

Kiyotaka Asakura

List of Publications by Year in descending order

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413
papers

13,697
citations

31902

53
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32761

100
g-index

435
all docs

435
docs citations

435
times ranked

11594
citing authors

#	ARTICLE	IF	CITATIONS
1	Abnormal Metal Bond Distances in PtAu Alloy Nanoparticles: <i>In Situ</i> Back-Illumination XAFS Investigations of the Structure of PtAu Nanoparticles on a Flat HOPG Substrate Prepared by Arc Plasma Deposition. <i>Journal of Physical Chemistry C</i> , 2022, 126, 1006-1016.	1.5	3
2	Constrained Thorough Search Analysis of Multi-edge EXAFS Spectra for Characterization of Bimetallic Nanoparticles. <i>Chemistry Letters</i> , 2022, 51, 538-541.	0.7	3
3	Role of Oxygen Vacancy in the Photocatalytic Dynamics of WO_3 Photocatalysts: The Case of Recombination Centers. <i>Journal of Physical Chemistry C</i> , 2022, 126, 9257-9263.	1.5	22
4	Angular Dependence of Multi-atom Resonant X-ray Raman Scattering. <i>E-Journal of Surface Science and Nanotechnology</i> , 2022, , .	0.1	0
5	Development of <i>Operando</i> Polarization-Dependent Total Reflection Fluorescence X-ray Absorption Fine Structure Technique for Three-Dimensional Structure Determination of Active Metal Species on a Model Catalyst Surface under Working Conditions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12424-12432.	1.5	5
6	Co Single Atoms in ZrO_2 with Inherent Oxygen Vacancies for Selective Hydrogenation of CO_2 to CO. <i>ACS Catalysis</i> , 2021, 11, 9450-9461.	5.5	116
7	X-ray absorption fine structure studies on nickel phosphide catalysts for the non-oxidative coupling of methane reaction using a theoretical model. <i>Radiation Physics and Chemistry</i> , 2021, 189, 109727.	1.4	2
8	Transfer hydrogenolysis of aromatic ethers promoted by the bimetallic Pd/Co catalyst. <i>Catalysis Today</i> , 2020, 357, 511-517.	2.2	25
9	Photoinduced anisotropic distortion as the electron trapping site of tungsten trioxide by ultrafast $W L_{2,3}$ -edge X-ray absorption spectroscopy with full potential multiple scattering calculations. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2615-2621.	1.3	15
10	XFELs: cutting edge X-ray light for chemical and material sciences. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2612-2614.	1.3	10
11	Tracking the Local Structure Change during the Photoabsorption Processes of Photocatalysts by the Ultrafast Pump-Probe XAFS Method. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7818.	1.3	4
12	<i>Operando</i> Observations of a Manganese Oxide Electrocatalyst for Water Oxidation Using Hard/Tender/Soft X-ray Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 23611-23618.	1.5	22
13	Active Phase Structure of the SiO_2 -supported Nickel Phosphide Catalysts for Non-oxidative Coupling of Methane (NOCM) Reactions. <i>E-Journal of Surface Science and Nanotechnology</i> , 2020, 18, 24-27.	0.1	7
14	Light and Shadow Effects in the Submerged Photolytic Synthesis of Micropatterned CuO Nanoflowers and ZnO Nanorods as Optoelectronic Surfaces. <i>ACS Applied Nano Materials</i> , 2020, 3, 1783-1791.	2.4	5
15	Disposition of Iridium on Ruthenium Nanoparticle Supported on Ketjenblack: Enhancement in Electrocatalytic Activity toward the Electrohydrogenation of Toluene to Methylcyclohexane. <i>ACS Omega</i> , 2020, 5, 1221-1228.	1.6	11
16	Model building analysis – a novel method for statistical evaluation of $Pt L_{2,3}$ -edge EXAFS data to unravel the structure of Pt-alloy nanoparticles for the oxygen reduction reaction on highly oriented pyrolytic graphite. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18815-18823.	1.3	9
17	Extracting the local electronic states of Pt polycrystalline films surface under electrochemical conditions using polarization-dependent total reflection fluorescence x-ray absorption near edge structure spectroscopy. <i>Electronic Structure</i> , 2020, 2, 044003.	1.0	1
18	Bent crystal Laue analyser combined with total reflection fluorescence X-ray absorption fine structure (BCLA + TRF-XAFS) and its application to surface studies. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 1618-1625.	1.0	4

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19	Thorough Search Analysis of Extended X-ray Absorption Fine Structure Data for Complex Molecules and Nanomaterials Applications. <i>E-Journal of Surface Science and Nanotechnology</i> , 2020, 18, 249-261.	0.1	8
20	Solving Energy and Environmental Challenges with Synchrotron Radiation Technology. <i>Synchrotron Radiation News</i> , 2020, 33, 2-3.	0.2	0
21	Development of Surface Fluorescence X-ray Absorption Fine Structure Spectroscopy Using a Laue-type Monochromator. <i>Chemical Record</i> , 2019, 19, 1157-1165.	2.9	4
22	Mechanistic study of the selective hydrogenation of carboxylic acid derivatives over supported rhenium catalysts. <i>Catalysis Science and Technology</i> , 2019, 9, 5413-5424.	2.1	25
23	Metamorphosis-like Transformation during Activation of In/SiO ₂ Catalyst for Non-oxidative Coupling of Methane: <i>In Situ</i> X-ray Absorption Fine Structure Analysis. <i>Chemistry Letters</i> , 2019, 48, 1145-1147.	0.7	13
24	An Al-doped SrTiO ₃ photocatalyst maintaining sunlight-driven overall water splitting activity for over 1000 h of constant illumination. <i>Chemical Science</i> , 2019, 10, 3196-3201.	3.7	163
25	A new interpretation of the $\sqrt{7} \times \sqrt{7} R19.1^\circ$ structure for P adsorbed on a Ni(111) surface. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 379-387.	2.8	1
26	Theory of multi-atom resonant Raman scattering. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2019, 233, 57-63.	0.8	2
27	Effective surface termination with Au on PtCo@Pt core-shell nanoparticle: Microstructural investigations and oxygen reduction reaction properties. <i>Journal of Electroanalytical Chemistry</i> , 2019, 842, 1-7.	1.9	14
28	Synergy of Ru and Ir in the Electrohydrogenation of Toluene to Methylcyclohexane on a Ketjenblack-Supported Ru-Ir Alloy Cathode. <i>ACS Catalysis</i> , 2019, 9, 2448-2457.	5.5	46
29	Methanol steam reforming behavior of sol-gel synthesized nanodimensional Cu _x Fe _{1-x} Al ₂ O ₄ hercynites. <i>Applied Catalysis A: General</i> , 2019, 570, 73-83.	2.2	19
30	Premodified Surface Method to Obtain Ultra-Highly Dispersed Metals and their 3D Structure Control on an Oxide Single-Crystal Surface. <i>Chemical Record</i> , 2019, 19, 1244-1255.	2.9	3
31	Phosphorous Diffusion Through Ni ₂ P Low Energy Diffusion Path and Its Unique Local Structure. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6318-6322.	1.5	7
32	Incorporation of Multinuclear Copper Active Sites into Nitrogen-Doped Graphene for Electrochemical Oxygen Reduction. <i>ACS Applied Energy Materials</i> , 2018, 1, 2358-2364.	2.5	15
33	Smooth epitaxial copper film on sapphire surface suitable for high quality graphene growth. <i>Thin Solid Films</i> , 2018, 646, 12-16.	0.8	8
34	A study of FeN/C catalysts for the selective oxidation of unsaturated alcohols by molecular oxygen. <i>Journal of Catalysis</i> , 2018, 367, 16-26.	3.1	29
35	Evidence for Multi-Atom Resonance X-ray Raman Spectroscopy – An <i>In Situ</i> Low-Z-element and Bond-specific X-ray Spectroscopy. <i>E-Journal of Surface Science and Nanotechnology</i> , 2018, 16, 387-390.	0.1	3
36	The challenge of constructing an international XAFS database. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 967-971.	1.0	17

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37	Trace mono-atomically dispersed rhodium on zeolite-supported cobalt catalyst for the efficient methane oxidation. <i>Communications Chemistry</i> , 2018, 1, .	2.0	25
38	A Demonstration of Pt L3-Edge EXAFS Free from Au L3-Edge Using Logâ€“Spiral Bent Crystal Laue Analyzers. <i>Catalysts</i> , 2018, 8, 204.	1.6	2
39	EXAFS study of Ti _{0.98} Pd _{0.02} O ₂ -Î catalyst. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	2
40	Reaction Stoichiometry and Mechanism of Pt Deposition via Surface Limited Redox Replacement of Copper UPD Layer on Au(111). <i>Journal of Physical Chemistry C</i> , 2018, 122, 16664-16673.	1.5	11
41	Ultra-high Dispersion of Metals on an Oxide Single-crystal Surface Premodified with a Functional Organic Molecule and Their 3D Structure Analysis by PTRF-XAFS Technique. <i>Vacuum and Surface Science</i> , 2018, 61, 309-314.	0.0	0
42	Capturing local structure modulations of photoexcited BiVO ₄ by ultrafast transient XAFS. <i>Chemical Communications</i> , 2017, 53, 7314-7317.	2.2	18
43	An Origin for Lattice Expansion in PVP-Protected Small Pd Metal Nanoparticles. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 720-727.	2.0	6
44	Polarization-dependent Total Reflection Fluorescence X-ray Absorption Fine Structure (PTRF-XAFS) Studies on the Structure of a Pt Monolayer on Au(111) Prepared by the Surface-limited Redox Replacement Reaction. <i>Chemistry Letters</i> , 2017, 46, 1250-1253.	0.7	10
45	Controlling the inhomogeneity of solid catalysts at the mesoscopic scale. <i>Chemical Physics Letters</i> , 2017, 683, 18-21.	1.2	1
46	Rheniumâ€“Loaded TiO ₂ : A Highly Versatile and Chemoselective Catalyst for the Hydrogenation of Carboxylic Acid Derivatives and the Nâ€“Methylation of Amines Using H ₂ and CO ₂ . <i>Chemistry - A European Journal</i> , 2017, 23, 14848-14859.	1.7	76
47	XAFS for Ultra Dilute Systems. , 2017, , 193-206.		0
48	Three-Dimensional Structures on Oxide Single-Crystal Surfaces. , 2017, , 527-538.		1
49	Ultra-Fast XAFS Studies on Photocatalyst Using SACLA. <i>Nihon Kessho Gakkaishi</i> , 2017, 59, 24-28.	0.0	0
50	Structural analysis of strontium in human teeth treated with surface pre-reacted glass-ionomer filler eluate by using extended X-ray absorption fine structure analysis. <i>Dental Materials Journal</i> , 2017, 36, 214-221.	0.8	23
51	Approach to Highly Sensitive XAFS by Means of Bent Crystal Laue Analyzers. <i>Hyomen Kagaku</i> , 2017, 38, 378-383.	0.0	2
52	Dynamics of Photoelectrons and Structural Changes of Tungsten Trioxide Observed by Femtosecond Transient XAFS. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1364-1367.	7.2	42
53	Portable ultrahigh-vacuum sample storage system for polarization-dependent total-reflection fluorescence x-ray absorption fine structure spectroscopy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016, 34, .	0.9	4
54	<i>In Situ</i> X-ray Absorption Fine Structure Analysis of PtCo, PtCu, and PtNi Alloy Electrocatalysts: The Correlation of Enhanced Oxygen Reduction Reaction Activity and Structure. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11519-11527.	1.5	53

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55	Structural Relationship between CoO ₆ Cluster and Phosphate Species in a Cobalt-Phosphate Water Oxidation Catalyst Investigated by Co and P K-edge XAFS. <i>Chemistry Letters</i> , 2016, 45, 277-279.	0.7	21
56	X-Ray Absorption Fine Structure Analysis of Catalytic Nanomaterials. , 2016, , 609-664.		1
57	Dynamics of Photoelectrons and Structural Changes of Tungsten Trioxide Observed by Femtosecond Transient XAFS. <i>Angewandte Chemie</i> , 2016, 128, 1386-1389.	1.6	1
58	Various Active Metal Species Incorporated within Molecular Layers on Si(111) Electrodes for Hydrogen Evolution and CO ₂ Reduction Reactions. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16200-16210.	1.5	13
59	A New Indicator for Single Metal Dispersion on a TiO ₂ (110) Surface Premodified with a Mercapto Compound. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15785-15791.	1.5	10
60	Structure determination of the rutile-TiO ₂ (110)-(1 Å ⁻²) surface using total-reflection high-energy positron diffraction (TRHEPD). <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 7085-7092.	1.3	21
61	Degradation mechanism of a high-performance real micro gas sensor, as determined by spatially resolved XAFS. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 7374-7380.	1.3	3
62	Investigation of the Cleanliness of Transferred Graphene: The First Step toward Its Application as a Window Material for Electron Microscopy and Spectroscopy. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 1029-1035.	2.0	13
63	EXAFS Studies of Pd Nanoparticles: Direct Evidence for Unusual Pd-Pd Bond Elongation. <i>Chemistry Letters</i> , 2015, 44, 803-805.	0.7	14
64	Nanostructures and Properties of Rutile TiO ₂ Studied by Accelerator-based Probes. <i>Nihon Kessho Gakkaishi</i> , 2015, 57, 41-46.	0.0	0
65	Deprotonation of a dinuclear copper complex of 3,5-diamino-1,2,4-triazole for high oxygen reduction activity. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8638-8641.	1.3	25
66	Interconvertible multiple photoluminescence color of a gold(isocyanide) complex in the solid state: solvent-induced blue-shifted and mechano-responsive red-shifted photoluminescence. <i>Chemical Science</i> , 2015, 6, 2187-2195.	3.7	133
67	Ultrathin inorganic molecular nanowire based on polyoxometalates. <i>Nature Communications</i> , 2015, 6, 7731.	5.8	50
68	A high-temperature in situ cell with a large solid angle for fluorescence X-ray absorption fine structure measurement. <i>Review of Scientific Instruments</i> , 2015, 86, 034102.	0.6	5
69	Sol-gel chemistry mediated Zn/Al-based complex dispersant for SWCNT in water without foam formation. <i>Carbon</i> , 2015, 94, 518-523.	5.4	18
70	An Investigation of Ni ₂ P Single Crystal Surfaces: Structure, Electronic State and Reactivity. <i>Topics in Catalysis</i> , 2015, 58, 194-200.	1.3	18
71	Improvement of a Real Gas-Sensor for the Origin of Methane Selectivity Degradation by Å-XAFS Investigation. <i>Nano-Micro Letters</i> , 2015, 7, 255-260.	14.4	11
72	Exploring the catalytic properties of supported palladium catalysts in the transfer hydrogenolysis of glycerol. <i>Applied Catalysis B: Environmental</i> , 2015, 166-167, 121-131.	10.8	76

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73	Reactivity of Ni ₂ P(10-10) Surface for NO Evaluated by STM. Hyomen Kagaku, 2014, 35, 415-419.	0.0	1
74	New Prospects for the Characterization of Heterogeneous Catalysts by Using Slow Muon Spectroscopy. , 2014, , .		0
75	Special Issue on Surface Science. Chemical Record, 2014, 14, 756-758.	2.9	0
76	A new spectroelectrochemical cell for in situ measurement of Pt and Au K-edge X-ray absorption fine structure. Review of Scientific Instruments, 2014, 85, 084104.	0.6	6
77	Microscopic Structure of Naked Au Nanoparticles Synthesized in Typical Ionic Liquids by Sputter Deposition. Journal of Physical Chemistry C, 2014, 118, 27973-27980.	1.5	9
78	Efficient Ru ^{II} -Fe catalyzed selective hydrogenolysis of carboxylic acids to alcoholic chemicals. RSC Advances, 2014, 4, 29072-29082.	1.7	31
79	In situ back-side illumination fluorescence XAFS (BI-FXAFS) studies on platinum nanoparticles deposited on a HOPG surface as a model fuel cell: a new approach to the Pt-HOPG electrode/electrolyte interface. Physical Chemistry Chemical Physics, 2014, 16, 13748-13754.	1.3	18
80	K-Edge X-ray Absorption Fine Structure Analysis of Pt/Au Core-Shell Electrocatalyst: Evidence for Short Pt-Pt Distance. Journal of Physical Chemistry C, 2014, 118, 8481-8490.	1.5	29
81	Photoexcited Hole Transfer to a MnO _x Cocatalyst on a SrTiO ₃ Photoelectrode during Oxygen Evolution Studied by In Situ X-ray Absorption Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 24302-24309.	1.5	42
82	The 16th International Symposium on Relations Between Homogeneous and Heterogeneous Catalysis (ISHHC-16), Sapporo, August 4-9, 2013. Topics in Catalysis, 2014, 57, 811-811.	1.3	0
83	Pt-Promoted Cu/SBA-15 Catalysts with Excellent Performance for Chemoselective Hydrogenation of Dimethyl Oxalate to Ethylene Glycol. Topics in Catalysis, 2014, 57, 1015-1025.	1.3	18
84	Electrodeposition Study on a Single-crystal Titanium Dioxide Electrode: Platinum on a Niobium-doped Titanium Dioxide(110) Electrode. Chemistry Letters, 2014, 43, 1797-1799.	0.7	3
85	In Situ Picosecond XAFS Study of an Excited State of Tungsten Oxide. Chemistry Letters, 2014, 43, 977-979.	0.7	22
86	Micro Reverse Monte Carlo Approach to EXAFS Analysis. E-Journal of Surface Science and Nanotechnology, 2014, 12, 322-329.	0.1	4
87	Atomic Structure and Catalytic Activity of W-Modified Ni ₂ P Surface Alloy by Photoelectron Diffraction and Spectroscopy. E-Journal of Surface Science and Nanotechnology, 2014, 12, 53-56.	0.1	7
88	Preparation and structure of a single Au atom on the TiO ₂ (110) surface: control of the Au-metal oxide surface interaction. Faraday Discussions, 2013, 162, 165.	1.6	22
89	Au Clusters on TiO ₂ (110) (1 Å ⁻¹) and (1 Å ⁻²) Surfaces Examined by Polarization-Dependent Total Reflection Fluorescence XAFS. Journal of Physical Chemistry C, 2013, 117, 252-257.	1.5	11
90	Silver-modulated SiO ₂ -supported copper catalysts for selective hydrogenation of dimethyl oxalate to ethylene glycol. Journal of Catalysis, 2013, 307, 74-83.	3.1	123

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91	Characterization of Pt-doped SnO ₂ catalyst for a high-performance micro gas sensor. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 17938.	1.3	53
92	Highly dispersed iron vanadate catalyst supported on TiO ₂ for the selective catalytic reduction of NO _x with NH ₃ . <i>Journal of Catalysis</i> , 2013, 307, 340-351.	3.1	149
93	Fine tuning and orientation control of surface Cu complexes on TiO ₂ (110) premodified with mercapto compounds: the effect of different mercapto group positions. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14080.	1.3	14
94	In situ observation of carrier transfer in the Mn-oxide/Nb:SrTiO ₃ photoelectrode by X-ray absorption spectroscopy. <i>Chemical Communications</i> , 2013, 49, 7848.	2.2	32
95	An XAFS study on the specific microstructure of active species in iron titanate catalyst for NH ₃ -SCR of NO _x . <i>Catalysis Today</i> , 2013, 201, 131-138.	2.2	25
96	Anisotropic growth of a nickel trimer formed on a highly-stepped TiO ₂ (110) surface. <i>Chemical Physics Letters</i> , 2013, 570, 64-69.	1.2	6
97	Polarization-Dependent Total-Reflection Fluorescence X-ray Absorption Fine Structure for 3D Structural Determination and Surface Fine Tuning. <i>Topics in Catalysis</i> , 2013, 56, 1477-1487.	1.3	18
98	Density Function Theoretical Investigation on the Ni ₃ PP Structure and the Hydrogen Adsorption Property of the Ni ₂ P(0001) Surface. <i>Chemistry Letters</i> , 2013, 42, 1481-1483.	0.7	25
99	A New Collinear-Type Energy-Filtered X-ray Photoemission Electron Microscope Equipped with a Multi-Pole Aberration-Corrected Air-Core Coil Wien Filter. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 046701.	0.8	0
100	Operando Observation of Ni ₂ P Structural Changes during Catalytic Reaction: Effect of H ₂ S Pretreatment. <i>Chemistry Letters</i> , 2012, 41, 1238-1240.	0.7	13
101	Remarkable enhancement of Cu catalyst activity in hydrogenation of dimethyl oxalate to ethylene glycol using gold. <i>Catalysis Science and Technology</i> , 2012, 2, 1637.	2.1	95
102	Evidence of Nonelectrochemical Shift Reaction on a CO-Tolerant High-Entropy State Pt-Ru Anode Catalyst for Reliable and Efficient Residential Fuel Cell Systems. <i>Journal of the American Chemical Society</i> , 2012, 134, 14508-14512.	6.6	63
103	Alkali-Promoted Pt/TiO ₂ Opens a More Efficient Pathway to Formaldehyde Oxidation at Ambient Temperatures. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9628-9632.	7.2	611
104	International Workshop on Improving Data Quality and Quantity for XAFS Experiments (Q2XAFS 2011). <i>Journal of Synchrotron Radiation</i> , 2012, 19, 849-850.	1.0	7
105	Preparation of Well-defined Inhomogeneous α -Sb ₂ O ₄ /SbO ₄ Catalyst by Electron Lithography and their Catalytic Activities. <i>Hyomen Kagaku</i> , 2012, 33, 426-430.	0.0	1
106	Unprecedented selectivity to the direct desulfurization (DDS) pathway in a highly active FeNi bimetallic phosphide catalyst. <i>Journal of Catalysis</i> , 2012, 285, 1-5.	3.1	73
107	Combined in situ QXAFS and FTIR analysis of a Ni phosphide catalyst under hydrodesulfurization conditions. <i>Journal of Catalysis</i> , 2012, 286, 165-171.	3.1	52
108	Operando QEXAFS studies of Ni ₂ P during thiophene hydrodesulfurization: direct observation of Ni-S bond formation under reaction conditions. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 205-209.	1.0	15

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109	Molecular Catalysts Confined on and Within Molecular Layers Formed on a Si(111) Surface with Direct Si-C Bonds. <i>Advanced Materials</i> , 2012, 24, 268-272.	11.1	22
110	Polarization-dependent total reflection fluorescence extended X-ray absorption fine structure and its application to supported catalysis. <i>Catalysis</i> , 2012, , 281-322.	0.6	17
111	What is the Origin for Peaks at the $L_{3/2}$ XANES Spectra of AgCl?. <i>E-Journal of Surface Science and Nanotechnology</i> , 2012, 10, 609-612.	0.1	3
112	A New Collinear-Type Energy-Filtered X-ray Photoemission Electron Microscope Equipped with a Multi-Pole Aberration-Corrected Air-Core Coil Wien Filter. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 046701.	0.8	0
113	Carbon Nanotube-Supported RuFe Bimetallic Nanoparticles as Efficient and Robust Catalysts for Aqueous-Phase Selective Hydrogenolysis of Glycerol to Glycols. <i>ACS Catalysis</i> , 2011, 1, 1521-1528.	5.5	83
114	Quick X-ray Absorption Fine Structure Studies on the Activation Process of Ni ₂ P Supported on K-USY. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7466-7471.	1.5	29
115	Ni@NiO Core-Shell Structure-Modified Nitrogen-Doped InTaO ₄ for Solar-Driven Highly Efficient CO ₂ Reduction to Methanol. <i>Journal of Physical Chemistry C</i> , 2011, 115, 10180-10186.	1.5	165
116	Angle resolved total reflection fluorescence XAFS and its application to Au clusters on TiO ₂ (110) (1 *) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.9	10
117	Dynamical LEED analysis of Ni ₂ P (0001)-1Å-1: Evidence for P-covered surface structure. <i>Chemical Physics Letters</i> , 2011, 513, 48-52.	1.2	45
118	Carbon incorporated FeN/C electrocatalyst for oxygen reduction enhancement in direct methanol fuel cells: X-ray absorption approach to local structures. <i>Electrochimica Acta</i> , 2011, 56, 8734-8738.	2.6	25
119	Influence of calcination temperature on iron titanate catalyst for the selective catalytic reduction of NO _x with NH ₃ . <i>Catalysis Today</i> , 2011, 164, 520-527.	2.2	98
120	Preparation of well-crystallized Pd ₂₀ Te ₇ alloy nanoparticulate catalysts with uniform structure and composition in liquid-phase. <i>Applied Catalysis A: General</i> , 2011, 392, 80-85.	2.2	8
121	Influence of sulfation on iron titanate catalyst for the selective catalytic reduction of NO _x with NH ₃ . <i>Applied Catalysis B: Environmental</i> , 2011, 103, 369-377.	10.8	245
122	Expansion of nanotechnology for dentistry: effect of colloidal platinum nanoparticles on dentin adhesion mediated by 4-META/MMA-TBB. <i>Journal of Adhesive Dentistry</i> , 2011, 13, 411-6.	0.3	11
123	XAFS Analysis of the Bronchoalveolar Lavage Fluid of a Tungsten Carbide Pneumoconiosis Patient. <i>Chemistry Letters</i> , 2010, 39, 852-853.	0.7	7
124	Electronic structure of the surface: Angle-resolved photoemission study. <i>Solid State Communications</i> , 2010, 150, 1120-1123.	0.9	14
125	STM studies on the reconstruction of the Ni ₂ P (101̄...0) surface. <i>Surface Science</i> , 2010, 604, 1347-1352.	0.8	27
126	Atomic aspects of surface chemical reactions. <i>Catalysis Today</i> , 2010, 157, 2-7.	2.2	10

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127	Effect of application time of colloidal platinum nanoparticles on the microtensile bond strength to dentin. <i>Dental Materials Journal</i> , 2010, 29, 682-689.	0.8	25
128	Ag L ₃ -Edge X-ray Absorption Near-Edge Structure of 4d ¹⁰ (Ag ⁺) Compounds: Origin of the Edge Peak and Its Chemical Relevance. <i>Journal of Physical Chemistry A</i> , 2010, 114, 4093-4098.	1.1	36
129	First Direct Visualization of Spillover Species Emitted from Pt Nanoparticles. <i>Langmuir</i> , 2010, 26, 16392-16396.	1.6	16
130	Energy Filtered X-Ray Photoemission Electron Microscopy. <i>Advances in Imaging and Electron Physics</i> , 2010, , 1-43.	0.1	4
131	Angle-Resolved and Resonant Photoelectron Spectroscopy Study of Ni ₂ P (10-10) Single-Crystal Surface. <i>Hyomen Kagaku</i> , 2010, 31, 324-330.	0.0	1
132	Vacuum and Environmental Catalysts. <i>Journal of the Vacuum Society of Japan</i> , 2010, 53, 19-24.	0.3	0
133	Scanning Tunneling Microscopy and Photoemission Electron Microscopy Studies on Single Crystal Ni ₂ P Surfaces. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 195-201.	0.9	30
134	Combined in situ analysis of Ni ₂ P/MCM-41 under hydrodesulfurization conditions â€“ Simultaneous observation of QXAFS and FTIR â€“. <i>Journal of Physics: Conference Series</i> , 2009, 190, 012158.	0.3	10
135	In situ FTIR and XANES studies of thiophene hydrodesulfurization on Ni ₂ P/MCM-41. <i>Journal of Catalysis</i> , 2009, 268, 209-222.	3.1	73
136	Adsorption structure of acetic anhydride on a TiO ₂ (110) surface observed by scanning tunneling microscopy. <i>Surface Science</i> , 2009, 603, 552-557.	0.8	12
137	Atomically dispersed Cu species on a TiO ₂ (110) surface precovered with acetic anhydride. <i>Chemical Physics Letters</i> , 2009, 470, 99-102.	1.2	13
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