Kiyotaka Asakura

List of Publications by Year
in descending order

413	13,697	31976	31849
papers	citations	53 h-index	101 g-index

435	435	435	11594
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Abnormal Metal Bond Distances in PtAu Alloy Nanoparticles: In Situ Back-Illumination XAFS Investigations of the Structure of PtAu Nanoparticles on a Flat HOPG Substrate Prepared by Arc Plasma Deposition. Journal of Physical Chemistry C, 2022, 126, 1006-1016.	3.1	3
2	Constrained Thorough Search Analysis of Multi-edge EXAFS Spectra for Characterization of Bimetallic Nanoparticles. Chemistry Letters, 2022, 51, 538-541.	1.3	3
3	Role of Oxygen Vacancy in the Photocarrier Dynamics of WO₃ Photocatalysts: The Case of Recombination Centers. Journal of Physical Chemistry C, 2022, 126, 9257-9263.	3.1	22
4	Angular Dependence of Multi-atom Resonant X-ray Raman Scattering. E-Journal of Surface Science and Nanotechnology, 2022, , .	0.4	0
5	Development of Operando 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. Journal of Physical Chemistry C, 2021, 125, 12424-12432.	3.1	5
6	Co Single Atoms in ZrO₂ with Inherent Oxygen Vacancies for Selective Hydrogenation of CO₂ to CO. ACS Catalysis, 2021, 11, 9450-9461.	11.2	116
7	X-ray absorption fine structure studies on nickel phosphide catalysts for the non-oxidative coupling of methane reaction using a theoretical model. Radiation Physics and Chemistry, 2021, 189, 109727.	2.8	2
8	Transfer hydrogenolysis of aromatic ethers promoted by the bimetallic Pd/Co catalyst. Catalysis Today, 2020, 357, 511-517.	4.4	25
9	Photoinduced anisotropic distortion as the electron trapping site of tungsten trioxide by ultrafast W L₁-edge X-ray absorption spectroscopy with full potential multiple scattering calculations. Physical Chemistry Chemical Physics, 2020, 22, 2615-2621.	2.8	15
10	XFELs: cutting edge X-ray light for chemical and material sciences. Physical Chemistry Chemical Physics, 2020, 22, 2612-2614.	2.8	10
11	Tracking the Local Structure Change during the Photoabsorption Processes of Photocatalysts by the Ultrafast Pump-Probe XAFS Method. Applied Sciences (Switzerland), 2020, 10, 7818.	2.5	4
12	Operando Observations of a Manganese Oxide Electrocatalyst for Water Oxidation Using Hard/Tender/Soft X-ray Absorption Spectroscopy. Journal of Physical Chemistry C, 2020, 124, 23611-23618.	3.1	22
13	Active Phase Structure of the SiO₂-supported Nickel Phosphide Catalysts for Non-oxidative Coupling of Methane (NOCM) Reactions. E-Journal of Surface Science and Nanotechnology, 2020, 18, 24-27.	0.4	7
14	Light and Shadow Effects in the Submerged Photolytic Synthesis of Micropatterned CuO Nanoflowers and ZnO Nanorods as Optoelectronic Surfaces. ACS Applied Nano Materials, 2020, 3, 1783-1791.	5.0	5
15	Disposition of Iridium on Ruthenium Nanoparticle Supported on Ketjenblack: Enhancement in Electrocatalytic Activity toward the Electrohydrogenation of Toluene to Methylcyclohexane. ACS Omega, 2020, 5, 1221-1228.	3.5	11
16	Model building analysis â€“ a novel method for statistical evaluation of Pt L₃-edge EXAFS data to unravel the structure of Pt-alloy nanoparticles for the oxygen reduction reaction on highly oriented pyrolytic graphite. Physical Chemistry Chemical Physics, 2020, 22, 18815-18823.	2.8	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. Electronic Structure, 2020, 2, 044003.	2.8	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. Journal of Synchrotron Radiation, 2020, 27, 1618-1625.	2.4	4

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19	Thorough Search Analysis of Extended X-ray Absorption Fine Structure Data for Complex Molecules and Nanomaterials Applications. E-Journal of Surface Science and Nanotechnology, 2020, 18, 249-261.	0.4	8
20	Solving Energy and Environmental Challenges with Synchrotron Radiation Technology. Synchrotron Radiation News, 2020, 33, 2-3.	0.8	0
21	Development of Surface Fluorescence Xâ€Ray Absorption Fine Structure Spectroscopy Using a Laueâ€Type Monochromator. Chemical Record, 2019, 19, 1157-1165.	5.8	4
22	Mechanistic study of the selective hydrogenation of carboxylic acid derivatives over supported rhenium catalysts. Catalysis Science and Technology, 2019, 9, 5413-5424.	4.1	25
23	Metamorphosis-like Transformation during Activation of In/SiO₂ Catalyst for Non-oxidative Coupling of Methane: In Situ X-ray Absorption Fine Structure Analysis. Chemistry Letters, 2019, 48, 1145-1147.	1.3	13
24	An Al-doped SrTiO₃photocatalyst maintaining sunlight-driven overall water splitting activity for over 1000Âh of constant illumination. Chemical Science, 2019, 10, 3196-3201.	7.4	163
25	A new interpretation of the âˆš7Ã—âˆš7 R19.1Â° structure for P adsorbed on a Ni(111) surface. Science and Technology of Advanced Materials, 2019, 20, 379-387.	6.1	1
26	Theory of multi-atom resonant Raman scattering. Journal of Electron Spectroscopy and Related Phenomena, 2019, 233, 57-63.	1.7	2
27	Effective surface termination with Au on PtCo@Pt core-shell nanoparticle: Microstructural investigations and oxygen reduction reaction properties. Journal of Electroanalytical Chemistry, 2019, 842, 1-7.	3.8	14
28	Synergy of Ru and Ir in the Electrohydrogenation of Toluene to Methylcyclohexane on a Ketjenblack-Supported Ru-Ir Alloy Cathode. ACS Catalysis, 2019, 9, 2448-2457.	11.2	46
29	Methanol steam reforming behavior of sol-gel synthesized nanodimensional CuxFe1-xAl2O4 hercynites. Applied Catalysis A: General, 2019, 570, 73-83.	4.3	19
30	Premodified Surface Method to Obtain Ultraâ€Highly Dispersed Metals and their 3D Structure Control on an Oxide Singleâ€Crystal Surface. Chemical Record, 2019, 19, 1244-1255.	5.8	3
31	Phosphorous Diffusion Through Ni₂Pâ€”Low Energy Diffusion Path and Its Unique Local Structure. Journal of Physical Chemistry C, 2018, 122, 6318-6322.	3.1	7
32	Incorporation of Multinuclear Copper Active Sites into Nitrogen-Doped Graphene for Electrochemical Oxygen Reduction. ACS Applied Energy Materials, 2018, 1, 2358-2364.	5.1	15
33	Smooth epitaxial copper film on sapphire surface suitable for high quality graphene growth. Thin Solid Films, 2018, 646, 12-16.	1.8	8
34	A study of FeN /C catalysts for the selective oxidation of unsaturated alcohols by molecular oxygen. Journal of Catalysis, 2018, 367, 16-26.	6.2	29
35	Evidence for Multi-Atom Resonance X-ray Raman Spectroscopy â€” An in situ Low Z-element and Bond-specific X-ray Spectroscopy. E-Journal of Surface Science and Nanotechnology, 2018, 16, 387-390.	0.4	3
36	The challenge of constructing an international XAFSÂdatabase. Journal of Synchrotron Radiation, 2018, 25, 967-971.	2.4	17

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37	Trace mono-atomically dispersed rhodium on zeolite-supported cobalt catalyst for the efficient methane oxidation. Communications Chemistry, 2018, 1, .	4.5	25
38	A Demonstration of Pt L3-Edge EXAFS Free from Au L3-Edge Using Logâ€“Spiral Bent Crystal Laue Analyzers. Catalysts, 2018, 8, 204.	3.5	2
39	EXAFS study of Ti0.98Pd0.02O2-Î´ catalyst. AIP Conference Proceedings, 2018, , .	0.4	2
40	Reaction Stoichiometry and Mechanism of Pt Deposition via Surface Limited Redox Replacement of Copper UPD Layer on Au(111). Journal of Physical Chemistry C, 2018, 122, 16664-16673.	3.1	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. Vacuum and Surface Science, 2018, 61, 309-314.	0.1	0
42	Capturing local structure modulations of photoexcited BiVO₄ by ultrafast transient XAFS. Chemical Communications, 2017, 53, 7314-7317.	4.1	18
43	An Origin for Lattice Expansion in PVP-Protected Small Pd Metal Nanoparticles. Bulletin of the Chemical Society of Japan, 2017, 90, 720-727.	3.2	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. Chemistry Letters, 2017, 46, 1250-1253.	1.3	10
45	Controlling the inhomogeneity of solid catalysts at the mesoscopic scale. Chemical Physics Letters, 2017, 683, 18-21.	2.6	1
46	Rheniumâ€Loaded TiO₂: A Highly Versatile and Chemoselective Catalyst for the Hydrogenation of Carboxylic Acid Derivatives and the Nâ€Methylation of Amines Using H₂ and CO₂. Chemistry - A European Journal, 2017, 23, 14848-14859.	3.3	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. Nihon Kessho Gakkaishi, 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. Dental Materials Journal, 2017, 36, 214-221.	1.8	23
51	Approach to Highly Sensitive XAFS by Means of Bent Crystal Laue Analyzers. Hyomen Kagaku, 2017, 38, 378-383.	0.0	2
52	Dynamics of Photoelectrons and Structural Changes of Tungsten Trioxide Observed by Femtosecond Transient XAFS. Angewandte Chemie - International Edition, 2016, 55, 1364-1367.	13.8	42
53	Portable ultrahigh-vacuum sample storage system for polarization-dependent total-reflection fluorescence x-ray absorption fine structure spectroscopy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, .	2.1	4
54	In SituX-ray Absorption Fine Structure Analysis of PtCo, PtCu, and PtNi Alloy Electrocatalysts: The Correlation of Enhanced Oxygen Reduction Reaction Activity and Structure. Journal of Physical Chemistry C, 2016, 120, 11519-11527.	3.1	53

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55	Structural Relationship between CoO₆Cluster and Phosphate Species in a Cobaltâ€“Phosphate Water Oxidation Catalyst Investigated by Co and P K-edge XAFS. Chemistry Letters, 2016, 45, 277-279.	1.3	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. Angewandte Chemie, 2016, 128, 1386-1389.	2.0	1
58	Various Active Metal Species Incorporated within Molecular Layers on Si(111) Electrodes for Hydrogen Evolution and CO₂ Reduction Reactions. Journal of Physical Chemistry C, 2016, 120, 16200-16210.	3.1	13
59	A New Indicator for Single Metal Dispersion on a TiO₂(110) Surface Premodified with a Mercapto Compound. Journal of Physical Chemistry C, 2016, 120, 15785-15791.	3.1	10
60	Structure determination of the rutile-TiO₂(110)-(1 Ã— 2) surface using total-reflection high-energy positron diffraction (TRHEPD). Physical Chemistry Chemical Physics, 2016, 18, 7085-7092.	2.8	21
61	Degradation mechanism of a high-performance real micro gas sensor, as determined by spatially resolved XAFS. Physical Chemistry Chemical Physics, 2016, 18, 7374-7380.	2.8	3
62	Investigation of the Cleanliness of Transferred Graphene: The First Step toward Its Application as a Window Material for Electron Microscopy and Spectroscopy. Bulletin of the Chemical Society of Japan, 2015, 88, 1029-1035.	3.2	13
63	EXAFS Studies of Pd Nanoparticles: Direct Evidence for Unusual Pdâ€“Pd Bond Elongation. Chemistry Letters, 2015, 44, 803-805.	1.3	14
64	Nanostructures and Properties of Rutile TiO₂ Studied by Accelerator-based Probes. Nihon Kessho Gakkaishi, 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. Physical Chemistry Chemical Physics, 2015, 17, 8638-8641.	2.8	25
66	Interconvertible multiple photoluminescence color of a gold(<scp>i</scp>) isocyanide complex in the solid state: solvent-induced blue-shifted and mechano-responsive red-shifted photoluminescence. Chemical Science, 2015, 6, 2187-2195.	7.4	133
67	Ultrathin inorganic molecular nanowire based on polyoxometalates. Nature Communications, 2015, 6, 7731.	12.8	50
68	A high-temperature in situ cell with a large solid angle for fluorescence X-ray absorption fine structure measurement. Review of Scientific Instruments, 2015, 86, 034102.	1.3	5
69	Solâ€“gel chemistry mediated Zn/Al-based complex dispersant for SWCNT in water without foam formation. Carbon, 2015, 94, 518-523.	10.3	18
70	An Investigation of Ni2P Single Crystal Surfaces: Structure, Electronic State and Reactivity. Topics in Catalysis, 2015, 58, 194-200.	2.8	18
71	Improvement of a Real Gas-Sensor for the Origin of Methane Selectivity Degradation by Âμ-XAFS Investigation. Nano-Micro Letters, 2015, 7, 255-260.	27.0	11
72	Exploring the catalytic properties of supported palladium catalysts in the transfer hydrogenolysis of glycerol. Applied Catalysis B: Environmental, 2015, 166-167, 121-131.	20.2	76

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73	Reactivity of Ni2P(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.	5.8	0
76	A new spectroelectrochemical cell forin situmeasurement of Pt and Au K-edge X-ray absorption fine structure. Review of Scientific Instruments, 2014, 85, 084104.	1.3	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.	3.1	9
78	Efficient Ruâ€“Fe catalyzed selective hydrogenolysis of carboxylic acids to alcoholic chemicals. RSC Advances, 2014, 4, 29072-29082.	3.6	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.	2.8	18
80	K-Edge X-ray Absorption Fine Structure Analysis of Pt/Au Coreâ€“Shell Electrocatalyst: Evidence for Short Ptâ€“Pt Distance. Journal of Physical Chemistry C, 2014, 118, 8481-8490.	3.1	29
81	Photoexcited Hole Transfer to a MnOxCocatalyst on a SrTiO3Photoelectrode during Oxygen Evolution Studied by In Situ X-ray Absorption Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 24302-24309.	3.1	42
82	The 16th International Symposium on Relations Between Homogeneous and Heterogeneous Catalysis (ISHHC-16), Sapporo, August 4â€“9, 2013. Topics in Catalysis, 2014, 57, 811-811.	2.8	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.	2.8	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.	1.3	3
85	In Situ Picosecond XAFS Study of an Excited State of Tungsten Oxide. Chemistry Letters, 2014, 43, 977-979.	1.3	22
86	Micro Reverse Monte Carlo Approach to EXAFS Analysis. E-Journal of Surface Science and Nanotechnology, 2014, 12, 322-329.	0.4	4
87	Atomic Structure and Catalytic Activity of W-Modified Ni₂P Surface Alloy by Photoelectron Diffraction and Spectroscopy. E-Journal of Surface Science and Nanotechnology, 2014, 12, 53-56.	0.4	7
88	Preparation and structure of a single Au atom on the TiO2(110) surface: control of the Auâ€“metal oxide surface interaction. Faraday Discussions, 2013, 162, 165.	3.2	22
89	Au Clusters on TiO₂(110) (1 Ã— 1) and (1 Ã— 2) Surfaces Examined by Polarization-Dependent Total Reflection Fluorescence XAFS. Journal of Physical Chemistry C, 2013, 117, 252-257.	3.1	11
90	Silver-modulated SiO2-supported copper catalysts for selective hydrogenation of dimethyl oxalate to ethylene glycol. Journal of Catalysis, 2013, 307, 74-83.	6.2	123

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91	Characterization of Pt-doped SnO2 catalyst for a high-performance micro gas sensor. Physical Chemistry Chemical Physics, 2013, 15, 17938.	2.8	53
92	Highly dispersed iron vanadate catalyst supported on TiO2 for the selective catalytic reduction of NOx with NH3. Journal of Catalysis, 2013, 307, 340-351.	6.2	149
93	Fine tuning and orientation control of surface Cu complexes on TiO2(110) premodified with mercapto compounds: the effect of different mercapto group positions. Physical Chemistry Chemical Physics, 2013, 15, 14080.	2.8	14
94	In situ observation of carrier transfer in the Mn-oxide/Nb:SrTiO3 photoelectrode by X-ray absorption spectroscopy. Chemical Communications, 2013, 49, 7848.	4.1	32
95	An XAFS study on the specific microstructure of active species in iron titanate catalyst for NH3-SCR of NOx. Catalysis Today, 2013, 201, 131-138.	4.4	25
96	Anisotropic growth of a nickel trimer formed on a highly-stepped TiO2(110) surface. Chemical Physics Letters, 2013, 570, 64-69.	2.6	6
97	Polarization-Dependent Total-Reflection Fluorescence X-ray Absorption Fine Structure for 3D Structural Determination and Surface Fine Tuning. Topics in Catalysis, 2013, 56, 1477-1487.	2.8	18
98	Density Function Theoretical Investigation on the Ni3PP Structure and the Hydrogen Adsorption Property of the Ni2P(0001) Surface. Chemistry Letters, 2013, 42, 1481-1483.	1.3	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. Japanese Journal of Applied Physics, 2012, 51, 046701.	1.5	0
100	Operando Observation of Ni2P Structural Changes during Catalytic Reaction: Effect of H2S Pretreatment. Chemistry Letters, 2012, 41, 1238-1240.	1.3	13
101	Remarkable enhancement of Cu catalyst activity in hydrogenation of dimethyl oxalate to ethylene glycol using gold. Catalysis Science and Technology, 2012, 2, 1637.	4.1	95
102	Evidence of Nonelectrochemical Shift Reaction on a CO-Tolerant High-Entropy State Ptâ€“Ru Anode Catalyst for Reliable and Efficient Residential Fuel Cell Systems. Journal of the American Chemical Society, 2012, 134, 14508-14512.	13.7	63
103	Alkaliâ€Metalâ€Promoted Pt/TiO₂ Opens a More Efficient Pathway to Formaldehyde Oxidation at Ambient Temperatures. Angewandte Chemie - International Edition, 2012, 51, 9628-9632.	13.8	611
104	International Workshop on Improving Data Quality and Quantity for XAFS Experiments (Q2XAFS 2011). Journal of Synchrotron Radiation, 2012, 19, 849-850.	2.4	7
105	Preparation of Well-defined Inhomogeneous ^|^alpha;-Sb2O4/VSbO4 Catalyst by Electron Lithography and their Catalytic Activities. Hyomen Kagaku, 2012, 33, 426-430.	0.0	1
106	Unprecedented selectivity to the direct desulfurization (DDS) pathway in a highly active FeNi bimetallic phosphide catalyst. Journal of Catalysis, 2012, 285, 1-5.	6.2	73
107	Combined in situ QXAFS and FTIR analysis of a Ni phosphide catalyst under hydrodesulfurization conditions. Journal of Catalysis, 2012, 286, 165-171.	6.2	52
108	Operando QEXAFS studies of Ni₂P during thiophene hydrodesulfurization: direct observation of Niâ€“S bond formation under reaction conditions. Journal of Synchrotron Radiation, 2012, 19, 205-209.	2.4	15

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109	Molecular Catalysts Confined on and Within Molecular Layers Formed on a Si(111) Surface with Direct Siâ€“C Bonds. Advanced Materials, 2012, 24, 268-272.	21.0	22
110	Polarization-dependent total reflection fluorescence extended X-ray absorption fine structure and its application to supported catalysis. Catalysis, 2012, , 281-322.	1.0	17
111	What is the Origin for Peaks at the L₃ XANES Spectra of AgCl?. E-Journal of Surface Science and Nanotechnology, 2012, 10, 609-612.	0.4	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. Japanese Journal of Applied Physics, 2012, 51, 046701.	1.5	0
113	Carbon Nanotube-Supported RuFe Bimetallic Nanoparticles as Efficient and Robust Catalysts for Aqueous-Phase Selective Hydrogenolysis of Glycerol to Glycols. ACS Catalysis, 2011, 1, 1521-1528.	11.2	83
114	Quick X-ray Absorption Fine Structure Studies on the Activation Process of Ni₂P Supported on K-USY. Journal of Physical Chemistry C, 2011, 115, 7466-7471.	3.1	29
115	Ni@NiO Coreâ€“Shell Structure-Modified Nitrogen-Doped InTaO₄ for Solar-Driven Highly Efficient CO₂ Reduction to Methanol. Journal of Physical Chemistry C, 2011, 115, 10180-10186.	3.1	165
116	Angle resolved total reflection fluorescence XAFS and its application to Au clusters on TiO2(110) (1 *) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	10
117	Dynamical LEED analysis of Ni2P (0001)-1Ã—1: Evidence for P-covered surface structure. Chemical Physics Letters, 2011, 513, 48-52.	2.6	45
118	Carbon incorporated FeN/C electrocatalyst for oxygen reduction enhancement in direct methanol fuel cells: X-ray absorption approach to local structures. Electrochimica Acta, 2011, 56, 8734-8738.	5.2	25
119	Influence of calcination temperature on iron titanate catalyst for the selective catalytic reduction of NOx with NH3. Catalysis Today, 2011, 164, 520-527.	4.4	98
120	Preparation of well-crystallized Pd20Te7 alloy nanoparticulate catalysts with uniform structure and composition in liquid-phase. Applied Catalysis A: General, 2011, 392, 80-85.	4.3	8
121	Influence of sulfation on iron titanate catalyst for the selective catalytic reduction of NOx with NH3. Applied Catalysis B: Environmental, 2011, 103, 369-377.	20.2	245
122	Expansion of nanotechnology for dentistry: effect of colloidal platinum nanoparticles on dentin adhesion mediated by 4-META/MMA-TBB. Journal of Adhesive Dentistry, 2011, 13, 411-6.	0.5	11
123	XAFS Analysis of the Bronchoalveolar Lavage Fluid of a Tungsten Carbide Pneumoconiosis Patient. Chemistry Letters, 2010, 39, 852-853.	1.3	7
124	Electronic structure of the surface: Angle-resolved photoemission study. Solid State Communications, 2010, 150, 1120-1123.	1.9	14
125	STM studies on the reconstruction of the Ni2P (101Ì…0) surface. Surface Science, 2010, 604, 1347-1352.	1.9	27
126	Atomic aspects of surface chemical reactions. Catalysis Today, 2010, 157, 2-7.	4.4	10

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127	Effect of application time of colloidal platinum nanoparticles on the microtensile bond strength to dentin. Dental Materials Journal, 2010, 29, 682-689.	1.8	25
128	Ag L₃-Edge X-ray Absorption Near-Edge Structure of 4d¹⁰(Ag⁺) Compounds: Origin of the Edge Peak and Its Chemical Relevance. Journal of Physical Chemistry A, 2010, 114, 4093-4098.	2.5	36
129	First Direct Visualization of Spillover Species Emitted from Pt Nanoparticles. Langmuir, 2010, 26, 16392-16396.	3.5	16
130	Energy Filtered X-Ray Photoemission Electron Microscopy. Advances in Imaging and Electron Physics, 2010, , 1-43.	0.2	4
131	Angle-Resolved and Resonant Photoelectron Spectroscopy Study of Ni2P (10-10) Single-Crystal Surface. Hyomen Kagaku, 2010, 31, 324-330.	0.0	1
132	Vacuum and Environmental Catalysts. Journal of the Vacuum Society of Japan, 2010, 53, 19-24.	0.3	0
133	Scanning Tunneling Microscopy and Photoemission Electron Microscopy Studies on Single Crystal Ni₂P Surfaces. Journal of Nanoscience and Nanotechnology, 2009, 9, 195-201.	0.9	30
134	Combined in situ analysis of Ni₂P/MCM-41 under hydrodesulfurization conditions â€“ Simultaneous observation of QXAFS and FTIR â€“. Journal of Physics: Conference Series, 2009, 190, 012158.	0.4	10
135	In situ FTIR and XANES studies of thiophene hydrodesulfurization on Ni2P/MCM-41. Journal of Catalysis, 2009, 268, 209-222.	6.2	73
136	Adsorption structure of acetic anhydride on a TiO2(110) surface observed by scanning tunneling microscopy. Surface Science, 2009, 603, 552-557.	1.9	12
137	Atomically dispersed Cu species on a TiO2(110) surface precovered with acetic anhydride. Chemical Physics Letters, 2009, 470, 99-102.	2.6	13
138	Origin of Photochemical Modification of the Resistivity of Ag(DMe-DCNQI)₂ Studied by X-ray Absorption Fine Structure. Journal of Physical Chemistry C, 2009, 113, 20476-20480.	3.1	8
139	Pdâ^Câ^Fe Nanoparticles Investigated by X-ray Absorption Spectroscopy as Electrocatalysts for Oxygen Reduction. Chemistry of Materials, 2009, 21, 4030-4036.	6.7	33
140	What is the Interaction between Atomically Dispersed Ni and Oxide Surfaces?. Materials Transactions, 2009, 50, 509-515.	1.2	9
141	Principles Pertaining to the Metal-support Interaction on Metal Oxide Surfaces. Hyomen Kagaku, 2009, 30, 84-91.	0.0	2
142	Synthesis of Silica-Supported Compact Phosphines and Their Application to Rhodium-Catalyzed Hydrosilylation of Hindered Ketones with Triorganosilanes. Organometallics, 2008, 27, 6495-6506.	2.3	47
143	A Scanning Tunneling Microscopy Observation of ($sqrt{3}imessqrt{3}$) R30Â° Reconstructed Ni2P(0001). Japanese Journal of Applied Physics, 2008, 47, 6088-6091.	1.5	16
144	Origin of Self-Regulated Cluster Growth on the TiO₂(110) Surface Studied Using Polarization-Dependent Total Reflection Fluorescence XAFS. Journal of Physical Chemistry C, 2008, 112, 4667-4675.	3.1	22

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145	Local structure of Pt and Pd ions in Ce1â^'xTixO2: X-ray diffraction, x-ray photoelectron spectroscopy, and extended x-ray absorption fine structure. Journal of Chemical Physics, 2008, 128, 124711.	3.0	20
146	Growth of carbon nanofibers on nanoscale catalyst strips fabricated with a focused ion beam. Nanotechnology, 2008, 19, 405302.	2.6	6
147	Design of a high-temperature and high-pressure liquid flow cell for x-ray absorption fine structure measurements under catalytic reaction conditions. Review of Scientific Instruments, 2008, 79, 014101.	1.3	21
148	Infrared-Induced Reaction on MoO3 Using a Tunable Infrared Free Electron Laser. Bulletin of the Chemical Society of Japan, 2008, 81, 836-842.	3.2	7
149	XAFS Analysis of Ti and Ni Dissolution from Pure Ti, Niâ€“Ti Alloy, and SUS304 in Soft Tissues. Chemistry Letters, 2008, 37, 958-959.	1.3	5
150	Aberration-corrected multipole Wien filter for energy-filtered x-ray photoemission electron microscopy. Review of Scientific Instruments, 2007, 78, 063710.	1.3	11
151	Time-Resolved DXAFS Study of Adsorption and Release of Hydrogen on Pt/MCM-41. AIP Conference Proceedings, 2007, , .	0.4	1
152	Chemical States of Ag in Ag(DMe-DCNQI)2 Photoproducts and a Proposal for Its Photoinduced Conductivity Change Mechanism. Chemistry Letters, 2007, 36, 1008-1009.	1.3	10
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