

Title	Journal	Vol.	Page or Article No.	Author(s)	DOI	DOI URL	Web of Science Research Paper No. (UT)	Number of Citations (as of 20191001)	Date Recorded On This List
Transparent Ta3N5 Photoanodes for Efficient Oxygen Evolution toward the Development of Tandem Cells	ANGEWANDETE CHEMIE-INTERNATIONAL EDITION	58	2300	[Higashi, Tomohiro; Nishiyama, Hiroshi; Sasaki, Yutaka; Katayama, Masao; Minegishi, Tsutomu; Yamada, Taro; Domen, Kazunari] Univ Tokyo, Sch Engr, Dept Chem Syst Engr, Bunkyo Ku, 7-3-1 Hongo, Tokyo 1138656, Japan; [Suzuki, Yoshiaki; Seki, Kazuhiko] Natl Inst Adv Ind Sci & Technol, 1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan; [Iwamoto, Takashi; Domine, Kazunari] Shinshu Univ, Interdisciplinary Cluster Cutting Edge Res, Cr Energy & Environm, No. 4-1-1 Wakasato, Nagano, Nagano 3808553, Japan	10.1002/anie.201812081	https://doi.org/10.1002/anie.201812081	WOS:000458417700018	3	201911
A Versatile Halide Ester Enabling Li-Anode Stability and a High Rate Capability in Lithium-Oxygen Batteries	ANGEWANDETE CHEMIE-INTERNATIONAL EDITION	58	2355	[Wang, Di; Zhang, Fan; He, Ping; Zhou, Haoshen] Nanjing Univ, Cr Energy Storage Mat & Technol, Jiangsu Key Lab Artificial Funct Mat, Coll Engr & Appl Sci, Natl Lab Solid State Microstr, Nanjing 210093, Jiangsu, Peoples R China; [Wang, Di; Zhang, Fan; He, Ping; Zhou, Haoshen] Nanjing Univ, Collaborat Innovat Ctr Adv Microstruct, Nanjing 210093, Jiangsu, Peoples R China; [Zhou, Haoshen] Natl Inst Adv Ind Sci & Technol, Energy Technol Res Inst, Tsukuba, Ibaraki, Japan	10.1002/anie.201813009	https://doi.org/10.1002/anie.201813009	WOS:000458417700029	2	201911
Size-dependent stability of ultra-small alpha-/beta-phase tin nanocrystals synthesized by microplasma	NATURE COMMUNICATIONS	10	817	[Hag, Atta Uli; McLister, Anna; Rawlinson, Sean; Davis, James; Chakrabarti, Supriya; Maguire, Paul; Papaconstantinou, Pagona; Mariotti, Davide] Ulster Univ, NIBEC, Shock Shore Rd, Newtownabbey BT37 0QB, North Ireland; [Askari, Sadeq] Christian Albrechts Univ Kiel, Inst Expt & Appl Phys, Leibnizstr 17, D-24118 Kiel, Germany; [Chakrabarti, Supriya] Inst Adv Res Cr Powder Met & New Mat ARCI, Cr Carbon Mat, Balsepur PD, Hyderabad 500005, India; [Svec, Vladimir] AIST, Natl Inst, Cent 2, Tsukuba, Ibaraki 3058568, Japan	10.1038/s41467-019-08661-9	https://doi.org/10.1038/s41467-019-08661-9	WOS:000458864600020	0	201911
Acoustic focusing to the waveguides utilizing double parabolic reflectors	APPLIED PHYSICS LETTERS	114	72902	[Chen, Kang; Morita, Takeshi] Univ Tokyo, Grad Sch Frontier Sci, Chiba 277863, Japan; [Irie, Takasuke] Microsoft Co Ltd, Kokubunji, Tokyo 1850012, Japan; [Iijima, Takeshi] Natl Inst Adv Ind Sci & Technol, Dept Energy & Environm, Tsukuba 3058569, Japan	10.1063/1.5086086	https://doi.org/10.1063/1.5086086	WOS:000459554300017	0	201911
Characterization of Intracellular Crowding Environments with Topology-Based DNA Quadruplex Sensors	ANALYTICAL CHEMISTRY	91	2586	[Takahashi, Shuntaro; Sugimoto, Naoki] Konan Univ, FIBER, Chuo Ku, 7-1-20 Minatogima Minamimachi, Kobe, Hyogo 6500047, Japan; [Yamamoto, Johtarou] Natl Inst Adv Ind Sci & Technol, Biomed Res Inst, 1-1-1 Higashi, Tsukuba, Ibaraki 3058566, Japan; [Kitamura, Akira; Kinjo, Masataka] Hokkaido Univ, Fac Adv Life Sci, Lab Mol Cell Dynam, Sapporo, Hokkaido 0010021, Japan; [Sugimoto, Naoki] Konan Univ, FIRST Grad Sch Frontiers Innovat Res Sci & Technol, Chuo Ku, 7-1-20 Minatogima Minamimachi, Kobe, Hyogo 6500047, Japan	10.1021/acs.analchem.8b04177	https://doi.org/10.1021/acs.analchem.8b04177	WOS:000459562400004	2	201911
Negative dielectric constant of water confined in nanosheets	NATURE COMMUNICATIONS	10	850	[Sugahara, Akira; Kalyanas, Sathish; Okubo, Masashi; Yamada, Atsuo] Univ Tokyo, Sch Engr, Dept Chem Syst Engr, Bunkyo Ku, Hongo 7-3-1, Tokyo 1138656, Japan; [Ando, Yasunobu; Otani, Minoru] Natl Inst Adv Ind Sci & Technol, CD FMat, Umezono 1-1-1, Tsukuba, Ibaraki 3058568, Japan; [Ando, Yasunobu; Gotoh, Kazuma; Otani, Minoru; Okubo, Masashi; Yamada, Atsuo] Kyoto Univ, ESICB, Nishikyō Ku, Kyoto 6158245, Japan; [Yazawa, Koji] JEOL Resonance, 3-1-2 Musashino, Akishima, Tokyo 1968558, Japan; [Gotoh, Kazuma] Okayama Univ, Grad Sch Nat Sci & Technol, 3-1-1 Tushima Naka, Okayama 700830, Japan	10.1038/s41467-019-08789-8	https://doi.org/10.1038/s41467-019-08789-8	WOS:000459095800002	2	201911
Functional crosstalk across IMD and Toll pathways: insight into the evolution of incomplete immune cascades	PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES	286	20182207	[Nishide, Yudei; Kageyama, Datsuke; Yokoi, Kakeru; Jouraku, Akira; Tanaka, Hiromitsu] Natl Agr & Food Res Org NARO, Inst Agrobiol Sci, Tsukuba, Ibaraki 3058634, Japan; [Futahashi, Ryo; Fukutaku, Takema] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058566, Japan; [Fukutaku, Takema] Univ Tokyo, Grad Sch Sci, Dept Biol Sci, Tokyo 1130033, Japan; [Fukutaku, Takema] Univ Tsukuba, Grad Sch Life & Environm Sci, Tsukuba, Ibaraki 3058572, Japan	10.1098/rspb.2018.2207	https://doi.org/10.1098/rspb.2018.2207	WOS:000465432500004	3	201911
Terahertz-optical properties of a bismuth ferrite single crystal	PHYSICAL REVIEW B	99	64429	[Bialek, M.; Romov, H.; Ansermet, L.-P.] Ecole Polytech Fed Lausanne, Inst Phys, CH-1015 Lausanne, Switzerland; [Ito, T.] Natl Inst Adv Ind Sci & Technol, Elect & Photon Res Inst, Tsukuba, Ibaraki 3058565, Japan	10.1103/PhysRevB.99.064429	https://doi.org/10.1103/PhysRevB.99.064429	WOS:000459322400003	0	201911
Optical perturbation of the hole pockets in the underdoped high-T _c superconducting cuprates	PHYSICAL REVIEW B	99	81116	[Freutel, S.; Rettig, L.; Avigo, I.; Liggies, M.; Bovenstein, U.] Univ Duisburg Essen, Fak Phys, D-47048 Duisburg, Germany; [Rameau, J. D.; Schneeloch, J.; Zhong, R. D.; Gu, Z. J.; Gu, G. D.; Johnson, P. D.] Brookhaven Natl Lab, Condensed Matter Phys & Mat Sci Div, Upton, NY 11973 USA; [Yoshida, Y.; Ebata, H.] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058568, Japan; [Rameau, J. D.] Phys Sci Inc, 20 New England Business Ctr, Andover, MA 01810 USA; [Rettig, L.] Max Planck Gesell, Fritz Haber Inst, Faradayweg 4-6, D-14195 Berlin, Germany	10.1103/PhysRevB.99.081116	https://doi.org/10.1103/PhysRevB.99.081116	WOS:000459579900001	0	201911
Schottky barrier diodes fabricated on diamond mosaic wafers: Dilation reduction to mitigate the effect of coalescence boundaries	APPLIED PHYSICS LETTERS	114	82104	[Ohmagari, Shinya; Yamada, Hideaki; Tadauchi, Nobuhiro; Yamashita, Hiroshi; Chayahara, Akio; Yoshikaki, Mokuno; Yoshikaki] Natl Inst Adv Ind Sci & Technol, Adv Power Elect Res Ctr, Diamond Mat Team, 1-8-31 Midorigaoka, Ikeda, Osaka 5638577, Japan; [Seki, Akinori; Kawai, Fumiaki; Saitoh, Hiroaki] Toyota Motor Co Ltd, 1 Toyota Cho, Toyota, Aichi 4710826, Japan	10.1063/1.5086364	https://doi.org/10.1063/1.5086364	WOS:000460134000017	0	201911
Anisotropic phase diagram of ferroquadrupolar ordering in the trigonal chiral compound DyNiGa9	PHYSICAL REVIEW B	99	75156	[Ishii, Isao; Takezawa, Kohki; Mizuno, Takayuki; Kumano, Soichiro; Takashi, Hiroshima Univ, Dept Quantum Matter, AdSM, Higashihiroshima 7398530, Japan; [Ninomiya, Hiroki] Natl Inst Adv Ind Sci & Technol, Elect & Photon Res Inst, Tsukuba, Ibaraki 3058568, Japan; [Mitsumoto, Keisuke] Toyama Prefectural Univ, Liberal Arts & Sci, Fac Engr, Imizu, Toyama 9300398, Japan; [Umes, Kazunori] Hiroshima Univ, Cryogen & Instrumental Anal Div, N 8480, Higashihiroshima 7398526, Japan; [Nakamura, Shota; Ohara, Shigeo] Nagoya Inst Technol, Dept Phys Sci & Engr, Grad Sch Engr, Nagoya, Aichi 4668555, Japan; [Suzuki, Takashi] Hiroshima Univ, Inst Adv Mat Res & Cryogen, N 8480, Higashihiroshima 7398530, Japan; [Suzuki, Takashi] Hiroshima Univ, Instrumental Anal Div, Higashihiroshima 7398530, Japan	10.1103/PhysRevB.99.075156	https://doi.org/10.1103/PhysRevB.99.075156	WOS:000459935000003	0	201911
A weak topological insulator state in quasi-one-dimensional bismuth iodide	NATURE	566	518	[Noguchi, Ryo; Kuroda, K.; Sakano, M.; Barelle, C.; Nakayama, M.; Yaji, K.; Harasawa, A.; Shin, S.; Kondo, Takeshi] Univ Tokyo, Inst Solid State Phys, Kashiwa, Chiba, Japan; [Takahashi, T.; Sasagawa, T.] Tokyo Inst Technol, Mat & Struct Lab, Yokohama, Kanagawa, Japan; [Ochi, M.] Osaka Univ, Dept Phys, Toyonaka, Osaka, Japan; [Shirasawa, T.] Natl Inst Adv Ind Sci & Technol, Natl Metrol Inst Japan, Tsukuba, Ibaraki, Japan; [Sakano, M.] Univ Tokyo, Dept Appl Phys, Tokyo, Japan; [Sakano, M.] Univ Tokyo, QPEC, Tokyo, Japan; [Watson, M. D.; Iwasawa, H.; Dudin, P.; Kim, T. K.; Hoersch, M.] Diamond Light Source, Harwell Campus, Didcot, Oxon, England; [Iwasawa, H.] Hiroshima Univ, Grad Sch Sci, Higashihiroshima, Japan; [Hoersch, M.] Deutscher Elektron Synchrotron, DESY Photon Sci, Hamburg, Germany; [Kandiyah, V.; Giampietri, A.; Barinov, A.] Elettra Sincrotrone Trieste, Basovizza, Italy; [Antia, R.] RIKEN, CEMS, Wako, Saitama, Japan	10.1038/s41586-019-0927-7	https://doi.org/10.1038/s41586-019-0927-7	WOS:000459769100046	2	201911
Effect of dissolved silica on photocatalytic water purification with a TiO ₂ ceramic catalyst	WATER RESEARCH	150	40	[Negishi, Nobuki; Sugawara, Masami; Miyazaki, Yuka] Natl Inst Adv Ind Sci & Technol, Environm Management Res Inst, 16-1 Onogawa, Tsukuba, Ibaraki 3058569, Japan; [Hiram, Yuki; Kurota, Satsuko] Chiba Inst Technol, Dept Appl Chem, 2-17-1 Tsudanuma, Narashino, Chiba 2790016, Japan	10.1016/j.watres.2018.11.047	https://doi.org/10.1016/j.watres.2018.11.047	WOS:000458221300005	3	201911
Ultrafast Monolayer In/G-WS ₂ -Gr Hybrid Photodetectors with High Gain	ACS NANO	13	3269	[Yeh, Chao-Hui; Chen, Hsiang-Chieh; Liang, Zheng-Yong; Chiu, Po-Wen] Natl Tsing Hua Univ, Dept Elect Engr, Hsinchu 30013, Taiwan; [Lin, Ho-Chun; Chou, Mei-Yin; Chiu, Po-Wen] Acad Sinica, Inst Atom & Mol Sci, Taipei 10617, Taiwan; [Lin, Ho-Chun; Chou, Mei-Yin; Chiu, Po-Wen] Natl Tsing Hua Univ, Dept Elect Engr, Hsinchu 30013, Taiwan; [Lin, Ho-Chun; Chou, Mei-Yin; Chiu, Po-Wen] Natl Tsing Hua Univ, Dept Elect Engr, Hsinchu 30013, Taiwan; [Sakaue, Haruka; Kawano, Shin; Endo, Toshiyuki] Kyoto Sangyo Univ, Fac Life Sci, Kita Ku, Kyoto 6038555, Japan; [Sakaue, Haruka; Kawano, Shin; Endo, Toshiyuki] Kyoto Sangyo Univ, Inst Prot Dynam, Kita Ku, Kyoto 6038555, Japan; [Shiota, Takuya] Univ Miyazaki, Org Promot Tenure Track, 1-1 Gakuen Higashi-Nishi, Miyazaki 8892192, Japan; [Shiota, Takuya; Tan, Kher Shing; Lithgow, Trevor] Monash Univ, Biomed Discovery Inst, Infect & Immun Program, Melbourne, Vic 3800, Australia; [Shiota, Takuya; Tan, Kher Shing; Lithgow, Trevor] Monash Univ, Dept Microbiol, Melbourne, Vic 3800, Australia; [Ishizuka, Naoya] Nagoya Univ, Grad Sch Sci, Dept Chem, Chikusa Ku, Nagoya, Aichi 4648602, Japan; [Tamura, Yasushi] Yamagata Univ, Fac Sci, Dept Mat & Biol Chem, 1-4-12 Kojirakawa Machi, Yamagata 9908560, Japan; [Imai, Kenichiro; Motono, Chiaki; Hirokawa, Takasugi] Natl Inst Adv Ind Sci & Technol, Mol Profiling Res Ctr Drug Discovery Molprof, Koto Ku, 2-4-7 Aomi, Tokyo 1350064, Japan; [Hirokawa, Takasugi] Univ Tokyo, Fac Med, Div Biomed Sci, 1-1-1 Tennodai, Tsukuba, Ibaraki 3058575, Japan; [Taki, Kentaro] Nagoya Univ, Grad Sch Med, Div Med Res Engr, Showa Ku, 65 Tsurumai Cho, Nagoya, Aichi 4668550, Japan; [Miyata, Nori; Kage, Osamu] Kyushu Univ, Fac Sci, Dept Chem, Nishi Ku, 744 Motooka, Fukuoka, Fukuoka 8103995, Japan	10.1021/acsnano.8b09032	https://doi.org/10.1021/acsnano.8b09032	WOS:000462950500054	1	201911
Porin Associates with Tom22 to Regulate the Mitochondrial Protein Gate Assembly	MOLECULAR CELL	73	1044	[Noguchi, Ryo; Kuroda, K.; Sakano, M.; Barelle, C.; Nakayama, M.; Yaji, K.; Harasawa, A.; Shin, S.; Kondo, Takeshi] Univ Tokyo, Inst Solid State Phys, Kashiwa, Chiba, Japan; [Takahashi, T.; Sasagawa, T.] Tokyo Inst Technol, Mat & Struct Lab, Yokohama, Kanagawa, Japan; [Ochi, M.] Osaka Univ, Dept Phys, Toyonaka, Osaka, Japan; [Shirasawa, T.] Natl Inst Adv Ind Sci & Technol, Natl Metrol Inst Japan, Tsukuba, Ibaraki, Japan; [Sakano, M.] Univ Tokyo, Dept Appl Phys, Tokyo, Japan; [Sakano, M.] Univ Tokyo, QPEC, Tokyo, Japan; [Watson, M. D.; Iwasawa, H.; Dudin, P.; Kim, T. K.; Hoersch, M.] Diamond Light Source, Harwell Campus, Didcot, Oxon, England; [Iwasawa, H.] Hiroshima Univ, Grad Sch Sci, Higashihiroshima, Japan; [Hoersch, M.] Deutscher Elektron Synchrotron, DESY Photon Sci, Hamburg, Germany; [Kandiyah, V.; Giampietri, A.; Barinov, A.] Elettra Sincrotrone Trieste, Basovizza, Italy; [Antia, R.] RIKEN, CEMS, Wako, Saitama, Japan	10.1016/j.molcel.2019.01.003	https://doi.org/10.1016/j.molcel.2019.01.003	WOS:000460545200017	4	201911
Structure determination of the Si(111)-root 7 x root 3 atomic-layer superconductor	PHYSICAL REVIEW B	99	100502	[Shirasawa, Tetsuro] Natl Inst Adv Ind Sci & Technol, NMI, 1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan; [Yoshizawa, Shunsuke] Natl Inst Mat Sci, Res Ctr Adv Measurement & Characterizat, 1-2-1 Sengen, Tsukuba, Ibaraki 3050047, Japan; [Takahashi, Toshiro] Tokyo Gakugei Univ, Dept Phys, 4-1-1 Nukuiiki Machi, Koganei, Tokyo 1848501, Japan; [Uchihashi, Takashi] Natl Inst Mat Sci, Int Ctr Mat Nanoarchitecton MANA, 1-1 Namiki, Tsukuba, Ibaraki 3050044, Japan	10.1103/PhysRevB.99.100502	https://doi.org/10.1103/PhysRevB.99.100502	WOS:000460702600003	1	201911
Superconductivity in Uncooled Tetragonal LaFe2As2	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	10	1018	[Iyo, Akira; Ishida, Shigeyuki; Fujihira, Hiroshi; Gotoh, Yoshito; Hase, Izumi; Yoshida, Yoshitoku; Esaki, Hiroshi; Kawashima, Kenji] Natl Inst Adv Ind Sci & Technol, 1-1-1 Umezono, Tsukuba, Ibaraki 3058568, Japan; [Kawashima, Kenji] IMRA Mat R&D Co Ltd, 2-1 Asahi Machi, Kariya, Aichi 4480032, Japan	10.1021/acs.jpclett.9b00321	https://doi.org/10.1021/acs.jpclett.9b00321	WOS:000461271700018	0	201911
Large and significantly anisotropic critical current density induced by planar defects in CaKFeAs4 single crystals	PHYSICAL REVIEW B	99	104506	[Pyon, Sunseong; Takahashi, Aiyumu; Vashchenkov, Ivan; Temegai, Tsuyoshi] Univ Tokyo, Dept Appl Phys, Bunkyo Ku, 7-3-1 Hongo, Tokyo 1138656, Japan; [Ishida, Shigeyuki; Iyo, Akira; Esaki, Hiroshi] Natl Inst Adv Ind Sci & Technol, 1-1-1 Umezono, Tsukuba, Ibaraki 3058568, Japan; [Imai, Motoharu; Abe, Hideki; Terashima, Taichi] NIMS, Tsukuba, Ibaraki 3050047, Japan; [Ichinose, Ataru] Cent Res Inst Elect Power Ind, Elect Power Engr Res Lab, 2-6-1 Nagatsuka, Yokosuka, Kanagawa 2400196, Japan	10.1103/PhysRevB.99.104506	https://doi.org/10.1103/PhysRevB.99.104506	WOS:000460702700004	3	201911
Anomalous peak effect in iron-based superconductors Ba _{1-x} K _x Fe2As2 (x approximately to 0.69 and 0.76) for magnetic-field directions close to the ab plane and its possible relation to the spin paramagnetic effect	PHYSICAL REVIEW B	99	94508	[Terashima, Taichi; Kikugawa, Naoki; Uji, Shinji] Natl Inst Mat Sci, Tsukuba, Ibaraki 3050003, Japan; [Kiswandhi, Andhika; Choi, Eun-Sang] Florida State Univ, Dept High Magnet Field Lab, Tallahassee, FL 32310 USA; [Khor, Kunihito; Ishida, Shigeyuki; Lee, Chul-Ho; Iyo, Akira; Esaki, Hiroshi] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058568, Japan; [Kiswandhi, Andhika] Kyoto Univ, Grad Sch Sci, Dept Chem, Kyoto 6068502, Japan	10.1103/PhysRevB.99.094508	https://doi.org/10.1103/PhysRevB.99.094508	WOS:000460702100009	0	201911
A chemically inert bismuth interlayer enhances long-term stability of inverted perovskite solar cells	NATURE COMMUNICATIONS	10	1161	[Wu, Shaohang; Chen, Rui; Zhang, Shasha; Zhu, Hongmei; Yang, Zhiqun; Chen, Chuanling; Chen, Weitao; Huang, Yuzhan; Fan, Shaoying; Liu, Tianlun; Chen, Wei] Huazhong Univ Sci & Technol, Wuhan Nat Lab Optoelect, Luoyu Rd 1037, Wuhan 430074, Hubei, Peoples R China; [Babu, B. Hari; Chen, Wei] Chinese Acad Sci, Shenzhen Inst Adv Technol, Shenzhen Key Lab Nanobiomed, Shenzhen 518055, Guangdong, Peoples R China; [Yue, Youfeng] Natl Inst Adv Ind Sci & Technol, Elect & Photon Res Inst, 1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan; [Han, Liyuan] Shanghai Jiao Tong Univ, Sch Mat Sci & Engr, State Key Lab Mat Matrix Composites, Shanghai 200240, Peoples R China	10.1038/s41467-019-09167-0	https://doi.org/10.1038/s41467-019-09167-0	WOS:000460701800011	8	201911
Effect of the Morphological Features of the Poly(vinylidene difluoride)-Based Gel Electrolytes on the Ionic Mobility for Lithium Secondary Batteries	MACROMOLECULES	52	2112	[Saito, Yurio; Takeida, Sahori; Kobayashi, Shigemasa] Natl Inst Adv Ind Sci & Technol, 1-8-31 Midorigaoka, Ikeda, Osaka 5638577, Japan; [Yagi, Toshiaki; Watanabe, Keisuke; Kobayashi, Shota] Kureha Corp, 16 Ochiai, Nishiki Machi, Iwaki, Fukushima 9748896, Japan	10.1021/acs.macromol.8b02503	https://doi.org/10.1021/acs.macromol.8b02503	WOS:000461532900022	0	201911
Structural and functional characterization of a bifunctional GH30-7 xylanase B from the filamentous fungus Talaromyces cellulolyticus	JOURNAL OF BIOLOGICAL CHEMISTRY	294	4065	[Nakamichi, Yusuke; Watanabe, Masahiro; Matsushita, Akinori; Inoue, Hiroyuki] Natl Inst Adv Ind Sci & Technol, Biocomers Grp, 3-11-32 Kagamiyama, Hiroshima 7390046, Japan; [Ito, Shota] Natl Inst Adv Ind Sci & Technol, Res Inst Sustainable Chem, Biobased Mat Chem, 3-11-32 Kagamiyama, Hiroshima 7390046, Japan; [Fouquet, Thierry] AIST, Res Inst Sustainable Chem, Polymer Chem Grp, 1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan; [Matsushita, Akinori] Hiroshima Univ, Grad Sch Adv Sci Matter, 1-3-1 Kagamiyama, Hiroshima 7398530, Japan	10.1074/jbc.RA118.007207	https://doi.org/10.1074/jbc.RA118.007207	WOS:000461854400020	2	201911
Solid-phase crystallization of densified amorphous GeSn leading to high hole mobility (540 cm ² /V s)	APPLIED PHYSICS LETTERS	114	112110	[Moto, K.; Suematsu, T.; Toko, K.] Univ Tsukuba, Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058573, Japan; [Moto, K.] I Chiba Univ, Chiyoda Ku, Tokyo 1028472, Japan; [Saitoh, T.] AIST, Natl Inst, Electrons Moonshot Fac, 16-1 Onogawa, Tsukuba, Ibaraki 3058569, Japan; [Toko, K.] Japan Sci & Technol Agcy, PRESTO, 4-1-8 Honcho, Kawaguchi, Saitama 3320012, Japan	10.1063/1.5088847	https://doi.org/10.1063/1.5088847	WOS:000462086600017	0	201911
Oxytocin/vasopressin-like peptide intocin regulates cuticular hydrocarbon synthesis and water balancing in ants	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	116	5597	[Koto, Akiko; Moriyama, Minoru] Natl Inst Adv Ind Sci & Technol, Bioprod Res Inst, Tsukuba, Ibaraki 3058566, Japan; [Koto, Akiko; Moriyama, Minoru] Natl Inst Adv Ind Sci & Technol, CBBD OIL, Tsukuba, Ibaraki 3058566, Japan; [Motomura, Naoto; Tahara, Hiroki; Miura, Masayuki] Univ Tokyo, Grad Sch Pharmaceut Sci, Dept Genet, Tokyo 1130033, Japan; [McGregor, Sean; Keller, Laurent] Univ Lausanne, Dept Ecol & Evolut, CH-1015 Lausanne, Switzerland; [Okabe, Takayoshi] Univ Tokyo, Drug Discovery Initiat, Tokyo 1130033, Japan	10.1073/pnas.1817788116	https://doi.org/10.1073/pnas.1817788116	WOS:000461679000053	0	201911
Variation in the nature of the neutral-ionic transition in DMTF ₂ -QC14 (under pressure probed by NQR and NMR)	PHYSICAL REVIEW B	99	125133	[Sanami, K.; Iwase, F.; Miyagawa, K.; Kanoda, K.] Univ Tokyo, Dept Appl Phys, Bunkyo Ku, Tokyo 1138656, Japan; [Hirohachi, S.] Natl Inst Adv Ind Sci & Technol, Flexible Elect Res Ctr FLEC, Tsukuba, Ibaraki 3058565, Japan; [Kobayashi, K.; Kumai, R.] High Energy Accelerator Res Org KEK, Inst Mat Struct Sci, Condensed Matter Res Ctr CMRC, Tsukuba, Ibaraki 3050801, Japan; [Kobayashi, K.; Kumai, R.] High Energy Accelerator Res Org KEK, Inst Mat Struct Sci, Photon Factory, Tsukuba, Ibaraki 3050801, Japan; [Iwase, F.] Tokyo Med Univ, Dept Phys, Shinjuku Ku, Tokyo 1680402, Japan	10.1103/PhysRevB.99.125133	https://doi.org/10.1103/PhysRevB.99.125133	WOS:000461964900002	0	201911
Single-component molecular conductor [P(dmit) ₂](2)-a three-dimensional ambient-pressure molecular Dirac electron system	CHEMICAL COMMUNICATIONS	55	3327	[Zhou, Biao; Ishii, Tatsuru; Kobayashi, Akiho] Nihon Univ, Dept Chem, Coll Humanities & Sci, Setagaya Ku, Tokyo 1588550, Japan; [Ishihashi, Shoji] Natl Inst Adv Ind Sci & Technol, Res Ctr Comput Design Adv Funct Mat CD FMat, Tsukuba, Ibaraki 3058568, Japan; [Sekine, Takahiko; Takehara, Ryosuke; Miyagawa, Kazuya; Kanoda, Kazuhiko] Natl Inst Adv Ind Sci & Technol, Dept Appl Phys, Bunkyo Ku, Tokyo 1138656, Japan; [Nishibori, Eiji] Univ Tsukuba, Fac Pure & Appl Sci, Tsukuba, Ibaraki 3058571, Japan; [Nishibori, Eiji] Univ Tsukuba, Tsukuba Res Ctr Energy Mat Sci TREMS, Tsukuba, Ibaraki 3058571, Japan	10.1039/c8cc00218a	https://doi.org/10.1039/c8cc00218a	WOS:000461397500026	1	201911
Widely Dispersed Intermolecular Valence Bands of Epitaxially Grown Perfluoropentacene on Pentacene Single Crystals	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	10	1312	[Nakayama, Yasuo; Tsunata, Ryohi; Moriya, Naoki; Hikasa, Masataka] Tokyo Univ Sci, Dept Pure & Appl Chem, 2641 Yamazaki, Noda, Chiba 2788510, Japan; [Meissner, Matthias; Yamaguchi, Takuma; Suzuki, Toshiyuki; Ueba, Takahiro; Kera, Satoshi] Natl Inst Nat Sci, IMS, 38 Nishigo Naka, Okazaki, Aichi 4448585, Japan; [Yamaguchi, Takuma; Suzuki, Toshiyuki; Ueba, Takahiro; Kera, Satoshi] SOKENDAI, 38 Nishigo Naka, Okazaki, Aichi 4448585, Japan; [Mizuno, Yuta; Kera, Satoshi] Chiba Univ, Grad Sch Adv Integrat Sci, Inage Ku, 1-33 Yayoi Cho, Chiba 2638522, Japan; [Koganezawa, Tomoyuki] Spring 8, Int Appl Phys, Japan Synchrotron Radiat Res Inst JASRI, 1-1-1 Kouto, Sayo, Hyogo 6795198, Japan; [Hosokai, Takuya] Natl Inst Adv Ind Sci & Technol, Natl Metrol Inst Japan, 1-1-1 Umezono, Tsukuba, Ibaraki 3058568, Japan	10.1021/acs.jpclett.8b03866	https://doi.org/10.1021/acs.jpclett.8b03866	WOS:000463678800023	0	201911
Photoluminescence Intensity Fluctuations and Temperature-Dependent Decay Dynamics of Individual Carbon Nanotube sp ³ Defects	JOURNAL OF PHYSICAL CHEMISTRY LETTERS	10	1423	[Kim, Younghae; He, Xiaowei; Sarpkaya, Ibrahim; Doorn, Stephen K.; Htoon, Han] Los Alamos Natl Lab, Mat Phys & Applicat Div, Ctr Integrated Nanotechnol, Los Alamos, NM 87545 USA; [Velizhnan, Kirill A.] Los Alamos Natl Lab, Theoret Div, Los Alamos, NM 87545 USA; [Yomogida, Yohei; Tanaka, Takeshi; Katsura, Hiromichi] Natl Inst Adv Ind Sci & Technol, Nanomat Res Inst, Tsukuba, Ibaraki 3058565, Japan	10.1021/acs.jpclett.8b03732	https://doi.org/10.1021/acs.jpclett.8b03732	WOS:000463678800040	1	201911

A complex between phosphatidylinositol 4-kinase II and integrin 31 is required for N-glycan sialylation in cancer cells	JOURNAL OF BIOLOGICAL CHEMISTRY	294	4425	[Isaji, Tomoya; Im, Sanghun; Fukuda, Tomohiko; Gu, Jianguo] Tohoku Med & Pharmacol Univ, Div Regulatory Glycobiol, Inst Mol Biomembrane & Glycolipid, Aoba Ku, 4-4-1 Komatsushima, Sendai, Miyagi 9818558, Japan; [Kameyama, Akihiro] Natl Inst Adv Ind Sci & Technol, Dept Life Sci & Biotechnol, 1-1-1 Umezono, Tsukuba, Ibaraki 3058568, Japan; [Wang, Yuzhi] Nantong Univ, Dept Pharmacol, Coll Pharm, Nantong 226001, Jiangsu, Peoples R China	10.1074/jbc.RA118.005208	https://doi.org/10.1074/jbc.RA118.005208	WOS:000462969500012	2	201911
Shift from magmatic to phreatomagmatic explosions controlled by the lateral evolution of a feeder dike in the Susana-Katahaya eruption, Miyakejima Volcano, Japan	EARTH AND PLANETARY SCIENCE LETTERS	511	177	[Genki, Nobuo; Okawa, Teruki] Geol Survey Japan, Natl Inst Adv Sci & Technol, AIST Site 7-1-1 Higashi, Tsukuba, Ibaraki 3058567, Japan; [Nemeth, Karoly] Massey Univ, Volcan Risk Solu, Private Bag 11 222, Palmerston North, New Zealand; [Noguchi, Rina] Japan Aerosp Exploratory Agency, Inst Space & Astronaut Sci, Chou Ku, 3-1-1 Yoshinodai, Sagamihara, Kanagawa 2525210, Japan	10.1016/j.epsl.2019.01.038	https://doi.org/10.1016/j.epsl.2019.01.038	WOS:000455983900017	0	201911
Gate controlling of quantum interference and direct observation of anti-resonances in single molecular charge transport	NATURE MATERIALS	18	357	[Li, Yueqi; Rostamian, Ali; Xiang, Limin; Tao, Nongjian] Arizona State Univ, Biodesign Ctr Bioelect & Biosensors, Tempe, AZ 85281 USA; [Buerkle, Marius; Asai, Yoshihiro] Natl Inst Adv Sci & Technol, Res Ctr Comput Design Adv Funct Mat CD FMat, Tsukuba, Ibaraki, Japan; [Li, Guangfeng; Zhou, Gang] Fudan Univ, Lab Adv Mat, State Key Lab Mol Engn Polymers, Shanghai, Peoples R China; [Wang, Hui; Wang, Xiaiao; Tao, Nongjian] Nanjing Univ, State Key Lab Anal Chem Life Sci, Sch Chem & Chem Engn, Nanjing, Jiangsu, Peoples R China; [Bowler, David R] UCL, London Ctr Nanotechnol, London, England; [Bowler, David R] UCL, Dept Phys & Astron, London, England; [Bowler, David R; Miyazaki, Tetsuyoshi] Natl Inst Mat Sci, Int Ctr Mat Nanophotonics MANA, Tsukuba, Ibaraki, Japan	10.1038/s41566-018-0280-5	https://doi.org/10.1038/s41566-018-0280-5	WOS:000461678540013	5	201911
Aromatic F-19-C-13 TROSY: a background-free approach to probe biomolecular structure, function, and dynamics	NATURE METHODS	16	333	[Bozszoemery, Andras; Ohabara, Sandeep; Dube, Abhinav; Zhang, Meng; Wagner, Gerhard; Arthanari, Haribabu] Harvard Med Sch, Dept Biol Chem & Mol Pharmacol, Boston, MA 02115 USA; [Bozszoemery, Andras; Ohabara, Sandeep; Dube, Abhinav; Arthanari, Haribabu] Dana Farber Canc Inst, Dept Canc Biol, Boston, MA 02115 USA; [Ohabara, Sandeep] Monash Univ, Monash Inst Pharmacol Sci, Med Chem, Parkville, Vic, Australia; [Radeva, Denitsa L.; Burdzhiev, Nikola T.; Chaney, Christo D.; Petrov, Ognian J.; Gelev, Vladimir M.] Sofia Univ, Fac Chem & Pharm, Sofia, Bulgaria; [Anklin, Clemens] Bruker Biospin, Billerica, MA USA; [Kovacs, Helena] Bruker Biospin, Fallanden, Switzerland; [Kuprov, Ilya] Univ Southampton, Sch Chem, Southampton, Hants, England; [Takeuchi, Koh] Natl Inst Adv Ind Sci & Technol, Mol Profiling Res Ctr Drug Discovery, Tokyo, Japan	10.1038/s41591-019-0334-x	https://doi.org/10.1038/s41591-019-0334-x	WOS:000465262400030	4	201911
Origin of relativistic contrast in interfacial phase-change memory: The crucial role of Ge/Sb intermixing	APPLIED PHYSICS LETTERS	114	132102	[Saito, Yota; Kolobov, Alexander V.; Fons, Paul; Mitrofanov, Kiril V.; Makino, Kotaro; Tommaga, Junji] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 305855, Japan; [Saito, Yota; Robertson, John] Univ Cambridge, Dept Engrg, Cambridge CB3 0FA, England; [Kolobov, Alexander V.] Herzen State Pedag Univ, Fac Phys, St Petersburg 191386, Russia	10.1063/1.5088068	https://doi.org/10.1063/1.5088068	WOS:000463657000014	2	201911
Vapor-Assisted Ex-Situ Doping of Carbon Nanotube toward Efficient and Stable Perovskite Solar Cells	NANO LETTERS	19	2223	[Lee, Jin-Wook; Han, Tae-Hee; Yang, Yung] Univ Calif Los Angeles, Dept Mat Sci & Engrg, Los Angeles, CA 90024 USA; [Lee, Jin-Wook; Han, Tae-Hee; Yang, Yung] Univ Calif Los Angeles, Calif Nano Syst Inst, Los Angeles, CA 90024 USA; [Jeon, Il; Lin, Hao-Sheng; Seo, Seungjick; Matsuo, Yutaka; Maruyama, Shigeo] Univ Tokyo, Sch Dept Mech Engrg, Tokyo 1138566, Japan; [Anisimov, Anton] Canatu Ltd, Konalaankuja 5, FI-00390 Helsinki, Finland; [Kauppinen, Esko I.] Aalto Univ, Sch Sci, Dept Appl Phys, FI-00076 Aalto, Finland; [Maruyama, Shigeo] Natl Inst Adv Sci & Technol, Energy Nano Engrg Lab, Ibaraki 3058564, Japan	10.1021/acs.nanolett.8b04190	https://doi.org/10.1021/acs.nanolett.8b04190	WOS:000464769100005	4	201911
Synthetic ligands for PteQ(1) riboswitches provide structural and mechanistic insights into targeting RNA tertiary structure	NATURE COMMUNICATIONS	10	1501	[Connelly, Colleen M.; Boer, Robert E.; Moon, Michelle H.; Sinniah, Ranu S.; Barchi, Joseph J.; Schneekloth, John S., Jr.] NCI, Chem Biol Lab, Frederick, MD 21701 USA; [Numata, Tomoyuki; Ferre-D'Amaré, Daniel R.] NHLBI, Biomchem & Biophys Ctr, Bldg 10, Bethesda, MD 20892 USA; [Numata, Tomoyuki] Natl Inst Adv Ind Sci & Technol, Biomed Res Inst, Tsukuba, Ibaraki 3058566, Japan	10.1038/s41467-019-09493-3	https://doi.org/10.1038/s41467-019-09493-3	WOS:000462998600005	1	201911
In-Solution Microscopic Imaging of Fractal Aggregates of a Stressed Therapeutic Anticancer	ANALYTICAL CHEMISTRY	91	4640	[Senga, Yukako; Imamura, Hiroshi; Ogura, Toshihiko; Honda, Shinya] Natl Inst Adv Ind Sci & Technol, Biomed Res Inst, Higashi Ku, Tsukuba, Ibaraki 3058566, Japan; [Imamura, Hiroshi] Ritsumeikan Univ, Coll Life Sci, Dept Appl Chem, 1-1-1 Nogijishashi, Kusatsu, Shiga 5258577, Japan	10.1021/acs.analchem.8b09979	https://doi.org/10.1021/acs.analchem.8b09979	WOS:000463683300051	0	201911
Solar-light-driven photocatalytic production of peroxydisulfate over noble-metal loaded WO3	CHEMICAL COMMUNICATIONS	55	3813	[Huang, Zeai; Mitsui, Yugo; Sayama, Kazuhiko] Natl Inst Adv Ind Sci & Technol, Res Ctr Photovoltaic RCPV, Adv Funct Mat Team, Cent 5.1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan	10.1039/c9cc01061k	https://doi.org/10.1039/c9cc01061k	WOS:000464632900027	0	201911
Hexagonal array formation by intermolecular halogen bonding using a binary blend of linear building blocks: STM study	CHEMICAL COMMUNICATIONS	55	3955	[Kikkawa, Yoshihiro; Nagasaki, Mayumi; Koyama, Emiko; Tsuzuki, Seiji; Hiratani, Kazuhiko] Natl Inst Adv Ind Sci & Technol, Tsukuba Cent 5.1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan	10.1039/c9cc00532c	https://doi.org/10.1039/c9cc00532c	WOS:000463952600021	0	201911
High photoresponsivity in a GaAs film synthesized on glass using a pseudo-single-crystal Ge seed layer	APPLIED PHYSICS LETTERS	114	142103	[Nishida, T.; Moto, K.; Suematsu, T.; Take, Ki] Univ Tsukuba, Inst Appl Phys, 1-1-1 Tennodai, Tsukuba, Ibaraki 3058573, Japan; [Saitoh, N.; Yoshizawa, N.] AIST, Electron Microscope Facil, TIA, 16-1 Onogawa, Tsukuba, Ibaraki 3058569, Japan	10.1063/1.5091714	https://doi.org/10.1063/1.5091714	WOS:000464450200013	1	201911
Low-energy-electron production after Zp ionization of argon clusters	PHYSICAL REVIEW A	99	42505	[Fukuzawa, Hironobu; Li, Yiwent; Yuo, Daehyun; Sakakibara, Yuta; Yamada, Syuhei; Ito, Yuta; Takanashi, Takasuo; Ueda, Kiyoshi] Tohoku Univ, Inst Multidisciplinary Res Adv Mat, Sendai, Miyagi 9808577, Japan; [Fukuzawa, Hironobu; Li, Yiwent; Yuo, Daehyun; Sakakibara, Yuta; Yamada, Syuhei; Ito, Yuta; Takanashi, Takasuo; Oura, Masaki; Saito, Norio; Ueda, Kiyoshi] RIKEN, Spring 8 Ctr, Koto 1-1-1, Sayo, Hyogo 6795148, Japan; [Saito, Norio] Natl Inst Adv Ind Sci & Technol, NMU, Tsukuba, Ibaraki 3058568, Japan	10.1103/PhysRevA.99.042505	https://doi.org/10.1103/PhysRevA.99.042505	WOS:000463877500004	0	201911
Phononic thermal Hall effect in diluted terbium oxides	PHYSICAL REVIEW B	99	134419	[Hirokane, Yui] Univ Tokyo, Dept Basic Sci, Tokyo 1538902, Japan; [Hirokane, Yui; Ni, Yoichi; Onose, Yoshinori] Tohoku Univ, Inst Mat Res, Sendai, Miyagi 9808577, Japan; [Tomoki, Yasuhide] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058562, Japan	10.1103/PhysRevB.99.134419	https://doi.org/10.1103/PhysRevB.99.134419	WOS:0004646471500005	0	201911
Target identification reveals lanosterol synthase as a vulnerability in glioma	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	116	7957	[Phillips, Richard E.] Mem Sloan Kettering Canc Ctr, Dept Neurol, New York, NY 10065 USA; [Phillips, Richard E.; Yang, Yanhong; Smith, Ryan C.; Funato, Kosuke; Tabar, Viviane] Mem Sloan Kettering Canc Ctr, Div Brain Tumor Ctr, New York, NY 10065 USA; [Phillips, Richard E.; Soto-Feliciano, Yedira M.; Allis, C.; David] Rockefeller Univ, Lab Chromatin Biol & Epigenet, New York, NY 10065 USA; [Yang, Yanhong; Smith, Ryan C.; Funato, Kosuke; Tabar, Viviane] Mem Sloan Kettering Canc Ctr, Ctr Stem Cell Biol, Dept Neurosurg, New York, NY 10065 USA; [Thompson, Bonnie M.; McDonald, Jeffrey G.] Univ Texas Southwestern Med Ctr Dallas, Ctr Human Nutri, Dallas, TX 75390 USA; [Yamasaki, Tomoko; Yamasaki, Kazuhiko] Natl Inst Adv Ind Sci & Technol, Biomed Res Inst, Tsukuba, Ibaraki 3058566, Japan; [Liang, Yipu] Rockefeller Univ, Ctr Clin & Translat Sci, New York, NY 10065 USA; [Garcia-Bermudez, Javier; Birsoy, Kivanc] Rockefeller Univ, Lab Metab Regulat & Genet, New York, NY 10065 USA; [Wang, Xiaohu; Garcia, Benjamin A.] Univ Penn, Perelman Sch Med, Epigenet Program, Philadelphia, PA 19104 USA	10.1073/pnas.1820989116	https://doi.org/10.1073/pnas.1820989116	WOS:000464767500056	0	201911
Metallic potential of uncultured bacteria and archaea associated with petroleum seepage in deep-sea sediments	NATURE COMMUNICATIONS	10	1816	[Dong, Xiyang; Rattay, Jayne E.; Chakraborty, Anirban; Mayumi, Daisuke; Li, Carmen; Groves, Ryan A.; Lewis, Ian A.; Hubert, Casey R.] Univ Calgary, Dept Biol Sci, Calgary, AB T2N 1N6, Canada; [Gronwald, Chris; Chouvinho, Marla] Monash Univ, Sch Biol Sci, Clayton, Vic 3089, Australia; [Mayumi, Daisuke] Natl Inst Adv Ind Sci & Technol, Inst Geo Resources & Environm, Geol Survey Japan, 1-1-1 Higashi, Tsukuba, Ibaraki 3058567, Japan; [Dolling, Jan] Newcastle Univ, Sch Engrg, Newcastle Upon Tyne NE1 7RU, Tyne & Wear, England; [Brooks, James M.; Bernard, Bernie B.] TDI Brooks Inst, College Stn, TX 77845 USA	10.1038/s41467-019-09747-0	https://doi.org/10.1038/s41467-019-09747-0	WOS:000464697600010	0	201911
The geomorphology, color, and thermal properties of Ryugu: Implications for parent-body processes	SCIENCE	364	7941E	[Sugita, S.; Tatsumi, E.; Okada, T.; Yoshioka, K.; Cho, Y.; Miyamoto, H.; Kikuchi, H.; Hemmi, R.; Tachibana, S.; Sugimoto, C.; Takaki, N.; Suzuki, Y.; Kamiyoshihara, H.; Okada, M.; Oki, Y.; Takao, Y.] Univ Tokyo, Tokyo 1130033, Japan; [Sugita, S.; Yamada, M.; Komatsu, G.; Senoh, H.; Yoshida, F.] Chiba Inst Technol, Planetary Explorat Res Ctr, Narashino, Chiba 2750016, Japan; [Honda, R.; Yokota, Y.] Kochi Univ, Kochi 7808520, Japan; [Morota, T.; Watanabe, S.] Nagoya Univ, Nagoya, Aichi 4648601, Japan; [Kameda, S.; Fukuhara, T.; Taguchi, M.] Rikkyo Univ, Tokyo 1718501, Japan; [Sawada, H.; Yokota, Y.; Sakatani, N.; Okada, T.; Tanaka, S.; Iijima, Y.; Hayakawa, M.; Matsuka, M.; Behrooz, R.; L.; Shimaki, Y.; Mizuno, T.; Ishihara, Y.; Hasegawa, S.; Fujimoto, M.; Yoshikawa, M.; Yamamoto, Y.; Shirai, K.; Noguchi, R.; Ogawa, N.; Terui, F.; Kikuchi, S.; Yamaguchi, T.; Takeuchi, H.; Minasu, Y.; Takahashi, T.; Takei, Y.; Fujii, A.; Nakazawa, S.; Hosoda, S.; Mori, O.; Shimada, T.; Soldini, S.; Iwata, T.; Abe, M.; Yano, H.; Tsukizaki, R.; Ozaki, M.; Nishiyama, K.; Saiki, T.; Watanabe, S.; Tsuda, Y.] Japan Aerosp Explorat Agcy JAXA, ISAS, Sagamihara, Kanagawa 2525210, Japan; [Kouyama, T.; Nagata, K.] Univ Aizu, Aizu Wakamatsu, Fukushima 9658580, Japan; [Kouyama, T.; Nagata, K.] Natl Inst Adv Ind Sci & Technol, Tokyo 1350064, Japan; [Ogawa, K.; Hirata, N.] Kobe Univ, Kobe, Hyogo 678501, Japan; [Suzuki, H.] Meiji Univ, Kawasaki, Kanagawa 2148571, Japan; [Namiki, N.; Noda, H.; Matsumoto, K.; Araki, H.; Yamamoto, K.; Higuchi, A.; Oshigami, S.; Tsutsui, S.; Asari, K.; Tazawa, S.; Shizugami, M.] Natl Astron Observ Japan, Mitaka, Tokyo 1818588, Japan; [Namiki, N.; Tanaka, S.; Matsumoto, K.; Yoshikawa, M.; Yamamoto, Y.; Iwata, T.; Abe, M.; Yano, H.; Ozaki, M.; Tsuda, Y.] SOKENDAI Grad Univ Adv Studies, Hayama 2400193, Japan; [Domínguez, D.; Palmer, E.; Gaskell, R.; Le Corre, L.; Vilas, F.] Planetary Sci Inst, Tucson, AZ 85719 USA; [Hirabayashi, M.] Auburn Univ, Auburn, AL 36849 USA; [Nakamura, T.] Tohoku Univ, Sendai, Miyagi 9808578, Japan; [Hiro, T.] Brown Univ, Providence, RI 02912 USA; [Michikami, T.] Kindai Univ, Higashishiroshima 7392116, Japan; [Michel, P.; Thuillet, F.] Univ Côte Azur, CNRS, Lab Lagrange, Observ Côte Azur, F-06304 Nice, France; [Ballou, R. -L.] Univ Arizona, Tucson, AZ 85705 USA; [Barnouin, O. S.; Ernst, C. M.] Johns Hopkins Univ, Appl Phys Lab, Johns Hopkins Rd, Laurel, MD 20723 USA; [Schroeder, S. E.; Jaumann, R.; Otto, K.; Schmitz, N.] German Aerosp Ctr DLR, Inst Planetary Res, D-12489 Berlin, Germany; [Komatsu, G.] Univ Annunzio, Int Res Sch Planetary Sci, I-65127 Pescara, Italy; [Arai, T.] Ashikaga Univ, Ashikaga 3268558, Japan; [Sekiguchi, T.] Hokkaido Univ, Asahikawa, Hokkaido 0708621, Japan; [Mueller, T. G.] Max Planck Inst Extrater Phys, D-85748 Garching, Germany; [Hagermann, A.] Univ Stirling, Stirling FK9 4LA, Scotland; [Ikeda, H.; Ono, G.; Yoshikawa, K.; Takei, Y.; Hirose, C.] JAXA, Res & Dev Directorate, Sagamihara, Kanagawa 2525210, Japan; [Abe, S.] Nihon Univ, Funabashi, Chiba 2748501, Japan; [Sasaki, S.; Kimura, J.] Osaka Univ, Toyonaka, Osaka 5600043, Japan; [Otsubo, T.] Hitotsubashi Univ, Tokyo 1568601, Japan; [Yabuta, H.] Hiroshima Univ, Higashishiroshima 7398526, Japan; [Ishiguro, M.] Seoul Natl Univ, Seoul 08826, South Korea; [Abell, P. A.; Zolensky, M. E.] NASA, Johnson Space Ctr, Houston, TX 77058 USA; [Barucci, M. A.] Univ Paris Diderot, Sorbonne Univ, CNRS, LESIA/Observ Paris/PSL, F-92195 Meudon, France; [Ishihara, Y.] Natl Inst Environm Studies, Tsukuba, Ibaraki 3058506, Japan; [Yamaguchi, T.] Mitsubishi Electr Corp, Kamakura, Kanagawa 2478520, Japan	10.1126/science.1209422	https://doi.org/10.1126/science.1209422	WOS:000464956600039	25	201911
Hayabusa2 arrives at the carbonaceous asteroid 162173 Ryugu-A spinning top-shaped rubble pile	SCIENCE	364	268	[Watanabe, S.; Morota, T.] Nagoya Univ, Nagoya, Aichi 4648601, Japan; [Watanabe, S.; Noguchi, R.; Shimaki, Y.; Yoshikawa, M.; Kikuchi, S.; Tachibana, S.; Ishihara, Y.; Sakatani, N.; Takeuchi, H.; Okada, T.; Abe, M.; Yamamoto, Y.; Tanaka, S.; Shirai, K.; Matsuka, M.; Yokota, Y.; Yamaguchi, T.; Ogawa, N.; Minasu, Y.; Takahashi, T.; Takei, Y.; Fujii, A.; Iwata, T.; Hayakawa, M.; Hosoda, S.; Mori, O.; Sawada, H.; Shimada, T.; Soldini, S.; Yano, H.; Tsukizaki, R.; Ozaki, M.; Iijima, Y.; Fujimoto, M.; Terui, F.; Saiki, T.; Nakazawa, S.; Tsuda, Y.] JAXA, Res & Dev Directorate, Sagamihara, Kanagawa 2525210, Japan; [Abe, S.] Nihon Univ, Funabashi, Chiba 2748501, Japan; [Sasaki, S.; Kimura, J.] Osaka Univ, Toyonaka, Osaka 5600043, Japan; [Otsubo, T.] Hitotsubashi Univ, Tokyo 1568601, Japan; [Yabuta, H.] Hiroshima Univ, Higashishiroshima 7398526, Japan; [Ishiguro, M.] Seoul Natl Univ, Seoul 08826, South Korea; [Abell, P. A.; Zolensky, M. E.] NASA, Johnson Space Ctr, Houston, TX 77058 USA; [Barucci, M. A.] Univ Paris Diderot, Sorbonne Univ, CNRS, LESIA/Observ Paris/PSL, F-92195 Meudon, France; [Ishihara, Y.] Natl Inst Environm Studies, Tsukuba, Ibaraki 3058506, Japan; [Yamaguchi, T.] Mitsubishi Electr Corp, Kamakura, Kanagawa 2478520, Japan	10.1126/science.1209422	https://doi.org/10.1126/science.1209422	WOS:000464956600046	26	201911
The surface composition of asteroid 162173 Ryugu from Hayabusa2 near-infrared spectroscopy	SCIENCE	364	272	[Kizato, K.; Hirata, N.; Honda, C.] Univ Aizu, Fukushima, Japan; [Miliken, R. E.; Hiroi, T.] Brown Univ, Providence, RI 02912 USA; [Iwata, T.; Abe, M.; Ohtake, M.; Nakauchi, Y.; Matsuka, M.; Riu, L.; Nakato, A.; Yokota, Y.; Sakatani, N.; Yamamoto, Y.; Okada, T.; Sawada, H.; Hayakawa, M.; Shirai, K.; Shimaki, Y.; Ogawa, N.; Terui, F.; Takei, Y.; Saiki, T.; Nakazawa, S.; Tanaka, S.; Yoshikawa, M.; Watanabe, S.; Tsuda, Y.] Japan Aerosp Explorat Agcy JAXA, ISAS, Sagamihara, Kanagawa, Japan; [Iwata, T.; Abe, M.; Ohtake, M.; Komatsu, M.; Takato, N.; Matsumoto, K.; Yamamoto, Y.; Yamaguchi, A.; Tanaka, S.; Yoshikawa, M.; Tsuda, Y.] Grad Univ Adv Studies SOKENDAI, Kanagawa, Japan; [Matsura, S.] Kwansei Gakuin Univ, Nishinomiya, Hyogo, Japan; [Arai, T.] Ashikaga Univ, Ashikaga, Tochigi, Japan; [Nakamura, T.; Tsushima, K.] Tohoku Univ, Sendai, Miyagi, Japan; [Genshi, H.; Puget, F.; An, T.; Yamada, M.] Chiba Inst Technol, Chiba, Japan; [Pillinger, C.; Brunetto, R.; Bibring, J. -P.] Univ Paris Sud, Inst Astrophys Spatiale, Orsay, France; [Takis, D.] NASA, Astronom Res & Explorat Sci, Johnson Space Ctr, Houston, TX USA; [Domínguez, D. L.; Vilas, F.] Planetary Sci Inst, Tucson, AZ USA; [Barucci, M. A.; Perna, D.] Observ Paris, LESIA, Meudon, France; [Perna, D.] Ist Nat Astrofis INF, Osservatorio Astronomico Roma, Osservatorio Astronomico Roma, Monte Porzio Catone, Italy; [Palomba, E.; Galiano, A.] INFN, Ist Astrofis Planetol Spaziale, Rome, Italy; [Tsumura, K.] Tokyo City Univ, Tokyo, Japan; [Osawa, T.] Japan Atom Energy Agcy, Ibaraki, Japan; [Takato, N.; Matsumoto, K.] Natl Astron Observ Japan, Tokyo, Japan; [Matsunaga, T.] Natl Inst Environm Studies, Ibaraki, Japan; [Takagi, Y.] Aichi Toho Univ, Nagoya, Aichi, Japan; [Kouyama, T.] Natl Inst Adv Ind Sci & Technol, Tokyo, Japan; [Yokota, Y.; Honda, R.] Kochi Univ, Kochi, Japan; [Tatsumi, E.; Okada, T.; Sugita, S.; Yoshioka, K.; Cho, Y.] Univ Tokyo, Tokyo, Japan; [Morota, T.; Watanabe, S.] Nagoya Univ, Nagoya, Aichi, Japan; [Kameda, S.] Rikkyo Univ, Tokyo, Japan; [Suzuki, H.] Meiji Univ, Tokyo, Japan; [Ogawa, K.; Hirata, N.] Kobe Univ, Kobe, Hyogo, Japan; [Yamaguchi, A.] Natl Inst Polat Res, Tokyo, Japan; [Yamaguchi, T.] Mitsubishi Electr Corp, Kamakura, Japan	10.1126/science.1209422	https://doi.org/10.1126/science.1209422	WOS:000464956600047	36	201911
Ab initio simulation of laser-induced water decomposition close to carbon nanotubes	PHYSICAL REVIEW B	99	165424	[Miyamoto, Yoshiyuki] Natl Inst Adv Ind Sci & Technol, Res Ctr Comput Design Adv Funct Mat, Cent 2.1-1-1 Umezono, Tsukuba, Ibaraki 3058568, Japan; [Zhang, Hong] Sichuan Univ, Coll Phys Sci & Technol, Chengdu 610005, Sichuan, Peoples R China; [Cheng, Xinxin] Xinhua Univ, Inst Atom & Mol Phys, Chengdu 610005, Sichuan, Peoples R China; [Rubio, Angel] Max Planck Inst Struct & Dynam Matter, Luruper Chaussee 149, D-22761 Hamburg, Germany; [Rubio, Angel] Ctr Free Electron Laser Sci, Luruper Chaussee 149, D-22761 Hamburg, Germany; [Rubio, Angel] Univ Basque Country, Nanobio Spect Grp, San Sebastian 20018, Spain; [Rubio, Angel] Univ Basque Country, ETSF, San Sebastian 20018, Spain; [Rubio, Angel] Flatiron Inst, Ctr Comput Quantum Phys, 162 Fifth Ave, New York, NY 10010 USA	10.1103/PhysRevB.99.165424	https://doi.org/10.1103/PhysRevB.99.165424	WOS:000465167100005	0	201911

Momentum-dependent relaxation dynamics of the doped repulsive Hubbard model	PHYSICAL REVIEW B	99	165132	[Sayay, Sharareh] Univ Tokyo, Inst Solid State Phys, Kashiwa, Chiba 278858, Japan; [Tsuiji, Naoto] RIKEN, Ctr Emergent Matter Sci, Wako, Saitama 3510198, Japan; [Vaezi, Abolhasan] Stanford Univ, Dept Phys, Stanford, CA 94305 USA; [Vaezi, Abolhasan] Stanford Univ, Stanford Ctr Topol Quantum Phys, Vaezi, Abolhasan] Stanford Univ, Dept Phys, Stanford, CA 94305 USA; [Capone, Massimo] Scuola Int Super Stud Avanzati, Via Bonomea 265, I-34136 Trieste, Italy; [Capone, Massimo] CNR IOM Democritos, Via Bonomea 265, I-34136 Trieste, Italy; [Eckstein, Martin] Univ Erlangen Nurnberg, Dept Phys, D-91058 Erlangen, Germany; [Aoki, Hideo] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058568, Japan; [Aoki, Hideo] Univ Tokyo, Dept Phys, Tokyo 1130033, Japan	10.1103/PhysRevB.99.165132	https://doi.org/10.1103/PhysRevB.99.165132	WOS:00046616161700002	0	201911
Contact resistance at graphene/MoS2 lateral heterostructures	APPLIED PHYSICS LETTERS	114	163101	[Hossain, M.; Dabral, A.; Meng, R.; Altanavicius, V. V.; Steensma, J. J.] Univ Leuven, Dept Phys & Astron, B-3001 Leuven, Belgium; [Jordandou, K.] Univ Oslo, Dept Phys, NO-0316 Oslo, Norway; [Dabral, A.; Poutorik, G.] IMEC, Kapeldreef 75, B-3001 Leuven, Belgium; [Lu, A.] AIST, Math&Mat OIL, Sendai, Miyagi 9808577, Japan	10.1063/1.5083133	https://doi.org/10.1063/1.5083133	WOS:000466264600029	0	201911
Physical reservoir computing based on spin torque oscillator with forced synchronization	APPLIED PHYSICS LETTERS	114	164101	[Tsuneji, Sumito; Taniguchi, Tomohiro; Yakushiji, Kay; Fukushima, Akio; Yussa, Shinji; Kubota, Hiroshi] Natl Inst Adv Ind Sci & Technol, Saitama 3058568, Japan; [Nakajima, Kohei] Univ Tokyo, Grad Sch Inform Sci & Technol, Bunkyo Ku, Tokyo 1138656, Japan; [Nakajima, Kohei] JST, PRESTO, 4-1-8 Honcho, Kawaguchi, Saitama 3320012, Japan; [Miwa, Shinji] Univ Tokyo, Inst Solid State Phys, Chiba 278858, Japan	10.1063/1.5081797	https://doi.org/10.1063/1.5081797	WOS:000466264600050	2	201911
Receptor-destroying enzyme (RDE) from <i>Vibrio cholerae</i> modulates IgE activity and reduces the initiation of anaphylaxis	JOURNAL OF BIOLOGICAL CHEMISTRY	294	6659	[Yamazaki, Tatsuo; Inui, Masanori; Tomono, Susumu; Itoh, Makoto; Ichimori, Isao; Nakashima, Akina; Takagi, Hidekazu; Biwasa, Mhryunju; Akashi-Takamura, Sachiko] Aichi Med Univ, Dept Microbiol & Immunol, Sch Med, 1-1 Yazakokarimata, Nagakute, Aichi 4801195, Japan; [Hiemori, Keiko; Tatenno, Hiroaki] Natl Inst Adv Ind Sci & Technol, Biotechnol Res Inst Drug Discovery, 1-1-1 Umezono, Tsukuba, Ibaraki 3058568, Japan; [Izawa, Kumi; Kaitara, Iro] Juntendo Univ, Atsuy Res Ctr, Grad Sch Med, Bunkyo Ku, 2-1-1 Hongo, Tokyo 1138421, Japan; [Izawa, Kumi; Kaitara, Iro] Univ Tokyo, Inst Med Sci, Div Cellular Therapy, Div Stem Cell Signaling, Minato Ku, 4-6-1 Shirokanedai, Tokyo 1088639, Japan; [Imai, Teruko] Kumamoto Univ, Grad Sch Pharmaceut Sci, 5-1 Oe Honmachi, Kumamoto 8620973, Japan; [Sugura, Nobuo] Aichi Med Univ, Inst Mol Sci Med, Sch Med, 1-1 Yazakokarimata, Nagakute, Aichi 4801195, Japan	10.1074/jbc.RA118.006375	https://doi.org/10.1074/jbc.RA118.006375	WOS:000467394700001	0	201911
Inducing out-of-plane precession of magnetization for microwave-assisted magnetic recording with an oscillating polarizer in a spin-torque oscillator	APPLIED PHYSICS LETTERS	114	#VALUE!	[Zhou, W.; Sepehr-Amin, H.; Sakuraba, Y.; Kasai, S.; Hono, K.] NIMS, Res Ctr Magnet & Spintron Mat, Tsukuba, Ibaraki 3050047, Japan; [Taniguchi, T.; Tamaru, S.; Kubota, H.] Natl Inst Adv Ind Sci & Technol, Saitama 3058568, Japan	10.1063/1.5086476	https://doi.org/10.1063/1.5086476	WOS:000466889100017	0	201911
Shock growth of ice crystal near equilibrium melting pressure under dynamic compression	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	116	8679	[Kim, Yong-Jae; Lee, Yun-Hee; Lee, Soohyeong; Lee, Geun Woo] Korea Res Inst Stand & Sci, Div Ind Metrol, Daejeon 34113, South Korea; [Lee, Yun-Hee; Lee, Soohyeong; Lee, Geun Woo] Univ Sci & Technol, Dept Nano Sci, Daejeon 34113, South Korea; [Nada, Hiroki] Natl Inst Adv Ind Sci & Technol, Environm Management Res Inst, Tsukuba, Ibaraki 3058569, Japan; [Kim, Yong-Jae] Lawrence Livermore Natl Lab, Phys Div, Livermore, CA 94550 USA	10.1073/pnas.1818122116	https://doi.org/10.1073/pnas.1818122116	WOS:000466446500012	0	201911
Exaggeration and cooption of innate immunity for social defense	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	116	8950	[Kutsukake, Mayako; Moriyama, Minoru; Meng, Xian-Ying; Fukatsu, Takema] Natl Inst Adv Ind Sci & Technol, Bioprod Res Inst, Tsukuba, Ibaraki 3058566, Japan; [Moriyama, Minoru] Natl Inst Adv Ind Sci & Technol, Computat Bio Big Data Open Innovat Lab, Tsukuba, Ibaraki 3058566, Japan; [Shigenobu, Shuji] Natl Inst Basic Biol, Core Res Facil, Okazaki, Aichi 4448585, Japan; [Nikoh, Naruo] Open Univ Japan, Dept Liberal Arts, Chiba 2618586, Japan; [Noda, Chiyo] Natl Inst Basic Biol, Okazaki Inst Integrat Biosci, Okazaki, Aichi 4448787, Japan; [Kobayashi, Satoru] Univ Tsukuba, Tsukuba Adv Res Alliance, Life Sci Ctr Survival Dynam, Tsukuba, Ibaraki 3058577, Japan; [Fukatsu, Takema] Univ Tokyo, Grad Sch Sci, Dept Biol Sci, Tokyo 1130033, Japan; [Fukatsu, Takema] Univ Tsukuba, Grad Sch Life & Environm Sci, Tsukuba, Ibaraki 3058572, Japan	10.1073/pnas.1900917116	https://doi.org/10.1073/pnas.1900917116	WOS:000466446500048	1	201911
Pre-enrichment of radioactive cesium in muddy water separated into suspended and dissolved substances for trace analysis	WATER RESEARCH	154	28	[Minami, Kimioka; Takahashi, Aki; Sakurai, Kei; Kawamoto, Tohru] Natl Inst Adv Ind Sci & Technol, Nanomat Res Inst, 1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan; [Funahashi, Takayuki; Kanai, Ramon; Kamimura, Ryuchiro] Tokyo Power Technol Ltd, 2-3-6 Ohnodai, Chiba 2670005, Japan; [Honda, Kazuyuki; Uemura, Kazuo] Octol Co Ltd, 3-7-3 Higashi Arioka, Itami, Hyogo 6640845, Japan	10.1016/j.watres.2019.01.031	https://doi.org/10.1016/j.watres.2019.01.031	WOS:000462104100004	0	201911
Atomic-scale structural identification and evolution of Co-W-C ternary SWCNT catalytic nanoparticles: High-resolution STEM imaging on SiO2	SCIENCE ADVANCES	5	#VALUE!	[Ar, Hua; Xiang, Rong; Inoue, Takao; Otsuka, Keigo; Shiohara, Shohei; Li, Yan; Maruyama, Shigeo] Univ Tokyo, Dept Mech Engrg, Tokyo 1138656, Japan; [Kumamoto, Akiko; Ikuhara, Yutoku] Univ Inst Engr Innovat, Tokyo 1138656, Japan; [Bichara, Christophe] Aix Marseille Univ, CNRS, CINAM, Marseille, France; [Loiseau, Annick] Univ Paris Saclay, CNRS ONERA, Lab Ehd Microstruct, BP72, F-92322 Chatillon, France; [Li, Yan] Peking Univ, Coll Chem & Mol Engr, Beijing 100871, Peoples R China; [Maruyama, Shigeo] Natl Inst Adv Ind Sci & Technol, Energy NanoEngrg Lab, Tsukuba, Ibaraki 3058564, Japan	10.1126/sciadv.aar9459	https://doi.org/10.1126/sciadv.aar9459	WOS:000470125000004	0	201911
Fictional Properties of Simulated Chlorite Gouge at Hydrothermal Conditions: Implications for Subduction Megathrusts	JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH	124	4545	[Okamoto, Ayumi S.; Shimizu, Ichiko] Univ Tokyo, Grad Sch Sci, Dept Earth & Planetary Sci, Tokyo, Japan; [Okamoto, Ayumi S.; Niemeijer, Andre R.; Spiers, Christopher J.] Univ Utrecht, High Pressure & Temp Lab, Utrecht, Netherlands; [Verberne, Bernd A.; Takahashi, Miki] Natl Inst Adv Ind Sci & Technol, Geol Survey Japan, Tsukuba, Ibaraki, Japan; [Shimizu, Ichiko; Ueda, Tademasu] Kyoto Univ, Grad Sch Sci, Div Earth & Planetary Sci, Kyoto, Japan	10.1029/2018B017205	https://doi.org/10.1029/2018B017205	WOS:000477721500015	0	201911
Inelastic Deformation of the Slochteren Sandstone: Stress-Strain Relations and Implications for Induced Seismicity in the Groningen Gas Field	JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH	124	5254	[Pijnenburg, R. P. J.; Verberne, B. A.; Hargis, S. J. T.; Spiers, C. J.] Univ Utrecht, Dept Earth Sci, HPT Lab, Utrecht, Netherlands; [Verberne, B. A.] Geol Survey Japan, Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki, Japan	10.1029/2019B017366	https://doi.org/10.1029/2019B017366	WOS:000477721500052	3	201911
Crustal Extension and Graben Formation by Fault Slip-Associated Pore Opening, Kyushu, Japan	JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH	124	4879	[Wang, Zhi] Chinese Acad Sci, South China Sea Inst Oceanol, CAS Key Lab Ocean & Marginal Sea Geol, Guangzhou, Guangdong, Peoples R China; [Fukao, Yoshio] Japan Agcy Marine Earth Sci & Technol, CEAT, Yokohama, Kanagawa, Japan; [Miyakawa, Ayumi] Geol Survey Japan, AIST, Tsukuba, Ibaraki, Japan; [Hasegawa, Akira] Tohoku Univ, Dept Geophys, Sendai, Miyagi, Japan; [Takai, Yasuko] Univ Tokyo, Earthquake Res Inst, Tokyo, Japan	10.1029/2018B016649	https://doi.org/10.1029/2018B016649	WOS:000477721500033	0	201911
Transport evidence of asymmetric spin-orbit coupling in few-layer superconducting 1T(d)-MoTe2	NATURE COMMUNICATIONS	10	2044	[Cui, Jian; Li, Peiling; Huang, Xiangwei; Fan, Jie; Ji, Zhongqiang; Jing, Xunian; Qu, Fanning; Cheng, Zhi; Geng; Yang, Changli; Lu, Li; Liu, Guanglong] Chinese Acad Sci, Beijing Natl Lab Condensed Matter Phys, Inst Phys, Beijing 100190, Peoples R China; [Li, Peiling; Huang, Xiangwei] Univ Chinese Acad Sci, Beijing 100190, Peoples R China; [Zhou, Jiaodong; Liu, Zheng] Nanyang Technol Univ, Sch Mat Sci & Engr, Singapore 639798, Singapore; [He, Wen-Yu; Liu, Junwei; Law, Kam Tuen] Hong Kong Univ Sci & Technol, Dept Phys, Clear Water Bay, Hong Kong, Peoples R China; [Yi, Jian] Chinese Acad Sci, Ningbo Inst Ind Technol, Ningbo 315201, Zhejiang, Peoples R China; [Jing, Xunian; Yang, Changli; Lu, Li] Collaborat Innovat Ctr Quantum Matter, Beijing 100871, Peoples R China; [Suenaga, Kazuo] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058565, Japan; [Lin, Junhao] Southern Univ Sci & Technol, Dept Phys, Shenzhen 518055, Peoples R China; [Lin, Junhao] Shenzhen Key Lab Quantum Sci & Engr, Shenzhen 518055, Peoples R China; [Liu, Guanglong] Songshan Lake Mat Lab, Dongguan 523808, Guangdong, Peoples R China	10.1038/s41467-019-09995-0	https://doi.org/10.1038/s41467-019-09995-0	WOS:000466699900004	1	201911
Mode-Selective Coupling of Coherent Phonons to the B12212 Electronic Band Structure	PHYSICAL REVIEW LETTERS	122	176403	[Yang, S.-L.; Sobota, J. A.; He, Y.; Leuenberger, D.; Solfer, H.; Kirchmann, P. S.; Shen, Z.-X.] SLAC Natl Accelerator Lab, Stanford Inst Mat & Energy Sci, 2575 Sand Hill Rd, Menlo Park, CA 94025 USA; [Yang, S.-L.; He, Y.; Leuenberger, D.; Shen, Z.-X.] Stanford Univ, Dept Phys & Appl Phys, Geballe Lab Adv Mat, Stanford, CA 94305 USA; [Sobota, J. A.] Lawrence Berkeley Natl Lab, Adv Light Source, Berkeley, CA 94720 USA; [Eisaki, H.] Natl Inst Adv Ind Sci & Technol, Elect & Photon Res Inst, Tsukuba, Ibaraki 3058558, Japan; [Yang, S.-L.] Cornell Univ, Kavli Inst Cornell Nanoscale Sci, Lab Atom & Solid State Phys, Dept Phys, Dept Mat Sci & Engr, Ithaca, NY 14853 USA	10.1103/PhysRevLett.122.176403	https://doi.org/10.1103/PhysRevLett.122.176403	WOS:000467042000022	0	201911
Identification of mammalian glycoproteins with type-1 Lac/Nac structures synthesized by the glycosyltransferase B3GALNT2	JOURNAL OF BIOLOGICAL CHEMISTRY	294	7433	[Nakane, Takahiro; Anagiri, Kiyohiko; Saito, Takashi; Kaji, Hiroyuki; Nishimatsu, Hisashi] Natl Inst Adv Ind Sci & Technol, Glycosyl & Glycotechnol Res Grp, Biotechnol Res Inst Drug Discovery, Dept Life Sci & Biotechnol, Tsukuba, Ibaraki 3058568, Japan; [Nakane, Takahiro; Nishimatsu, Hisashi] Univ Tsukuba, Grad Sch Comprehensive Human Sci, Doctoral Program Clin Sci, Tsukuba, Ibaraki 3058575, Japan	10.1074/jbc.RA118.006892	https://doi.org/10.1074/jbc.RA118.006892	WOS:000468480290028	0	201911
A Standardized Stochastic Life Cycle Inventory for Enhanced Specificity in Environmental Assessment of Sewage Treatment	ENVIRONMENTAL SCIENCE & TECHNOLOGY	53	5111	[Alyared, Valeria L.; Hsu, Shu-Chien; Wu, Zhuoying; Lam, Chor-Man; Zhuang, Huichuan] Hong Kong Polytech Univ, Dept Civil & Environm Engr, Kowloon, Hong Kong, Peoples R China; [Leng, Ling] Natl Inst Adv Ind Sci & Technol, Bioprod Res Inst, Tsukuba, Ibaraki 3058566, Japan; [Lee, Po-Heng] Imperial Coll London, Dept Civil & Environm Engr, London SW7 2AZ, England	10.1021/acs.est.1b06149	https://doi.org/10.1021/acs.est.1b06149	WOS:000467641800048	0	201911
Avalanche Interpretation of the Power-Law Energy Spectrum in Three-Dimensional Dense Granular Flow	PHYSICAL REVIEW LETTERS	122	188004	[Oyama, Norihito] AIST, Math Adv Mat OIL, Sendai, Miyagi 9808577, Japan; [Mizuno, Hideyuki] Univ Tokyo, Grad Sch Arts & Sci, Tokyo 1538002, Japan; [Saitoh, Kunisugu] Tohoku Univ, Res Alliance Ctr Natl Sci, Aoba Ku, 2-1-1 Katahira, Sendai, Miyagi 9808577, Japan; [Saitoh, Kunisugu] Tohoku Univ, WPI Adv Inst Mat Res, Aoba Ku, 2-1-1 Katahira, Sendai, Miyagi 9808577, Japan	10.1103/PhysRevLett.122.188004	https://doi.org/10.1103/PhysRevLett.122.188004	WOS:000467739200021	0	201911
Anti-Inflammatory marine cyclic peptide stylissatin A and its derivatives inhibit differentiation of murine preadipocytes	CHEMICAL COMMUNICATIONS	55	5471	[Zhang, Menghua; Sunaba, Taiki; Sasaki, Kazunori; Kigoshi, Hideki; Kita, Masaki] Univ Tsukuba, Grad Sch Pure & Appl Sci, Tsukuba, Ibaraki 3058571, Japan; [Zhang, Menghua] Univ Tsukuba, Sch Integrat & Global Majors SIGMA, PhD Program Human Biol, Tsukuba, Ibaraki 3058577, Japan; [Sun, Yiting; Kita, Masaki] Nagoya Univ, Grad Sch Bioagr Sci, Nagoya, Aichi 4648601, Japan; [Sasaki, Kazunori] Natl Inst Adv Ind Sci & Technol, Interdisciplinary Res Ctr Catalytic Chem, Tsukuba, Ibaraki 3058565, Japan; [Isoda, Hiroko] Univ Tsukuba, Grad Sch Life & Environm Sci, Tsukuba, Ibaraki 3058577, Japan; [Isoda, Hiroko] Univ Tsukuba, Alliance Res North Africa ARENA, Tsukuba, Ibaraki 3058577, Japan	10.1039/c9cc02517k	https://doi.org/10.1039/c9cc02517k	WOS:000468369900011	0	201911
Impact of Data Assimilation on Thermal Tides in the Case of Venus Express Wind Observation	GEOPHYSICAL RESEARCH LETTERS	46	4573	[Sugimoto, Norihiko] Keio Univ, Dept Phys, Res & Educ Ctr Nat Sci, Yokohama, Kanagawa, Japan; [Koyama, Toku] Natl Inst Adv Ind Sci & Technol, Artificial Intelligence Res Ctr, Tokyo, Japan; [Takagi, Masahiko] Kyoto Sanyo Univ, Fac Sci, Tokyo, Japan	10.1029/2019GL082700	https://doi.org/10.1029/2019GL082700	WOS:000468869500004	0	201911
Recurrence of Extreme Coastal Erosion in SE Australia Beyond Historical Timescales Inferred From Beach Ridge Morphostigraphy	GEOPHYSICAL RESEARCH LETTERS	46	4705	[Tamura, T.] Natl Inst Adv Ind Sci & Technol, Geol Survey Japan, Tsukuba, Ibaraki, Japan; [Tamura, T.] Univ Tokyo, Grad Sch Frontier Sci, Kashiwa, Chiba, Japan; [Oliver, T. S. N.] Univ New South Wales, Australian Del Force Acad, Sch Sci, Canberra, ACT, Australia; [Oliver, T. S. N.; Woodroffe, C. D.] Univ Wollongong, Sch Earth Atmospher & Life Sci, Wollongong, NSW, Australia; [Cunningham, A. C.] Aarhus Univ, Dept Geosci, Nord Lab Luminescence Dating, Roskilde, Denmark; [Cunningham, A. C.] Technical Univ Denmark, Ctr Nucl Technol, Roskilde, Denmark	10.1029/2019GL083661	https://doi.org/10.1029/2019GL083661	WOS:000468869500018	1	201911
Micro- and Nanopillar Chips for Continuous Separation of Extracellular Vesicles	ANALYTICAL CHEMISTRY	91	6514	[Hattori, Yuya; Shimada, Taisuke; Yasui, Takao; Baba, Yoshinobu] Nagoya Univ, Grad Sch Engr, Dept Biomed Engr, Chikusa Ku, Furo Cho, Nagoya, Aichi 4648603, Japan; [Hattori, Yuya; Shimada, Taisuke; Yasui, Takao; Baba, Yoshinobu] Nagoya Univ, ImPACT Res Ctr Adv Nanobioelectronics, Chikusa Ku, Furo Cho, Nagoya, Aichi 4648603, Japan; [Yasui, Takao; Kaji, Noritaka] PRESTO, JST, 4-1-8 Honcho, Kawaguchi, Saitama 3320012, Japan; [Kaji, Noritaka] Kyushu Univ, Grad Sch Engr, Dept Appl Chem, Nishi Ku, 744 Motooka, Fukuoka, Fukuoka 8190055, Japan; [Baba, Yoshinobu] Natl Inst Adv Ind Sci & Technol, Hibi Res Inst, Hayashi Cho 2217-14, Takamatsu, Kagawa 7610395, Japan; [Baba, Yoshinobu] Kaohsiung Med Univ, Coll Pharm, Sch Pharm, 100 Shi Zi Chuan First Rd, Kaohsiung 807, Taiwan	10.1021/acs.analchem.8b05538	https://doi.org/10.1021/acs.analchem.8b05538	WOS:000469304390017	0	201911
Enhanced perpendicular magnetocrystalline anisotropy energy in an artificial magnetic material with bulk spin-momentum coupling	PHYSICAL REVIEW B	99	180410	[Pardito, Abdul-Muiz; Han, Woo Seung; Kim, Sanghoon; Shiota, Yoshio; Maruyama, Takahiro; Ogo, Teruo] Kyoto Univ, Inst Chem Res, Uji, Kyoto 610111, Japan; [Pardito, Abdul-Muiz; Nakamura, Koji] Mie Univ, Dept Phys Engr, Tsu, Mie 5148507, Japan; [Yakushiji, Kay] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058568, Japan; [Kim, Sanghoon] Univ Ulsan, Dept Phys, Ulsan 44610, South Korea; [Kim, Kyoung-Wan] Johannes Gutenberg Univ Mainz, Inst Phys, D-55099 Mainz, Germany; [Kim, Kyoung-Wan] Korea Inst Sci & Technol, Ctr Spintron, Seoul 02792, South Korea; [Lee, Hyun-Woo] Pohang Univ Sci & Technol, Dept Phys, Pohang 37673, South Korea; [Lee, Kyung-Jin] Korea Univ, Dept Mat Sci & Engr, Seoul 02841, South Korea; [Lee, Kyung-Jin] Korea Univ, KU KIST Grad Sch Converging Sci & Technol, Seoul 02841, South Korea	10.1103/PhysRevB.99.180410	https://doi.org/10.1103/PhysRevB.99.180410	WOS:000469056800001	0	201911
Quantum Interferometry with a g-Factor-Tunable Spin Qubit	PHYSICAL REVIEW LETTERS	122	207703	[Dno, K.] RIKEN, Adv Device Lab, Wako, Saitama 3510198, Japan; [Dno, K.] RIKEN, CEMS, Wako, Saitama 3510198, Japan; [Shevchenko, S. N.; Nori, Franco] RIKEN Ctr Interact Pioneer Res, Theoret Quantum Phys Lab, Wako, Saitama 3510198, Japan; [Shevchenko, S. N.] B Verkin Inst Low Temp Phys & Engr, UA-61003 Kharkov, Ukraine; [Shevchenko, S. N.] Kharkov Natl Univ, UA-61022 Kharkov, Ukraine; [Mori, T.] Natl Inst Adv Ind Sci & Technol, Nanolect Res Inst, Tsukuba, Ibaraki 3058568, Japan; [Moriyama, S.] NIMS, Int Ctr Natl Nanoarchitecton, Tsukuba, Ibaraki 3050044, Japan; [Nori, Franco] Univ Michigan, Dept Phys, Ann Arbor, MI 48109 USA	10.1103/PhysRevLett.122.207703	https://doi.org/10.1103/PhysRevLett.122.207703	WOS:000469036300018	0	201911
Synthesis of hydrosilanes via Lewis-base-catalysed reduction of alkoxy silanes with NaBH4	CHEMICAL COMMUNICATIONS	55	5859	[Aoyagi, Keya; Nakajima, Yumiko] Univ Tsukuba, Fac Pure & Appl Sci, Dept Chem, 1-1-1 Tennodai, Tsukuba, Ibaraki 3058571, Japan; [Aoyagi, Keya; Ohnori, Yu; Inomata, Koya; Matsumoto, Kazuhiko; Shimada, Shigen; Saito, Kazuhiko; Nakajima, Yumiko] Natl Inst Adv Ind Sci & Technol, Interdisciplinary Res Ctr Catalytic Chem, 1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan	10.1039/c9cc01961h	https://doi.org/10.1039/c9cc01961h	WOS:000469304390032	0	201911
High-performance planar-type electron source based on a graphene-oxide-semiconductor structure	APPLIED PHYSICS LETTERS	114	213501	[Murakami, Katsuhisa; Miyaji, Junji; Furuya, Ryo; Adachi, Manabu; Nagao, Masayoshi] Natl Inst Adv Ind Sci & Technol, 1-1-1 Umezono, Tsukuba, Ibaraki 3058568, Japan; [Murakami, Katsuhisa; Adachi, Manabu; Yamada, Yoichi; Sasaki, Masahiro] Univ Tsukuba, Fac Pure & Appl Sci, 1-1-1 Tennodai, Tsukuba, Ibaraki 3058573, Japan; [Miyaji, Junji; Neo, Yoichiro; Mimura, Hidenori] Shizuoka Univ, Res Inst Elect, Naka Ku, 3-5-1 Johoku, Hamamatsu, Shizuoka 4228011, Japan; [Furuya, Ryo] Yokohama Natl Univ, Dept Mech Engr Mat Sci & Ocean Engr, Hodogaya Ku, 79-5 Tokiwadai, Yokohama, Kanagawa 2408501, Japan; [Takao, Yoshinori] Yokohama Natl Univ, Div Syst Res, Hodogaya Ku, 79-5 Tokiwadai, Yokohama, Kanagawa 2408501, Japan	10.1063/1.5091585	https://doi.org/10.1063/1.5091585	WOS:000448243800016	0	201911
Highly conductive, durable and large area carbon nanotube thick films for stretchable and flexible electrodes	APPLIED PHYSICS LETTERS	114	213104	[Zhou, Ying; Tanaka, Satoshi] Natl Inst Adv Ind Sci & Technol, CNT Applicat Res Ctr, 1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan; [Zhou, Ying; Yokota, Yoshiko; Toda, Naoya; Azumi, Reiko] Natl Inst Adv Ind Sci & Technol, Elect & Photon Res Inst, 1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan	10.1063/1.5088401	https://doi.org/10.1063/1.5088401	WOS:000448243800006	0	201911
Origin of the overall water splitting activity of Ta3N5 revealed by ultrafast transient absorption spectroscopy	CHEMICAL SCIENCE	10	5353	[Murthy, Dharmapure H. K.; Matsuzaki, Hiroyuki; Suzuki, Yohichi; Seki, Kazuhiko; Furube, Akihiro] Natl Inst Adv Ind Sci & Technol, Tsukuba Cent 2, 1-1-1 Umezono, Tsukuba, Ibaraki 3058568, Japan; [Wang, Zheng; Hisatomi, Takashi; Domen, Kazunori] Shinshu Univ, Ctr Enrgy & Environm Sci, 4-17-1 Wakasato, Nagano, Nagano 3808553, Japan; [Inoue, Yasunobu; Domen, Kazunori] Univ Tokyo, Dept Chem Syst Engr, Sch Engr, Bunkyo Ku, 7-3-1 Hongo, Tokyo 1138656, Japan; [Inoue, Yasunobu] Japan Technol Res Assoc Artificial Photosynth C, Chiyoda Ku, 2-1-19 Hiyabitocho, Tokyo 1001002, Japan; [Furube, Akihiro] Tokushima Univ, Dept Opt Sci, 2-1-1 Minamijosannmachi, Tokushima 7708506, Japan	10.1039/c9sc00217k	https://doi.org/10.1039/c9sc00217k	WOS:000468791800017	1	201911
Sliding Dynamics of Ring on Polymer in Rotaxane: A Coarse-Grained Molecular Dynamics Simulation Study	MACROMOLECULES	52	3787	[Yasuda, Yusuke; Mayumi, Koichi; Yokoyama, Hideaki; Ito, Kohzoh] Univ Tokyo, Grad Sch Frontier Sci, 5-1-5 Kashiwanoha, Kashiwa, Chiba 278851, Japan; [Toda, Masatoshi; Morita, Hiroshi] Natl Inst Adv Ind Sci & Technol, 1-1-1 Umezono, Tsukuba, Ibaraki 3058568, Japan	10.1021/acs.macro.1801118	https://doi.org/10.1021/acs.macro.1801118	WOS:000469886700018	1	201911
Leptin in hippocampus mediates benefits of mild exercise by an antioxidant on neurogenesis and memory	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	116	10988	[Yook, Jang Soc; Rakwal, Randep; Shibata, Junji; Takahashi, Kanako; Koizumi, Hikaru; Shima, Takeru; Oharomari, Leandro K.; Soya, Hideaki] Univ Tsukuba, Fac Hlth & Sport Sci, Lab Exercise Biochem & Neuroendocrinol, Tsukuba, Ibaraki 3058574, Japan; [Yook, Jang Soc; Takahashi, Kanako; Koizumi, Hikaru; Oharomari, Leandro K.; Soya, Hideaki] Univ Tsukuba, Fac Hlth & Sport Sci, Adv Res Initiat Human High Performance, Div Sport Neurosci, Tsukuba, Ibaraki 3058574, Japan; [Ikemoto, Mitsuhisa J.] Natl Inst Adv Ind Sci & Technol, Biomed Res Inst, Mol Composite Med Res Grp, Tsukuba, Ibaraki 3058568, Japan; [Ikemoto, Mitsuhisa J.] Toho Univ, Grad Sch Sci, Funabashi, Chiba 2748510, Japan; [McEwen, Bruce S.] Rockefeller Univ, Lab Neuroendocrinol, New York, NY 10065 USA	10.1073/pnas.1815197116	https://doi.org/10.1073/pnas.1815197116	WOS:0004692849030060	0	201911

Terawatt-scale photovoltaics: Transform global energy	SCIENCE	364	836	[Haegel, Nancy M.; Barnes, Teresa; Burrell, Anthony; Feldman, David; Kroposki, Ben; Kurtz, Sarah; Margolis, Robert; Metzger, Wyatt K.; Tumas, William; de Jagermaat, Jao van; Warren, Emily; Werner, Mary] NREL, Golden, CO 80401 USA; [Atwater, Harry, Jr.] CALTECH, Pasadena, CA 91125 USA; [Breyer, Christian] LUT Univ, Lappeenranta, Finland; [Chiang, Yet-Ming; Peters, Ian Marius] MIT, 77 Massachusetts Ave, Cambridge, MA 02139 USA; [De Wolf, Stefan] KAUST, Thuwal, Saudi Arabia; [Dümler, Bernhard] NICE Solar Energy, Schwabisch Hall, Germany; [Günur, Stefan; Goldschmidt, Jan Christian; Phillips, Simon; Vetter, Matthias; Ben, Andreas W.] Fraunhofer Inst Solar Energy Syst ISE, Freiburg, Germany; [Hochschild, David] Calif Energy Commis, Sacramento, CA USA; [Inoue, Rubeen] Toshiba Mitsubishi Elect Ind Syst Corp, Tokyo, Japan; [Kaizuka, Izumi] RTS Corp, Tokyo, Japan; [Kurtz, Sarah] Univ Calif Merced, Merced, CA USA; [Leu, Sylvère; Richter, Andre] Meyer Burger, Thun, Switzerland; [Matsubara, Koji; Sakurai, Keisaku; Shirano, Masahiro] Natl Inst Adv Ind Sci & Technol, Tokyo, Japan; [Metz, Axel] E.ON Renewables GmbH, Alzenau, Germany; [Morjaria, Mahesh] First Solar, Tempe, AZ USA; [Niki, Shigen] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki, Japan; [Niki, Shigen] New Energy & Ind Technol Dev Org NEDO, Kawasaki, Kanagawa, Japan; [Nowak, Stefan] NET Nowak Energy & Technol Ltd, St Ursen, Switzerland; [Reindl, Thomas] SERIS, Singapore, Singapore; [Rose, Doug] SunPower Corp, San Jose, CA USA; [Schlatmann, Rüdiger] Helmholtz Zentrum Mat & Energie, Berlin, Germany; [Schlatmann, Rüdiger] Hach Tech & Wirtschaft, Berlin, Germany; [Sinha, Wini] E.ON, Petten, Netherlands; [Sinton, Ron] Solar Instruments, Boulder, CO USA; [Stanbury, B. J.] SIWA Power, Santa Clara, CA USA; [Topic, Marko] Univ Ljubljana, Ljubljana, Slovenia; [Ueda, Yuzuru] Tokyo Univ Sci, Tokyo, Japan; [Velinden, Pierre] AMROCK Pty LTD, Molarren Vale, Australia; [Yamaguchi, Masafumi] Toyota Technol Inst, Nagoya, Aichi, Japan	10.1126/science.aaw1845	https://doi.org/10.1126/science.aaw1845	WOS:000469887900049	2	201911
Comparative cytology, physiology and transcriptomics of Burkholderia insecticola in symbiosis with the bean bug Riptortus pedestris and in culture	ISME JOURNAL	13	1469	[Ohbayashi, Tsubasa; Barriere, Quentin; Lamouche, Florian; Mergaert, Peter] Univ Paris Sud, CNRS, Inst Integrat Biol Cell, CNRS,CEA,UMR9198, Gif Sur Yvette, France; [Ohbayashi, Tsubasa; Terashima, M.; Takashita, Kazutaka; Sone, Tetsu; Kikuchi, Yoshitomo] Hokkaido Univ, Grad Sch Agr, Sapporo, Hokkaido, Japan; [Futahashi, Ryo; Meng, Xian-Ying; Milani, Yasuo; Fukutshi, Takema] Natl Inst Adv Ind Sci & Technol, Bioprod Res Inst, Tsukuba, Ibaraki, Japan; [Terashima, M.] Hokkaido Univ, Inst Low Temp Sci, Sapporo, Hokkaido, Japan; [Shigenobu, Shuji] Natl Inst Basic Biol, NIBB Core Res Facil, Okazaki, Aichi, Japan; [Kikuchi, Yoshitomo] AIST, CBBD OIL, Sapporo, Hokkaido, Japan; [Kikuchi, Yoshitomo] AIST, Bioprod Res Inst, Sapporo, Hokkaido, Japan; [Takeshita, Kazutaka] Akita Prefectural Univ, Fac Bioresource Sci, Akita, Japan	10.1038/s4139-6-019-0361-8	https://doi.org/10.1038/s4139-6-019-0361-8	WOS:000468529400007	1	201911
Molecular Dynamics of Chirality Definable Growth of Single-Walled Carbon Nanotubes	ACS NANO	13	6506	[Yoshikawa, Ryo; Hisama, Kazuo; Ueki, Hironori; Takagi, Yukio; Inoue, Takashi; Chishiki, Shohel; Munayama, Shigen] Univ Tokyo, Dept Mech Engr, Bunkyo Ku, 7-3-1 Hongo, Tokyo 1138655, Japan; [Munayama, Shigen] Natl Inst Adv Ind Sci & Technol, Energy NanoEngn Lab, 1-2-1 Nami, Tsukuba, Ibaraki 3058654, Japan	10.1021/acsnano.8b09754	https://doi.org/10.1021/acsnano.8b09754	WOS:000447324830036	0	201911
Doublet-holon pairing mechanism via exchange interaction in two-dimensional cuprate Mott insulators	SCIENCE ADVANCES	5	#VALUE!	[Terashige, T.; Miyamoto, T.; Morimoto, T.; Yamakawa, H.; Kida, N.; Okamoto, H.] Univ Tokyo, Dept Adv Mat Sci, Chiba 278561, Japan; [Terashige, T.; Okamoto, H.] Natl Inst Adv Ind Sci & Technol, AIST Utskyo Adv Operandomesurement Technol Open, Chiba 278568, Japan; [Ono, T.] Univ Tokyo, Dept Appl Phys, Tokyo 1138655, Japan; [Ito, T.] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 305865, Japan; [Sasagawa, T.] Tokyo Inst Technol, Lab Mat & Struct, Yokohama, Kanagawa 2268503, Japan; [Tohyama, T.] Tokyo Univ Sci, Dept Appl Phys, Tokyo 125855, Japan	10.1126/sciadv.aaw2187	https://doi.org/10.1126/sciadv.aaw2187	WOS:000447379850020	0	201911
Domain State Diagnosis in Rock Magnetism: Evaluation of Potential Alternatives to the Day Diagram	JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH	124	5286	[Roberts, Andrew P.; Hu, Pengping; Heslop, David; Oda, Hirokuni; Sato, Tetsuro; Zhao, Xiang] Geol Survey Japan, Natl Inst Adv Ind Sci & Technol, Res Inst Geol & Geoinformat, AIST Tsukuba Cent 7, Tsukuba, Ibaraki, Japan; [Harrison, Richard] Univ Cambridge, Dept Earth Sci, Cambridge, England; [Muxworthy, Adrian R.] Imperial Coll London, Dept Earth Sci & Engr, South Kensington Campus, London, England; [Tauxe, Lisa] Univ Calif San Diego, Scripps Inst Oceanog, La Jolla, CA 92093 USA	10.1029/2018B017049	https://doi.org/10.1029/2018B017049	WOS:000447772210001	0	201911
Photoexcitation of a one-dimensional polarization-inverted domain from the charge-ordered ferroelectric ground state of (TMTTF)2PF6	PHYSICAL REVIEW B	99	245104	[Yamaguchi, T.] High Energy Accelerator Res Org KEK, Inst Mat Struct Sci, 1-1 Oho, Tsukuba, Ibaraki 3050801, Japan; [Asada, K.; Yamakawa, H.; Miyamoto, T.; Kida, N.; Okamoto, H.] Univ Tokyo, Dept Adv Mat Sci, 5-1-5 Kashiwa No Ho, Chiba 278561, Japan; [Iwano, K.] Grad Univ Adv Studies, Inst Mat Struct Sci, High Energy Accelerator Res Org KEK, 1-1 Oho, Tsukuba, Ibaraki 3050801, Japan; [Nakamura, T.] Inst Mat Sci, Okazaki, Aichi 4448585, Japan; [Okamoto, H.] Natl Inst Adv Ind Sci & Technol, AIST Utskyo Adv Operando Measurement Technol Open, Chiba 278568, Japan	10.1103/PhysRevB.99.245104	https://doi.org/10.1103/PhysRevB.99.245104	WOS:000447083780008	0	201911
Near-Unitary Spin Squeezing in Yb-171	PHYSICAL REVIEW LETTERS	122	22303	[Braverman, Boris; Kawasaki, Akio; Pedrozo-Penafiel, Edwin; Colombo, Simone; Shu, Chi; Li, Zeyang; Mendez, Enrique; Yamaoka, Megan; Salvi, Leonardo; Akamatsu, Daisuke; Xiao, Yanhong; Vuletic, Vladan] MIT Harvard Ctr Ultracold Atoms, Dept Phys, Cambridge, MA 02139 USA; [Braverman, Boris; Kawasaki, Akio; Pedrozo-Penafiel, Edwin; Colombo, Simone; Shu, Chi; Li, Zeyang; Mendez, Enrique; Yamaoka, Megan; Salvi, Leonardo; Akamatsu, Daisuke; Xiao, Yanhong; Vuletic, Vladan] MIT, Elect Res Lab, Cambridge, MA 02139 USA; [Shu, Chi] Harvard Univ, Dept Phys, Cambridge, MA 02138 USA; [Salvi, Leonardo] Univ Firenze, INFN Sez Firenze, Dept Fis & Astron, Via Sansone 1, I-50019 Sesto Fiorentino, Italy; [Salvi, Leonardo] Univ Firenze, INFN Sez Firenze, LENS, Via Sansone 1, I-50019 Sesto Fiorentino, Italy; [Akamatsu, Daisuke] Natl Inst Adv Ind Sci & Technol, MML, 1-1-1 Umezono, Tsukuba, Ibaraki 3058653, Japan; [Xiao, Yanhong] Fudan Univ, Dept Phys, State Key Lab Surface Phys, Shanghai 200433, Peoples R China; [Xiao, Yanhong] Fudan Univ, Minist Educ, Key Lab Micro & Nano Photon Struct, Shanghai 200433, Peoples R China; [Braverman, Boris] Univ Ottawa, Dept Phys, 25 Templeton St, Ottawa, ON K1N 6N5, Canada; [Braverman, Boris] Univ Ottawa, Max Planck Ctr Extreme & Quantum Photon, 25 Templeton St, Ottawa, ON K1N 6N5, Canada; [Kawasaki, Akio] Stanford Univ, WW Hansen Expt Phys Lab, Stanford, CA 94305 USA	10.1103/PhysRevLett.122.22303	https://doi.org/10.1103/PhysRevLett.122.22303	WOS:000447088790002	2	201911
Intrinsically Disordered Protein TEX254 Mediates ER-phagy	MOLECULAR CELL	74	909	[Chino, Haruka; Mizushima, Noboru] Univ Tokyo, Grad Sch Med, Dept Biochem & Mol Biol, Tokyo 1130033, Japan; [Chino, Haruka] Univ Tokyo, Grad Sch Med, Dept Resg Med, Tokyo 1130033, Japan; [Hatta, Tomohisa; Tameura, Toru] Natl Inst Adv Ind Sci & Technol, Mol Profiling Res Ctr Drug Discovery Molprof, Tokyo 1350064, Japan	10.1016/j.molcel.2019.03.033	https://doi.org/10.1016/j.molcel.2019.03.033	WOS:000447024910007	6	201911
Absorption cross-section spectroscopy of a single strong-coupling system between plasmon and molecular exciton resonance using a single silver nanoparticle dimer generating surface-enhanced resonant Raman scattering	PHYSICAL REVIEW B	99	235409	[Itoh, Tamitsake] Natl Inst Adv Ind Sci & Technol, Hith Res Inst, Nanobioanal Res Grp, Takamatsu, Kagawa 7610395, Japan; [Yamamoto, Yoko S.] Japan Adv Ind Sci & Technol, Natl Inst Sci, Nomi, Ishikawa 9231922, Japan; [Okamoto, Takayuki] RIKEN, Adv Device Lab, Wako, Saitama 3510198, Japan	10.1103/PhysRevB.99.235409	https://doi.org/10.1103/PhysRevB.99.235409	WOS:000447083600008	0	201911
Magnetic field-induced pair density wave state in the cuprate vortex halo	SCIENCE	364	976	[Edkins, S. D.; KOSTIN, A.; Fujita, K.; Lawler, Michael J.; Kim, E. -A.; Davis, J. C. Seamus; Hamidian, M. H.] Cornell Univ, Dept Phys, Lab Atom & Solid State Phys, Ithaca, NY 14853 USA; [Edkins, S. D.] Stanford Univ, Dept Appl Phys, Stanford, CA 94305 USA; [Edkins, S. D.; Mackenzie, A. P.] Univ St Andrews, Sch Phys & Astron, St Andrews KY16 9SS, Fife, Scotland; [Fujita, K.; Davis, J. C. Seamus] Brookhaven Natl Lab, Condensed Matter Phys Dept, Upton, NY 11973 USA; [Mackenzie, A. P.] Max Planck Inst Chem Phys Solids, D-01115 Berlin, Germany; [Eskaki, H.] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058658, Japan; [Uchida, S.] Univ Tokyo, Dept Phys, Bunkyo Ku, Tokyo 1130033, Japan; [Sachdev, Subir; Hamidian, M. H.] Harvard Univ, Phys, Cambridge, MA 02138 USA; [Lawler, Michael J.] Binghamton Univ, Dept Phys & Astron, Binghamton, NY 13902 USA; [Davis, J. C. Seamus] Univ Coll Cork, Dept Phys, Cork T12 RSC, Ireland; [Davis, J. C. Seamus] Univ Oxford, Clarendon Lab, Oxford OX1 3PU, England	10.1126/science.aaw1773	https://doi.org/10.1126/science.aaw1773	WOS:000447107600004	1	201911
Universal precursor of superconductivity in the cuprates	PHYSICAL REVIEW B	99	214602	[Yu, G.; Xia, D.-P.; Pelc, D.; Zhao, X.; Greven, M.] Univ Minnesota, Sch Phys & Astron, Minneapolis, MN 55455 USA; [Xia, D.-P.; Zhao, X.] Jilin Univ, Coll Chem, State Key Lab Inorgan Synth & Preparat Chem, Changchun 130012, Jilin, Peoples R China; [Pelc, D.; Barisic, N.] Univ Zagreb, Fac Sci, Dept Phys, Bijenicka Cesta 32, HR-10000 Zagreb, Croatia; [Hu, R.-H.] Westlake Inst Adv Study, Hangzhou 310024, Zhejiang, Peoples R China; [Haneko, N.-H.] Natl Inst Adv Ind Sci & Technol, Natl Inst Sci, Nomi, Ishikawa 9231922, Japan; [Sasagawa, T.] Tokyo Inst Technol, MSL, Yokohama, Kanagawa 2268503, Japan; [Li, Y.] Peking Univ, Inst Ctr Quantum Mat, Beijing 100871, Peoples R China; [Barisic, N.] TU Wien, Inst Solid State Phys, A-1040 Vienna, Austria; [Shekhter, A.] Los Alamos Natl Lab, Pulsed Field Facil, Natl High Magnet Field Lab, Los Alamos, NM 87545 USA; [Yu, G.] Univ Minnesota, Informt Inst, Minneapolis, MN 55455 USA; [Xia, D.-P.] Shenyang Pharmaceut Univ, Shenyang 110016, Liaoning, Peoples R China; [Shekhter, A.] Natl High Magnet Field Lab, Tallahassee, FL 32310 USA	10.1103/PhysRevB.99.214602	https://doi.org/10.1103/PhysRevB.99.214602	WOS:000447082690009	1	201911
Field emission spectroscopy measurements of graphene/n-type diamond heterojunction	APPLIED PHYSICS LETTERS	114	231601	[Yamada, Takashi] Natl Inst Adv Ind Sci & Technol, Nanomat Res Inst, 1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan; [Masuzawa, Tomoaki; Mimura, Hidenori] Shizuoka Univ, Elect Res Inst, Naka Ku, 3-5-1 Johoku, Hamamatsu, Shizuoka 4328561, Japan; [Okano, Ken] Int Christian Univ, Dept Mat Sci, 3-10-2 Osawa, Mitaka, Tokyo 1818585, Japan	10.1063/1.5094365	https://doi.org/10.1063/1.5094365	WOS:000447169610015	0	201911
Event Size Distribution of Shallow Tectonic Tremor in the Nankai Trough	GEOPHYSICAL RESEARCH LETTERS	46	5828	[Nakano, Masaru] Japan Agcy Marine Earth Sci & Technol, Res & Dev Ctr Earthquake & Tsunami, Yokohama, Kanagawa, Japan; [Yabe, Suguru] Japan Agcy Marine Earth Sci & Technol, Dept Solid Earth Geosch, Yokohama, Kanagawa, Japan; [Yabe, Suguru] Geol Survey Japan, Natl Inst Adv Ind Sci & Technol, AIST, Tsukuba, Ibaraki, Japan; [Sugioka, Hiroko] Kobe Univ, Grad Sch Sci, Dept Planetol, Kobe, Hyogo, Japan; [Shinozuka, Masanao] Univ Tokyo, Earthquake Res Inst, Tokyo, Japan; [Ide, Satoshi] Univ Tokyo, Dept Earth & Planetary Sci, Tokyo, Japan	10.1029/2019GL083029	https://doi.org/10.1029/2019GL083029	WOS:000447761620002	0	201911
Band structure of overdoped cuprate superconductors: Density functional theory matching experiments	PHYSICAL REVIEW B	99	224509	[Kramer, K. P.; Horio, M.; Tahirkan, S. S.; Hauser, K.; Matt, C. E.; Sutter, D.; Neupert, T.; Chang, J.] Univ Zurich, Phys Inst, Winterthurerstr 190, CH-8057 Zurich, Switzerland; [Sassa, Y.] Chalmers Univ Technol, Dept Phys, SE-41296 Gothenburg, Sweden; [Matt, C. E.; Ohkita, A.; Schroter, N. B. M.; Krieger, J. A.; Schmitt, T.; Strocov, V. N.; Plumb, N. C.; Shi, M.] Paul Scherrer Inst, Swiss Light Source, CH-5232 Villigen, Switzerland; [Krieger, J. A.] Paul Scherrer Inst, Lab Muon Spin Spect, CH-5232 Villigen, Switzerland; [Krieger, J. A.] Swiss Fed Inst Technol, Lab Festkorperphys, CH-8057 Zurich, Switzerland; [Pron, S.; Takayama, T.; Takagi, H.] Univ Tokyo, Dept Adv Mat, Kashihwa, Chiba 278561, Japan; [Adachi, T.] Sophia Univ, Dept Engn, Magi, Tokyo 126554, Japan; [Kondo, T.; Kawamura, T.; Kohike, Y.] Tohoku Univ, Dept Adv Phys, Sendai, Miyagi 9808579, Japan; [Kondo, T.] Univ Tokyo, ISSP, Kashihwa, Chiba 278581, Japan; [Lipscombe, O. L.; Hayden, S. M.] Univ Bristol, HH Wills Phys Lab, Bristol BS8 1TL, Avon, England; [Ishikado, M.] CROSS, Tokai, Ibaraki 3191106, Japan; [Eskaki, H.] Natl Inst Adv Ind Sci & Technol, Elect & Photon Res Inst, Tsukuba 3058568, Japan	10.1103/PhysRevB.99.224509	https://doi.org/10.1103/PhysRevB.99.224509	WOS:000447198290008	0	201911
Hanle spin precession in a two-terminal lateral spin valve	APPLIED PHYSICS LETTERS	114	242401	[Spieser, A.; Fujita, Y.; Saito, H.; Yuasa, S.; Jansen, R.] Natl Inst Adv Ind Sci & Technol, Spintron Res Ctr, Tsukuba, Ibaraki 3058568, Japan; [Yamada, S.; Hamaya, K.] Osaka Univ, Ctr Spintron Res Network, Grad Sch Engrg Sci, Toyonaka, Osaka 5608531, Japan	10.1063/1.5096448	https://doi.org/10.1063/1.5096448	WOS:000447299100020	1	201911
Brighter near-IR emission of single-walled carbon nanotubes modified with a cross-linked polymer coating	CHEMICAL COMMUNICATIONS	55	6854	[Nagai, Yukiko; Fujiyama, Tsuyohiko] Kyushu Univ, Dept Appl Chem, Grad Sch Engr, Nishi Ku, 744 Motooka, Fukuoka, Fukuoka 8190395, Japan; [Yudaska, Masako; Kataura, Hiromichi] Natl Inst Adv Ind Sci & Technol, Nanomat Res Inst, Higashi 1-1-1, Tsukuba, Ibaraki 3058565, Japan; [Fujiyama, Tsuyohiko] Kyushu Univ, Inst Int Carbon Neutral Energy Res WPI ICNER, Fukuoka, Fukuoka 8190395, Japan; [Fujiyama, Tsuyohiko] Kyushu Univ, CMS, Nishi Ku, 744 Motooka, Fukuoka, Fukuoka 8190395, Japan	10.1039/c9cc02712b	https://doi.org/10.1039/c9cc02712b	WOS:000447104220005	0	201911
Disipation-Assisted Coherence Formation in a Spinor Quantum Gas	PHYSICAL REVIEW LETTERS	122	245301	[Eto, Yuiro] Natl Inst Adv Ind Sci & Technol, NMJ, Tsukuba, Ibaraki 3058568, Japan; [Eto, Yuiro] JST, PRESTO, 4-1-8 Honcho, Kawaguchi, Saitama 3320021, Japan; [Shibayama, Hitoshi] Nihon Univ, Coll Ind Technol, Narashino, Chiba 2758576, Japan; [Shibata, Kosuke; Torii, Aki; Nabeta, Keita; Hirano, Takuya] Gakushuin Univ, Tokyo, Toshima, Tokyo 1718588, Japan; [Saito, Hiroki] Univ Electrocommun, Dept Engr Sci, Chofu, Tokyo 1828565, Japan	10.1103/PhysRevLett.122.245301	https://doi.org/10.1103/PhysRevLett.122.245301	WOS:000447303420011	0	201911
Tunnel spin polarization of Fe/MgO/Si contacts reaching 90% with increasing MgO thickness	PHYSICAL REVIEW B	99	224427	[Spieser, A.; Saito, H.; Yuasa, S.; Jansen, R.] Natl Inst Adv Ind Sci & Technol, Spintron Res Ctr, Tsukuba, Ibaraki 3058568, Japan	10.1103/PhysRevB.99.224427	https://doi.org/10.1103/PhysRevB.99.224427	WOS:000447301300004	1	201911
Machine learning in electronic-quantum-matter imaging experiments	NATURE	570	484	[Zhang, Y.; Mesaroos, A.; Edkins, S. D.; Davis, J. C. Seamus; Kim, Eun-Ah] Cornell Univ, Dept Phys, Ithaca, NY 14853 USA; [Mesaroos, A.] Univ Paris Sud, CNRS, Lab Phys Solides, Orsay, France; [Fujita, K.; Davis, J. C. Seamus] Brookhaven Natl Lab, Condensed Matter Phys & Mat Sci Dept, Upton, NY 11973 USA; [Edkins, S. D.] Stanford Univ, Dept Appl Phys, Stanford, CA 94305 USA; [Hamidian, M. H.] Harvard Univ, Dept Phys, Cambridge, MA 02138 USA; [Chng, K.; Khatami, Eshan] San Jose State Univ, Dept Phys & Astron, San Jose, CA 95192 USA; [Eskaki, H.; Uchida, S.] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki, Japan; [Uchida, S.] Univ Tokyo, Dept Phys, Tokyo, Japan; [Davis, J. C. Seamus] Univ Coll Cork, Dept Phys, Cork, Ireland; [Davis, J. C. Seamus] Univ Oxford, Clarendon Lab, Oxford, England	10.1038/s41586-019-1319-8	https://doi.org/10.1038/s41586-019-1319-8	WOS:000447286000043	5	201911
The 2016 M7 Kumamoto, Japan, Earthquake Slip Field Derived From a Joint Inversion of Differential Lidar Topography, Optical Correlation, and InSAR Surface Displacements	GEOPHYSICAL RESEARCH LETTERS	46	6341	[Scott, Charles; Ammend, Ramon] Arizona State Univ, Sch Earth & Space Explorat, Tempe, AZ 85281 USA; [Champanoi, Johann; Klingler, Yvan] Univ Phys Globe, Paris, France; [Klingler, Yvan] Univ Victoria, Sch Earth & Ocean Sci, Victoria, BC, Canada; [Maruyama, Tadashi] AIST, Geol Survey Japan, Tokyo, Japan; [Chiba, Tatsuro] Asia Air Geospatial Co, Kawasaki, Kanagawa, Japan	10.1029/2019GL082202	https://doi.org/10.1029/2019GL082202	WOS:000447761630002	1	201911
Construction and destruction of an autogenic grade system: The late Holocene Mekong River delta, Vietnam	GEOLOGY	47	669	[Wang, Junhui] China Univ Petr, State Key Lab Petr Resources & Prospecting, Beijing 102249, Peoples R China; [Wang, Junhui] China Univ Petr, Coll Geosci, Beijing 102249, Peoples R China; [Wang, Junhui; Muto, Tetsuji] Nagasaki Univ, Dept Environm Sci, Nagasaki 8528521, Japan; [Tamura, Toru] Natl Inst Adv Ind Sci & Technol, Geol Survey Japan, Ibaraki 3058567, Japan; [Tamura, Toru] Univ Tokyo, Grad Sch Frontier Sci, Chiba 278561, Japan	10.1130/G4587.2.1	https://doi.org/10.1130/G4587.2.1	WOS:0004472711900021	0	201911
Proton Chelating Ligands Drive Improved Chemical Separations for Rhodium	INORGANIC CHEMISTRY	58	8720	[Narita, Hirokazu; Ito, Fumiyo; Morisaku, Kazuko; Goto, Midori; Tanaka, Miho] Natl Inst Adv Ind Sci & Technol, Environm Management Res Inst, 16-1 Onogawa, Tsukuba, Ibaraki 3058569, Japan; [Nicolson, Rebecca M.; Low, Jason B.; Tisdler, Peter A.; Morrison, Carlie A.] Edinburgh, EaSCHeM Sch Chem, Kings Bldg, David Brewster Rd, Edinburgh EH9 3FJ, Midlothian, Scotland; [Motokawa, Ryoshe; Shinoku, Hideaki; Yaita, Tsuyoshi] Japan Atom Energy Agcy, Mat Sci Res Ctr, Tokai, Ibaraki 3191195, Japan; [Heller, William T.] Oak Ridge Natl Lab, Neutron Scattering Div, Oak Ridge, TN 37831 USA; [Gordon, Ross J.; Schofield, Emma R.] Johnson Matthey Technol Ctr, Reading RG4 9NH, Berks, England; [Antonio, Mark R.] Argonne Natl Lab, Chem Sci & Engrg Div, 9700 South Cass Ave, Lemont, IL 60439 USA	10.1021/acs.inorgchem.9b001136	https://doi.org/10.1021/acs.inorgchem.9b001136	WOS:0004474471080053	0	201911
Cooperative Catalysis of an Alcohol Dehydrogenase and Rhodium-Modified Periodic Mesoporous Organosilica	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	58	9150	[Himiya, Tomoki; Waki, Minoru; Maegawa, Yoshifumi; Inagaki, Shinji] Toyota Cent Res & Dev Labs Inc, Nagakute, Aichi 4801192, Japan; [Himiya, Tomoki] Natl Inst Adv Ind Sci & Technol, Ikeda, Osaka 5638577, Japan	10.1002/anie.201904116	https://doi.org/10.1002/anie.201904116	WOS:000447669120032	0	201911
Rod-Scale Design Strategies for Immune-Targeted Delivery System toward Cancer Immunotherapy	ACS NANO	13	7705	[Wang, Xueping; Li, Xia; Ito, Atsuo; Soga, Yu] Natl Inst Adv Ind Sci & Technol, Dept Life Sci & Biotechnol, Hith Res Inst, Cent 6.1-1-1 Higashi, Tsukuba, Ibaraki 3058566, Japan; [Ihara, Shoji; Yamazaki, Atsushi] Waseda Univ, Dept Resources & Environm Engr, Shinjuku Ku, Tokyo 1695555, Japan; [Tsuji, Noriko M.] Natl Inst Adv Ind Sci & Technol, Dept Life Sci & Biotechnol, Biomed Res Inst, Cent 6.1-1-1 Higashi, Tsukuba, Ibaraki 3058566, Japan; [Ono, Tadao] Nippon Dent Univ Tokyo, Sch Life Dent Tokyo, Tokyo 1000071, Japan	10.1021/acsnano.9b001271	https://doi.org/10.1021/acsnano.9b001271	WOS:000447778640034	0	201911

Biothiol-Activatable Bioluminescent Coelenterazine Derivative for Molecular Imaging in Vitro and in Vivo	ANALYTICAL CHEMISTRY	91	9546	[Nomura, Nanako; Nishihara, Ryo; Iwasawa, Naoko; Hiruta, Yuki; Citterio, Daniel; Suzuki, Koji] Keio Univ, Dept Appl Chem, Kohoku Ku, 3-14-1 Hyoshi, Yokohama, Kanagawa, Japan; [Nishiyama, Shigeru] Keio Univ, Dept Chem, Kohoku Ku, 3-14-1 Hyoshi, Yokohama, Kanagawa, Japan; [Nakajima, Takahiro; Sato, Moritoshi] Univ Tokyo, Grad Sch Arts & Sci, Meguro Ku, 3-8-1 Komaba, Tokyo, Japan; [Kim, Sung Bae] Natl Inst Adv Ind Sci & Technol, 1-1-1 Umezono, Tsukuba, Ibaraki 3058658, Japan	10.1021/acs.alchem.9b00694	https://doi.org/10.1021/acs.alchem.9b00694	WOS:000480493200034	0	201911
Transport Properties of Fe/As2Se3 Nanolayer Superlattice Fabricated Using Rotational Evaporation	ADVANCED FUNCTIONAL MATERIALS	0	1904758	[Jahn, Joshua D.; Miyachi, Norihiro; Enomoto, Kunitaka; Dohai, Jun; Saito, Ichitane; Okano, Ken] Nat Christian Univ, Dept Phys, 3-10-2 Osawa, Mitaka, Tokyo 1818585, Japan; [Okano, Shun; Shima, Akiyoshi; Selyshev, Oleksandr; Rahaman, Mahfuzur; Zaher, Dietrich R. T.] Tech Univ Chemnitz, Semicond Phys, D-09107 Chemnitz, Germany; [Masuzawa, Tomoko] Shizuoka Univ, Res Inst Elect, Naka Ku, 3-5-1 Johoku, Hamamatsu, Shizuoka 4220011, Japan; [Yamada, Takatoshi] Natl Inst Adv Ind Sci & Technol, Nanomat Res Inst, 1-1-1 Higashi, Tsukuba, Ibaraki 3058655, Japan; [Chua, Daniel H. C.] Natl Univ Singapore, Dept Mat Sci & Engn, 9 Engn Dr, Singapore 119077, Singapore	10.1002/adfm.201904758	https://doi.org/10.1002/adfm.201904758	WOS:0004814019750001	0	201911
Ab initio approach to lattice softening of an Al slab driven by collective electronic excitations after ultrashort laser pulse irradiation	PHYSICAL REVIEW B	100	85417	[Katow, Hiroki; Miyamoto, Yoshiyuki] Natl Inst Adv Ind Sci & Technol, Res Ctr Computat Design Adv Funct Mat, Cent 2, Tsukuba, Ibaraki 3058568, Japan	10.1103/PhysRevB.100.085417	https://doi.org/10.1103/PhysRevB.100.085417	WOS:0004803819100009	0	201911
High frequency voltage-induced ferromagnetic resonance in magnetic tunnel junctions	APPLIED PHYSICS LETTERS	115	72401	[Skowronski, Witold; Lasaraki, Stanislaw; Mojsiewicz, Jakub; Chencinski, Jakub; Frankowski, Marek] AGH Univ Sci & Technol, Dept Elect, Al Mickiewicza 30, PL-30059 Krakow, Poland; [Nozaki, Takayuki; Yakushiji, Kay; Yuasa, Shinji] Spintoron Res Ctr, Natl Inst Adv Ind Sci & Technol AIST, Tsukuba, Ibaraki 3058568, Japan	10.1063/1.51131681	https://doi.org/10.1063/1.51131681	WOS:000481469900047	0	201911
An Unprecedented Cyclization Mechanism in the Biosynthesis of Carbazole Alkaloids in Streptomyces	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	0	9VALUE1	[Kobayashi, Masaya; Tomita, Takeo; Shin-ya, Kazuo; Nishiyama, Makoto] Univ Tokyo, Biotechnol Res Ctr, Bunkyo Ku, 1-1-1 Yayoi, Tokyo 1138557, Japan; [Tomita, Takeo; Nishiyama, Makoto; Kuzuyama, Tomohisa] Univ Tokyo, Collaborat Res Inst Innovat Microbiol, Bunkyo Ku, 1-1-1 Yayoi, Tokyo 1138557, Japan; [Shin-ya, Kazuo] Natl Inst Adv Ind Sci & Technol, Koto Ku, 2-4-7 Aomi, Tokyo 1300064, Japan; [Kuzuyama, Tomohisa] Univ Tokyo, Grad Sch Agr & Life Sci, Bunkyo Ku, 1-1-1 Yayoi, Tokyo 1138557, Japan	10.1002/anie.201906864	https://doi.org/10.1002/anie.201906864	WOS:000480709500001	0	201911
Negative photostatic behavior of crystals on a glass surface	CHEMICAL COMMUNICATIONS	55	9303	[Saito, Koichiro; Ohnuma, Mio; Norikane, Yasuo] Natl Inst Adv Ind Sci & Technol, Elect & Photon Res Inst, Higashi 1-1-1, Tsukuba, Ibaraki 3058565, Japan	10.1039/c9cc03826d	https://doi.org/10.1039/c9cc03826d	WOS:0004778612600009	0	201911
PiNO/NHPI-mediated selective oxidation of cycloalkenes to cycloalkenones via a photo-electrochemical method	CHEMICAL COMMUNICATIONS	55	9339	[Tateno, Hiroyuki; Miseki, Yugo; Sayama, Kazuhiko] Natl Inst Adv Ind Sci & Technol, Adv Funct Mat Team, Res Ctr Photovolta RCPV, Cent 5.1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan	10.1039/c9cc03540k	https://doi.org/10.1039/c9cc03540k	WOS:0004778612600018	0	201911
Dating of tsunami boulders from Ishigaki Island, Japan, with a modified viscous remnant magnetization approach	EARTH AND PLANETARY SCIENCE LETTERS	520	94	[Sato, Tetsuro] Univ Tokyo, Atmospher & Ocean Res Inst, 5-1-5 Kashiwanoha, Kashiwa, Chiba 2778564, Japan; [Sato, Tetsuro; Zhao, Xiang; Heslop, David; Roberts, Andrew P.] Natl Inst Adv Ind Sci & Technol, Geol Survey Japan, Tsukuba, Ibaraki 3058567, Japan; [Nakamura, Norihito] Tohoku Univ, Inst Excellence Higher Educ, Aoba Ku, 41 Kawuchi, Sendai, Miyagi 9808576, Japan; [Goto, Kazuhisa] Tohoku Univ, Int Res Inst Disaster Sci, Aoba Ku, 68-1 Aoba, Sendai, Miyagi 9808045, Japan; [Kumagai, Yuhio; Nagahama, Hiroyuki; Minoura, Koji] Tohoku Univ, Dept Earth Sci, Aoba Ku, 6-3 Aoba, Sendai, Miyagi 9808578, Japan; [Zhao, Xiang; Heslop, David; Roberts, Andrew P.] Australian Natl Univ, Res Sch Earth Sci, Canberra, ACT 2601, Australia	10.1016/j.epsl.2019.05.028	https://doi.org/10.1016/j.epsl.2019.05.028	WOS:000474502200011	0	201911
Effect of spin transition of iron on the thermal conductivity of (Fe, Al)-bearing bridgmanite	EARTH AND PLANETARY SCIENCE LETTERS	520	188	[Okuda, Yoshiyuki; Ohta, Kenji] Tokei Inst Technol, Dept Earth & Planetary Sci, Meguro Ku, Tokyo 1285551, Japan; [Sinnmyo, Ryosuke; Hirose, Kei] Univ Tokyo, Dept Earth & Planetary Sci, Bunkyo Ku, 7-3-1 Hongo, Tokyo 1130033, Japan; [Hirose, Kei] Tokyo Inst Technol, Earth Life Sci Inst, Meguro Ku, Tokyo 1285551, Japan; [Yagi, Takashi] Natl Inst Adv Ind Sci & Technol, Natl Metrol Inst Japan, Tsukuba, Ibaraki 3058563, Japan; [Ohishi, Yasuo] Japan Synchrotron Radiat Res Inst, Sayo, Hyogo 6795198, Japan	10.1016/j.epsl.2019.05.042	https://doi.org/10.1016/j.epsl.2019.05.042	WOS:000474502200019	0	201911
Site-Selective Doping and Site-Sensitive Photoluminescence of Eu3+ and Tb3+ in Perovskite-Type LaLuO3	INORGANIC CHEMISTRY	58	10890	[Ueda, Kazuhige; Tanaka, Syuto; Yoshino, Takuma] Kyushu Inst Technol, Grad Sch Engrg, Dept Mat Sci, 1-1 Sensui, Kitakyushu, Fukuoka 8048550, Japan; [Shimizu, Yuhei] Natl Inst Adv Ind Sci & Technol, NMIJ, 1-1 Umezono, Tsukuba, Ibaraki 3058563, Japan; [Honma, Tetsuo] Japan Synchrotron Radiat Res Inst, 1-1-1 Kouto, Sayo, Hyogo 6795198, Japan	10.1021/acs.inorgchem.9b01273	https://doi.org/10.1021/acs.inorgchem.9b01273	WOS:0004842173300052	0	201911
Sequencing of Sulfopeptides Using Negative-Ion Tandem Mass Spectrometry with Hydrogen Attachment/Abstraction Dissociation	ANALYTICAL CHEMISTRY	91	10549	[Asakawa, Daiki] Natl Inst Adv Ind Sci & Technol, Natl Metrol Inst Japan, Tsukuba Cent 2, 1-1-1 Umezono, Tsukuba, Ibaraki 3058568, Japan; [Takahashi, Hidenori; Sakai, Seidai; Iwamoto, Shiroshi; Tanaka, Koichi] Shimadzu Co Ltd, Kaichi Tanaka Mass Spectrometry Res Lab, Nakagyo Ku, 1 Nishikijou Kuwabaracho, Kyoto 6048511, Japan	10.1021/acs.alchem.9b01568	https://doi.org/10.1021/acs.alchem.9b01568	WOS:0004825430030030	0	201911
Quantitative Measurements of Intercellular Adhesion Strengths between Cancer Cells with Different Malignancies Using Atomic Force Microscopy	ANALYTICAL CHEMISTRY	91	10557	[Kim, Hyeonho; Ishibashi, Kenta; Okada, Tomoko; Nakamura, Chikashi] Natl Inst Adv Ind Sci & Technol, Biomed Res Inst, 1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan; [Kim, Hyeonho; Ishibashi, Kenta; Okada, Tomoko; Nakamura, Chikashi] Tokyo Univ Agr & Technol, Grad Sch Engrg, 2-24-15 Nakamachi, Koganei, Tokyo 1848588, Japan; [Matsuo, Kosuke; Kira, Atsushi] Japan Asiat Elect Ind Ltd, Prod Dev Ctr, 3-1-1 Musashino, Akishima, Tokyo 1668555, Japan	10.1021/acs.alchem.9b01569	https://doi.org/10.1021/acs.alchem.9b01569	WOS:0004825430030031	0	201911
Highly porous alpha-alumina powders prepared with the self-assembly of an asymmetric PS-b-PEO diblock copolymer	CHEMICAL COMMUNICATIONS	55	10003	[Kimura, Tatsuo; Maruoka, Hirokazu] Natl Inst Adv Ind Sci & Technol, Moriama Ku, Nagoya, Aichi 4638560, Japan	10.1039/c9cc04703a	https://doi.org/10.1039/c9cc04703a	WOS:0004815269000021	0	201911
Ultra-long coherence times amongst room-temperature solid-state spins	NATURE COMMUNICATIONS	10	3766	[Herbstlehl, E. D.; Maruyama, Y.; Danjo, T.; Ohki, I.; Hayashi, K.; Morishita, H.; Fujiwara, M.; Mizuuchi, N.] Kyoto Univ, Inst Chem Res, Uji, Kyoto 6110011, Japan; [Kato, H.; Makino, T.; Yamasaki, S.] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058568, Japan	10.1038/s41467-019-11776-8	https://doi.org/10.1038/s41467-019-11776-8	WOS:000482888200001	0	201911
Efficient molecular doping of polymeric semiconductor driven by anion exchange	NATURE	572	634	[Yamashita, Yu; Tsunomi, Junto; Ohno, Masahiro; Fujimoto, Ryo; Kumagai, Shohei; Kurosawa, Tadanori; Okamoto, Toshihiro; Takeya, Jun; Watanabe, Shun] Univ Tokyo, MIRC, Kashiwa, Chiba, Japan; [Yamashita, Yu; Tsunomi, Junto; Ohno, Masahiro; Fujimoto, Ryo; Kumagai, Shohei; Kurosawa, Tadanori; Okamoto, Toshihiro; Takeya, Jun; Watanabe, Shun] Univ Tokyo, Dept Adv Mat Sci, Grad Sch Frontier Sci, Kashiwa, Chiba, Japan; [Yamashita, Yu; Tsunomi, Junto; Takeya, Jun] NIMS, Int Ctr Mat Nanoarchitecture WPI MANA, Tsukuba, Ibaraki, Japan; [Okamoto, Toshihiro; Takeya, Jun; Watanabe, Shun] Natl Inst Adv Ind Sci & Technol, AIST UTokyo Adv Operandomeasurement Technol Open, Kashiwa, Chiba, Japan; [Okamoto, Toshihiro; Watanabe, Shun] Japan Sci & Technol Agency JST, Precursory Res Embryon Sci & Technol PRESTO, Kawaguchi, Saitama, Japan	10.1038/s41586-019-1504-9	https://doi.org/10.1038/s41586-019-1504-9	WOS:0004834030500049	0	201911
Mechanistic Insight into Synergistic Catalysis of Olefin Hydrogenation by a Hetero-Dinuclear Ru-II-Co-II Complex with Adjacent Reaction Sites	INORGANIC CHEMISTRY	58	11284	[Hong, Daehee; Ohgomi, Yuji; Shimoyama, Yoshihiro; Kon, Yoshitoki] Natl Inst Adv Ind Sci & Technol, Interdisciplinary Res Ctr Catalytic Chem, 1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan; [Kotani, Hiroaki; Ishizuka, Tomoya; Kojima, Takahiko] Natl Inst Adv Ind Sci & Technol, Fac Pure & Appl Sci, CREST Japan Sci & Technol Agency JST, 1-1-1 Tennohda, Tsukuba, Ibaraki 3058571, Japan	10.1021/acs.inorgchem.9b02104	https://doi.org/10.1021/acs.inorgchem.9b02104	WOS:0004848065600004	0	201911
Kinetics and Mechanism of Intramolecular Electron Transfer in Ru(II)-Re(I) Supramolecular CO2-Reduction Photocatalysts: Effects of Bridging Ligands	INORGANIC CHEMISTRY	58	11480	[Yamazaki, Yasuhiro; Okubo, Ken; Saito, Daiki; Yatsu, Takii; Tamaki, Yusuke; Tanaka, Sei'ichi; Ishitani, Osamu] Tokyo Inst Technol, Dept Chem, Meguro Ku, Ookayama 2-12-1 NE-1, Tokyo 1528550, Japan; [Koike, Kazuhide] Natl Inst Adv Ind Sci & Technol, 16-1 Onogawa, Tsukuba, Ibaraki 3058569, Japan; [Onda, Ken] Kyushu Univ, Dept Chem, Nishi Ku, 744 Motooka, Fukuoka, Fukuoka 8190395, Japan; [Yamazaki, Yasuhiro] Seikei Univ, Fac Sci & Technol, Dept Mat & Life Sci, 3-3-1 Kichijoji Kitana Ch, Musashino, Tokyo 1808633, Japan	10.1021/acs.inorgchem.9b01256	https://doi.org/10.1021/acs.inorgchem.9b01256	WOS:0004848065600023	0	201911
Towards controllable inner chirality in double-walled carbon nanotubes	APPLIED PHYSICS LETTERS	115	103102	[Chimborazo, Johnny; Pothier, Thomas; Shi, Lai; Ayala, Paolo] Univ Vienna, Fac Phys, Boltzmanngasse 5, A-1090 Vienna, Austria; [Saito, Takayuki] Natl Inst Adv Ind Sci & Technol, Nanomat Res Inst, Tsukuba, Ibaraki 3058565, Japan; [Shi, Lei] Sun Yat Sen Univ, Sch Mat Sci & Engrg, Guangzhou 510275, Guangdong, Peoples R China	10.1063/1.5095679	https://doi.org/10.1063/1.5095679	WOS:0004848671000001	0	201911
Closed-loop cycles of experiment design, execution, and learning accelerate systems biology model development in yeast	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	116	18142	[Coutant, Anthony; Bouthinon, Dominique; Santini, Guillaume; Soldano, Henry; Rouveirel, Céline] Univ Paris 13, CNRS, UMR 7030, Le Lab Informat Paris Nord LIPN, F-93430 Villeneuve-la-Garenne, France; [Roper, Katherine; Carpenter, Martin] Univ Manchester, Manchester Inst Biotechnol, Manchester M1 7DN, Lancs, England; [Roper, Katherine; Carpenter, Martin] Univ Manchester, Sch Comp Sci, Manchester M13 9PL, Lancs, England; [Trejo-Banos, Daniel; Elati, Mohamed] Univ Paris Saclay, CNRS, UMR8030, Inst Syst & Synthet Biol ISSB, F-91030 Evry, France; [Grozetya, Jacek] Univ Brunel, Dept Comp Sci, London UB8 3PH, England; [Soldano, Henry] Sorbonne Univ, CNRS, UMR 7205, Museum Natl Hist Natl Inst Systatol Evolut Biol, F-75005 Paris, France; [Elati, Mohamed] Life Univ, INSGRA, UMR, F-59655 Villeneuve d'Ascq, France; [Ramon, Jan] Inst Natl Rech Sci Numer INRIA, Life Nord Europe, F-59650 Lille, France; [Soldato, Larisa N.] Goldsmiths Univ London, Dept Comp, London SE14 6NW, England; [King, Ross D.] Alan Turing Inst, London NW1 2DB, England; [King, Ross D.] Natl Inst Adv Ind Sci & Technol, Artificial Intelligence Res Ctr, Koto Ku, Tokyo 1300044, Japan	10.1073/pnas.1905481116	https://doi.org/10.1073/pnas.1905481116	WOS:000485143000078	0	201911
Lectin Bead Array in a Single Tip Facilitates Fully Automatic Glycoprotein Profiling	ANALYTICAL CHEMISTRY	91	11162	[Shimazaki, Hiroko; Sato, Kozue; Matsuda, Atsushi; Kaji, Hiroyuki; Kuno, Atsushi] Natl Inst Adv Ind Sci & Technol, Biotechnol Res Inst Drug Discovery, GlycoSci & Glycochem Res Grp, Tsukuba, Ibaraki 3058568, Japan; [Sawasaki, Kazumi; Kaji, Minoru; Segawa, Osamu; Miyashita, Yukiko; Ueda, Tetsuya; Koizuka, Michihiro; Nakamura, Kazuhiko; Tajima, Hideo] Precis Syst Co, Matsudo, Chiba 2710064, Japan	10.1021/acs.alchem.9b01876	https://doi.org/10.1021/acs.alchem.9b01876	WOS:0004848454800035	0	201911
Anisotropy of dodecahedral water cages for guest gas occupancy in semicrystalline hydrates	CHEMICAL COMMUNICATIONS	55	10150	[Yuhara, Daikoku; Yasuoka, Kenji] Keio Univ, Dept Mech Engrg, Yokohama, Kanagawa 2238522, Japan; [Yuhara, Daikoku; Murohachi, Sanehiro] Natl Inst Adv Ind Sci & Technol, Res Inst Engrg Frontier, 1-6-1 Onogawa, Tsukuba, Ibaraki 3058569, Japan; [Takeya, Satoshi] Natl Inst Adv Ind Sci & Technol, NMIJ, Tsukuba Cent 5, 1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan	10.1039/c9cc05094a	https://doi.org/10.1039/c9cc05094a	WOS:0004818257000023	0	201911
Lifshitz-Transition-Driven Metal-Insulator Transition in Moderately Spin-Orbit-Coupled S2-xVxRuO4	PHYSICAL REVIEW LETTERS	123	106401	[Kwon, Junyoung; Kim, Minsoo; Song, Dongjoon; Kyung, Wonshik; Kim, Changyoung] Inst for Basic Sci Korea, Ctr Correlated Electron Syst, Seoul 08826, South Korea; [Kwon, Junyoung; Kim, Minsoo; Kim, Changyoung] Seoul Natl Univ, Dept Phys & Astron, Seoul 08826, South Korea; [Song, Dongjoon; Yoshida, Yoshiyuki] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058568, Japan; [Denlinger, Jonathan; Kyung, Wonshik] Lawrence Berkeley Natl Lab, Adv Light Source, Berkeley, CA 94720 USA	10.1103/PhysRevLett.123.106401	https://doi.org/10.1103/PhysRevLett.123.106401	WOS:000483807800002	0	201911
Light-induced nonequilibrium response of the superconducting cuprate La2-xSrxCuO4	PHYSICAL REVIEW B	100	104507	[Niwa, Hiroaki; Yoshikawa, Naotsuka; Tomari, Kaito; Shimano, Ryo] Univ Tokyo, Dept Phys, Hongo, Tokyo 1130033, Japan; [Matsunaga, Ryusuke] Univ Tokyo, Laser & Synchrotron Res Ctr, Inst Solid State Phys, 5-1-5 Kashiwanoha, Kashiwa, Chiba 2778581, Japan; [Song, Dongjoon; Elaski, Hiroshi] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058568, Japan; [Shimano, Ryo] Univ Tokyo, Cryogen Res Ctr, Yayoi, Tokyo 1130032, Japan	10.1103/PhysRevB.100.104507	https://doi.org/10.1103/PhysRevB.100.104507	WOS:000483936000008	0	201911
Highly dispersive magnons with spin-gap-like features in the frustrated ferromagnetic S=1/2 chain compound CaZr2Cu5O10 detected by inelastic neutron scattering	PHYSICAL REVIEW B	100	104415	[Matsuda, M.; Ma, J.; Garlie, V. O.] Oak Ridge Natl Lab, Neutron Scattering Div, P0B 2009, Oak Ridge, TN 37831 USA; [Ito, T.; Yamaguchi, H.; Oka, K.] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058562, Japan; [Drechsler, S.-L.; Yadav, R.; Hozoi, L.; Nishimoto, S.] IFW Dresden, Inst Theoret Solid State Phys, Helmholtzstr 20, D-01069 Dresden, Germany; [Rosner, H.] Max Planck Inst Chem Phys, Nothelitzer Str 40, D-01187 Dresden, Germany; [Schumann, R.] Tech Univ Dresden, Dept Phys, Inst Theoret Phys, Zelleacher Weg 17, D-1062 Dresden, Germany; [Kuzian, R. O.] NASU, Inst Problems Mat Sci, Krzhizhanovskogo 3, UA-03180 Kiev, Ukraine; [Kuzian, R. O.] DIPK, Paseo Manuel de Lardizabal 4, San Sebastian 20018, Basque Country, Spain; [Nishimoto, S.] Tech Univ Dresden, Dept Phys, Inst Theoret Phys, Mommsenstr. D-01069 Dresden, Germany; [Ma, J.] Shanghai Jiao Tong Univ, Dept Phys & Astron, Shanghai 200240, Peoples R China	10.1103/PhysRevB.100.104415	https://doi.org/10.1103/PhysRevB.100.104415	WOS:000485318000003	0	201911
Position and momentum mapping of vibrations in graphene nanostructures	NATURE	573	247	[Senga, Ryosuke; Suenaga, Kazuo] Natl Inst Adv Ind Sci & Technol, Nanomat Res Inst, Tsukuba, Ibaraki, Japan; [Barone, Paolo] Univ G D'Annunzio, SPIN CNR, Chieti, Italy; [Morishita, Shigeyuki] JEDOL Ltd, EM Res & Dev Dept, Akishima, Tokyo, Japan; [Mauri, Francesco] Univ Roma La Sapienza, Dipartimento Fis, Rome, Italy; [Mauri, Francesco] Fdn Ist Italiano Technol, Graphene Labs, Genoa, Italy; [Pichler, Thomas] Univ Vienna, Fac Phys, Vienna, Austria	10.1038/s41586-019-1477-8	https://doi.org/10.1038/s41586-019-1477-8	WOS:000485415400052	0	201911
A Bayesian Approach to Microtremor Array Methods for Estimating Shallow S-Wave Velocity Structures: Identifying Structural Singularities	JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH	124	527	[Cho, Ikuro] AIST, Geol Survey Japan, Tsukuba, Ibaraki, Japan; [Iwata, Takaki] Tokai Univ, Ctr Community Dev, Mito, Ibaraki, Japan; [Iwata, Takaki] Inst Stat Math, Tokyo, Japan	10.1029/2018J015831	https://doi.org/10.1029/2018J015831	WOS:000455975900027	0	201911
Reservoir computing with the frequency, phase, and amplitude of spin-torque nano-oscillators	APPLIED PHYSICS LETTERS	114	12409	[Markovic, D.; Leroux, N.; Riou, M.; Torreggio, J.; Treastoy, J.; Bertolotti, P.; Grollier, J.] Univ Paris Saclay, Univ Paris Sud, CNRS, Thales, Unite Mixte Phys, F-91197 Palaiseau, France; [Araujo, F. Abreu] UCLouvain, Inst Condensed Matter & Nanosci, Pi Croix Sud 1, B-1348 Louvain La Neuve, Belgium; [Querfz, D.] Univ Paris Saclay, Univ Paris Sud, CNRS, Ctr Nanosci & Nanotechnol, F-91405 Orsay, France; [Fukushima, A.; Yuasa, S.] Natl Inst Adv Ind Sci & Technol, Spintoron Res Ctr, Tsukuba, Ibaraki 3058568, Japan	10.1063/1.5079305	https://doi.org/10.1063/1.5079305	WOS:000455893000027	0	201911
Brownian motion of skyrmion bubbles and its control by voltage applications	APPLIED PHYSICS LETTERS	114	12402	[Nozaki, Takayuki; Nozaki, Tomohiro; Kubota, Hiroshi; Fukushima, Aoki; Yuasa, Shinji; Suzuki, Yoshihige] Natl Inst Adv Ind Sci & Technol, Spintoron Res Ctr, Tsukuba, Ibaraki 3058568, Japan; [Ibiki, Yuma; Goto, Minoru; Tamura, Eiji; Suzuki, Yoshihige] Osaka Univ, Grad Sch Engrg Sci, Toyonaka, Osaka 5650831, Japan	10.1063/1.5070101	https://doi.org/10.1063/1.5070101	WOS:000455893000020	6	201911
Increase in the piezoelectric response of scandium-doped gallium nitride thin films sputtered using a metal interlayer for piezo MEMS	APPLIED PHYSICS LETTERS	114	12902	[Uehara, Masato; Yamada, Hiroshi; Akiyama, Morito] Natl Inst Adv Ind Sci & Technol, Adv Mfg Res Inst, 807-1 Shika, Maebashi, Toei, Saga 8410052, Japan; [Uehara, Masato; Yamada, Hiroshi; Akiyama, Morito] Natl Inst Adv Ind Sci & Technol, NMIJ, Tsukuba, Ibaraki, Japan; [Kawaguchi, Miki] Natl Inst Adv Ind Sci & Technol, NMIJ, Tsukuba, Ibaraki, Japan; [Mizuno, Takashi; Aida, Yasuhiro; Umeda, Keiichi] Murata Mfg Co Ltd, 1-10-1 Higashikurita, Kyoto 6178555, Japan	10.1063/1.5066613	https://doi.org/10.1063/1.5066613	WOS:000455893000031	1	201911
Demonstration of vector magnetic field sensing by simultaneous control of nitrogen-vacancy centers in diamond using multi-frequency microwave pulses	APPLIED PHYSICS LETTERS	114	22404	[Yahata, Ken; Ishi-Hayase, Junkei] Keio Univ, Sci Fundamental Sci & Technol, Kohoku Ku, 3-14-1 Hyoshi, Yokohama, Kanagawa 2238522, Japan; [Matsuzaki, Yuichiro; Saito, Shiro] NTT Corp, NTT Basic Res Labs, 3-1 Morinosato Wakamaya, Atsugi, Kanagawa 2430198, Japan; [Watanabe, Hideyuki] Natl Inst Adv Ind Sci & Technol, Elect & Photon Res Inst, Correlated Elect Grp, Tsukuba Cent 5.1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan	10.1063/1.5079925	https://doi.org/10.1063/1.5079925	WOS:0004562638000015	2	201911
Molecular basis of wax-based color change and UV reflection in dragonflies	ELIFE	8	9VALUE1	[Fukushima, Ryo; Okada, Genta] Natl Inst Adv Ind Sci & Technol, Biomed Res Inst, Tsukuba, Ibaraki, Japan; [Yamashita, Yumi; Harima, Takahiko] Hamamatsu Univ, Dept Biol, Sch Med, Shizuoka, Japan; [Kawaguchi, Miki] Natl Inst Adv Ind Sci & Technol, NMIJ, Tsukuba, Ibaraki, Japan; [Mori, Naoki] Kyoto Univ, Grad Sch Agr, Div Appl Life Sci, Kyoto, Japan; [Ishii, Daikoku] Nagoya Inst Technol, Grad Sch Engrg, Dept Life Sci & Appl Chem, Nagoya, Aichi, Japan; [Okada, Genta; Fukushima, Takema] Univ Tokyo, Grad Sch Sci, Dept Biol Sci, Tokyo, Japan; [Hirai, Yuki] Chitose Inst Sci & Technol, Appl Chem & Biosci, Chitose, Japan; [Kawahara-Miki, Ryosuke; Yajima, Shunsuke] Tokyo Univ Agr, NODAI Genome Res Ctr, Tokyo, Japan; [Yoshitake, Kazutoshi] Univ Tokyo, Grad Sch Agr & Life Sci, Lab Aquat Mol Biol & Biotechnol, Tokyo, Japan; [Yajima, Shunsuke] Tokyo Univ Agr, Dept Biosci, Tokyo, Japan; [Fukutsu, Takema] Univ Tsukuba, Grad Sch Life & Environm Sci, Tsukuba, Ibaraki, Japan	10.7554/elife.43045	https://doi.org/10.7554/elife.43045	WOS:000455741800001	0	201911

Seafloor Crustal Deformation on Ocean Bottom Pressure Records With Nontidal Variability Corrections: Application to Hikurangi Margin, New Zealand	GEOPHYSICAL RESEARCH LETTERS	46	303	[Muramoto, Tomoyo; Ito, Yoshihiro] Kyoto Univ, Res Ctr Earthquake Predict, Disaster Prevent Res Inst, Uji, Japan; [Muramoto, Tomoyo] Natl Inst Adv Ind Sci & Technol, Natl Metal Inst Japan, Tsukuba, Ibaraki, Japan; [Inazu, Daisuke] Tokyo Univ Marine Sci & Technol, Dept Marine Resource & Energy, Tokyo, Japan; [Wallace, Laura M.; Henrys, Stuart] GNS Sci, Lower Hutt, New Zealand; [Wallace, Laura M.] Univ Texas Austin, Inst Geophy, Austin, TX, USA; [Hino, Yuki; Suzuki, Syuichi] Tohoku Univ, Grad Sch Sci, Sendai, Miyagi, Japan; [Webb, Spahr C.] Columbia Univ, Lamont Doherty Earth Observ, Palisades, NY, USA	10.1029/20180L08030	https://doi.org/10.1029/2018GL08030	WOS:000456938600033	0	201911
An immuno-potentiating vehicle made of mesoporous silica-zinc oxide micro-rosesets with enhanced doxorubicin loading for combined chemioimmunotherapy	CHEMICAL COMMUNICATIONS	55	961	[Qian, Guowen; Ye, Jiandong] South China Univ Technol, Sch Mat Sci & Engr, Guangzhou 510641, Guangdong, Peoples R China; [Qian, Guowen; Wang, Xueping; Li, Xie; Ito, Atsuo; Sogo, Yu] Natl Inst Adv Ind Sci & Technol, Dept Life Sci & Biotechnol, Hith Res Inst, Cent 6.1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan; [Qian, Guowen; Ye, Jiandong] Natl Engn Res Ctr Tissue Restorat & Reconstruct, Guangzhou 510006, Guangdong, Peoples R China	10.1039/c8cc90444	https://doi.org/10.1039/c8cc90444	WOS:000457296200014	0	201911
A high voltage honeycomb layered cathode framework for rechargeable potassium-ion battery: P2-type K2/3Ni1/3Co1/3Te1/3O2	CHEMICAL COMMUNICATIONS	55	985	[Massee, Titus; Yoshi, Kazuki; Kato, Minami; Senoh, Hiroshi; Shikano, Masahiro] Natl Inst Adv Ind Sci & Technol, Environm & Energy Dept, Res Inst Electrochem Energy RICEEN, 1-8-31 Midorigaoka, Ikeda, Osaka 5638577, Japan; [Kubota, Keigo] Kyoto Univ, AIST, Chem Energy Mat Open Innovat Lab ChEM OIL, Sakyo Ku, Kyoto 6068501, Japan; [Huang, Zhen-Dong] NUPIT, Key Lab Organ Elect & Informat Displays, Nanjing 210023, Jiangsu, Peoples R China; [Huang, Zhen-Dong] NUPIT, IAS, Nanjing 210023, Jiangsu, Peoples R China	10.1039/c8cc97239f	https://doi.org/10.1039/c8cc97239f	WOS:000457296200020	4	201911
Thermoelectric Properties and Electronic Structures of Cu2TeS4 Thiospinel and Its Derivatives: Structural Design for Spinel-Related Thermoelectric Materials	INORGANIC CHEMISTRY	58	1425	[Hashihumi, Katsuki; Saeeki, Koichiro; Ohnaki, Michitaka] Kyushu Univ, Dept Appl Sci Elect & Mat, Interdisciplinary Grad Sch Engr Sci, Kasuga, Fukuoka 8165850, Japan; [Suekuni, Koichiro; Watanabe, Kosuke; Ohnaki, Michitaka] Kyushu Univ, Transdisciplinary Res & Educ Ctr Green Technol, Kasuga, Fukuoka 8165850, Japan; [Usui, Hidetomo; Kuraki, Kazuhiko] Osaka Univ, Dept Phys, Toyonaka, Osaka 5600043, Japan; [Chetty, Raju; Ohta, Michihito] Natl Inst Adv Ind Sci & Technol, Res Inst Energy Conservat, Tsukuba, Ibaraki 3058568, Japan; [Takabatake, Toshiro] Hiroshima Univ, Grad Sch Adv Sci Matter, Dept Quantum Matter, Higashihiroshima 738539, Japan	10.1021/acs.inorgchem.8b02955	https://doi.org/10.1021/acs.inorgchem.8b02955	WOS:000456633400051	0	201911
Why the critical temperature of high-T-c cuprate superconductors is so low: The importance of the dynamical vector structure	PHYSICAL REVIEW B	99	41115	[Kitatani, Motoharu; Schaefer, Thomas; Held, Karsten] Vienna Univ Technol, Inst Solid State Phys, A-1040 Vienna, Austria; [Kitatani, Motoharu; Aoki, Hideo] Univ Tokyo, Dept Phys, Hongo, Tokyo 1130033, Japan; [Schaefer, Thomas] Coll France, 11 Pl Marcelin Berthelot, F-75005 Paris, France; [Schaefer, Thomas] Ecole Polytech, CNRS, Ctr Phys Theor, Route Saclay, F-91128 Palaiseau, France; [Aoki, Hideo] Adv Ind Sci & Technol AIST, Elect & Photon Res Inst, Tsukuba, Ibaraki 3058568, Japan	10.1103/PhysRevB.99.041115	https://doi.org/10.1103/PhysRevB.99.041115	WOS:000456304100002	2	201911
Accumulation of Glassy Poly(ethylene oxide) Anchored in a Covalent Organic Framework as a Solid-State Li+ Electrolyte	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	141	1227	[Zhang, Gen; Kikagawa, Susumu; Horike, Satoshi] Kyoto Univ, Inst Adv Study, Vidyaesimedi Inst Sci & Technol, Inst Integrated Cell Mat Sci Res Ctr, Kyoto 6068501, Japan; [Bai, Songyan; Horike, Satoshi] AIST Kyoto Univ, Chem Energy Mat Open Innovat Lab ChEM OIL, Natl Inst Adv Ind Sci & Technol AIST, Sakyo Ku, Kyoto 6068501, Japan; [Huang, You-lee; Nishiyama, Yusuke] RIKEN CLST JEOL Collaborat Ctr, Yokohama, Kanagawa 2300045, Japan; [Nishiyama, Yusuke] JEOL RESONANCE Inc, 3-1-2 Musashino, Akishima, Tokyo 196558, Japan; [Horike, Satoshi] Kyoto Univ, Grad Sch Engr, Dept Synth Chem & Biol Chem, Nishiky Ku, Kyoto 6158510, Japan	10.1021/jacs.8b06760	https://doi.org/10.1021/jacs.8b06760	WOS:000457067200010	2	201911
Clear and transparent nanocrystals for infrared-responsive carrier transfer	NATURE COMMUNICATIONS	10	406	[Sakamoto, Masanori; Kawakami, Tokuhisa; Teranishi, Toshiharu] Kyoto Univ, Inst Chem Res, Uji, Kyoto 6110011, Japan; [Kimura, Masato] Kyoto Univ, Grad Sch Sci, Dept Chem, Uji, Kyoto 6110011, Japan; [Vaeqazi, Junie Jon M.; Matsunaga, Hironori; Ranasinghe, Chandana Sampath Kumar; Yamakita, Akio] Toyota Technol Inst, Grad Sch Engr, Tempaku Ku, 2-1-2 Higashi, Nagoya, Aichi 4685511, Japan; [Matsuoka, Hiroyuki] Natl Inst Adv Ind Sci & Technol, Tsukuba Cent 2.1-1-1 Umezono, Tsukuba, Ibaraki 3058568, Japan; [Furube, Akihiro] Tokushima Univ, Dept Opt Sci, 2-1 Minamijosanjima Cho, Tokushima 7708506, Japan	10.1038/s41467-018-08226-2	https://doi.org/10.1038/s41467-018-08226-2	WOS:000456556700005	1	201911
Interaction modulation in a long-lived Bose-Einstein condensate by rf coupling	PHYSICAL REVIEW A	99	13622	[Shibata, Koume; Torii, Aki; Hirano, Takashi] Gakushuin Univ Toshima, Dept Phys, Tokyo 1718588, Japan; [Shibayama, Hitoshi] Nihon Univ, Coll Ind Technol, Narashino, Chiba 2758576, Japan; [Eto, Yujino] NMIJ, Natl Inst Adv Ind Sci & Technol AIST, Tsukuba, Ibaraki 3058568, Japan; [Saito, Hiroki] Univ Electrochem, Dept Engr Sci, Chofu, Tokyo 1285858, Japan	10.1103/PhysRevA.99.013622	https://doi.org/10.1103/PhysRevA.99.013622	WOS:000456775000010	1	201911
Ultrahigh-pressure form of SiO2 glass with dense pyrite-type crystalline homology	PHYSICAL REVIEW B	99	45153	[Murakami, M.] Swiss Fed Inst Technol, Dept Earth Sci, CH-8092 Zurich, Switzerland; [Murakami, M.] Tohoku Univ, Dept Earth & Planetary Mat Sci, Sendai, Miyagi 9808578, Japan; [Kohara, S.; Sato, S.] Natl Inst Adv Ind Sci & Technol AIST, Res Ctr Adv Measurement & Characteriz, Sayo, Hyogo 6795148, Japan; [Kohara, S.; Hirakawa, Y.; Onodera, Y.] NIMS, Res & Serv Div Mat Data & Integrated Syst MaDIS, Ctr Mat Res Informat Integrat CM2, Tsukuba, Ibaraki 3050047, Japan; [Kohara, S.; Hirao, N.; Ohishi, Y.] Japan Synchrotron Radiat Res, Res & Utilizat Div, Sayo, Hyogo 6795198, Japan; [Kohara, S.] Japan Adv Ind Sci & Technol, Sch Mat Sci, Nomi, Ishikawa 9231211, Japan; [Kohara, S.] Japan Sci & Technol Agcy, PRESTO, Tokyo 1020076, Japan; [Kittamura, N.; Idemoto, Y.] Tokyo Univ Sci, Fac Sci & Technol, Dept Pure & Appl Chem, Chiba 2788510, Japan; [Kittamura, N.; Akola, J.; Kallika, J.; Musso, T.] Tampere Univ Technol, Dept Phys, FI-33101 Tampere, Finland; [Akola, J.] Norwegian Univ Sci & Technol, Dept Phys, NO-7481 Trondheim, Norway; [Inoue, H.] Univ Tokyo, Inst Ind Sci, Tokyo 1538505, Japan; [Hirata, A.] Waseda Univ, Grad Sch Fundamental Sci & Engr, Tokyo 1699555, Japan; [Hirata, A.] Waseda Univ, Kagami Mem Res Inst Mat Sci & Technol, Tokyo 1699051, Japan; [Hirata, A.] AIST, Math Adv Mat OIL, Sendai, Miyagi 9808577, Japan; [Hirata, Y.] Tohoku Univ, WPI Adv Inst Mat Res, Sendai, Miyagi 9808577, Japan; [Hiroaka, Y.] Kyoto Univ, Inst Adv Study, Kyoto 6068501, Japan; [Hiroaka, Y.; Obayashi, J.] RIKEN, Ctr Adv Intelligence Project, Tokyo 1300027, Japan; [Onodera, Y.] Kyoto Univ, Inst Integrated Radiat & Nucl Sci, Osaka 5900494, Japan; [Foster, A. S.] Aalto Univ, Dept Appl Phys, FI-00076 Aalto, Finland; [Foster, A. S.] Kanazawa Univ, Grad Sch Nat Sci & Technol, Div Elect Engr & Comp Sci, Kanazawa, Ishikawa 9201192, Japan	10.1103/PhysRevB.99.045153	https://doi.org/10.1103/PhysRevB.99.045153	WOS:000457059000004	0	201911
Geometrically asymmetric optical cavity for strong atom-photon coupling	PHYSICAL REVIEW A	99	13437	[Kawasaki, Aki; Braverman, Boris; Pedrozzi-Pensaf, Edwin; Shu, Chi; Colombo, Simone; Li, Zeyang; Qiel, Ozge; Chen, Wenlan; Salvi, Leonardo; Heinz, Andre; Levonian, David; Akamatsu, Daisuke; Xiao, Yanhong; Vuletic, Vladan] MIT Harvard Ctr Ultracold Atoms & Res Lab Elect, Dept Phys, Ultracold Atoms & Res Lab Elect, MIT, Cambridge, MA 02139 USA; [Shu, Chi] Harvard Univ, Dept Phys, Cambridge, MA 02138 USA; [Salvi, Leonardo] Univ Firenze, INFN, Sez Firenze, Dipartimento Fis & Astron, Via Sansone 1, I-50019 Sesto Fiorentino, Italy; [Selvi, Leonardo] Univ Firenze, INFN, Sez Firenze, LENS, Via Sansone 1, I-50019 Sesto Fiorentino, Italy; [Heinz, Andre] Friedrich-Alexander-Univ Erlangen-Nurnberg, Schloss 4, D-91054 Erlangen, Germany; [Akamatsu, Daisuke] Natl Inst Adv Ind Sci & Technol, NMIJ, 1-1-1 Umezono, Tsukuba, Ibaraki 3058563, Japan; [Xiao, Yanhong] Fudan Univ, State Key Lab Surface Phys, Dept Phys, Minist Educ, Shanghai 200433, Peoples R China; [Xiao, Yanhong] Fudan Univ, Key Lab Micro & Nano Photon Struct, Minist Educ, Shanghai 200433, Peoples R China; [Kawasaki, Aki] Stanford Univ, WW Hansen Expt Phys Lab, Stanford, CA 94305 USA; [Kawasaki, Aki] Stanford Univ, Dept Phys, Stanford, CA 94305 USA; [Braverman, Boris] Univ Ottawa, Dept Phys, 25 Templeton St, Ottawa, ON K1N 6N5, Canada; [Braverman, Boris] Univ Ottawa, Max Planck Ctr Extreme & Quantum Photon, 25 Templeton St, Ottawa, ON K1N 6N5, Canada; [Heinz, Andre] Max Planck Inst Quantum Opt, Hans Kopfermann Str. 1, D-85748 Garching, Germany; [Levonian, David] Harvard Univ, Dept Phys, Cambridge, MA 02138 USA	10.1103/PhysRevA.99.013437	https://doi.org/10.1103/PhysRevA.99.013437	WOS:000457690800001	1	201911
Low-Temperature Graphene Growth by Forced Convection of Plasma-Excited Radicals	NANO LETTERS	19	739	[Kim, Jaeho; Sakakita, Hajime; Itagaki, Hiromoto] Natl Inst Adv Ind Sci & Technol, Innovat Plasma Proc Grp, Elect & Photon Res Inst, 1-1-1 Umezono, Tsukuba, Ibaraki 3058565, Japan	10.1021/acs.nanolett.8b03769	https://doi.org/10.1021/acs.nanolett.8b03769	WOS:000459223000015	1	201911
Imaging of local structures affecting electrical transport properties of large graphene sheets by lock-in thermography	SCIENCE ADVANCES	5	#VALUE!	[Nakajima, H.; Morimoto, T.; Ikuta, Y.; Okazaki, T.] Natl Inst Adv Ind Sci & Technol, CNT Applicat Res Ctr, Tsukuba, Ibaraki 3058565, Japan; [Okigawa, Y.; Yamada, T.] Natl Inst Adv Ind Sci & Technol, Nanomat Res Inst, Tsukuba, Ibaraki 3058565, Japan; [Kawahara, K.; Ago, H.] Kyushu Univ, Global Innovat Ctr Fukuoka, Fukuoka 816580, Japan	10.1126/sciadv.aau3407	https://doi.org/10.1126/sciadv.aau3407	WOS:000460147570019	2	201911
Oxidative Stress of Carbon Nanotubes on Proteins Is Mediated by Metals Originating from the Catalyst Remains	ACS NANO	13	1805	[Hirano, Atsushi; Wada, Momoyo; Tanaka, Takeshi; Katsura, Hiromichi] Natl Inst Adv Ind Sci & Technol, Nanomat Res Inst, Tsukuba, Ibaraki 3058565, Japan	10.1021/acsnano.8b07936	https://doi.org/10.1021/acsnano.8b07936	WOS:000460199400080	2	201911
Engineering Nanowire-Mediated Cell Lysis for Microbial Cell Identification	ACS NANO	13	2262	[Yasui, Takao; Shimada, Tatsuke; Otsuka, Kohji; Takeuchi, Masaki; Takeshita, Daiki; Yonese, Akihiro; Magafuku, Ryo; Baba, Yoshinobu] Nagoya Univ, Dept Biomol Engr, Grad Sch Engr, Chikusa Ku, Furo Cho, Nagoya, Aichi 4648603, Japan; [Yasui, Takao; Rahong, Sakon; Kaji, Noritada; Baba, Yoshinobu] Nagoya Univ, IMPACT Res Ctr Adv Nanobiodevices, Chikusa Ku, Furo Cho, Nagoya, Aichi 4648603, Japan; [Yasui, Takao; Kaji, Noritada] Nagoya Univ, Sci & Technol Agcy JST, Precursory Res Embryon Sci & Technol PRESTO, 4-1-8 Honcho, Kawaguchi, Saitama 3320021, Japan; [Yanagida, Takeshi; Nagashima, Kazuki; Zhu, Zetao; Kanai, Masaki] Kyushu Univ, Inst Mat Chem & Engr, 6-1 Kasuga Koen, Kasuga, Fukuoka 8165850, Japan; [Yanagida, Takeshi; Kawai, Tomoji] Osaka Univ, Inst Sci & Ind Res, 8-1 Mihogaoka Cho, Ibaraki, Osaka 5670047, Japan; [Rahong, Sakon] King Mongkut Inst Technol Ladkrabang, Coll Nanotechnol, Chalungkrung Rd, Bangkok 10520, Thailand; [Naito, Toyohito] Kyoto Univ, Grad Sch Engr, Dept Mat Chem, Nishiky Ku, Kyoto 6158510, Japan; [Kaji, Noritada] Kyushu Univ, Grad Sch Engr, Dept Chem & Biochem, Nishi Ku, Moto Oka 744, Fukuoka, Fukuoka 8190395, Japan; [Baba, Yoshinobu] Natl Inst Adv Ind Sci & Technol, Hith Res Inst, Takamatsu, Kagawa 7610395, Japan; [Baba, Yoshinobu] Kaohsiung Med Univ, Coll Pharm, Kaohsiung 807, Kaohsiung 80708, Taiwan	10.1021/acs.nano.8b08999	https://doi.org/10.1021/acs.nano.8b08999	WOS:000460199400124	0	201911
Nucleation of Characteristic Earthquakes in Simulated Cycles Involving Deep Huge Slow Slip Events	JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH	124	1822	[Ohtani, Makiko] AIST, Geol Survey Japan, Tsukuba, Ibaraki, Japan; [Kame, Nobuki; Nakatani, Masao] Univ Tokyo, Earthquake Res Inst, Tokyo, Japan	10.1029/2018JB016156	https://doi.org/10.1029/2018JB016156	WOS:000464235800038	0	201911
Numerical Simulation of the Landslide and Tsunami Due to the 1741 Oshima-Oshima Eruption in Hokkaido, Japan	JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH	124	1991	[Ioki, Kei] Natl Inst Adv Ind Sci & Technol, Geol Survey Japan, Tsukuba, Ibaraki, Japan; [Tanioka, Yuichiro] Hokkaido Univ, Inst Seismol & Volcanol, Sapporo, Hokkaido, Japan; [Yanagisawa, Hideo] Tohoku Gakuin Univ, Dept Reg Management, Fac Liberal Arts, Sendai, Miyagi, Japan; [Kawakami, Gentaro] Hokkaido Res Org, Geol Survey Hokkaido, Sapporo, Hokkaido, Japan	10.1029/2018JB016156	https://doi.org/10.1029/2018JB016156	WOS:000464235800047	1	201911
Four-mode multi-selection in the dual phase control of a molecular ionization induced by Fourier-synthesized laser fields	APPLIED PHYSICS LETTERS	114	54101	[Ohtsura, Hideo; Yoshida, Tsuyoshi; Saito, Naoki] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058565, Japan	10.1063/1.5082578	https://doi.org/10.1063/1.5082578	WOS:000458202800046	0	201911
Green fluorescence from cnidarian hosts attracts symbiotic algae	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	116	2118	[Aihara, Yusuke; Takahashi, Shunichi; Minagawa, Jun] Natl Inst Basic Biol, Okazaki, Aichi 4448585, Japan; [Maruyama, Shinichiro] Tohoku Univ, Dept Ecol Dev Adaptat Life Sci, Aoba Ku, Sendai, Miyagi 9808578, Japan; [Baird, Andrew H.] James Cook Univ, Australian Res Council Ctr Excellence Coral Reef, Townsville, QLD 4811, Australia; [Iguchi, Akiko] Natl Inst Adv Ind Sci & Technol, Inst Geol & Geoinformat, Tsukuba, Ibaraki 3058567, Japan; [Takahashi, Shunichi; Minagawa, Jun] Grad Univ Adv Studies, SOKENDAI, Sch Life Sci, Dept Basic Biol, Okazaki, Aichi 4448585, Japan	10.1073/pnas.1812571116	https://doi.org/10.1073/pnas.1812571116	WOS:000457731900050	0	201911
Graphical Ranking of Divisors to Get the Most out of a Resolution-Enhanced Kendrick Mass Defect Plot	ANALYTICAL CHEMISTRY	91	2004	[Nakamura, Sayaka; Sato, Hiroaki; Fouquet, Thierry] Natl Inst Adv Ind Sci & Technol, Res Inst Sustainable Chem, Tsukuba, Ibaraki 3058560, Japan; [Cody, Robert B.] JEOL USA Inc, Bejing, MA 01960 USA	10.1021/acs.analchem.8b04371	https://doi.org/10.1021/acs.analchem.8b04371	WOS:000458220300051	1	201911
Puffing Up Energetic Metal-Organic Frameworks to Large Carbon Networks with Hierarchical Porosity and Atomically Dispersed Metal Sites	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	58	1975	[Zhao, Ru; Liang, Zhibin; Gao, Song; Zhu, Bingyan; Zhao, Junliang; Qu, Chong; Zhou, Rujiang] Peking Univ, Dept Mat Sci & Engr, Coll Engr, Beijing Key Lab Theory & Technol Adv Battery Mat, Beijing 100871, Peoples R China; [Xu, Qiang] Kyoto Univ, Natl Inst Adv Ind Sci & Technol AIST, Chem Energy Mat Open Innovat Lab ChEM OIL, AIST-Sakyo Ku, Kyoto 6068501, Japan; [Xu, Qiang] Yangzhou Univ, Sch Chem & Chem Engr, Yangzhou 225009, Jiangsu, Peoples R China; [Yang, Ce] Argonne Natl Lab, Chem Sci & Engr Div, Lemont, IL 60439 USA	10.1002/anie.201811126	https://doi.org/10.1002/anie.201811126	WOS:000458828000015	10	201911
Enhanced superconductivity close to a non-magnetic quantum critical point in electron-doped strontium titanate	NATURE COMMUNICATIONS	10	738	[Tomiki, Yasuhide; Shirakawa, Naoki; Shibuya, Keisuke; Inoue, Isao H.] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058565, Japan	10.1038/s41467-019-08693-1	https://doi.org/10.1038/s41467-019-08693-1	WOS:000458567700004	3	201911
Synthesis of porous coordination polymers using carbon dioxide as a direct source	CHEMICAL COMMUNICATIONS	55	9283	[Kadota, Kentaro; Svirniak, Essan] Kyoto Univ, Grad Sch Engr, Dept Mol Engr, Nishiky Ku, Kyoto 6158510, Japan; [Nghia Tuan Duong; Nishiyama, Yusuke] RIKEN, NMR Sci & Dev Div, Spring Ctr 8, Yokohama, Kanagawa 2300045, Japan; [Nghia Tuan Duong; Nishiyama, Yusuke] RIKEN, JEOL Collaborat Ctr, Yokohama, Kanagawa 2300045, Japan; [Nishiyama, Yusuke] JEOL RESONANCE Inc, Akishima, Tokyo 196558, Japan; [Svirniak, Essan; Horike, Satoshi] Kyoto Univ, Inst Integrated Cell Mat Sci, Inst Adv Study, Sakyo Ku, Kyoto 6068501, Japan; [Horike, Satoshi] Natl Inst Adv Ind Sci & Technol, AIST Kyoto Univ Chem Energy Mat Open Innovat Lab, Sakyo Ku, Kyoto 6068501, Japan; [Horike, Satoshi] Kyoto Univ, Dept Synth Chem & Biol Chem, Grad Sch Engr, Nishiky Ku, Kyoto 6158510, Japan; [Horike, Satoshi] Vidyaesimedi Inst Sci & Technol, Dept Mat Sci & Engr, Sch Mol Sci & Engr, Rayong 21210, Thailand	10.1039/c8cc04771a	https://doi.org/10.1039/c8cc04771a	WOS:000447861260004	0	201911
Understanding hydrogen-bonding structures of molecular crystals via electron and NMR nanocrystallography	NATURE COMMUNICATIONS	10	3537	[Guzman-Afonso, Candelaria; Hong, You-lee; Colaux, Henri; Nishiyama, Yusuke] RIKEN JEOL Collaborat Ctr, Nanocrystalllog Unit, Yokohama, Kanagawa 2300045, Japan; [Hong, You-lee] Kyoto Univ, Inst Integrated Cell Mat Sci WPI ICeMS, Inst Adv Study, Sakyo Ku, Kyoto 6068501, Japan; [Hong, You-lee] Kyoto Univ, AIST Kyoto Univ Chem Energy Mat Open Innovat Lab, Sakyo Ku, Kyoto 6068501, Japan; [Iijima, Hirofumi; Saitow, Akihiro; Fukumura, Takuma; Aoyama, Yoshitaka; Motoki, Souhei] JEOL Ltd, Akishima, Tokyo 196558, Japan; [Okawa, Tetsuo] JEOL ASIA Pte Ltd, Corp Rtd, Singapore; [Yamazaki, Toshiro; Nishiyama, Yusuke] RIKEN Spring 8 Ctr, NMR Sci & Dev Div, Tsunumi Ku, Yokohama, Kanagawa 2300045, Japan; [Yonekura, Koji] RIKEN Spring 8 Ctr, Biostuct Mech Lab, 1-1-1 Kouto, Sayo, Hyogo 6795148, Japan; [Yonekura, Koji] RIKEN JEOL Collaborat Ctr, Adv Electron Microscope Dev Unit, 1-1-1 Kouto, Sayo, Hyogo 6795148, Japan; [Nishiyama, Yusuke] JEOL RESONANCE Inc, Akishima, Tokyo 196558, Japan	10.1038/s41467-019-11469-2	https://doi.org/10.1038/s41467-019-11469-2	WOS:0004478867500022	0	201911
Glass-phase coordination polymer displaying proton conductivity and guest-accessible porosity	CHEMICAL COMMUNICATIONS	55	8528	[Inukai, Munehiro] Univ Tokushima, Grad Sch Technol Ind & Social Sci, 2-1 Minami Josanjima Cho, Tokushima 7708506, Japan; [Nishiyama, Yusuke] JEOL Resonance Inc, 3-1-2 Musashino, Akishima, Tokyo 196558, Japan; [Nishiyama, Yusuke] RIKEN Spring 8 Ctr, NMR Sci & Dev Div, Yokohama, Kanagawa 2300045, Japan; [Nishiyama, Yusuke] RIKEN JEOL Collaborat Ctr, Yokohama, Kanagawa 2300045, Japan; [Henjo, Kayoko; Horike, Satoshi] Kyoto Univ, Grad Sch Engr, Dept Synth Chem & Biol Chem, Nishiky Ku, Kyoto 6158510, Japan; [Das, Chinmoy; Horike, Satoshi] Kyoto Univ, Natl Inst Adv Ind Sci & Technol, Chem Energy Mat Open Innovat Lab ChEM OIL, AIST-Sakyo Ku, Kyoto 6068501, Japan; [Kikagawa, Susumu; Horike, Satoshi] Kyoto Univ, Inst Adv Study, Inst Integrated Cell Mat Sci, Sakyo Ku, Kyoto 6068501, Japan; [Horike, Satoshi] Vidyaesimedi Inst Sci & Technol, Sch Mol Sci & Engr, Dept Mat Sci & Engr, Rayong 21210, Thailand	10.1039/c8cc02744k	https://doi.org/10.1039/c8cc02744k	WOS:0004476609500033	0	201911

Borohydride-containing coordination polymers: synthesis, air stability and dehydrogenation	CHEMICAL SCIENCE	10	6193	[Kadota, Kentaro; Sivanthi, Easan] Kyoto Univ, Grad Sch Engr, Dept Mol Engrg, Nishikyuo Ku, Kyoto 6158510, Japan; [Nghia Tuan Duong; Nishiyama, Yusuke] RIKEN JEOL Collaborat Ctr, Tsuromi Ku, Yokohama, Kanagawa 2300045, Japan; [Nishiyama, Yusuke] JEOL RESONANCE Inc, Tokyo 196558, Japan; [Sivanthi, Easan; Kitagawa, Susumu; Horike, Satoshi] Kyoto Univ, Inst Adv Study, Inst Integrated Cell Mat Sci, Sakyo Ku, Kyoto 6068501, Japan; [Horike, Satoshi] Natl Inst Adv Ind Sci & Technol, AIST Kyoto Univ Chem Energy Mat Open Innovat Lab, Sakyo Ku, Kyoto 6068501, Japan; [Horike, Satoshi] Kyoto Univ, Grad Sch Engr, Dept Synthet Chem & Biol Chem, Nishikyuo Ku, Kyoto 6158510, Japan; [Horike, Satoshi] Vidyayardwadi Inst Sci & Technol, Sch Mol Sci & Engr, Rayong 21210, Thailand	10.1039/c9ob0731h	https://doi.org/10.1039/c9ob0731h	WOS:000472557100014	0	201911
Quantitative Evaluation of Surface-Enhanced Raman Scattering Nanoparticles for Intracellular pH Sensing at a Single Particle Level	ANALYTICAL CHEMISTRY	91	3254	[Zhang, Zhiqiang; Bando, Kazuki; Mochizuki, Kentaro; Taguchi, Atsushi; Fujita, Katsumasa; Kawata, Satoshi] Osaka Univ, Dept Appl Phys, Suita, Osaka 5650871, Japan; [Zhang, Zhiqiang] Kenisei Acad Sci, Suzhou Inst Biomed Engr & Technol, CAS Key Lab Biomed Diagnost, Suzhou 215163, Peoples R China; [Bando, Kazuki; Kawata, Satoshi] Serendip Res, Osaka, Osaka 5300001, Japan; [Fujita, Katsumasa] Osaka Univ, AIST, Adv Photon & Biosensing Open Innovat Lab, Suita, Osaka 5650871, Japan; [Fujita, Katsumasa] Osaka Univ, Inst Open & Transdisciplinary Res Initiat, Suita, Osaka 5650871, Japan	10.1021/acs.analchem.8b03276	https://doi.org/10.1021/acs.analchem.8b03276	WOS:000460709200014	2	201911
Semiofficial Template Growth of Self-Supporting MOF Nanocomposite Electrode for Efficient Electrocatalytic Water Oxidation	ADVANCED FUNCTIONAL MATERIALS	29	1807418	[Cao, Changheng; Ma, Dong-Dong; Wu, Xin-Tao; Zhu, Qi-Long] Chinese Acad Sci, Fujian Inst Res Struct Matter, State Key Lab Struct Chem, Fuzhou 350002, Fujian, Peoples R China; [Cao, Changheng] Chinese Acad Sci, Beijing 100049, Peoples R China; [Xu, Qiang] Natl Inst Adv Ind Sci & Technol, AIST Kyoto Univ Chem Energy Mat Open Innovat Lab, Sakyo Ku, Kyoto 6068501, Japan; [Xu, Qiang] Yangzhou Univ, Sch Chem & Chem Engr, Yangzhou 225009, Jiangsu, Peoples R China	10.1002/adfm.201807418	https://doi.org/10.1002/adfm.201807418	WOS:000455833800017	13	201911
Emergence of metallic monodinic states of VO2 films induced by K deposition	PHYSICAL REVIEW B	99	125120	[Shiga, D.; Kumigashira, H.] Tohoku Univ, IMRAM, Sendai, Miyagi 9808577, Japan; [Shiga, D.; Minohara, M.; Kitamura, M.; Yukawa, R.; Horiba, K.; Kumigashira, H.] High Energy Accelerator Res Org KEK, Photon Factory, Inst Mat Struct Sci, 1-1 Oho, Tsukuba, Ibaraki 3050801, Japan	10.1103/PhysRevB.99.125120	https://doi.org/10.1103/PhysRevB.99.125120	WOS:000461962400002	0	201911
Premotor Cortical-Cerebellar Reorganization in a Macaque Model of Primary Motor Cortex Lesion and Recovery	JOURNAL OF NEUROSCIENCE	39	8484	[Yamamoto, Tatsuya] Tsukuba Int Univ, Fac Med & Hlth Sci, Tsuchiura, Ibaraki 3000051, Japan; [Yamamoto, Tatsuya; Murata, Yumi; Higo, Noriyuki] Natl Inst Adv Ind Sci & Technol, Human Inform Res Inst, Tsukuba, Ibaraki 3058568, Japan; [Hayashi, Takuya; Ose, Takayuki] RIKEN, Ctr Biosyst Dynam Res, Lab Brain Comput Imagng, Kobe, Hyogo 6500047, Japan	10.1523/JNEUROSCI.0077-19.2019	https://doi.org/10.1523/JNEUROSCI.0077-19.2019	WOS:000492676600005	0	201911
Direct coupling of ferromagnetic moment and ferroelectric polarization in BiFeO3	PHYSICAL REVIEW B	100	140412	[Kawachi, Shiro; Yamaura, Jun-ichi] Tokyo Inst Technol, Mat Res Ctr Element Strategy, Yokohama, Kanagawa 2268503, Japan; [Miyahara, Shin] Fukuoka Univ, Dept Phys, Jonan Ku, Fukuoka, Fukuoka 8140180, Japan; [Ito, Toshimitsu] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058562, Japan; [Miyake, Atsushi; Tokunaga, Masashi] Tokyo Univ, Natl Solid State Phys, Kashiwa, Chiba 2785851, Japan; [Furukawa, Nobuo] Aoyama Gakuin Univ, Dept Phys & Math, Sagamihara, Kanagawa 2295558, Japan	10.1103/PhysRevB.100.140412	https://doi.org/10.1103/PhysRevB.100.140412	WOS:000491259900003	0	201911
Large spin anomalous Hall effect in L1(0)-FePt: Symmetry and magnetization switching	PHYSICAL REVIEW B	100	144427	[Seki, Takeshi; Takamashi, Koki] Tohoku Univ, Natl Inst Res, Sendai, Miyagi 9808577, Japan; [Seki, Takeshi; Takamashi, Koki] Tohoku Univ, Ctr Spintron Res Network, Sendai, Miyagi 9808577, Japan; [Iihama, Satoshi] Tohoku Univ, WPI Adv Inst Mat Res, Sendai, Miyagi 9808577, Japan; [Taniguchi, Tomohiro] Natl Inst Adv Ind Sci & Technol, Spintron Res Ctr, Tsukuba, Ibaraki 3058568, Japan	10.1103/PhysRevB.100.144427	https://doi.org/10.1103/PhysRevB.100.144427	WOS:000491167700003	0	201911
Strength Profile of the Inner Nankai Accretionary Prism at IODP Site C0002	GEOPHYSICAL RESEARCH LETTERS	0	0VALUE1	[Kitamura, Manami] Hiroshima Univ, Dept Earth & Planetary Syst Sci, Grad Sch Sci, Higashihiroshima, Japan; [Kitamura, Manami; Kitajima, Koji] Natl Inst Adv Ind Sci & Technol, Geol Survey Japan, Tsukuba, Ibaraki, Japan; [Kitajima, Hiroko] Texas A&M Univ, Dept Geol & Geophys, College Stn, TX 77843 USA; [Kitajima, Hiroko] Texas A&M Univ, Dept Geol & Geophys, College Stn, TX, USA; [Sone, Hiroki] Univ Wisconsin, Dept Civil & Environ Engr, Geol Engr Program, Madison, WI 53706 USA; [Hamada, Yohei; Hirose, Takehiro] Japan Agcy Marine Earth Sci & Technol JAMSTEC, Kochi Inst Core Sample Res, Kochi, Japan	10.1029/2019JG008372	https://doi.org/10.1029/2019JG008372	WOS:000449046800001	0	201911
Neurotransmitter-Responsive Nanosensors for T-2-Weighted Magnetic Resonance Imaging	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	141	15751	[Hsieh, Vivian; Okada, Satoshi; Wei, He; Garcia-Alvarez, Isabel; Barandou, Ali; Alvarado, Santiago Recuenno; Ohlendorf, Robert; Fan, Jingxuan; Ortega, Athena; Jasanoff, Alan] MIT, Dept Biol Engr Brain & Cognit Sci, 77 Massachusetts Ave, Cambridge, MA 02139 USA; [Hsieh, Vivian; Okada, Satoshi; Wei, He; Garcia-Alvarez, Isabel; Barandou, Ali; Alvarado, Santiago Recuenno; Ohlendorf, Robert; Fan, Jingxuan; Ortega, Athena; Jasanoff, Alan] MIT, Nuel Sci & Engr, 77 Massachusetts Ave, Cambridge, MA 02139 USA; [Okada, Satoshi] Natl Inst Adv Ind Sci & Technol, Hlth Res Inst, 1-1-1 Higashi, Tsukuba, Ibaraki 3058566, Japan; [Garcia-Alvarez, Isabel] Univ Francisco Vitoria, Fac Ciencias Expt, Ctra Pozuelo Majadahonda Km 1.800, Madrid 28223, Spain	10.1021/jacs.9b08744	https://doi.org/10.1021/jacs.9b08744	WOS:000490358900006	0	201911
Facile Synthesis of LiH-Stabilized Face-Centered-Cubic YH3 High-Pressure Phase by Ball Milling Process	INORGANIC CHEMISTRY	58	13102	[Kataoka, Riki; Kojima, Toshiyuki; Takeichi, Nobuhiko] Natl Inst Adv Ind Sci & Technol, 1-8-31 Midorigaoka, Ikeda, Osaka 5638577, Japan; [Sakaki, Kouji] Natl Inst Adv Ind Sci & Technol, Res Inst Engr Frontier, 16-1 Onogawa, Tsukuba, Ibaraki 3058569, Japan; [Ikeda, Kazutaka; Otomo, Toshiya] High Energy Accelerator Res Org KEK, Inst Mat Struct Sci, Tsukuba, Ibaraki 3056801, Japan; [Kimura, Tomi; Nozaki, Masashi; Kamegawa, Atsushi] Materials Technol Res Ctr Environ Friendly Mat Engr, 27-1 Mizumachi, Chitose, Tokyo 1568565, Japan; [Matsunaga, Hirotaka] Hokkaido 0508586, Japan; [Zhou, Jiefeng; Le Gouvello, Frederic; Wang, Xiaowei; Zhu, Qiao; Liu, Fucan; Tang, Biplu; Zhu, Zhao; Liu, Zheng] Nanjing Technol Univ, Sch Mat Sci & Engr, Singapore 639798, Singapore; [Kong, Xianghua] McGill Univ, Dept Phys, Montreal, PQ H3A 2T8, Canada; [Kong, Xianghua] McGill Univ, Ctr Phys Mat, Montreal, PQ H3A 2T8, Canada; [Kong, Xianghua; Xu, Rui; Cheng, Zhihai; Ji, Wei] Renmin Univ China, Dept Phys, Beijing 100872, Peoples R China; [Kong, Xianghua; Xu, Rui; Cheng, Zhihai; Ji, Wei] Renmin Univ China, Beijing Key Lab Optoelect Funct Mat & Microano D, Beijing 100872, Peoples R China; [Sekhar, M. Chandras; Lu, Wei; Sun, Dong] Peking Univ, Sch Phys, Int Ctr Quantum Mat, Beijing 100871, Peoples R China; [Sekhar, M. Chandras; Lu, Wei; Sun, Dong] Collaborat Innovat Ctr Quantum Matter, Beijing 100871, Peoples R China; [Lin, Junhao; Guo, Zengfeng] Southern Univ Sci & Technol, Dept Phys, Shenzhen 518055, Peoples R China; [Xu, Rui; Cheng, Zhihai] CAS Ctr Excellence Nanosci, Natl Ctr Nanosci & Technol, CAS Key Lab Standardizat & Measurement Nanotechnol, Beijing 100190, Peoples R China; [Chen, Yu; Zhou, Yao; Yu, Ting] Nanjing Technol Univ, Sch Phys & Math Sci, Ctr Drup Photon Technol, Singapore 63721, Singapore; [Suenaga, Kazu] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058565, Japan; [Liu, Zheng] CNRS Int NTU THALES Res Alliances, UMI 3288, Res Techno Plaza 50 NanYang Dr, Border X Block, Singapore 637553, Singapore	10.1021/acs.inorgchem.9b02005	https://doi.org/10.1021/acs.inorgchem.9b02005	WOS:000489676400071	0	201911
High thermoelectric performance in low-cost SnS0.91Se0.09 crystals	SCIENCE	365	1418	[He, Wenke; Wang, Dongyang; Xiao, Yu; Zhao, Li-Dong] Beihang Univ, Sch Mat Sci & Engr, Beijing 100191, Peoples R China; [Hu, Jian; Zhang, Yang; Pennycook, Stephen J.] Natl Univ Singapore, Dept Mat Sci & Engr, Singapore 117575, Singapore; [He, Dongsheng; Feng, Yue; Hao, Yu-Jie; He, Jiaqing] Southern Univ Sci & Technol, Dept Phys, Shenzhen 518055, Peoples R China; [Dong, Jin-Feng; Li, Jing-Feng] Tsinghua Univ, Sch Mat Sci & Engr, Key Lab New Ceram & Fine Proc, Beijing 100084, Peoples R China; [Chetty, Raju; Liu, Chang; Ohta, Michihiko] Natl Inst Adv Ind Sci & Technol, Res Inst Engr Conservat, Tsukuba, Ibaraki 3058568, Japan; [Hao, Lijie; Chen, Dongfeng; Qin, Jianfei] China Inst Atom Energy, Neutron Scattering Lab, Dept Phys, Beijing 102413, Peoples R China; [Yang, Qiang; Li, Xin; Song, Jian-Ming] China Acad Engr Phys, Inst Phys, Key Lab Neutron Phys, Mianyang 621900, Sichuan, Peoples R China; [Yang, Qiang; Li, Xin; Song, Jian-Ming] China Acad Engr Phys, Inst Nucl Phys & Chem, Mianyang 621900, Sichuan, Peoples R China; [Zhu, Yingcai; Xu, Wei] Chinese Acad Sci, Inst High Energy Phys, Beijing Synchrotron Radiat Facil, Beijing 100049, Peoples R China; [Niu, Changli; Li, Xin] China Inst Atom Energy, Dept Isotope, Beijing 102413, Peoples R China; [Wang, Guangtao] Henan Normal Univ, Coll Phys & Mat Sci, Xinxiang 453007, Henan, Peoples R China; [Liu, Chang] Shenzhen Inst Quantum Sci & Engr, Shenzhen Key Lab Quantum Sci & Engr, Shenzhen 518055, Peoples R China	10.1126/science.1251233	https://doi.org/10.1126/science.1251233	WOS:000488838600041	0	201911
All-optical detection and evaluation of magnetic damping in synthetic antiferromagnet	APPLIED PHYSICS LETTERS	115	132402	[Kamimaki, Akira] Tohoku Univ, Grad Sch Engr, Dept Appl Phys, 6-6-05 Aoba Yama, Sendai, Miyagi 9808579, Japan; [Kamimaki, Akira; Ihama, Satoshi; Mizukami, Shigem] Tohoku Univ, WPI Adv Inst Mat Res MR, 2-1-1 Katahira, Sendai, Miyagi 9808577, Japan; [Ihama, Satoshi; Mizukami, Shigem] Tohoku Univ, CSRS, Sendai, Miyagi 9808577, Japan; [Ihama, Satoshi; Mizukami, Shigem] Tohoku Univ, CSRS, Sendai, Miyagi 9808577, Japan; [Ihama, Satoshi; Mizukami, Shigem] Tohoku Univ, CSRS, Sendai, Miyagi 9808577, Japan	10.1063/1.5116105	https://doi.org/10.1063/1.5116105	WOS:000487997400009	0	201911
Activity in the dorsal ACC causes deterioration of sequential motor performance due to anxiety	NATURE COMMUNICATIONS	10	4287	[Ganesh, Gowthamkar] Univ Montpellier, CNRS, LHRM, Montpellier, France; [Ganesh, Gowthamkar] CNRS, Natl Inst Adv Ind Sci & Technol AIST, Joint Robot Lab, Tsukuba, Ibaraki, Japan; [Minamoto, Takanori] Shimane Univ, Fac Human Sci, Matsue, Shimane, Japan; [Haruno, Masahiko] Natl Inst Inform & Commun Technol NICT, Ctr Inform & Neural Networks, Osaka, Japan; [Haruno, Masahiko] Osaka Univ, Grad Sch Frontier Biosci, Osaka, Japan	10.1038/s41467-019-12205-6	https://doi.org/10.1038/s41467-019-12205-6	WOS:000485566700004	0	201911
The Ampuripyrin and Miharomycin Biosynthetic Gene Clusters: Unraveling the Origins of 2-Aminopurinyl Peptidyl Nucleoside Antibiotics	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	141	14152	[Romo, Anthony J.; Geng, Yujie; Ogawara, Yasuhiro; Liu, Hung-wei] Univ Texas Austin, Coll Pharm, Div Chem Biol & Med Chem, Austin, TX 78712 USA; [Shiraishi, Taro; Kuzuyama, Tomohisa] Univ Tokyo, Grad Sch Agr & Life Sci, Bunkyo Ku, 1-1-1 Yayoi, Tokyo 1138657, Japan; [Kuchii, Hideo; Shin, Y.; Kato, Nishiyama, Makoto] Univ Tokyo, Biotechnol Res Ctr, Bunkyo Ku, 1-1-1 Yayoi, Tokyo 1138657, Japan; [Lin, Geng-Min; Lee, Yu-Hsuan; Liu, Hung-wei] Univ Texas Austin, Dept Chem, Austin, TX 78712 USA; [Lien, Priscilla H. M.; Tamko, Liu, Hung-wei] Univ Texas Austin, Dept Chem, Austin, TX 78712 USA; [Shin, Y.; Kato, Nishiyama, Makoto] Natl Inst Adv Ind Sci & Technol, Koto Ku, 2-4-7 Aomi, Tokyo 130604, Japan; [Nishiyama, Makoto; Kuzuyama, Tomohisa] Univ Tokyo, Collaborat Res Inst Innovat Microbiol, Bunkyo Ku, 1-1-1 Yayoi, Tokyo 1138657, Japan; [Romo, Anthony J.] Univ Texas MD Anderson Canc Ctr, Invest Pharm Serv, Houston, TX 77030 USA; [Lin, Geng-Min] MIT, Dept Biol Engr, 77 Massachusetts Ave, Cambridge, MA 02139 USA; [Ma, Tian] Johns Hopkins Univ, Dept Biochem & Mol Biol, Bloomberg Sch Publ Hlth, Baltimore, MD 21205 USA; [Ogawara, Yasuhiro] Hokkaido Univ, Grad Sch Engr, Sapporo, Hokkaido 0608628, Japan	10.1021/jacs.9b03021	https://doi.org/10.1021/jacs.9b03021	WOS:000486361800026	1	201911
Mechanisms of aggregation and fibril formation of the amyloidogenic N-terminal fragment of apolipoprotein A-I	JOURNAL OF BIOLOGICAL CHEMISTRY	294	13515	[Mizuguchi, Chiharu; Nakagawa, Miho; Namba, Norihito; Sakai, Masae; Kurimatsu, Naoko; Suzuki, Ayane; Fujita, Kaho; Horuchi, Sayaka; Ohgita, Takashi; Saito, Hiroyuki] Pharma Institute Univ, Dept Biophy Chem, Yamashina Ku, 5 Mitsasagi Nakauchi Koto, Kyoto 6078414, Japan; [Ibata, Toshihiko] Natl Inst Adv Ind Sci & Technol, Biomed Res Engr, Tsukuba, Ibaraki 3058565, Japan; [Nishitoku, Kazuhiko] Wakayama Med Univ, Dept Biochem, 811-1 Kimideri, Wakayama 6418509, Japan; [Mizuguchi, Chiharu] Osaka Inst Publ Hlth, Div Hyg Chem, Osaka 5430026, Japan	10.1074/jbc.RA119.008000	https://doi.org/10.1074/jbc.RA119.008000	WOS:000486417200025	0	201911
Enhanced Dynamic Adhesion in Nematic Liquid Crystal Elastomers	ADVANCED MATERIALS	31	1902642	[Ohzono, Takuya; Saed, Mohand O.; Terentjev, Eugene M.] Univ Cambridge, Cavendish Lab, JJ Thomson Ave, Cambridge CB3 0HF, England; [Ohzono, Takuya] Natl Inst Adv Ind Sci & Technol, Res Inst Elect & Photon, 1-1-1 Higashi, Tsukuba, Ibaraki 3058565, Japan	10.1002/adma.201902642	https://doi.org/10.1002/adma.201902642	WOS:000484131610009	0	201911
Shaping microbial consortia in coupling glycerol fermentation and carboxylate chain elongation for Co-production of 1,3-propanediol and caproate: Pathways and mechanisms	WATER RESEARCH	148	281	[Leng, Ling; Yang, Peixin; Tan, Gin-Yu; Lee, Po-Heng] Hong Kong Polytech Univ, Dept Civil & Environ Engr, Hung Hom, Kowloon, Hong Kong, Peoples R China; [Nobu, Masaru K.; Narihito, Takashi] Natl Inst Adv Ind Sci & Technol, Bioprod Res Inst, Cent 6, Higashi 1-1-1, Tsukuba, Ibaraki 3058566, Japan	10.1016/j.watres.2018.10.068	https://doi.org/10.1016/j.watres.2018.10.068	WOS:000452931600028	1	201901
Ligand binding to human prostaglandin E receptor EP4 at the lipid-bilayer interface	NATURE CHEMICAL BIOLOGY	15	18	[Toyoda, Yosuke; Morimoto, Kazuaki; Sumo, Ryota; Horita, Shoichiro; Sekiguchi, Yusuke; Hotta, Yuhono; Asada, Hidetsugu; Nakane, Takano; Shimura, Yuki; Nakagata, Tomoko; Nomura, Norimichi; Iwata, So; Kobayashi, Takuya] Kyoto Univ, Dept Med Chem & Cell Biol, Grad Sch Med, Sakyo Ku, Konoe Cho, Kyoto, Japan; [Yamashita, Keitaro; Hirata, Kunio; Yamamoto, Masaki; Iwata, So] RIKEN, Sping 8 Ctr, Sayo, Hyogo, Japan; [Yasuda, Satoshi; Murata, Takeshi] Chiba Univ, Grad Sch Sci, Dept Chem, Inage Ku, Chiba, Japan; [Yasuda, Satoshi; Kinoshita, Masahiro] Kyoto Univ, Inst Adv Engrg, Uji, Kyoto, Japan; [Shiroishi, Mitsunori] Kyushu Univ, Grad Sch Pharmaceut Sci, Higashi Ku, Fukuoka, Japan; [Shiroishi, Mitsunori; Hosoya, Takamitsu; Hirokawa, Takatsugu; Murata, Takeshi; Yamamoto, Masaki; Kobayashi, Takuya] Japan Sci & Technol Advgr JST, Platform Drug Discovery Inform & Struct Life Sci, Sakyo Ku, Konoe Cho, Kyoto, Japan; [Shimizu, Tomoko; Uchibashi, Yui; Takayama, Kiyoshi] NB Hlth Lb Co Ltd, Kita Ward, Sapporo, Hokkaido, Japan; [Kajiwara, Yuta] Kyoto Univ, Grad Sch Engr Sci, Uji, Kyoto, Japan; [Kajiwara, Yuta; Hirokawa, Takatsugu] Natl Inst Adv Ind Sci & Technol, Mol Profiling Res Ctr Drug Discovery MOLPROF, Tokyo, Japan; [Inazumi, Tomoki; Tsuge, Kyoshino; Sugimoto, Yukihiko] Kumamoto Univ, Grad Sch Pharmaceut Sci, Dept Pharmaceut Biochem, Kumamoto, Japan; [Asada, Hidetsugu; Shimura, Yuki; Nomura, Norimichi; Iwata, So; Kobayashi, Takuya] JST, Strateg Basic Res Program, Membrane Prot Crystallng Project, Kyoto, Japan; [Yoshida, Suguru; Kuribara, Tomoko; Hosoya, Takamitsu] Tokyo Med & Dent Univ, Inst Biomat & Bioeng, Lab Chem Biosci, Chiyoda Ku, Tokyo, Japan; [Sugimoto, Yukihiko; Nanamiya, Shun; Kobayashi, Takuya] Japan Agcy Med Res & Dev AMED, CREST, Chiyoda Ku, Tokyo, Japan; [Sato, Miwa] Mitsui Knowledge Ind Co, Biomed Dept, Minato Ku, Tokyo, Japan; [Hirokawa, Takatsugu] Univ Tsukuba, Fac Med, Div Biomed Sci, Tsukuba, Ibaraki, Japan; [Nanamiya, Shun] Kyoto Univ, Med Innovat Ctr, Sakyo Ku, Grad Sch Med, Kyoto, Japan; [Toyoda, Yosuke] Tsinghua Univ, Sch Med, Beijing, Peoples R China	10.1038/s41588-018-0131-3	https://doi.org/10.1038/s41588-018-0131-3	WOS:000452634100011	9	201901
Microwave amplification in a magnetic tunnel junction induced by heat-to-spin conversion at the nanoscale	NATURE NANOTECHNOLOGY	14	40	[Goto, Minor; Minori, Mwa; Shinji, Suzuki; Yoshishige] Osaka Univ, Ctr Spintron Res Network, Grad Sch Engr Sci, Toyonaka, Osaka, Japan; [Goto, Minor; Nikita, Demy, Bernard] Grenoble Alpes Univ, CEA, CNRS, Grenoble INP, JAC-SPINTEC, Grenoble, France; [Strelkov, Nikita] Moscow Lomonosov State Univ, Dept Chem, Moscow, Russia; [Kubota, Hideshi; Yakushiji, Kay; Fukushima, Akio; Yuasa, Shinji] Natl Inst Adv Ind Sci & Technol, Spintron Res Ctr, Tsukuba, Ibaraki, Japan; [Miwa, Shinji] Univ Tokyo, Inst Solid State Phys, Kashiwa, Chiba, Japan	10.1038/s41565-018-0306-9	https://doi.org/10.1038/s41565-018-0306-9	WOS:00045454946900016	1	201901
Strategic advantages of reactive polyiodide melts for scalable perovskite photovoltaics	NATURE NANOTECHNOLOGY	14	57	[Turkevych, Ivan; Umano, Toshiyuki; Aramaki, Shinji] Chem Mat Evaluat & Res Base CEREBA, Tsukuba, Ibaraki, Japan; [Turkevych, Ivan] Univ Tokyo, Res Ctr Adv Sci & Technol, Tokyo, Japan; [Kazaei, Said; Kondo, Michio] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki, Japan; [Belich, Nikolai A.; Grishin, Aleksei V.; Faleev, Sergei A.; Petrov, Andrey A.; Goudin, Eugene A.; Tarasov, Alexey B.] Lomonosov Moscow State Univ MSU, Dept Mat Sci, Lab New Mat Solar Engrg, Moscow, Russia; [Kosor, Sonya] Okinawa Inst Sci & Technol, Onna, Okinawa, Japan; [Goodlin, Eugene A.; Tarasov, Alexey B.] Lomonosov Moscow State Univ MSU, Dept Chem, Lab Inorgan Mat, Moscow, Russia; [Grazetel, Michael] Ecole Polytech Fed Lausanne, Lab Photon & Interfaces, Inst Chem Sci & Engr, Lausanne, Switzerland	10.1038/s41565-018-0304-y	https://doi.org/10.1038/s41565-018-0304-y	WOS:00045454946900019	5	201901
Photoredox-catalyzed decarboxylative alkylation/cyclization of alkynylphosphine oxides: a metal- and oxidant-free method for accessing benzylphosphine oxides	CHEMICAL COMMUNICATIONS	55	233	[Liu, Lixin; Yan, Yany; Yin, Shuang-Feng; Zhou, Yongbo] Hunan Univ, Coll Chem & Chem Engr, State Key Lab Chemo Biosensing & Chemometr, Changsha 410002, Hunan, Peoples R China; [Dong, Jian] Hunan First Normal Univ, Dept Educ Sci, Changsha 410205, Hunan, Peoples R China; [Han, Li-Biao] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058565, Japan	10.1039/c8cc06898c	https://doi.org/10.1039/c8cc06898c	WOS:000453911200017	2	201901
Smallest Optical Gap for Pt(II)-Pt(IV) Mixed-Valence Pt-Cl and Pt-Br Chain Complexes Achieved by Using a Multiple-Hydrogen-Bond Approach	INORGANIC CHEMISTRY	58	114	[Man, M. Raseel; Iguchi, H.; Takashi, S.; Ahn, U.; Yamashita, M.] Tohoku Univ, Grad Sch Sci, Dept Chem, 6-3 Aza Aoba, Sendai, Miyagi 9808578, Japan; [Yamamoto, T.] Okinawa Inst Sci & Technol, Res Ctr Frontier Sci, Dept Adv Mat Sci, Kashiwa, Chiba 278561, Japan; [Okamoto, H.] Natl Inst Adv Ind Sci & Technol, AIST U-toyko Adv Operando Measurement Technol Open, Kashiwa, Chiba 278568, Japan; [Yamashita, M.] Tohoku Univ, Adv Inst Mat Res, Aoba Ku, 2-1-1 Katahira, Sendai, Miyagi 9808577, Japan; [Yamashita, M.] Nankai Univ, Sch Mat Sci & Engr, Tianjin 300350, Peoples R China	10.1021/acs.inorgchem.8b01910	https://doi.org/10.1021/acs.inorgchem.8b01910	WOS:000455289000023	1	201901
High-Pressure Synthesis of A2(NiO2)Ag2Zr2Se2 (A = Sr, Ba) with a High-Spin Ni2+ in Square-Planar Coordination	ANGEWANDETE CHEMIE-INTERNATIONAL EDITION	58	756	[Matsumoto, Yuki; Yamamoto, Takafumi; Takatsu, Hiroshi; Murakami, Taizo; Tassel, Cedric; Kageyama, Hiroshi] Kyoto Univ, Grad Sch Engr, Kyoto 6158510, Japan; [Nakano, Kousuke; Hong, Kenta; Maezono, Ryo] JAIST, Sch Inform Sci, Asahidai 1-1, Nomri, Ishikawa 9231292, Japan; [Hong, Kenta] JAIST, Res Ctr Adv Comp Infrastruct, Asahidai 1-1, Nomri, Ishikawa 9231292, Japan; [Hong, Kenta] Natl Inst Mat Sci, Tsukuba, Ibaraki 3050407, Japan; [Hong, Kenta] PRESTO, Tokyo, Japan; [Hong, Kenta; Maezono, Ryo] RIKEN, Computat Engrn Applicat Unit, 2-1-1 Hirosawa, Wako, Saitama 3501386, Japan; [Ogino, Hiroyuki; Song, Dongjiao] AIST, Elect & Photon Res Inst, Ibaraki 3058568, Japan; [Brown, Craig M.] NIST, Ctr Neutron Res, Gaithersburg, MD 20899 USA	10.1002/anie.201810161	https://doi.org/10.1002/anie.201810161	WOS:0004550373700015	0	201901

Chemical, microstructural and chronological record of phosphates in the Ksar Ghilane 002 enriched shergottite	GEOCHIMICA ET COSMOCHIMICA ACTA	245	385	[Roszjar, J.] Nat Hist Museum Vienna, Dept Mineral & Petrog, Burggring 7, A-1010 Vienna, Austria; [Whitehouse, M. J.] Swedish Museum Nat Hist, Dept Geosci, SE-10405 Stockholm, Sweden; [Terada, K.] Osaka Univ, Dept Earth & Space Sci, Grad Sch Sci, 1-1 Machikaneyama Cho, Toyonaka, Osaka 5600043, Japan; [Fukuda, K.; Hiyaogon, H.] Univ Tokyo, Dept Earth & Planetary Sci, 7-3-1 Hongo, Tokyo 1130033, Japan; [Fukuda, K.] Univ Wisconsin, WiscSIMS, Dept Geosci, 1215 W Dayton St, Madison, WI 53706 USA; [John, T.] Free Univ Berlin, Inst Geol Wissensch, Moltkestr 74-100, D-12249 Berlin, Germany; [Bischoff, A.] Westfälische Wilhelms Univ, Inst Planetol, Wilhelm Klemm Str 10, D-48149 Münster, Germany; [Moriishita, Y.] Shizuoka Univ, Fac Sci, 836 Ohya, Shizuoka 4228529, Japan; [Moriishita, Y.] Natl Inst Adv Ind Sci & Technol, Tsukuba, Ibaraki 3058567, Japan	10.1016/j.gca.2018.11.015	https://doi.org/10.1016/j.gca.2018.11.015	WOS:000453771600023	0	201901
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