7．登録論文の被引用数

PF の論文成果としてこれまでに登録された論文（20631 報）について，Scopus を元に 2024 年 7 月時点での被引用数を調査した。全期間，直近 10 年，および各年の登録論文において，被引用数の上位 10 位までにランクされる論文を以下に紹介する。

全期間の被引用数 Top10（1983 ～ 2023 年）

論文タイトル	著者名	雑誌名	発行年	使用 BL	被引用数
Magnetic Control of Ferroelectric Polarization	T.Kimura, T.Goto, H.Shintani, K.Ishizaka, T.Arima and Y.Tokura	Nature	2003	4C	**4194**
Atomic Structure and Chemistry of Human Serum Albumin	X.M.He and D.C.Carter	Nature	1992	14A	**3657**
Ordered Nanoporous Arrays of Carbon Supporting High Dispersions of Platinum Nanoparticles	S.H.Joo, S.J.Choi, I.Oh, J.Kwak, Z.Liu, O.Terasaki and R.Ryoo	Nature	2001	10B	**2453**
Structure at 2.8 Å Resolution of Cytochrome c Oxidase from *Paracoccus denitrificans*	S.Iwata, C.Ostermeier, B.Ludwig and H.Michel	Nature	1995	6A	**2007**
The Whole Structure of the 13-Subunit Oxidized Cytochrome c Oxidase at 2.8 Å	T.Tsukihara, H.Aoyama, E.Yamashita, T.Tomizaki, H.Yamaguchi, K.Shinzawa-Itoh, R.Nakashima, R.Yaono and S.Yoshikawa	Science	1996	6A	**1979**
P2-Type $Na_x[Fe_{1/2}Mn_{1/2}]O_2$ made from Earth-Abundant Elements for Rechargeable Na Batteries	N.Yabuuchi, M.Kajiyama, J.Iwatate, H.Nishikawa, S.Hitomi, R.Okuyama, R.Usui, Y.Yamada and S.Komaba	Nature Materials	2012	12C	**1904**
The Selective Autophagy Substrate P62 Activates the Stress Responsive Transcription Factor Nrf2 through Inactivation of Keap1	M.Komatsu, H.Kurokawa, S.Waguri, K.Taguchi, A.Kobayashi, Y.Ichimura, Y.-S.Sou, I.Ueno, A.Sakamoto, K.I.Tong, M.Kim, Y.Nishito, S.-I.lemura, T.Natsume, T.Ueno, E.Kominami, H.Motohashi, K.Tanaka and M.Yamamoto	Nature Cell Biology	2010	NW12A	**1865**
Highly Efficient Water Splitting into H_2 and O_2 over Lanthanum-Doped $NaTaO_3$ Photocatalysts with High Crystallinity and Surface Nanostructure	H.Kato, K.Asakura and A.Kudo	Journal of the American Chemical Society	2003	9A	**1623**
Inkjet Printing of Single-Crystal Films	H.Minemawari, T.Yamada, H.Matsui, J.Tsutsumi, S.Haas, R.Chiba, R.Kumai and T.Hasegawa	Nature	2011	8A	**1594**
Experimental Evidence for Epitaxial Silicene on Diboride Thin Films	A.Fleurence, R.Friedlein, T.Ozaki, H.Kawai, Y.Wang, Y.Yamada-Takamura	Physical Review Letters	2012	18A	**1475**

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直近 10 年の被引用数 Top10（2014 ～ 2023 年）

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A 3.8-V Earth-Abundant Sodium Battery Electrode	P.Barpanda, G.Oyama, S.-L.Nishimura, S.-C.Chung and A.Yamada	Nature Communi-cations	2014	3A, 4B2	**663**
Self-Assembly of Tetravalent Goldberg Polyhedra from 144 Small Components	D.Fujita, Y.Ueda, S.Sato, N.Mizuno, T.Kumasaka, M.Fujita	Nature	2016	1A	**464**
Evidence for Magnetic Weyl Fermions in a Correlated Metal	K.Kuroda, T.Tomita, M.-T.Suzuki, C.Bareille, A.A.Nugroho, P.Goswami, M.Ochi, M.Ikhlas, M.Nakayama, S.Akebi, R.Noguchi, R.Ishii, N.Inami, K.Ono, H.Kumigashira, A.Varykhalov, T.Muro, T.Koretsune, R.Arita, S.Shin, T.Kondo, S.Nakatsuji	Nature Materials	2017	28A,28B	**461**
Sodium-Ion Intercalation Mechanism in MXene Nanosheets	S.Kajiyama, L.Szabova, K.Sodeyama, H.Iinuma, R.Morita, K.Gotoh, Y.Tateyama, M.Okubo, A.Yamada	ACS Nano	2016	9C	**455**
Ultrathin Rhodium Nanosheets	H.Duan, N.Yan, R.Yu, C.-R.Chang, G.Zhou, H.-S.Hu, H.Rong, Z.Niu, J.Mao, H.Asakura, T.Tanaka, P.J.Dyson, J.Li and Y.Li	Nature Communications	2014	NW10A	**438**
Extremely Stretchable Thermosensitive Hydrogels by Introducing Slide-Ring Polyrotaxane Cross-Linkers and Ionic Groups into the Polymer Network	A.Bin Imran, K.Esaki, H.Gotoh, T.Seki, K.Ito, Y.Sakai, Y.Takeoka	Nature Communication	2014	15A, 10C, 6A	**435**
Skyrmion Lattice with a Giant Topological Hall Effect in a Frustrated Triangular-Lattice Magnet	T.Kurumaji, T.Nakajima, M.Hirschberger, A.Kikkawa, Y.Yamasaki, H.Sagayama, H.Nakao, Y.Taguchi, T.-H.Arima, Y.Tokura	Science	2019	3A	**432**
A Series of NiM(M = Ru, Rh, and Pd) Bimetallic Catalysts for Effective Lignin Hydrogenolysis in Water	J.Zhang, J.Teo, X.Chen, H.Asakura, T.Tanaka, K.Teramura and N.Yan	ACS Catalysis	2014	NW10A	**420**
High-Capacity Electrode Materials for Rechargeable Lithium Batteries: Li_3NbO_4-Based System with Cation-Disordered Rocksalt Structure	N.Yabuuchi, M.Takeuchi, M.Nakayama, H.Shiiba, M.Ogawa, K.Nakayama, T.Ohta, D.Endo, T.Ozaki, T.Inamasu, K.Sato, S.Komaba	Proceedings of the National Academy of Sciences of the United States of America	2015	9C	**411**
PLEKHM1 Regulates Autophagosome-Lysosome Fusion through HOPS Complex and LC3/GABARAP Proteins	D.G.McEwan, D.Popovic, A.Gubas, S.Terawaki, H.Suzuki, D.Stadel, F.P.Coxon, D. MirandadeStegmann, S.Bhogaraju, K. Maddi, A.Kirchof, E.Gatti, M.H.Helfrich, S.Wakatsuki, C.Behrends, P. Pierre, I.Dikic	MOLECULAR CELL	2015	5A	**401**

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Macromolecular Organic Matter in Samples of the Asteroid (162173) Ryugu	H.Yabuta *et.al.,*	Science	19A,19B	50
NH_4Cl-Assisted Preparation of Single Ni Sites Anchored Carbon Nanosheet Catalysts for Highly Efficient Carbon Dioxide Electroreduction	D.Ping, F.Yi G.Zhang, S.Wu, S.Fang, K.Hu, B.B.Xu, J.Ren, Z.Guo	Journal of Materials Science and Technology	12C	46
Evolution of Short-Range Order and Its Effects on the Plastic Deformation Behavior of Single Crystals of the Equiatomic Cr-Co-Ni Medium-Entropy Alloy	L.Li, Z.Chen, S.Kuroiwa, M.Ito K.Yuge, K.Kishida, H.Tanimoto, Y.Yu, H.Inui, E.P.George	Acta Materialia	12C	43
A near Dimensionally Invariable High-Capacity Positive Electrode Material	I. Konuma, D.Goonetilleke, N.Sharma, T.Miyuki, S.Hiroi, K.Ohara, Y.Yamakawa, Y.Morino, H.B.Rajendra, T.Ishigaki, N.Yabuuchi	Nature Materials	9C	28
Impact of Ti and Zn Dual-Substitution in P2 Type $Na_{2/3}Ni_{1/3}Mn_{2/3}O_2$ on Ni–Mn and Na-Vacancy Ordering and Electrochemical Properties	K.Kubota, T.Asari, S.Komaba	Advanced Materials	12C	28
Platinum Nanosheets Synthesized via Topotactic Reduction of Single-Layer Platinum Oxide Nanosheets for Electrocatalysis	D.Takimoto, S.Toma, Y.Suda, T.Shirokura, Y. Tokura, K.Fukuda, M.Matsumoto, H.Imai, W.Sugimoto W	Nature Communications	6C	22
A Bacterial Sulfoglycosidase Highlights Mucin *O*-Glycan Breakdown in the Gut Ecosystem	T. Katoh, C.Yamada, M.D.Wallace, A.Yoshida, A.Gotoh, M.Arai, T.Maeshibu, T.Kashima, A.Hagenbeek, M.N.Ojima, H.Takada, M.Sakanaka, H. Shimizu, K.Nishiyama, H.Ashida, J.Hirose, M.Suarez-Diez, M.Nishiyama, I.Kimura, K.A.Stubbs, S.Fushinobu, T.Katayama	Nature Chemical Biology	1A, 17A, NE3A, NW12A, 5A	16
Phase Transition Behavior and Optical Properties of F/Mo co-doped VO_2 for Smart Windows	N.Suzuki, Y.Xue, T.Hasegawa, S.Yin	Solar Energy Materials and Solar Cells	12C	16
Highly Efficient and Stable Photothermal Catalytic CO_2 Hydrogenation to Methanol over Ru/In_2O_3 under Atmospheric Pressure	B.Deng H.Song, Q.Wang, J.Hong, S.Song, Y. Zhang, K.Peng, H.Zhang, T.Kako, J.Ye	Applied Catalysis B: Environmental	NW10A	15

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Virological Characteristics of the SARS-CoV-2 Omicron BA.2 Subvariants, Including BA.4 and BA.5	I.Kimura, *et.al.,*	Cell	17A	143
3CL Protease Inhibitors with an Electrophilic Arylketone Moiety as Anti-SARS-CoV-2 Agents	S.Konno, K.Kobayashi, M.Senda, Y.Funai, Y.Seki, I.Tamai, L.Schäkel, K.Sakata, T.Pillaiyar, A.Taguchi, A.Taniguchi, M.Gütschow, C.E.Müller, K.Takeuchi, M.Hirohama, A.Kawaguchi, M.Kojima, T.Senda, Y.Shirasaka, W.Kamitani, Y.Hayashi	Journal of Medicinal Chemistry	17A	81
Discovery of Non-Squalene Triterpenes	H.Tao, L.Lauterbach, G.Bian, R.Chen, A.Hou, T.Mori, S.Cheng, B.Hu, L.Lu, X.Mu, M.Li, N.Adachi, M.Kawasaki, T.Moriya, T.Senda, X.Wang, Z.Deng, I.Abe, J.S.Dickschat, T.Liu	Nature	1A	67
Coexistence of Fe Nanoclusters Boosting Fe Single Atoms to Generate Singlet Oxygen for Efficient Aerobic Oxidation of Primary Amines to Imines	Z.Ma, S.Liu, N.Tang, T.Song, K.Motokura, Z.Shen, Y.Yang	ACS Catalysis	9C	60
High-Entropy Intermetallics Serve Ultrastable Single-Atom Pt for Propane Dehydrogenation	Y.Nakaya, E.Hayashida, H.Asakura, S.Takakusagi, S.Yasumura, K.-I.Shimizu, S.Furukawa	Journal of the American Chemical Society	9A	56
Structural Changes of Spinel MCo_2O_4(M = Mn, Fe, Co, Ni, and Zn) Electrocatalysts during the Oxygen Evolution Reaction Investigated by in Situ X-Ray Absorption Spectroscopy	M.Harada, Kotegawa, M.Kuwa	ACS Applied Energy Materials	9C	47
Rapid and Efficient Chromium (VI) Removal from Aqueous Solutions using Nickel Hydroxide Nanoplates (nNiHs)	I.Maamoun, K.Bensaida, R.Eljamal, O.Falyouna, K.Tanaka, T.Tosco, Y.Sugihara, O.Eljamal	Journal of Molecular Liquids	27B	47
Zoology of Multiple-Q Spin Textures in a Centrosymmetric Tetragonal Magnet with Itinerant Electrons	N.D.Khanh, T.Nakajima, S.Hayami, S.Gao, Y.Yamasaki, H.Sagayama, H.Nakao, R.Takagi, Y.Motome, Y.Tokura, T.-H.Arima, S.Seki	Advanced Science	3A	46
Nanoengineering of Curved Supramolecular Polymers: Toward Single-Chain Mesoscale Materials	S.Datta, S.Takahashi, S.Yagai	Accounts of Materials Research	10C	45
Intrinsically Low Thermal Conductivity in the n-Type Vacancy-Ordered Double Perovskite Cs_2SnI_6: Octahedral Rotation and Anharmonic Rattling	A.Bhui, T.Ghosh, K.Pal, K.Singh Rana, K.Kundu, A.Soni A, K.Biswas	Chemistry of Materials	18B	36
Identification of a Diarylpentanoid-Producing Polyketide Synthase Revealing an Unusual Biosynthetic Pathway of 2-(2-phenylethyl)Chromones in Agarwood	X.-H.Wang, B.-W.Gao, Y.Nakashima, T.Mori Z.-X.Zhang, T.Kodama, Y.-E.Lee, Z.-K. Zhang, C.-P.Wong, Q.-Q.Liu, B.-W.Qi, J. Wang, J.Li, X.Liu, I.Abe, H.Morita, P.-F.Tu, S.-P.Shi	Nature Communications	1A	36

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Humoral Immune Response to Circulating SARS-CoV-2 Variants Elicited by Inactivated and RBD-Subunit Vaccines	Y.Cao, A.Yisimayi, Y.Bai, W.Huang, X.Li, Z.Zhang, T.Yuan, R.An, J.Wang, T.Xiao, S. Du, W.Ma, L.Song, Y.Li, X.Li, W.Song, J.Wu, S.Liu, X.Li, Y.Zhang, B.Su, X.Guo, Y.Wei, C.Gao, N.Zhang, Y.Zhang, Y.Dou, X.Xu, R.Shi, B.Lu, R.Jin, Y.Ma, C.Qin, Y.Wang, Y. Feng, J.Xiao and X.S.Xie	Cell Research	1A	112
Evidence for a Higher-Order Topological Insulator in a Three-Dimensional Material Built from Van Der Waals Sacking of Bismuth-Halide Chains	R.Noguchi, M.Kobayashi, Z.Jiang, K.Kuroda, T.Takahashi, Z.Xu, D.Lee, M.Hirayama, M.Ochi, T.Shirasawa, P. Zhang, C.Lin, C.Bareille, S.Sakuragi, H.Tanaka, S.Kunisada, K.Kurokawa, K.Yaji, A.Harasawa, V.Kandyba, A.Giampietri, A.Barinov, T.K.Kim, C.Cacho, M.Hashimoto, D.Lu, S.Shin, R.Arita, K.Lai, T.Sasagawa and T.Kondo	Nature Materials	3A	100
Multiple Energy Scales and Anisotropic Energy Gap in the Charge-Density-Wave Phase of the Kagome Superconductor CsV_3Sb_5	K.Nakayama, Y.Li, T.Kato, M.Liu, Z.Wang, T.Takahashi, Y.Yao and T.Sato	Physical Review B	28A	100
Influence of Phosphorus Doping on Triazole-Based g-C_3N_5Nanosheets for Enhanced Photoelectrochemical and Photocatalytic Performance	C.Hu, Y.-H.Lin, M.Yoshida, S.Ashimura	ACS Applied Materials and Interfaces	7A,9A	72
Metavalent Bonding in GeSe Leads to High Thermoelectric Performance	D.Sarkar, S.Roychowdhury, R.Arora, T.Ghosh, A.Vasdev, B.Joseph, G.Sheet, U.V.Waghmare and K.Biswas	Angewandte Chemie - International Edition	18B	65
Dissociative and Associative Concerted Mechanism for Ammonia Synthesis over Co-Based Catalyst	T.-N.Ye, S.-W.Park, Y.Lu, J.Li, J.Wu, M.Sasase, M.Kitano, H.Hosono	Journal of the American Chemical Society	12C	57
Ruthenium Catalysts Promoted by Lanthanide Oxyhydrides with High Hydride-Ion Mobility for Low-Temperature Ammonia Synthesis	K.Ooya, J.Li, K.Fukui, S.Iimura, T.Nakao, K.Ogasawara, M.Sasase, H.Abe, Y.Niwa, M.Kitano and H.Hosono	Advanced Energy Materials	NW10A	55
MIL-88B(Fe)-Coated Photocatalytic Membrane Reactor with Highly Stable Flux and Phenol Removal Efficiency	C.Hu, M.Yoshida, P.-H.Huang, S.Tsunekawa, L.-B.Hou, C.-H.Chen and K.-L.Tung	Chemical Engineering Journal	9A	52
Design of Highly Stable MgO Promoted Cu/ZnO Catalyst for Clean Methanol Production through Selective Hydrogenation of CO_2	S.K.Sharma, T.S.Khan, R.K.Singha, B.Paul, M.K.Poddar, T.Sasaki, A.Bordoloi, C.Samanta, S.Gupta, R.Bal	Applied Catalysis A: General	9C	49

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Mechanism of Sodium Storage in Hard Carbon: An X-Ray Scattering Analysis	Y.Morikawa, S.-I.Nishimura, R.-I.Hashimoto, M.Ohnuma, A.Yamada	Advanced Energy Materials	8B	163
Mn^{2+} Directly Activates cGAS and Structural Analysis Suggests Mn^{2+} Induces a Noncanonical Catalytic Synthesis of 2′3′-cGAMP	Z.Zhao, Z.Ma, B.Wang, Y.Guan, X.-D.Su, Z.Jiang	Cell Reports	1A	153
Versatile Whole-Organ/Body Staining and Imaging Based on Electrolyte-Gel Properties of Biological Tissues	E. A.Susaki, C.Shimizu, A.Kuno, K.Tainaka, X.Li, K.Nishi, K.Morishima, H.Ono, K.L.Ode, Y.Saeki, K.Miyamichi, K.Isa, C.Yokoyama, H.Kitaura, M.Ikemura, T.Ushiku, Y.Shimizu, T.Saito,T.C.Saido, M.Fukayama, H.Onoe, K.Touhara, T.Isa, A.Kakita, M.Shibayama and H.R.Ueda	Nature Communications	10C	120
Stable Single Platinum Atoms Trapped in Sub-Nanometer Cavities in $12CaO{\cdot}7Al_2O_3$ for Chemoselective Hydrogenation of Nitroarenes	T.-N.Ye, Z.Xiao, J.Li, Y.Gong, H.Abe, Y.Niwa, M.Sasase, M.Kitano and H.Hosono	Nature Communications	12C	102
Sulfur-Doped g-C_3N_4 Nanosheets for Photocatalysis: Z-scheme Water Splitting and Decreased Biofouling	Y.-R.Lin, G.V.C. Dizon, K.Yamada, C.-Y.Liu, A.Venault, H.-Y.Lin, M.Yoshida and C.Hu	Journal of Colloid and Interface Science	9A	100
Intrinsically Ultralow Thermal Conductivity in Ruddlesden-Popper 2D Perovskite $Cs_2PbI_2Cl_2$: Localized Anharmonic Vibrations and Dynamic Octahedral Distortions	P.Acharyya, T.Ghosh, K.Pal, K.Kundu, K.Singh Rana, J.Pandey, A.Soni, U.V.Waghmare and K.Biswas	Journal of the American Chemical Society	18B	93
CH7233163 Overcomes Osimertinib-Resistant EGFR-Del19/T790M/C797S Mutation	K.Kashima, H.Kawauchi, H.Tanimura, Y.Tachibana, T.Chiba, T.Torizawa, H. Sakamoto	Molecular Cancer Therapeutics	17A	93
Radial Spin Texture in Elemental Tellurium with Chiral Crystal Structure	M.Sakano, M.Hirayama T.Takahashi, S.Akebi, M.Nakayama, K.Kuroda, K.Taguchi, T.Yoshikawa, K.MiyamotoT.Okuda, K.Ono, H.Kumigashira, T.Ideue, Y.Iwasa, N.Mitsuishi, K.shizaka, S.Shin, T.Miyake, S.Murakami T.Sasagawa, T.Kondo.	Physical Review Letters	28A,28B	86
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Atg2 Mediates Direct Lipid Transfer between Membranes for Autophagosome Formation	T.Osawa, T.Kotani, T.Kawaoka, E.Hirata, K.Suzuki, H.Nakatogawa, Y.Ohsumi and N.N.Noda	Nature Structural & Molecular Biology	1A,17A	285
Skyrmion Phase and Competing Magnetic Orders on a Breathing Kagomé Lattice	M.Hirschberger, T.Nakajima, S.Gao, L.Peng, A.Kikkawa, T.Kurumaji, M.Kriener, Y.Yamasaki, H.Sagayama, H.Nakao and K.Ohishi	Nature Communications	3A	213
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Boosting Electrochemical Water Splitting: via Ternary NiMoCo Hybrid nanowire Arrays	K.Hu, M.Wu, S.Hinokuma, T.Ohto, M.Wakisaka, J.-I.Fujita and Y.Ito	Journal of Materials Chemistry A	9C	168
An Al-Doped $SrTiO_3$ Photocatalyst Maintaining Sunlight-Driven Overall Water Splitting Activity for over 1000 h of Constant Illumination	H.Lyu, T.Hisatomi, Y.Goto, M.Yoshida, T.Higashi, M.Katayama, T.Takata, T.Minegishi, H.Nishiyama, T.Yamada, Y. Sakata, K.Asakura and K.Domen	Chemical Science	NW10A	166
Structural Basis for Blue-Green Light Harvesting and Energy Dissipation in Diatoms	W.Wang, L.-J.Yu, C.Xu, T.Tomizaki, S.Zhao, Y.Umena, X.Chen, X.Qin, Y.Xin, M.Suga, G.Han, T.Kuang, and J.-R. Shen	Science	1A	165
A Weak Topological Insulator State in Quasi-One-Dimensional Bismuth Iodide	R.Noguchi, T.Takahashi, K.Kuroda, M.Ochi, T.Shirasawa, M.Sakano, C.Bareille, M.Nakayama, M.D.Watson, K.Yaji, A.Harasawa, H.Iwasawa, P.Dudin, T.K.Kim, M.Hoesch, V.Kandyba, A.Giampietri, A.Barinov, S.Shin, R.Arita, T.Sasagawa and T.Kondo	Nature	18B	119
Low-Temperature Synthesis of Perovskite Oxynitride-Hydrides as Ammonia Synthesis Catalysts	M.Kitano, J.Kujirai, K.Ogasawara, S.Matsuishi, T.Tada, H.Abe, Y.Niwa, H.Hosono	Journal of the American Chemical Society	NW10A	118

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The Smart Surface Modification of Fe_2O_3 by WO_x for Significantly Promoting the Selective Catalytic Reduction of NO_x with NH_3	F.Liu, W.Shan, Z.Lian, J.Liu and H.He	Applied Catalysis B-Evironmental	9C，12C，NW10A	192
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Dynamic Ionic Crosslinks Enable High Strength and Ultrastretchability in a Single Elastomer	Y.Miwa, J.Kurachi, Y.Kohbara and S.Kutsumizu	Communications Chemistry	6A	123
Structure of Photosynthetic LH1-RC Supercomplex at 1.9 Å Resolution	L.J.Yu, M.Suga, Z.Y.Wang-Otomo and J.R.Shen	Nature	1A	111
Optically Transparent, High-Toughness Elastomer using a Polyrotaxane Cross-Linker as a Molecular Pulley	H.Gotoh, C.Liu, A.B.Imran, M.Hara, T.Seki, K.Mayumi, K.Ito, Y.Takeoka	Science Advances	6A	106
Toll-like Receptor 9 Contains Two DNA Binding Sites that Function Cooperatively to Promote Receptor Dimerization and Activation	U.Ohto, H. Ishida, T.Shibata, R.Sato, K. Miyake and T.Shimizu	Immunity	NE3A	99
Structural Basis for Amino Acid Transport by the CAT Family of SLC7 Transporters	K.E.J.Jungnickel, J.L.Parker and S.Newstead	Nature Communications	1A	96
Structural Analyses of Toll-like Receptor 7 Reveal Detailed RNA Sequence Specificity and Recognition Mechanism of Agonistic Ligands	Z.Zhang, U.Ohto, T.Shibata, M.Taoka, Y. Yamauchi, R.Sato, N.M.Shukla, S.A.David, T.Isobe, K.Miyake, T.Shimizu	Cell Reports	NE3A,5A	94

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Dirac Fermions in Borophene	B.Feng, O.Sugino, R.-Y.Liu, J.Zhang, R.Yukawa, M.Kawamura, T.Iimori, H.Kim, Y.Hasegawa, H.Li, L.Chen, K.Wu, H.Kumigashira, F.Komori, T.-C.Chiang, S.Meng and I.Matsuda	Physical Review Letters	2A,2B	382
Enhanced Li-Ion Accessibility in MXene Titanium Carbide by Steric Chloride Termination	S.Kajiyama, L.Szabova, H.Iinuma, A.Sugahara, K.Gotoh, K.Sodeyama, Y.Tateyama, M.Okubo and A.Yamada	Advanced Energy Materials	9C	231
Phosphorylation of the Mitochondrial Autophagy Receptor Nix Enhances its Interaction with LC3 Proteins	V.V.Rogov, H.Suzuki, M.Marinković, V.Lang, R.Kato, M.Kawasaki, M.Buljubašić, M.Šprung, N.Rogova, S.Wakatsuki, A.Hamacher-Brady, V.Dötsch, I.Dikic, N.R.Brady and I.Novak	Scientific Reports	NW12A	201
A Metallo-DNA Nanowire with Uninterrupted One-Dimensional Silver Array	J.Kondo, Y.Tada, T.Dairaku, Y.Hattori, H.Saneyoshi, A.Ono and Y.Tanaka	Nature Chemistry	5A, 1A	168
Platinum Clusters with Precise Numbers of Atoms for Preparative-Scale Catalysis	T.Imaoka, Y.Akanuma, N.Haruta, S.Tsuchiya, K.Ishihara, T.Okayasu, W.-J.Chun, M.Takahashi and K.Yamamoto	Nature Communications	12C, 9A	132
P′2-$Na_{2/3}Mn_{0.9}Me_{0.1}O_2$ (Me = Mg, Ti, Co, Ni, Cu, and Zn): Correlation between Orthorhombic Distortion and Electrochemical Property	S.Kumakura, Y.Tahara, S.Sato, K.Kubota and S.Komaba	Chemistry of Materials	9C	130
Structure of the Complete Elongation Complex of RNA Polymerase II with Basal Factors	H.Ehara, T.Yokoyama, H.Shigematsu, S.Yokoyama, M.Shirouzu and S.I.Sekine	Science	NE3A	129
Structure of the Dnmt1 Reader Module Complexed with a Unique Two-Mono-Ubiquitin Mark on Histone H3 Reveals the Basis for DNA Methylation Maintenance.	S.Ishiyama, A.Nishiyama, Y.Saeki, K.Moritsugu, D.Morimoto, L.Yamaguchi N.Arai, R.Matsumura T.Kawakami, Y.Mishima, H.Hojo, S.Shimamura, F.Ishikawa, S.Tajima, K.Tanaka, M.Ariyoshi, M.Shirakawa, M.Ikeguchi, A.Kidera, I.Suetake, K.Arita, M.Nakanishi	Molecular Cell	17A	116
Enhanced Layered-Herringbone Packing due to Long Alkyl Chain Substitution in Solution-Processable Organic Semiconductors	H.Minemawari, M.Tanaka, S.Tsuzuki, S.Inoue, T.Yamada, R.Kumai, Y.Shimoi, T.Hasegawa	Chemistry of Materials	8A,8B	116

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Sodium-Ion Intercalation Mechanism in MXene Nanosheets	S.Kajiyama, L.Szabova, K.Sodeyama, H.Iinuma, R.Morita, K.Gotoh, Y.Tateyama, M.Okubo and A.Yamada	ACS Nano	9C	455
DWARF14 is a Non-Canonical Hormone Receptor for Strigolactone	R.Yao, Z.Ming, L.Yan, S.Li, F.Wang, S.Ma, C.Yu, M.Yang, L.Chen, L.Chen, Y.Li, C.Yan, D.Miao, Z.Sun, J.Yan, Y.Sun, L.Wang, J.Chu, S.Fan, W.He, H.Deng, F.Nan, J.Li, Z.Rao, Z.Lou and D.Xie	Nature	NE3A	379
Origin of Stabilization and Destabilization in Solid-State Redox Reaction of Oxide Ions for Lithium-Ion Batteries	N.Yabuuchi, M.Nakayama, M.Takeuchi, S.Komaba, Y.Hashimoto, T.Mukai, H.Shiiba, K.Sato, Y.Kobayashi, A.Nakao, M.Yonemura, K.Yamanaka, K.Mitsuhara and T.Ohta	Nature Communications	12C	335
Structural Analysis Reveals that Toll-Like Receptor 7 is a Dual Receptor for Guanosine and Single-Stranded RNA	Z.Zhang, U.Ohto, T.Shibata, E.Krayukhina, M.Taoka, Y.Yamauchi, H.Tanji, T.Isobe, S.Uchiyama, K.Miyake and T.Shimizu	Immunity	NE3A	306
Self-Assembly of $M_{30}L_{60}$ Icosidodecahedron	D.Fujita, Y.Ueda, S.Sato, H.Yokoyama, N.Mizuno, T.Kumasaka, M.Fujita	Chem	1A	228
Intermediate Honeycomb Ordering to Trigger Oxygen Redox Chemistry in Layered Battery Electrode	B.M.de Boisse, G.Liu, J.Ma, S.Nishimura, S.Chung, H.Kiuchi, Y.Harada, J.Kikkawa, Y.Kobayashi, M.Okubo, A.Yamada	Nature Communications	8B	206
SARS-CoV 3CL Protease Cleaves its C-Terminal Autoprocessing Site by Novel Subsite Cooperativity	T.Muramatsu, C.Takemoto, Y.-T.Kim, H.Wang, W.Nishii, T.Terada, M.Shirouzu and S.Yokoyama	Proceedings of the National Academy of Sciences of the United States of America	NW12A, 5A	189
Quantum Hall Effect in a Bulk Antiferromagnet $EuMnBi_2$ with Magnetically Confined Two-Dimensional Dirac Fermions	H.Masuda, H.Sakai, M.Tokunaga, Y.Yamasaki, A.Miyake, J.Shiogai, S.Nakamura, S.Awaji, A.Tsukazaki, H.Nakao, Y.Murakami, T.-H.Arima, Y.Tokura and S.Ishiwata	Science Advances	3A	176
Synthesis of Highly Coke Resistant Ni Nanoparticles Supported MgO/ZnO Catalyst for Reforming of Methane with Carbon Dioxide	R.K.Singha, A.Yadav, A.Agrawal, A.Shukla, S.Adak, T.Sasaki and R.Bal	Applied Catalysis B: Environmental	7C, 9C	147

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PLEKHM1 Regulates Autophagosome-Lysosome Fusion through HOPS Complex and LC3/GABARAP Proteins	D.G.McEwan, D.Popovic, A.Gubas, S.Terawaki, H.Suzuki, D.Stadel, F.P.Coxon, D.MirandadeStegmann, S.Bhogaraju, K.Maddi, A.Kirchof, E.Gatti, M.H.Helfrich, S.Wakatsuki, C.Behrends, P.Pierre and I.Dikic	Molecular Cell	5A	401
Structural Basis of CpG and Inhibitory DNA Recognition by Toll-Like Receptor 9	U.Ohto, T.Shibata, H.Tanji, H.Ishida, E.Krayukhina, S.Uchiyama, K.Miyake and T.Shimizu	Nature	17A, NE3A	285
Toll-Like Receptor 8 Senses Degradation Products of Single-Stranded RNA	H.Tanji, U.Ohto, T.Shibata, M.Taoka, Y.Yamauchi, T.Isobe, K.Miyake and T.Shimizu	Nature Structural & Molecular Biology	5A, NE3A	280
High-Temperature Superconductivity in Potassium-Coated Multilayer FeSe Thin Films	Y.Miyata, K.Nakayama, K.Sugawara, T.Sato and T.Takahashi	Nature Materials	28A,28B	251
Use of Synchrotron Radiation-Analytical Techniques to Reveal Chemical Origin of Silver-Nanoparticle Cytotoxicity	L.Wang, T.Zhang, P.Li, W.Huang, J.Tang, P.Wang, J.Liu, Q.Yuan, R.Bai, B.Li, K.Zhang, Y.Zhao and C.Chen	ACS Nano	NW10A	241
Direct Observation of Bond Formation in Solution with Femtosecond X-Ray Scattering	K.Kim, J.Kim, S.Nozawa, T.Sato, K.Oang, T.Kim, H.Ki, J.Jo, S.Park, C.Song, T.Sato, K.Ogawa, T.Togashi, K.Tono, M.Yabashi, T.Ishikawa, J.Kim, R.Ryoo, J.Kim, H.Ihee and S.Adachi	Nature	NW14A	216
Structural and Mechanistic Basis of PAM-Dependent Spacer Acquisition in CRISPR-Cas Systems	J.Wang, J.Li, H.Zhao, G.Sheng, M.Wang, M.Yin and Y.Wang	Cell	1A, 17A, NW12A	208
Structural Basis for Self-Assembly of a Cytolytic Pore Lined by Protein and Lipid	K.Tanaka, J.M.M.Caaveiro, K.Morante, J.M.González-Manãs and K.Tsumoto	Nature Communications	5A, NW12A, NE3A	173
Pressure-Induced Superconductivity in the Iron-Based ladder Material $BaFe_2S_3$	H.Takahashi, A.Sugimoto, Y.Nambu, T.Yamauchi, Y.Hirata, T.Kawakami, M.Avdeev, K.Matsubayashi, F.Du, C.Kawashima, H.Soeda, S.Nakano, Y.Uwatoko, Y.Ueda, T.J.Sato, K.Ohgushi	Nature Materials	18C	168

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A Series of NiM(M = Ru, Rh, and Pd) Bimetallic Catalysts for Effective Lignin Hydrogenolysis in Water	J.Zhang, J.Teo, X.Chen, H.Asakura, T.Tanaka, K.Teramura and N.Yan	ACS Catalysis	NW10A	420
Valley-Dependent Spin Polarization in Bulk MoS_2 with Broken Inversion Symmetry	R.Suzuki, M.Sakano, Y.J.Zhang, R.Akashi, D.Morikawa, A.Harasawa, K.Yaji, K.Kuroda, K.Miyamoto, T.Okuda, K.Ishizaka, R.Arita and Y.Iwasa	Nature Nanotechnology	19A	377
Effect of Solution and Solid-Phase Conditions on the Fe(II)-Accelerated Transformation of Ferrihydrite to Lepidocrocite and Goethite	D.D.Boland, R.N.Collins, C.J.Miller, C.J.Glover and T.D.Waite	Environmental Science & Technology	20B	280
Highly Efficient, NiAu-Catalyzed Hydrogenolysis of Lignin into Phenolic Chemicals	J.Zhang, H.Asakura, J.V.Rijn, J.Yang, P.Duchesne, B.Zhang, X.Chen, P.Zhang, M.Saeys and N.Yan	Green Chemistry	NW10A	238
Reconstruction of Band Structure Induced by Electronic Nematicity in an FeSe Superconductor	K.Nakayama, Y.Miyata, G.N.Phan, T.Sato, Y.Tanabe, T.Urata, K.Tanigaki and T.Takahashi	Physical Review Letters	28A	237
Giant Seebeck Coefficient in Semiconducting Single-Wall Carbon Nanotube Film	Y.Nakai, K.Honda, K.Yanagi, H.Kataura, T.Kato, T.Yamamoto and Y.Maniwa	Applied Physics Express	8A, 8B	206
Lifting of *xz/yz* Orbital Degeneracy at the Structural Transition in Detwinned FeSe	T.Shimojima, Y.Suzuki, T.Sonobe, A.Nakamura, M.Sakano, J.Omachi, K.Yoshioka, M.Kuwata-Gonokami, K.Ono, H.Kumigashira, A.E.Bohmer, F.Hardy, T.Wolf, C.Meingast, H.V.Lohneysen, H.Ikeda and K.Ishizaka	Physical Review B	28A	204

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