

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（20070 報）について、Scopus を元に 2022 年 6 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（1983～2021 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	3808
Atomic Structure and Chemistry of Human Serum Albumin	X.M.He and D.C.Carter	Nature	1992	14A	3381
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	2360
Structure at 2.8 Å Resolution of Cytochrome c Oxidase from <i>Paracoccus denitrificans</i>	S.Iwata, C.Ostermeier, B.Ludwig and H.Michel	Nature	1995	6A	1958
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	1881
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	1620
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.Iemura, T.Natsume, T.Ueno, E.Kominami, H.Motohashi, K.Tanaka and M.Yamamoto	Nature Cell Biology	2010	NW12A	1492
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	1465
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	1397
Crystal Structure of Spinach Major Light-Harvesting Complex at 2.72 Å Resolution	Z.Liu, H.Yan, K.Wang, T.Kuang, J.Zhang, L.Gui, X.An and W.Chang	Nature	2004	6B, 6C	1326

※被引用数は 2022 年 6 月 Scopus 調べ

直近 10 年の被引用数 Top10 (2012 ~ 2021 年)

論文タイトル	著者名	雑誌名	発行年	使用 BL	被引用数
P2-Type $\text{Na}_x[\text{Fe}_{1/2}\text{Mn}_{1/2}]\text{O}_2$ 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	1620
Experimental Evidence for Epitaxial Silicene on Diboride Thin Films	A.Fleurence, R.Friedlein, T.Ozaki, H.Kawai, Y.Wang and Y.Yamada-Takamura	Physical Review Letters	2012	18A	1325
Experimental Realization of a Topological Crystalline Insulator in SnTe	Y.Tanaka, Z.Ren, T.Sato, K.Nakayama, S.Souma, T.Takahashi, K.Segawa and Y.Ando	Nature Materials	2012	28A	676
A 3.8-V Earth-Abundant Sodium Battery Electrode	P.Barpanda, G.Oyama, S.-L.Nishimura, S.-C.Chung and A.Yamada	Nature Communications	2014	3A, 4B2	552
Recent Advances in the Photocatalytic Conversion of Carbon Dioxide to Fuels with Water and/or Hydrogen using Solar Energy and Beyond	Y.Izumi	Coordination Chemistry Reviews	2013	7C, 9A, 9C, 12C, NW10A	516
Alkali-Metal-Promoted Pt/TiO ₂ Opens a More Efficient Pathway to Formaldehyde Oxidation at Ambient Temperatures	C.Zhang, F.Liu, Y.Zhai, H.Ariga, N.Yi, Y.Liu, K.Asakura, M.Flytzani-Stephanopoulos and H.He	Angewandte Chemie-International Edition	2012	7C, 12C	503
Molecular Basis of Binding between Novel Human Coronavirus MERS-CoV and its Receptor CD26	G.Lu, Y.Hu, Q.Wang, J.Qi, F.Gao, Y.Li, Y.Zhang, W.Zhang, Y.Yuan, J.Bao, B.Zhang, Y.Shi, J.Yan and G.F.Gao	Nature	2013	NE3A	478
Study on the Reversible Electrode Reaction of $\text{Na}_{1-x}\text{Ni}_{0.5}\text{Mn}_{0.5}\text{O}_2$ for a Rechargeable Sodium-Ion Battery	S.Komaba, N.Yabuuchi, T.Nakayama, A.Ogata, T.Ishikawa and I.Nakai	Inorganic Chemistry	2012	12C	467
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	349
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	345

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2021 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
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.We, 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	34
Evidence for a Higher-Order Topological Insulator in a Three-Dimensional Material Built from Van Der Waals Stacking 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	27
Multiple Energy Scales and Anisotropic Energy Gap in the Charge-Density-Wave Phase of the Kagome Superconductor CsV ₃ Sb ₅	K.Nakayama, Y.Li, T.Kato, M.Liu, Z.Wang, T.Takahashi, Y.Yao and T.Sato	Physical Review B	28A	21
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	19
Co Single Atoms in ZrO ₂ with Inherent Oxygen Vacancies for Selective Hydrogenation of CO ₂ to CO	N.H.M.D.Dostagir, R.Rattanawan, M.Gao, J.Ota, J.-Y.Hasegawa, K.Asakura, A. Fukouka, and A.Shrotri	ACS Catalysis	9C	19
Ruthenium Catalysts Promoted by Lanthanide Oxyhydrides with High Hydride-Ion Mobility for Low-Temperature Ammonia Synthesis	K.Ooya, J.Li, K.Fukui, S.Imura, T.Nakao, K.Ogasawara, M.Sasase, H.Abe, Y.Niwa, M.Kitano and H.Hosono	Advanced Energy Materials	NW10A	15
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	14
High-Pressure Phase Diagrams of FeSe _{1-x} Te _x : Correlation between Suppressed Nematicity and Enhanced Superconductivity	K.Mukasa, K.Matsuura, M.Qiu, M.Saito, Y.Sugimura, K.Ishida, M.Otani, Y.Onishi, Y.Mizukami, K.Hashimoto, J.Gouchi, R.Kumai, Y.Uwatoko and T.Shibauchi	Nature Communications	8A	13
Selective Catalyst for Oxygen Evolution in Neutral Brine Electrolysis: An Oxygen-Deficient Manganese Oxide Film	H.Abe, A.Murakami, S.Tsunekawa, T.Okada, T.Wakabayashi, M.Yoshida and M.Nakayama	ACS Catalysis	9A	13
Effect of Cellulose Nanocrystals Derived from Dunaliella Tertiolecta Marine Green Algae Residue on Crystallization Behaviour of Poly(Lactic Acid)	K.Mondal, S.Sakurai, Y.Okahisa, V.V.Goud and V.Katihar	Carbohydrate Polymers	6A	12
Diarylethene-Powered Light-Induced Folding of Supramolecular Polymers	T.Fukushima, K.Tamaki, A.Isobe, T.Hirose, N.Shimizu, H.Takagi, R.Haruki, S.-L.Adachi, M.J.Hollamby and S.Yagai	Journal of the American Chemical Society	10C	12

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2020 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
Nanometric Square Skyrmion Lattice in a Centrosymmetric Tetragonal Magnet	N.D.Khanh, T.Nakajima, X.Tu, S.Gao, K.Shibata, M.Hirschberger, Y.Yamasaki, H.Sagayama, H.Nakao, H., L.Peng, K.Nakajima, R.Takagi, T.Arima, Y.Tokura and S.Seki	Nature Nanotechnology	3A	82
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	55
Mechanism of Sodium Storage in Hard Carbon: An X-Ray Scattering Analysis	Y.Morikawa, S.Nishimura, R.Hashimoto, M.Ohnuma and A.Yamada	Advanced Energy Materials	8B	54
Sulfur-doped g-C ₃ N 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	50
Stable Single Platinum Atoms Trapped in Sub-Nanometer Cavities in 12CaO·7Al ₂ O 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	44
Supramolecular Copolymerization Driven by Integrative Self-Sorting of Hydrogen-Bonded Rosettes	K.Aratsu, R.Takeya, B.R.Pauw, M.J.Hollamby, Y.Kitamoto, N.Shimizu, H.Takagi, R.Haruki, S.Adachi and S.Yagai	Nature Communications	10C	38
Intrinsically Ultralow Thermal Conductivity in Ruddlesden-Popper 2D Perovskite Cs ₂ PbI ₂ Cl 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	37
Two Distinct Modes of DNMT1 Recruitment Ensure Stable Maintenance DNA Methylation	A.Nishiyama, C.B.Mulholland, S.Bultmann, S.Kori, A.Endo, Y.Saeki, W.Qin, C.Trummer, Y.Chiba, H.Yokoyama, S.Kumamoto, T.Kawakami, H.Hojo, G.Nagae, H.Aburatani, K.Tanaka, K.Arita, H.Leonhardt and M.Nakanishi	Nature Communications	17A,10C	34
Recent Progress in Molecularly Imprinted Approach for Catalysis	S.Muratsugu, S.Shirai and M.Tada	Tetrahedron Letters	NW10A	33
Polar Recruitment of RLD by LAZY1-like Protein During Gravity Signaling in Root Branch Angle Control	M.Furutani, Y.Hirano, T.Nishimura, M.Nakamura, M.Taniguchi, K.Suzuki, R.Oshida, C.Kondo, S.Sun, K.Kato, Y.Fukao, T.Hakoshima and M.T.Morita	Nature Communications	1A	31
Mapping the Emergence of Molecular Vibrations Mediating Bond Formation	J.G.Kim, S.Nozaawa, H.Kim, E.H.Choi, T.Sato, T.W.Kim, K.H.Kim, H.Ki, J.Kim, M.Choi, Y.Lee, J.Heo, K.Y.Oang, K.Ichiyanagi, R.Fukaya, J.H.Lee, J.Park, I.Eom, S.H.Chun, S.Kim, M.Kim, T.Katayama, T.Togashi, S.Owada, M.Yabashi, S.J.Lee, S.Lee, C.W.Ahn, D.-S.Ahn, J.Moon, S.Choi, J.Kim, T.Joo, J.Kim, S.-I.Adachi and H.Ihee	Nature	NW14A	31

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2019 年出版

論文タイトル	著者名	雑誌名	使用 BL	被引用数
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 and Y. Tokura	Science	3A	209
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	165
Observation of Chiral Fermions with a Large Topological Charge and Associated Fermi-Arc Surface States in CoSi	D.Takane, Z.Wang, S.Souma, K.Nakayama, T.Nakamura, H.Oinuma, Y.Nakata, H.Iwasawa, C.Cacho, T.Kim, K.Horiba, H. Kumigashira, T.Takahashi, Y.Ando and T.Sato	Physical Review Letters	2A	123
Natural Van Der Waals Heterostructural Single Crystals with both Magnetic and Topological Properties	J.Wu, F.Liu, M.Sasase, K.Ienaga, Y.Obata, R.Yukawa, K.Horiba, H.Kumigashira, S.Okuma, T.Inoshita and H.Hosono	Science Advances	2A	115
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	93
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	82
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	82
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	69
Negative Dielectric Constant of Water Confined in Nanosheets	A.Sugahara, Y.Ando, S.Kajiyama, K.Yazawa, K.Gotoh, M.Otani, M.Okubo and A.Yamada	Nature Communications	9C	66
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	58

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論文タイトル	著者名	雑誌名	使用 BL	被引用数
MXene as a Charge Storage Host	M.Okubo, A.Sugahara, S.Kajiyama and A.Yamada	Accounts of Chemical Research	9C	185
Ternary Intermetallic LaCoSi as a Catalyst for N ₂ Activation	Y.Gong, J.Wu, M.Kitano, J.Wang, T.-N. Ye, J.Li, Y.Kobayashi, K.Kishida, H.Abe, Y.Niwa, H.Yang, T.Tada and H.Hosono	Nature Catalysis	12C	136
The Smart Surface Modification of Fe ₂ O 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-Environmental	9C, 12C, NW10A	117
Dynamic Ionic Crosslinks Enable High Strength and Ultrastretchability in a Single Elastomer	Y.Miwa, J.Kurachi, Y.Kohbara and S.Kutsumizu	Communications Chemistry	6A	77
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	69
Small-Molecule Inhibition of TLR8 through Stabilization of its Resting State	S.Zhang, Z.Hu, H.Tanji, S.Jiang, N.Das, J.Li, K.Sakaniwa, J.Jin, Y.Bian, U.Ohto, T.Shimizu and H.Yin	Nature Chem. Biol.	NE3A, 5A	64
Soft Phonon Modes Leading to Ultralow Thermal Conductivity and High Thermoelectric Performance in AgCuTe	S.Roychowdhury, M.K.Jana, J.Pan, S.N.Guin, D.Sanyal, U.V.Waghmare and K.Biswas	Angewandte Chemie-International Edition	18B	59
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	59
Scaling Up Electronic Spin Qubits into a Three-Dimensional Metal-Organic Framework	T.Yamabayashi, M.Atzori, L.Tesi, G.Cosquer, F.Santanni, M.-E.Boulon, E.Morra, S.Benci, R.Torre, M.Chiesa, L.Sorace, R.Sessoli and M.Yamashita	Journal of the American Chemical Society (J. Am. Chem. Soc.)	NW2A	58
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	58

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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.Ikhlal, 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 and S.Nakatsuji	Nature Materials	28A,28B	280
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	263
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	138
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	122
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	121
A New ²⁸ Si Single Crystal: Counting the Atoms for the New Kilogram Definition	G.Bartl, P.Becker, B.Beckhoff, H.Bettin, E.Beyer, M.Borys, I.Busch, L.Cibik, G.D'Agostino, E.Darlatt, M.Di Luzio, K.Fujii, H.Fujimoto, K.Fujita, M.Kolbe, M.Krumrey, N.Kuramoto, E.Massa, M.Mecke, S.Mizushima, M.Müller, T.Narukawa, A.Nicolaus, A.Pramann, D.Rauch, O.Rienitz, C.P.Sasso, A.Stopic, R.Stosch, A.Waseda, S.Wundrack, L.Zhang and X.W.Zhang	Metrologia	3C	89
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	87
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	84
P'2-Na ₂₃ 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	83
Structure of Full-Length SMC and Rearrangements Required for Chromosome Organization	M.-L.Diebold-Durand, H.Lee, L.B.Ruiz Avila, H.Noh, H.-C.Shin, H.Im, F.P.Bock, F.Bürmann, A.Durand, A.Basfeld, S.Ham, J.Basquin, B.-H.Oh and S.Gruber	Molecular Cell	5A	83

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Self-Assembly of Tetravalent Goldberg Polyhedra from 144 Small Components	D.Fujita, Y.Ueda, S.Sato, N.Mizuno, T.Kumasaka and M.Fujita	Nature	1A	335
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	304
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	264
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