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論文タイトル	著者名	雑誌名	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	12C	1753
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	1400
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	741
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	580
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In Operando X-ray Absorption Fine Structure Studies of Polyoxometalate Molecular Cluster Batteries: Polyoxometalates as Electron Sponges	H.Wang, S.Hamanaka, Y.Nishimoto, S.Irle, T.Yokoyama, H.Yoshikawa and K.Awaga	Journal of the American Chemical Society	NW10A	315
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	308
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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	1036
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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	294
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Arsenic Release from Flooded Paddy Soils is Influenced by Speciation, Eh, pH, and Iron Dissolution	N.Yamaguchi, T.Nakamura, D.Dong, Y.Takahashi, S.Amachi and T.Makino	Chemosphere	12C	257

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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	259
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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	623
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	384
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Structures of Two Coronavirus Main Proteases: Implications for Substrate Binding and Antiviral Drug Design	X.Xue, H.Yu, H.Yang, F.Xue, Z.Wu, W.Shen, J.Li, Z.Zhou, Y.Ding, Q.Zhao, X.C.Zhang, M.Liao, M.Bartlam and Z.Rao	Journal of Virology	5A	316
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Interfacial Modification for High-Power Solid-State Lithium Batteries	K.Takada, N.Ohta, L.Zhang, K.Fukuda, I.Sakaguchi, R.Ma, M.Osada and T.Sasaki	Solid State Ionics	6C	271
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LiNbO ₃ -Coated LiCoO ₂ as Cathode Material for All Solid-State Lithium Secondary Batteries	N.Ohta, K.Takada, I.Sakaguchi, L.Zhang, R.Ma, K.Fukuda, M.Osada and T.Sasaki	Electrochemistry Communications	6C	546
Novel Cross-Linking Concept of Polymer Network: Synthesis, Structure, and Properties of Slide-Ring Gels with Freely Movable Junctions	K.Ito	Polymer Journal	15A	315
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Structural Basis for Defects of Keap1 Activity Provoked by Its Point Mutations in Lung Cancer	B.Padmanabhan, K.I.Tong, T.Ohta, Y.Nakamura, M.Scharlock, M.Ohtsuji, M.I.Kang, A.Kobayashi, S.Yokoyama and M.Yamamoto	Molecular Cell	6A	585
Mineralogy and Petrology of Comet 81P/Wild 2 Nucleus Samples	M.E.Zolensky et al. (Nakamura T. 36th/75 authors)	Science	3A	553
High-Pressure Phases of CaCO ₃ : Crystal Structure Prediction and Experiment	A.R.Oganov, C.W.Glass and S.Ono	Earth and Planetary Science Letters	13A	304
Comparison of Antimony Behavior with That of Arsenic under Various Soil Redox Conditions	S.Mitsunobu, T.Harada and Y.Takahashi	Environmental Science & Technology	12C, 9A	273
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Development of Ni Catalysts for Tar Removal by Steam Gasification of Biomass	T.Kimura, T.Miyazawa, J.Nishikawa, S.Kado, K.Okumura, T.Miyao, S.Naito, K.Kunimori and K.Tomishige	Applied Catalysis B	9C	203
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Ferroelectricity near Room Temperature in Co-Crystals of Nonpolar Organic Molecules	S.Horiuchi, F.Ishii, R.Kumai, Y.Okimoto, H.Tachibana, N.Nagaosa and Y.Tokura	Nature Materials	1A	286
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Guest-Dependent Negative Thermal Expansion in Nanoporous Prussian Blue Analogues $M^I Pt^IV(CN)_6 \cdot x\{H_2O\}$ ($0 \leq x \leq$ 2 ; $M = Zn, Cd$)	A.L.Goodwin, K.W.Chapman and C.J.Keper	Journal of the American Chemical Society	20B	201
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Photocurrent Generation from Semiconducting Manganese Oxide Nanosheets in Response to Visible Light	Sakai N.; Ebina Y.; Takada K.; Sasaki T.	Journal of Physical Chemistry B	3A	178

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Understanding the Phase-Change Mechanism of Rewritable Optical Media	A.V.Kolobov, P.Fons, A.Frenkel, A.L.Ankudinov, J.Tominaga and T.Uruga	Nature Materials	12C	1170
Arsenic Behavior in Paddy Fields during the Cycle of Flooded and Non-Flooded Periods	Y.Takahashi, R.Minamikawa, K.H.Hattori, K.Kurishima, N.Kihou and K.Yuita	Environmental Science & Technology	12C	441
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Regulation through the Secondary Channel-Structural Framework for ppGpp-DksA Synergism during Transcription	A.Perederina, V.Svetlov, M.N.Vassilyeva, T.H.Tahirov, S.Yokoyama, I.Artsimovitch and D.G.Vassilyev	Cell	NW12A	281
Structural and Magnetoelectric Properties of Ga _{2-x} Fe _x O ₃ Single Crystals Grown by a Floating-Zone Method	T.Arima, D.Higashiyama, Y.Kaneko, J.P.He, T.Goto, S.Miyasaka, T.Kimura, K.Oikawa, T.Kamiyama, R.Kumai and Y.Tokura	Physical Review B	1A	236

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Catalytic Activity and Structural Analysis of Polymer-Protected Au/Pd Bimetallic Clusters Prepared by the Successive Reduction of HAuCl ₄ and PdCl ₂	M.Harada, K.Asakura and N.Toshima	Journal of Physical Chemistry	10B	174
Refinement of the Si(111) $\sqrt{3} \times \sqrt{3}$ -Ag Structure by Surface X-Ray Diffraction	T.Takahashi and S.Nakatani	Surface Science	10C	144
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