

5. 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(約17000報)について、SCOPUSを元に2018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2017年～2008年の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。なお、2007年以前については、ウェブ版(付録)に掲載する。

全期間の被引用数 Top10 (1983～2017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 | 2955 |
| Atomic Structure and Chemistry of Human Serum Albumin | X.M.He, and D.C.Carter | Nature | 1992 | 14A | 2224 |
| 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 | 2061 |
| 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 | 1839 |
| 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 | 1680 |
| Structures of Metal Sites of Oxidized Bovine Heart 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 | 1995 | 6A | 1179 |
| 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 | 1119 |
| 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 | 1044 |
| 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 | 906 |
| 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 | 879 |

※被引用数は2018年6月SCOPUS調べ

直近 10 年の被引用数 Top10 (2007 ~ 2017 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 | 906 |
| 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 | 879 |
| 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 | 835 |
| 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. Iemura, T. Natsume, T. Ueno, E. Kominami, H. Motohashi, K. Tanaka and M. Yamamoto | Nature Cell Biology | 2010 | NW12A | 747 |
| Detailed Studies of a High-Capacity Electrode Material for Rechargeable Batteries, Li_2MnO_3 - $\text{LiCo}_{1/3}\text{Ni}_{1/3}\text{Mn}_{1/3}\text{O}_2$ | N. Yabuuchi, K. Yoshii, S. Myung, I. Nakai and S. Komaba | Journal of the American Chemical Society | 2011 | 12C | 646 |
| Organic Ferroelectrics | S.Horiuchi and Y.Tokura | Nature Materials | 2008 | 1A | 534 |
| Experimental Visualization of Lithium Diffusion in Li_xFePO_4 | S.Nishimura, G.Kobayashi, K.Ohoyama, R.Kanno, M.Yashima and A.Yamada | Nature Materials | 2008 | 4B2 | 445 |
| Effect of Electronic Structures of Au Clusters Stabilized by Poly(<i>N</i> -Vinyl-2-Pyrrolidone) on Aerobic Oxidation Catalysis | H.Tsunoyama, N.Ichikuni, H.Sakurai and T.Tsukuda | Journal of the American Chemical Society | 2009 | 12C | 385 |
| Specific Recognition of Linear Ubiquitin Chains by NEMO is Important for NF- κ B Activation | S.Rahighi, F.Ikeda, M.Kawasaki, M.Akutsu, N.Suzuki, R.Kato, T.Kenske, T.Uejima, S.Bloor, D.Komander, F.Randow, S.Wakatsuki and I.Dikic | Cell | 2009 | 17A | 375 |
| Self-Assembled $\text{M}_{24}\text{L}_{48}$ Polyhedra and Their Sharp Structural Switch upon Subtle Ligand Variation | Q.F.Sun, J.Iwasa, D.Ogawa, Y.Ishido, S.Sato, T.Ozeki, Y.Sei, K.Yamaguchi and M.Fujita | Science | 2010 | NW2A | 363 |

※被引用数は 2018 年 6 月 SCOPUS 調べ

2017 年出版

| 論文タイトル | 著者名 | 雑誌名 | 使用 BL | 被引用数 |
|---|---|-------------------------------------|--------|------|
| 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 | 31 |
| 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 and T.Hasegawa | Chemistry of Materials | 8A,8B | 12 |
| 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 | 11 |
| Cobalt Oxide Nanoclusters on Rutile Titania as Bifunctional Units for Water Oxidation Catalysis and Visible Light Absorption: Understanding the Structure-Activity Relationship | K.Maeda, K.Ishimaki, M.Okazaki, T.Kanazawa, D.Lu, S.Nozaawa, H.Kato and M.Kakihana | ACS Applied Materials & Interfaces | 9A | 10 |
| Testis-Specific Histone Variant H3t Gene Is Essential for Entry into Spermatogenesis | J.Ueda, A.Harada, T.Urahama, S.Machida, K.Maehara, M.Hada, Y.Makino, J.Nogami, N.Horikoshi, A.Osakabe, H.Taguchi, H.Tanaka, H., H.Tachiwana, T.Yao, M.Yamada, T.Iwamoto, A.Isotani, M.Ikawa, T.Tachibana, Y.Okada, H.Kimura, Y.Ohkawa, H.Kurumizaka and K.Yamagata | Cell Reports | 1A,17A | 10 |
| 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 | 9 |
| Structure of Full-Length SMC and Rearrangements Required for Chromosome Organization | M.-L.Diebold-Durand, H.Lee, L.B.Ruiz Avila, H.Noh, H.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 | 9 |
| 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 | 9 |
| Controlling Disorder in the ZnGa ₂ O ₄ ·Cr ³⁺ Persistent Phosphor by Mg ²⁺ Substitution | N.Basavaraju, K.P.Priolkar, A.Bessière, S.K.Sharma, D.Gourier, L.Binet, B.Viana and S.Emura | Physical Chemistry Chemical Physics | 9A | 8 |
| Solar-Driven Z-Scheme Water Splitting Using Tantalum/Nitrogen Co-Doped Rutile Titania Nanorod as an Oxygen Evolution Photocatalyst | A.Nakada, S.Nishioka, J.J.M.Vequizo, K.Muraoka, T.Kanazawa, A.Yamakata, S.Nozaawa, H.Kumagai, S.Adachi, O.Ishitani and K.Maeda | Journal of Materials Chemistry A | 9A | 8 |

| | | | | |
|---|--|---|------|---|
| Structural Basis for Perception of Diverse Chemical Substances by T1r Taste Receptors | N.Nuemket, N.Yasui, Y.Kusakabe, Y.Nomura, N.Atsumi, S.Akiyama, E.Nango, Y.Kato, M.K.Kaneko, J.Takagi, M.Hosotani and A.Yamashita | Nature Communications | 5A | 8 |
| Discovery of High-Affinity BCL6-Binding Peptide and Its Structure-Activity Relationship | K.Sakamoto, S.Sogabe, Y.Kamada, N.Sakai, K.Asano, M.Yoshimatsu, K.Ida, Y.Imaeda and J.Sakamoto | Biochemical and Biophysical Research Communications | NE3A | 8 |

※被引用数は2018年6月SCOPUS調べ

2016 年出版

| 論文タイトル | 著者名 | 雑誌名 | 使用 BL | 被引用数 |
|---|---|------------------------------------|--------|------|
| 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 | 60 |
| 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 | 59 |
| 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 | 59 |
| 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 | 44 |
| Self-Assembly of $M_{30}L_{60}$ Icosidodecahedron | D.Fujita, Y.Ueda, S.Sato, H.Yokoyama, N.Mizuno, T.Kumasaka, M.Fujita | Chem | 1A | 43 |
| Crystal structure of E. coli Lipoprotein Diacylglyceryl Transferase | G.Mao, Y.Zhao, X.Kang, Z.Li, Y.Zhang, X.Wang, F.Sun, K.Sankaran and X.C.Zhang | Nature Communications | 1A | 31 |
| Higher-Resolution Structure of the Human Insulin Receptor Ectodomain: Multi-Modal Inclusion of the Insert Domain | T.I.Croll, B.J.Smith, M.B.Margetts, J.Whittaker, M.A.Weiss, C.W.Ward and M.C.Lawrence | Structure | 5A | 31 |
| 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 | 30 |
| 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 | 28 |
| 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.Shioyai, S.Nakamura, S.Awaji, A.Tsukazaki, H.Nakao, Y.Murakami, T.Arima, Y.Tokura and S.Ishiwata | Science Advances | 3A | 28 |

※被引用数は2018年6月 SCOPUS 調べ

2015 年出版

| 論文タイトル | 著者名 | 雑誌名 | 使用 BL | 被引用数 |
|---|--|---|----------------|------|
| PLEKHM1 Regulates Qutophagosome-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 | 113 |
| 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 | 103 |
| 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 | 89 |
| High-Capacity Electrode Materials for Rechargeable Lithium Batteries: Li ₃ NbO 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 and S.Komaba | Proceedings of the National Academy of Science, USA | 9C | 86 |
| Improved Measurement Results for the Avogadro Constant using a ²⁸ Si-Enriched Crystal | Y.Azuma, P.Barat, G.Bartl, H.Bettin, M.Borys, I.Busch, L.Cibik, G.DAgostino, K.Fujii, H.Fujimoto, A.Hioki, M.Krumrey, U.Kuetgens, N.Kuramoto, G.Mana, E.Massa, R.Meeß, S.Mizushima, T.Narukawa, A.Nicolaus, A.Pramann, S.A.Rabb, O.Rienitz, C.Sasso, M.Stock, R.D.Vocke.Jr, A.Waseda, S.Wundrack and S.Zakel | Metrologia | 3C | 72 |
| Direct Observation of Bond Formation in Solution with Femtosecond X-Ray Scattering | K.Kim, J.Kim, S.Nozaawa, 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 | 69 |
| 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 | 68 |
| 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 | 59 |
| Interconvertible Multiple Photoluminescence Color of a Gold(I) Isocyanide Complex in the Solid State: Solvent-Induced Blue-Shifted and Mechano-Responsive Red-Shifted Photoluminescence | T.Seki, T.OzakiI, T.Okura, K.Asakura and H.Ito | Chemical Science | 7C, 9C, 9A | 59 |
| 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 | 58 |

※被引用数は 2018 年 6 月 SCOPUS 調べ

2014 年出版

| 論文タイトル | 著者名 | 雑誌名 | 使用 BL | 被引用数 |
|--|--|-------------------------|---------------|------|
| A 3.8-V Earth-Abundant Sodium Battery Electrode | P.Barpanda, G.Oyama, S.Nishimura, S.-C. Chung and A.Yamada | Nature Communications | 3A, 4B2 | 274 |
| 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 | 167 |
| 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 | 153 |
| 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 | NW10A | 144 |
| 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 | 121 |
| Lifting of <i>xz/yz</i> Orbital Degeneracy at the Structural Transition in Detwinned FeSe | T.Shimajima, 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 | 109 |
| 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.Saeyns and N.Yan | Green Chemistry | NW10A | 104 |
| Structure of the LH1-RC complex from <i>Thermochromatium tepidum</i> at 3.0 Å | S.Niwa, L.-J.Yu, K.Takeda, Y.Hirano, T.Kawakami, Z.-Y.Wang-Otomo and K.Miki | Nature | 1A, 17A, NE3A | 97 |
| Extremely Stretchable Thermosensitive Hydrogels by Introducing Slide-Ring Polyrotaxane Cross-Linkers and Ionic Groups into the Polymer Network | A.B.Imran, K.Esaki, H.Gotoh, T.Seki, K.Ito, Y.Sakai and Y.Takeoka | Nature Communications | 15A, 10C, 6A | 91 |
| Crystal Structure of the RNA-Guided Immune Surveillance Cascade Complex in <i>Escherichia coli</i> | H.Zhao, G.Sheng, J.Wang, M.Wang, G.Bunkoczi, W.Gong, Z.Wei and Y.Wang | Nature | 1A, 5A, 17A | 72 |

※被引用数は2018年6月 SCOPUS 調べ

2013 年出版

| 論文タイトル | 著者名 | 雑誌名 | 使用 BL | 被引用数 |
|---|--|--|------------------------|------|
| Recent Advances in Photocatalytic Conversion of Carbon Dioxide into Fuels with Water and/or Hydrogen using Solar Energy and Beyond | Y.Izumi | Coordination Chemistry Reviews | 7C, 9A, 9C, 12C, NW10A | 301 |
| 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 | NE3A | 177 |
| Structural Reorganization of the Toll-Like Receptor 8 Dimer Induced by Agonistic Ligands | H.Tanji, U.Ohto, T.Shibata, K.Miyake and T.Shimizu | Science | NE3A, NW12A | 145 |
| Molecular Mechanism of Strigolactone Perception by DWARF14 | H.Nakamura, Y.L.Xue, T.Miyakawa, F.Hou, H.M.Qin, K.Fukui, X.Shi, E.Ito, S.Ito, S.H.Park, Y.Miyauchi, A.Asano, N.Totsuka, T.Ueda, M.Tanokura and T.Asami | Nature Communications | NE3A | 115 |
| Ceria-Doped Ni/SBA-16 Catalysts for Dry Reforming of Methane | S.Zhang, S.Muratsugu, N.Ishiguro and M.Tada | ACS Catalysis | 9C | 115 |
| Highly Active Screen-Printed Electrocatalysts for Water Oxidation Based on β -Manganese Oxide | M.Fekete, R.K.Hocking, S.L.Y.Chang, C.Italiano, A.F.Patti, F.Arena and L.Spliccia | Energy & Environmental Science | 20B | 94 |
| Revealing the Binding Structure of the Protein Corona on Gold Nanorods Using Synchrotron Radiation-Based Techniques: Understanding the Reduced Damage in Cell Membranes | L.Wang, J.Li, J.Pan, X.Jiang, Y.Ji, Y.Li, Y.Qu, Y.Zhao, X.Wu and C.Chen | Journal of the American Chemical Society | 11B, 4A, 12C | 85 |
| Bimetallic Cyanide-Bridged Coordination Polymers as Lithium Ion Cathode Materials: Core@Shell Nanoparticles with Enhanced Cyclability | D.Asakura, C.H.Li, Y.Mizuno, M.Okubo, H.S.Zhou and D.R.Talham | Journal of the American Chemical Society | 7C | 83 |
| Strongly Spin-Orbit Coupled Two-Dimensional Electron Gas Emerging near the Surface of Polar Semiconductors | M.Sakano, M.S.Bahramy, A.Katayama, T.Shimajima, H.Murakawa, Y.Kaneko, W.Malaeb, S.Shin, K.Ono, H.Kumigashira, R.Arita, N.Nagaosa, H.Y.Hwang, Y.Tokura and K.Ishizaka | Physical Review Letters | 28A | 82 |
| Synthesis and Electrode Performance of O_3 -Type $NaFeO_2$ - $NaNi_{1/2}Mn_{1/2}O_2$ Solid Solution for Rechargeable Sodium Batteries | N.Yabuuchi, M.Yano, H.Yoshida, S.Kuze and S.Komaba | Journal of The Electrochemical Society | 12C | 74 |

※被引用数は 2018 年 6 月 SCOPUS 調べ

2012 年出版

| 論文タイトル | 著者名 | 雑誌名 | 使用 BL | 被引用数 |
|---|--|--|--------------------------|------|
| 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 | 12C | 906 |
| 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 | 18A | 835 |
| 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 Physics | 28A | 356 |
| Study on the Reversible Electrode Reaction of Na _{1-x} Ni _{0.5} Mn _{0.5} O ₂ for a Rechargeable Sodium-Ion Battery | S.Komaba, N.Yabuuchi, T.Nakayama, A.Ogata, T.Ishikawa and I.Nakai | Inorganic Chemistry | 12C | 236 |
| 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 | 7C, 12C | 221 |
| A Sensor-Adaptor Mechanism for Enterovirus Uncoating from Structures of EV71 | X.Wang, W.Peng, J.Ren, Z.Hu, J.Xu, Z.Lou, X.Li, W.Yin, X.Shen, C.Porta, T.S.Walter, G.Evans, D.Axford, R.Owen, D.J.Rowlands, J.Wang, D.I.Stuart, E.E.Fry and Z.Rao | Nature Structural & Molecular Biology | 17A | 196 |
| Chemically Homogeneous and Thermally Reversible Oxidation of Epitaxial Graphene | Md.Z.Hossain, J.E.Johns, K.H.Bevan, H.J.Karmel, Y.T.Liang, S.Yoshimoto, K.Mukai, T.Koitaya, J.Yoshinobu, M.Kawai, A.M.Lear, L.L.Kesmodel, S.L.Tait and M.C.Hersam | Nature Chemistry | 13A | 174 |
| Tunable Dirac Cone in the Topological Insulator Bi _{2-x} Sb _x Te _{3-y} Se _y | T.Arakane, T.Sato, S.Souma, K.Kosaka, K.Nakayama, M.Komatsu, T.Takahashi, Z.Ren, K.Segawa and Y.Ando | Nature Communications | 28A | 153 |
| Gold Nanoparticles Stabilized on Nanocrystalline Magnesium Oxide as an Active Catalyst for Reduction of Nitroarenes in Aqueous Medium at Room Temperature | K.Layek, M.L.Kantam, M.Shirai, D.Nishio-Hamane, T.Sasaki and H.Maheswaran | Green Chemistry | 7C, 9C | 152 |
| Structural Basis of Species-Specific Endotoxin Sensing by Innate Immune Receptor TLR4/MD-2 | U.Ohto, K.Fukase, K.Miyake and T.Shimizu | Proceedings of the National Academy of Sciences, USA | NE3A, NW12A, 5A, 1A, 17A | 136 |

※被引用数は2018年6月 SCOPUS 調べ

2011 年出版

| 論文タイトル | 著者名 | 雑誌名 | 使用 BL | 被引用数 |
|--|--|--|-----------|------|
| Inkjet Printing of Single-Crystal Films | H.Minemawari, T.Yamada, H.Matsui, J.Tsutsumi, S.Haas, R.Chiba, R.Kumai and T.Hasegawa | Nature | 8A | 879 |
| Detailed Studies of a High-Capacity Electrode Material for Rechargeable Batteries, $\text{Li}_2\text{MnO}_3\text{-LiCo}_{1/3}\text{Ni}_{1/3}\text{Mn}_{1/3}\text{O}_2$ | N.Yabuuchi, K.Yoshii, S.Myung, I.Nakai and S.Komaba | Journal of the American Chemical Society | 12C | 646 |
| Giant Rashba-Type Spin Splitting in Bulk BiTeI | K.Ishizaka, M.S.Bahramy, H.Murakawa, M.Sakano, T.Shimajima, T.Sonobe, K.Koizumi, S.Shin, H.Miyahara, A.Kimura, K.Miyamoto, T.Okuda, H.Namatame, M.Taniguchi, R.Arita, N.Nagaosa, K.Kobayashi, Y.Murakami, R.Kumai, Y.Kaneko, Y.Onose and Y.Tokura | Nature Materials | 8A | 341 |
| Water-Oxidation Catalysis by Manganese in a Geochemical-Like Cycle | R.K.Hocking, R.Brimblecombe, L.-Y.Chang, A.Singh, M.H.Cheah, C.Glover, W.H.Casey and L.Spiccia | Nature Chemistry | 20B | 323 |
| Patternable Solution-Crystallized Organic Transistors with High Charge Carrier Mobility | K.Nakayama, Y.Hirose, J.Soeda, M.Yoshizumi, T. Uemura, M.Uno, W.Li, M.J.Kang, M.Yamagishi, Y.Okada, E.Miyazaki, Y.Nakazawa, A.Nakao, K.Takimiya and J.Takeya | Advanced Materials | 8B | 220 |
| Itokawa Dust Particles: A Direct Link between S-Type Asteroids and Ordinary Chondrites | T.Nakamura, T.Noguchi, M.Tanaka, M.E.Zolensky, M.Kimura, A.Tsuchiyama, A.Nakato, T.Ogami, H.Ishida, M.Uesugi, T.Yada, K.Shirai, A.Fujimura, R.Okazaki, S.A.Sandford, Y.Ishibashi, M.Abe, T.Okada, M.Ueno, T.Mukai, M.Yoshikawa and J.Kawaguchi | Science | 3A | 216 |
| 14-3-3 Proteins Act as Intracellular Receptors for Rice Hd3a Florigen | K.Taoka, I.Ohki, H.Tsuji, K.Furuita, K.Hayashi, T.Yanase, M.Yamaguchi, C.Nakashima, Y.A.Purwestri, S.Tamaki, Y.Ogaki, C.Shimada, A.Nakagawa, C.Kojima and K.Shimamoto | Nature | 5A, NW12A | 206 |
| Linear- and Angular-Shaped Naphthodithiophenes: Selective Synthesis, Properties, and Application to Organic Field-Effect Transistors | S.Shinamura, I.Osaka, E.Miyazaki, A.Nakao, M.Yamagishi, J.Takeya and K.Takimiya | Journal of the American Chemical Society | 8B | 193 |
| Determination of the Avogadro Constant by Counting the Atoms in a ^{28}Si Crystal | B.Andreas, Y.Azuma, G.Bartl, P.Becker, H.Bettin, M.Borys, I.Busch, M.Gray, P.Fuchs, K.Fujii, H.Fujimoto, E.Kessler, M.Krumrey, U.Kuetgens, N.Kuramoto, G.Mana, P.Manson, E.Massa, S.Mizushima, A.Nicolaus, A.Picard, A.Pramann, O.Rienitz, D.Schiel, S.Valkiers and A.Waseda | Physical Review Letters | 3C | 145 |
| Catalytic Performance and Characterization of Ni-Fe Catalysts for the Steam Reforming of Tar from Biomass Pyrolysis to Synthesis Gas | L.Wang, D.Li, M.Koike, S.Koso, Y.Nakagawa, Y.Xu and K.Tomishige | Applied Catalysis A | 9C | 141 |

※被引用数は 2018 年 6 月 SCOPUS 調べ

2010 年出版

| 論文タイトル | 著者名 | 雑誌名 | 使用 BL | 被引用数 |
|---|---|--|--------|------|
| 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.Iemura, T.Natsume, T.Ueno, E.Kominami, H.Motohashi, K.Tanaka and M.Yamamoto | Nature Cell Biology | NW12A | 747 |
| Self-Assembled $M_{24}L_{48}$ Polyhedra and their Sharp Structural Switch upon Subtle Ligand Variation | Q.-F.Sun, J.Iwasa, D.Ogawa, Y.Ishido, S.Sato, T.Ozeki, Y.Sei, K.Yamaguchi and M.Fujita | Science | NW2A | 363 |
| Above-Room-Temperature Ferroelectricity in a Single-Component Molecular Crystal | S.Horiuchi, Y.Tokunaga, G.Giovannetti, S.Picozzi, H.Ito, R.Shimano, R.Kumai and Y.Tokura | Nature | 8A | 300 |
| Superconductivity in Alkali-Metal-Doped Picene | R.Mitsuhashi, Y.Suzuki, Y.Yamanari, H.Mitamura, T.Kambe, N.Ikeda, H.Okamoto, A.Fujiwara, M.Yamaji, N.Kawasaki, Y.Maniwa and Y.Kubozono | Nature | 1B, 8B | 288 |
| New Lithium Iron Pyrophosphate as 3.5 V Class Cathode Material for Lithium Ion Battery | S.Nishimura, M.Nakamura, R.Natsui and A.Yamada | Journal of the American Chemical Society | 4B2 | 170 |
| Modification of Rh/SiO ₂ Catalyst for the Hydrogenolysis of Glycerol in Water | Y.Shinmi, S.Koso, T.Kubota, Y.Nakagawa and K.Tomishige | Applied Catalysis B | NW10A | 167 |
| Observation of Dirac Cone Electronic Dispersion in BaFe ₂ As ₂ | P.Richard, K.Nakayama, T.Sato, M.Neupane, Y.-M.Xu, J.H.Bowen, G.F.Chen, J.L.Luo, N.L.Wang, X.Dai, Z.Fang, H.Ding and T.Takahashi | Physical Review Letters | 28A | 164 |
| Crystal Structure of the FTO Protein Reveals Basis for Its Substrate Specificity | Z.Han, T.Niu, J.Chang, X.Lei, M.Zhao, Q.Wang, W.Cheng, J.Wang, Y.Feng and J.Chai | Nature | NW12A | 155 |
| On the Origin of Visibility Contrast in X-Ray Talbot Interferometry | W.Yashiro, Y.Terui, K.Kawabata and A.Momose | Optics Express | 14C1 | 148 |
| Direct Evidence for the Dirac-Cone Topological Surface States in the Ternary Chalcogenide TlBiSe ₂ | T.Sato, K.Segawa, H.Guo, K.Sugawara, S.Souma, T.Takahashi and Y.Ando | Physical Review Letters | 28A | 147 |

※被引用数は2018年6月 SCOPUS 調べ

2009 年出版

| 論文タイトル | 著者名 | 雑誌名 | 使用 BL | 被引用数 |
|--|--|---|-------|------|
| Effect of Electronic Structures of Au Clusters Stabilized by Poly(<i>N</i> -Vinyl-2-Pyrrolidone) on Aerobic Oxidation Catalysis | H.Tsunoyama, N.Ichikuni, H.Sakurai and T.Tsukuda | Journal of the American Chemical Society | 12C | 385 |
| Specific Recognition of Linear Ubiquitin Chains by NEMO is Important for NF- κ B Activation | S.Rahighi, F.Ikeda, M.Kawasaki, M.Akutsu, N.Suzuki, R.Kato, T.Kensche, T.Uejima, S.Bloor, D.Komander, F.Randow, S.Wakatsuki and I.Dikic | Cell | 17A | 375 |
| Recent Developments in Ruthenium Anticancer Drugs | A.Levina, A.Mitra and P.A.Lay | Metallomics | 20B | 348 |
| X-Ray Absorption Analysis of Nitrogen Contribution to Oxygen Reduction Reaction in Carbon Alloy Cathode Catalysts for Polymer Electrolyte Fuel Cells | H.Niwa, K.Horiba, Y.Harada, M.Oshima, T.Ikeda, K.Terakura, J.Ozaki and S.Miyata | Journal of Power Sources | 2C | 309 |
| Size-Specific Catalytic Activity of Platinum Clusters Enhances Oxygen Reduction Reactions | K.Yamamoto, T.Imaoka, W.-J.Chun, O.Enoki, H.Katoh, M.Takenaga and A.Sonoi | Nature Chemistry | 12C | 264 |
| Fermi Surface Nesting Induced Strong Pairing in Iron-Based Superconductors | K.Terashima, Y.Sekiba, J.H.Bowen, K.Nakayama, T.Kawahara, T.Sato, P.Richard, Y.-M.Xu, L.J.Li, G.H.Cao, Z.-A.Xu, H.Ding and T.Takahashi | Proceedings of the National Academy of Sciences of the United States of America | 28A | 255 |
| Structural Basis of Abscisic Acid Signalling | K.Miyazono, T.Miyakawa, Y.Sawano, K.Kubota, H.-J.Kang, A.Asano, Y.Miyauchi, M.Takahashi, Y.Zhi, Y.Fujita, T.Yoshida, K.Kodaira, K.Yamaguchi-Shinozaki and M.Tanokura | Nature | 5A | 244 |
| Ferroelectricity and Polarity Control in Solid-State Flip-Flop Supramolecular Rotators | T.Akutagawa, H.Koshinaka, D.Sato, S.Takeda, S.Noro, Y.Takahashi, R.Kumai, Y.Tokura and T.Nakamura | Nature Materials | 8A | 217 |
| Organic Field-Effect Transistors using Single Crystals | T.Hasegawa and J.Takeya | Science and Technology of Advanced Materials | 8B | 196 |
| Isolation of Solid Solution Phases in Size-Controlled Li_xFePO_4 at Room Temperature | G.Kobayashi, S.Nishimura, M.-S.Park, R.Kanno, M.Yashima, T.Ida and A.Yamada | Advanced Functional Materials | 4B2 | 194 |

※被引用数は 2018 年 6 月 SCOPUS 調べ

2008 年出版

| 論文タイトル | 著者名 | 雑誌名 | 使用 BL | 被引用数 |
|--|--|--|----------------|------|
| Organic Ferroelectrics | S.Horiuchi and Y.Tokura | Nature Materials | 1A | 534 |
| Experimental Visualization of Lithium Diffusion in Li_xFePO_4 | S.Nishimura, G.Kobayashi, K.Ohoyama, R.Kanno, M.Yashima and A.Yamada | Nature Materials | 4B2 | 445 |
| Recognition of Hemi-Methylated DNA by the SRA Protein UHRF1 by a Base-Flipping Mechanism | K.Arita, M.Ariyoshi, H.Tochio, Y.Nakamura and M.Shirakawa | Nature | 5A | 251 |
| Epigenetic Control of rDNA Loci in Response to Intracellular Energy Status | A.Murayama, K.Ohmori, A.Fujimura, H.Minami, K.Yasuzawa-Tanaka, T.Kuroda, S.Oie, H.Daitoku, M.Okuwaki, K.Nagata, A.Fukamizu, K.Kimura, T.Shimizu and J.Yanagisawa | Cell | 5A, 17A, NW12A | 215 |
| A Cholesterol Biosynthesis Inhibitor Blocks <i>Staphylococcus aureus</i> Virulence | C.-I.Liu, G.Y.Liu, Y.Song, F.Yin, M.E.Hensler, W.-Y.Jeng, V.Nizet, A.H.-J.Wang and E.Oldfield | Science | 5A, NW12A | 209 |
| Structural Basis for Specific Cleavage of Lys 63-Linked Polyubiquitin Chains | Y.Sato, A.Yoshikawa, A.Yamagata, H.Mimura, M.Yamashita, K.Ookata, O.Nureki, K.Iwai, M.Komada and S.Fukai | Nature | NW12A | 206 |
| Structural Basis of Target Recognition by Atg8/LC3 during Selective Autophagy | N.N.Noda, H.Kumeta, H.Nakatogawa, K.Satoo, W.Adachi, J.Ishii, Y.Fujioka, Y.Ohsumi and F.Inagaki | Genes to Cells | NW12A | 195 |
| Structure of $\text{Li}_2\text{FeSiO}_4$ | S.Nishimura, S.Hayase, R.Kanno, M.Yashima, N.Nakayama and A.Yamada | Journal of the American Chemical Society | 4B2 | 192 |
| The Structural Basis for an Essential Subunit Interaction in Influenza Virus RNA Polymerase | E.Obayashi, H.Yoshida, F.Kawai, N.Shibayama, A.Kawaguchi, K.Nagata, J.R.Tame and S.-Y.Park | Nature | 5A | 167 |
| Chondrulelike Objects in Short-Period Comet 81P/Wild 2 | T.Nakamura, T.Noguchi, A.Tsuchiyama, T.Ushikubo, N.T.Kita, J.W.Valley, M.E.Zolensky, Y.Kakazu, K.Sakamoto, E.Mashio, K.Uesugi and T.Nakano | Science | 3A | 162 |
| Multistep Engineering of Pyrrolysyl-tRNA Synthetase to Genetically Encode N^ϵ -(<i>o</i> -Azidobenzoyloxycarbonyl) lysine for Site-Specific Protein Modification | T.Yanagisawa, R.Ishii, R.Fukunaga, T.Kobayashi, K.Sakamoto and S.Yokoyama | Chemistry & Biology | 5A, NW12A | 162 |

※被引用数は 2018 年 6 月 SCOPUS 調べ