

Takehiko Sasaki

List of Publications by Year in descending order

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159
papers

5,403
citations

61984

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106344

65
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167
all docs

167
docs citations

167
times ranked

6396
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray absorption spectra of aqueous cellobiose: Experiment and theory. <i>Journal of Chemical Physics</i> , 2022, 156, 044202.	3.0	4
2	Nontraditional Aldol Condensation Performance of Highly Efficient and Reusable Cs ⁺ Single Sites in β -Zeolite Channels. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18464-18475.	8.0	8
3	CO ₂ hydrogenation in ionic liquids: Recent update. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022, 36, 100633.	5.9	7
4	Refined metadynamics through canonical sampling using time-invariant bias potential: A study of polyalcohol dehydration in hot acidic solutions. <i>Journal of Computational Chemistry</i> , 2021, 42, 156-165.	3.3	5
5	Unprecedented Catalysis of Cs ⁺ Single Sites Confined in γ Zeolite Pores for Selective C ₃ -H Bond Ammoxidation: Transformation of Inactive Cs ⁺ Ions with a Noble Gas Electronic Structure to Active Cs ⁺ Single Sites. <i>ACS Catalysis</i> , 2021, 11, 6698-6708.	11.2	12
6	The mechanism of sorbitol dehydration in hot acidic solutions. <i>Journal of Computational Chemistry</i> , 2021, 42, 1783-1791.	3.3	1
7	Combined experimental and computational study to unravel the factors of the Cu/TiO ₂ catalyst for CO ₂ hydrogenation to methanol. <i>Journal of CO₂ Utilization</i> , 2021, 50, 101576.	6.8	18
8	Design of highly stable MgO promoted Cu/ZnO catalyst for clean methanol production through selective hydrogenation of CO ₂ . <i>Applied Catalysis A: General</i> , 2021, 623, 118239.	4.3	40
9	In-situ experimental and computational approach to investigate the nature of active site in low-temperature CO-PROX over CuO _x -CeO ₂ catalyst. <i>Applied Catalysis A: General</i> , 2021, 624, 118305.	4.3	20
10	4-Propylphenol Hydrogenation over Pt-Pd Bimetallic Catalyst in Aqueous Ethanol Solution without External Hydrogen. <i>Chemistry Letters</i> , 2021, 50, 1968-1971.	1.3	1
11	Room temperature selective reduction of nitroarenes to azoxy compounds over Ni-TiO ₂ catalyst. <i>Molecular Catalysis</i> , 2020, 490, 110943.	2.0	14
12	NH ₃ -Driven Benzene C-H Activation with O ₂ that Opens a New Way for Selective Phenol Synthesis. <i>Chemical Record</i> , 2019, 19, 2069-2081.	5.8	3
13	Metal Nanoparticles Syntheses on Ionic Liquids Functionalized Mesoporous Silica SBA-15. <i>Chemical Record</i> , 2019, 19, 2058-2068.	5.8	13
14	Preparation of Nanostructured Pd ₂ O ₃ Catalyst for C-C Coupling Reaction. <i>ChemistrySelect</i> , 2019, 4, 10566-10575.	1.5	8
15	Development of Highly Efficient and Durable Three-Dimensional Octahedron NiCo ₂ O ₄ Spinel Nanoparticles toward the Selective Oxidation of Styrene. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 18168-18177.	3.7	17
16	Understanding Competition of Polyalcohol Dehydration Reactions in Hot Water. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1662-1671.	2.6	4
17	Synthesis of Highly Active Pd Nanoparticles Supported Iron Oxide Catalyst for Selective Hydrogenation and Cross-Coupling Reactions in Aqueous Medium. <i>ChemistrySelect</i> , 2019, 4, 5019-5032.	1.5	6
18	Highly active and stable supported Pd catalysts on ionic liquid-functionalized SBA-15 for Suzuki-Miyaura cross-coupling and transfer hydrogenation reactions. <i>Green Energy and Environment</i> , 2019, 4, 180-189.	8.7	25

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19	Amine-Functionalized Graphene Oxide-Stabilized Pd Nanoparticles (Pd@APGO): A Novel and Efficient Catalyst for the Suzuki and Carbonylative Suzuki–Miyaura Coupling Reactions. <i>ACS Omega</i> , 2019, 4, 643-649.	3.5	64
20	Metal Ion-Containing Ionic Liquid Catalysts on Solid Supports for Organic Reactions. , 2019, , 1-21.		0
21	Ionic Liquid Immobilized on Graphene–Oxide–Containing Palladium Metal Ions as an Efficient Catalyst for the Alkoxy, Amino, and Phenoxy Carbonylation Reactions. <i>ChemNanoMat</i> , 2018, 4, 575-582.	2.8	13
22	Surfactant–Induced Preparation of Highly Dispersed Ni–Nanoparticles Supported on Nanocrystalline ZrO ₂ for Chemoselective Reduction of Nitroarenes. <i>ChemistrySelect</i> , 2018, 3, 1129-1141.	1.5	13
23	Ru@PSIL–Catalyzed Synthesis of <i>N</i> –Formamides and Benzimidazole by using Carbon Dioxide and Dimethylamine Borane. <i>ChemCatChem</i> , 2018, 10, 2593-2600.	3.7	58
24	Size-controllable gold nanoparticles prepared from immobilized gold-containing ionic liquids on SBA-15. <i>Catalysis Today</i> , 2018, 309, 109-118.	4.4	12
25	Confined Single Alkali Metal Ion Platform in a Zeolite Pore for Concerted Benzene C–H Activation to Phenol Catalysis. <i>ACS Catalysis</i> , 2018, 8, 11979-11986.	11.2	20
26	Mechanistic aspects of formation of MgO nanoparticles under microwave irradiation and its catalytic application. <i>Advanced Powder Technology</i> , 2017, 28, 1185-1192.	4.1	46
27	MoO ₃ Nanoclusters Decorated on TiO ₂ Nanorods for Oxidative dehydrogenation of ethane to ethylene. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 637-649.	20.2	59
28	Highly selective transfer hydrogenation of α,β -unsaturated carbonyl compounds using Cu-based nanocatalysts. <i>Catalysis Science and Technology</i> , 2017, 7, 2828-2837.	4.1	26
29	Pt–CeO ₂ nanoporous spheres – an excellent catalyst for partial oxidation of methane: effect of the bimodal pore structure. <i>Catalysis Science and Technology</i> , 2017, 7, 4720-4735.	4.1	23
30	Immobilized ruthenium metal-containing ionic liquid-catalyzed dehydrogenation of dimethylamine borane complex for the reduction of olefins and nitroarenes. <i>RSC Advances</i> , 2016, 6, 52347-52352.	3.6	14
31	Rh/Cu ₂ O nanoparticles: Synthesis, characterization and catalytic application as a heterogeneous catalyst in hydroformylation reaction. <i>Polyhedron</i> , 2016, 120, 162-168.	2.2	15
32	Highly nanodispersed Gd-doped Ni/ZSM-5 catalyst for enhanced carbon-resistant dry reforming of methane. <i>Journal of Molecular Catalysis A</i> , 2016, 424, 17-26.	4.8	39
33	Effect of solvent ratio and counter ions on the morphology of copper nanoparticles and their catalytic application in β -enaminone synthesis. <i>RSC Advances</i> , 2016, 6, 101800-101807.	3.6	9
34	Hybrid Amine–Functionalized Graphene Oxide as a Robust Bifunctional Catalyst for Atmospheric Pressure Fixation of Carbon Dioxide using Cyclic Carbonates. <i>ChemSusChem</i> , 2016, 9, 644-650.	6.8	75
35	Silica supported palladium phosphine as a robust and recyclable catalyst for semi-hydrogenation of alkynes using syngas. <i>Journal of Molecular Catalysis A</i> , 2016, 414, 78-86.	4.8	19
36	Synthesis of highly coke resistant Ni nanoparticles supported MgO/ZnO catalyst for reforming of methane with carbon dioxide. <i>Applied Catalysis B: Environmental</i> , 2016, 191, 165-178.	20.2	139

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37	Partial oxidation of methane to synthesis gas over Pt nanoparticles supported on nanocrystalline CeO ₂ catalyst. Catalysis Science and Technology, 2016, 6, 4601-4615.	4.1	46
38	Catalytic oxidation of aromatic amines to azoxy compounds over a Cu@CeO ₂ catalyst using H ₂ O ₂ as an oxidant. RSC Advances, 2016, 6, 22812-22820.	3.6	23
39	Role of palladium precursors in morphology selective synthesis of palladium nanostructures. Powder Technology, 2016, 291, 154-158.	4.2	7
40	Immobilized Iron Metal-Containing Ionic Liquid-Catalyzed Chemoselective Transfer Hydrogenation of Nitroarenes into Anilines. ACS Sustainable Chemistry and Engineering, 2016, 4, 429-436.	6.7	64
41	Selective Synthesis of Phenol from Benzene with O ₂ by Switchover of the Reaction Pathway from Complete Oxidation to Selective Hydroxylation by NH ₃ on Ir/Zeolite and Ni/Zeolite Catalysts. ChemCatChem, 2015, 7, 3248-3253.	3.7	6
42	Structure of the Active Platinum Cluster and Reaction Pathway of the Selective Synthesis of Phenol from Benzene and Oxygen Regulated with Ammonia on a Platinum Cluster/Zeolite Catalyst Studied by DFT Calculations. Chemistry - an Asian Journal, 2015, 10, 2283-2291.	3.3	1
43	Synthesis of oxamate and urea by oxidative single and double carbonylation of amines using immobilized palladium metal-containing ionic liquid@SBA-15. Journal of Molecular Catalysis A, 2015, 400, 170-178.	4.8	37
44	Effect of surfactant/water ratio and reagents concentration on size distribution of manganese carbonate nanoparticles synthesized by microemulsion mediated route. Applied Surface Science, 2015, 331, 463-471.	6.1	16
45	Room temperature selective oxidation of aniline to azoxybenzene over a silver supported tungsten oxide nanostructured catalyst. Green Chemistry, 2015, 17, 1867-1876.	9.0	92
46	Synthesis of Polyester Amide by Carbonylation-Polycondensation Reaction Using Immobilized Palladium Metal Containing Ionic Liquid on SBA-15 as a Phosphine-Free Catalytic System. Catalysis Letters, 2015, 145, 824-833.	2.6	16
47	Synthesis of lipase nano-bio-conjugates as an efficient biocatalyst: characterization and activity-stability studies with potential biocatalytic applications. RSC Advances, 2015, 5, 55238-55251.	3.6	33
48	Synergistic Effect between Ultrasmall Cu(II) Oxide and CuCr ₂ O ₄ Spinel Nanoparticles in Selective Hydroxylation of Benzene to Phenol with Air as Oxidant. ACS Catalysis, 2015, 5, 2850-2858.	11.2	81
49	Magnetically separable γ -Fe ₂ O ₃ nanoparticles: An efficient catalyst for acylation of alcohols, phenols, and amines using sonication energy under solvent free condition. Journal of Molecular Catalysis A, 2015, 404-405, 8-17.	4.8	48
50	Atmospheric pressure synthesis of diamondoids by plasmas generated inside a microfluidic reactor. Diamond and Related Materials, 2015, 59, 40-46.	3.9	10
51	Silica supported palladium-phosphine as a reusable catalyst for alkoxycarbonylation and aminocarbonylation of aryl and heteroaryl iodides. RSC Advances, 2015, 5, 94776-94785.	3.6	42
52	NiO nanoparticles catalyzed three component coupling reaction of aldehyde, amine and terminal alkynes. Catalysis Communications, 2015, 72, 174-179.	3.3	27
53	Fabrication of Silver-Tungsten Wafer-like Nanoarchitectures for Selective Epoxidation of Alkenes. ACS Sustainable Chemistry and Engineering, 2015, 3, 2823-2830.	6.7	17
54	Synthesis of polyamides using palladium-on-carbon (Pd/C) as a heterogeneous, reusable and ligand-free catalytic system. RSC Advances, 2015, 5, 93773-93778.	3.6	9

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55	Nanocrystalline Pt-CeO ₂ as an efficient catalyst for a room temperature selective reduction of nitroarenes. <i>Green Chemistry</i> , 2015, 17, 785-790.	9.0	89
56	Chemoselective Transfer Hydrogenation of α,β -Unsaturated Carbonyls Using Palladium Immobilized Ionic Liquid Catalyst. <i>Catalysis Letters</i> , 2014, 144, 1803-1809.	2.6	16
57	Preparation of the CuCr ₂ O ₄ spinel nanoparticles catalyst for selective oxidation of toluene to benzaldehyde. <i>Green Chemistry</i> , 2014, 16, 2500-2508.	9.0	99
58	Pt nanoparticle supported on nanocrystalline CeO ₂ : highly selective catalyst for upgradation of phenolic derivatives present in bio-oil. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18398-18404.	10.3	32
59	Cu nanoclusters supported on nanocrystalline SiO ₂ -MnO ₂ : a bifunctional catalyst for the one-step conversion of glycerol to acrylic acid. <i>Chemical Communications</i> , 2014, 50, 9707-9710.	4.1	51
60	Transient Mechanistic Studies of Methane Steam Reforming over Ceria-Promoted Rh/Al ₂ O ₃ Catalysts. <i>ChemCatChem</i> , 2014, 6, 2898-2903.	3.7	12
61	Facile synthesis of CuCr ₂ O ₄ spinel nanoparticles: a recyclable heterogeneous catalyst for the one pot hydroxylation of benzene. <i>Catalysis Science and Technology</i> , 2014, 4, 4232-4241.	4.1	52
62	Pt nanoparticles with tuneable size supported on nanocrystalline ceria for the low temperature water-gas-shift (WGS) reaction. <i>Journal of Molecular Catalysis A</i> , 2014, 395, 117-123.	4.8	21
63	Formation of ilmenite-type CoTiO ₃ on TiO ₂ and its performance in oxidative dehydrogenation of cyclohexane with molecular oxygen. <i>Catalysis Communications</i> , 2014, 56, 5-10.	3.3	14
64	A facile and rapid route for the synthesis of Cu/Cu ₂ O nanoparticles and their application in the Sonogashira coupling reaction of acyl chlorides with terminal alkynes. <i>Catalysis Science and Technology</i> , 2014, 4, 4274-4280.	4.1	61
65	Selective oxidation of cyclohexene to adipic acid over silver supported tungsten oxide nanostructured catalysts. <i>Green Chemistry</i> , 2014, 16, 2826.	9.0	78
66	Immobilized palladium metal containing ionic liquid catalyzed one step synthesis of isoindole-1,3-diones by carbonylative cyclization reaction. <i>Journal of Molecular Catalysis A</i> , 2014, 385, 91-97.	4.8	37
67	Selective Oxidation of Propylene to Propylene Oxide over Silver-Supported Tungsten Oxide Nanostructure with Molecular Oxygen. <i>ACS Catalysis</i> , 2014, 4, 2169-2174.	11.2	114
68	Ultradeep hydrodesulfurization of diesel fuels using highly efficient nanoalumina-supported catalysts: Impact of support, phosphorus, and/or boron on the structure and catalytic activity. <i>Journal of Catalysis</i> , 2013, 299, 321-335.	6.2	96
69	Immobilized Palladium Metal-Containing Ionic Liquid-Catalyzed Alkoxylation, Phenoxylation, and Aminocarbonylation Reactions. <i>ACS Catalysis</i> , 2013, 3, 287-293.	11.2	110
70	Direct Synthesis of Phenol from Benzene and O ₂ , Regulated by NH ₃ on Pt/ γ -Al ₂ O ₃ /ZSM-5 Catalysts. <i>ChemCatChem</i> , 2013, 5, 2203-2206.	3.7	19
71	Efficient, recyclable and phosphine-free carbonylative Suzuki coupling reaction using immobilized palladium ion-containing ionic liquid: synthesis of aryl ketones and heteroaryl ketones. <i>RSC Advances</i> , 2013, 3, 7791.	3.6	45
72	Valence instability and photochemical reaction at surface of strongly correlated MgTi ₂ O ₄ . <i>APL Materials</i> , 2013, 1, .	5.1	7

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73	Surface-assisted transfer hydrogenation catalysis on a γ -Al ₂ O ₃ -supported Ir dimer. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 16023.	2.8	19
74	Aqueous phase reforming of glycerol to 1,2-propanediol over Pt-nanoparticles supported on hydrotalcite in the absence of hydrogen. <i>Green Chemistry</i> , 2012, 14, 3107.	9.0	49
75	Room temperature selective oxidation of cyclohexane over Cu-nanoclusters supported on nanocrystalline Cr ₂ O ₃ . <i>Green Chemistry</i> , 2012, 14, 2600.	9.0	56
76	Gold nanoparticles stabilized on nanocrystalline magnesium oxide as an active catalyst for reduction of nitroarenes in aqueous medium at room temperature. <i>Green Chemistry</i> , 2012, 14, 3164.	9.0	326
77	In situ time-resolved XAFS study on the structural transformation and phase separation of Pt ₃ Sn and PtSn alloy nanoparticles on carbon in the oxidation process. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 15833.	2.8	62
78	Synthesis of Diamondoids by Supercritical Xenon Discharge Plasma. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 030207.	1.5	10
79	Core-Shell Phase Separation and Structural Transformation of Pt ₃ Sn Alloy Nanoparticles Supported on γ -Al ₂ O ₃ in the Reduction and Oxidation Processes Characterized by In Situ Time-Resolved XAFS. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5823-5833.	3.1	55
80	Room temperature synthesis of benzimidazole derivatives using reusable cobalt hydroxide (II) and cobalt oxide (II) as efficient solid catalysts. <i>Tetrahedron Letters</i> , 2011, 52, 5575-5580.	1.4	108
81	Synthesis of higher diamondoids by pulsed laser ablation plasmas in supercritical CO ₂ . <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	42
82	Synthesis of Diamondoids by Supercritical Xenon Discharge Plasma. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 030207.	1.5	10
83	High magnetic field effect in organic light emitting diodes. <i>Organic Electronics</i> , 2010, 11, 1212-1216.	2.6	7
84	Development of sheet-like dielectric barrier discharge microplasma generated in supercritical fluids and its application to the synthesis of carbon nanomaterials. <i>Journal of Supercritical Fluids</i> , 2010, 55, 325-332.	3.2	17
85	A novel mechanism for spectator CO-mediated reaction with unique cis-(NO) ₂ dimer on a Co ₂ -dimer/ γ -Al ₂ O ₃ (1 1 0) model catalyst: Density functional theory calculations. <i>Catalysis Today</i> , 2010, 154, 118-126.	4.4	1
86	Pulsed Laser Ablation Synthesis of Diamond Molecules in Supercritical Fluids. <i>Applied Physics Express</i> , 2010, 3, 096201.	2.4	28
87	Synthesis of the Higher-Order Diamondoid Hexamantane Using Low-Temperature Plasmas Generated in Supercritical Xenon. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 070213.	1.5	15
88	Morphological Control of Single Crystalline Co ₃ O ₄ Polyhedrons: Selective and Nonselective Growth of Crystal Planes Directed by Differently Charged Surfactants and Solvents. <i>Crystal Growth and Design</i> , 2010, 10, 1233-1236.	3.0	45
89	Alternative Selective Oxidation Pathways for Aldehyde Oxidation and Alkene Epoxidation on a SiO ₂ -Supported Ru ^{II} Monomer Complex Catalyst. <i>Journal of the American Chemical Society</i> , 2010, 132, 713-724.	13.7	62
90	Co(OH) ₃ nanobelts: synthesis, characterization and shape-preserved transformation to pseudo-single-crystalline Co ₃ O ₄ nanobelts. <i>Nanotechnology</i> , 2010, 21, 045605.	2.6	22

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91	Density Functional Theory Study on the Re Cluster/HZSM-5 Catalysis for Direct Phenol Synthesis from Benzene and Molecular Oxygen: Active Re Structure and Reaction Mechanism. Topics in Catalysis, 2009, 52, 880-887.	2.8	8
92	Immobilized metal ion-containing ionic liquids: Preparation, structure and catalytic performances in Kharasch addition reaction and Suzuki cross-coupling reactions. Journal of Molecular Catalysis A, 2008, 279, 200-209.	4.8	64
93	Photoinduced Reversible Structural Transformation and Selective Oxidation Catalysis of Unsaturated Ruthenium Complexes Supported on SiO ₂ . Angewandte Chemie - International Edition, 2008, 47, 9252-9255.	13.8	24
94	Synthesis of CoOOH Hierarchically Hollow Spheres by Nanorod Self-Assembly through Bubble Templating. Chemistry of Materials, 2008, 20, 2049-2056.	6.7	84
95	Syntheses, Structures, and Properties of a Series of Metal Ion-Containing Dialkylimidazolium Ionic Liquids. Bulletin of the Chemical Society of Japan, 2007, 80, 2365-2374.	3.2	105
96	Novel Re-Cluster/HZSM-5 Catalyst for Highly Selective Phenol Synthesis from Benzene and O ₂ : Performance and Reaction Mechanism. Journal of Physical Chemistry C, 2007, 111, 10095-10104.	3.1	48
97	NH ₃ -promoted Direct Phenol Synthesis from Benzene with Molecular Oxygen on N-Interstitial Re ₁₀ -Cluster/Zeolite Catalysts. Studies in Surface Science and Catalysis, 2007, 172, 381-384.	1.5	2
98	A new aspect of heterogeneous catalysis: Highly reactive cis-(NO) ₂ dimer and Eley-Rideal mechanism for NO-CO reaction on a Co-dimer/ γ -alumina catalyst. Chemical Physics Letters, 2007, 443, 66-70.	2.6	13
99	Density Functional Theoretical Calculations for a Co ₂ / γ -Al ₂ O ₃ Model Catalyst: Structures of the γ -Al ₂ O ₃ Bulk and Surface and Attachment Sites for Co ₂ +Ions. Journal of Physical Chemistry B, 2006, 110, 4929-4936.	2.6	22
100	Synthesis of nanocrystalline zeolite beta in supercritical fluids, characterization and catalytic activity. Journal of Molecular Catalysis A, 2006, 252, 76-84.	4.8	27
101	Ni ion-containing ionic liquid salt and Ni ion-containing immobilized ionic liquid on silica: Application to Suzuki cross-coupling reactions between chloroarenes and arylboronic acids. Journal of Catalysis, 2006, 242, 357-364.	6.2	79
102	Direct Phenol Synthesis by Selective Oxidation of Benzene with Molecular Oxygen on an Interstitial-N/Re Cluster/Zeolite Catalyst. Angewandte Chemie - International Edition, 2006, 45, 448-452.	13.8	139
103	Oxide Surface-Promoted Pd-Complex Catalysis for Intramolecular O-Activated Alkene Hydroamination: Catalyst Preparation, Characterization, and Performance.. ChemInform, 2005, 36, no.	0.0	0
104	Immobilized Metal Ion-Containing Ionic Liquids: Preparation, Structure and Catalytic Performance in Kharasch Addition Reaction.. ChemInform, 2005, 36, no.	0.0	75
105	Immobilized metal ion-containing ionic liquids: preparation, structure and catalytic performance in Kharasch addition reaction. Chemical Communications, 2005, , 2506.	4.1	112
106	Bound Site of Mo Atoms and Its Local Structure in a Mo/HY Catalyst Characterized by Extended X-ray Absorption Fine Structure and Density Functional Calculation. Journal of Physical Chemistry B, 2005, 109, 2128-2138.	2.6	6
107	Oxide surface-promoted Pd-complex catalysis for intramolecular O-activated alkene hydroamination: catalyst preparation, characterization, and performance. Chemical Communications, 2004, , 2562.	4.1	29
108	Design of a Novel Molecular-Imprinted Rh ^{III} -Amine Complex on SiO ₂ and Its Shape-Selective Catalysis for β -Methylstyrene Hydrogenation. Journal of Physical Chemistry B, 2004, 108, 2918-2930.	2.6	64

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109	First-Principles Theoretical Study and Scanning Tunneling Microscopic Observation of Dehydration Process of Formic Acid on a TiO ₂ (110) Surface. <i>Journal of Physical Chemistry B</i> , 2004, 108, 14446-14451.	2.6	62
110	Selective oxidation of benzene to phenol with molecular oxygen on rhenium/zeolite catalysts. Electronic supplementary information (ESI) available: Fourier transformed EXAFS functions at Re LIII-edge. See http://www.rsc.org/suppdata/cc/b4/b401373e/ . <i>Chemical Communications</i> , 2004, , 992.	4.1	66
111	Electronic structure of alkali halide-metal interface: LiCl()/Cu(). <i>Surface Science</i> , 2003, 522, 84-89.	1.9	10
112	35 Formation of new re clusters in HZSM-5 and their catalytic property in propene selective oxidation/ammoxidation reactions. <i>Studies in Surface Science and Catalysis</i> , 2003, 145, 189-192.	1.5	1
113	Ammonia-Promoted Rhenium-Cluster Formation in CH ₃ ReO ₃ -Encapsulated H-ZSM-5 Relevant to the Performance of the Catalytically Selective Oxidation/Ammoxidation of Propene. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10955-10963.	2.6	28
114	Performance and Kinetic Behavior of a New SiO ₂ -Attached Molecular-Imprinting Rh-Dimer Catalyst in Size- and Shape-Selective Hydrogenation of Alkenes. <i>Journal of Catalysis</i> , 2002, 211, 496-510.	6.2	39
115	Design, characterization and performance of a molecular imprinting Rh-dimer hydrogenation catalyst on a SiO ₂ surface. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 5899-5909.	2.8	30
116	Novel SiO ₂ -attached molecular-imprinting Rh-monomer catalysts for shape-selective hydrogenation of alkenes; preparation, characterization and performance. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 4561-4574.	2.8	39
117	Oxygen adsorption states on Mo() surface studied by HREELS. <i>Surface Science</i> , 2002, 502-503, 136-143.	1.9	28
118	Design of catalytic sites at oxide surfaces by metal-complex attaching and molecular imprinting techniques. <i>Journal of Molecular Catalysis A</i> , 2002, 182-183, 125-136.	4.8	34
119	Atomic and electronic structures of MgO/Ag() heterointerface. <i>Surface Science</i> , 2002, 512, 97-106.	1.9	45
120	Performance and Kinetic Behavior of a New SiO ₂ -Attached Molecular-Imprinting Rh-Dimer Catalyst in Size- and Shape-Selective Hydrogenation of Alkenes. <i>Journal of Catalysis</i> , 2002, 211, 496-510.	6.2	19
121	Observation of individual adsorbed pyridine, ammonia, and water on TiO ₂ (110) by means of scanning tunneling microscopy. <i>Studies in Surface Science and Catalysis</i> , 2001, , 753-756.	1.5	14
122	Behavior of pyridine on a TiO ₂ (110) surface studied by Density Functional Theory. <i>Studies in Surface Science and Catalysis</i> , 2001, 132, 749-752.	1.5	6
123	Heteroepitaxial growth of LiCl on Cu(001). <i>Physical Review B</i> , 2001, 63, .	3.2	12
124	CO Adsorption on c(2 $\sqrt{2}$ -2)-Li/Cu(100): interaction between CO and Li on unreconstructed Cu(100) surfaces. <i>Surface Science</i> , 2000, 448, 250-260.	1.9	9
125	Temperature-programmed ESDIAD/TOF system as a new technique for characterization of adsorbed molecules and reaction intermediates. <i>Research on Chemical Intermediates</i> , 1999, 25, 157-175.	2.7	0
126	The selective adsorption and kinetic behaviour of molecules on TiO ₂ (110) observed by STM and NC-AFM. <i>Faraday Discussions</i> , 1999, 114, 259-266.	3.2	36

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127	CO-induced destruction of Cu(100) $\hat{=}$ (2 Å –1)Li studied by HREELS. Surface Science, 1999, 427-428, 408-413.	1.9	3
128	Real-time observation of the dehydrogenation processes of methanol on clean Ru(001) and Ru(001)-p(2 Å –2) $\hat{=}$ O surfaces by a temperature-programmed electron-stimulated desorption ion angular distribution/time-of-flight system. Surface Science, 1999, 443, 44-56.	1.9	11
129	Title is missing!. Catalysis Letters, 1998, 54, 177-180.	2.6	16
130	STM visualization of site-specific adsorption of pyridine on TiO ₂ (110). Catalysis Letters, 1998, 50, 117-123.	2.6	38
131	Real time observation of coadsorption layers of acetylene/CO and acetylene/O on Ru(001) using a temperature-programmed ESDIAD/TOF system. Journal of Electron Spectroscopy and Related Phenomena, 1998, 88-91, 773-778.	1.7	2
132	Study of pyridine and its derivatives adsorbed on a TiO ₂ (110) $\hat{=}$ (1 Å –1)surface by means of STM, TDS, XPS and MD calculation in relation to surface acid[ndash]base interaction. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 161-166.	1.7	53
133	Development of a temperature-programed electron-stimulated desorption ion angular distribution/time-of-flight system for real-time observation of surface processes and its application to adsorbed layers on Ru(001). Review of Scientific Instruments, 1998, 69, 3666-3673.	1.3	1
134	Detection of Several mRNA Species in Rice Phloem Sap. Plant and Cell Physiology, 1998, 39, 895-897.	3.1	112
135	Activation of c-Jun N-Terminal Kinase (JNK) by Lysophosphatidic Acid in Swiss 3T3 Fibroblasts. Journal of Biochemistry, 1998, 124, 934-939.	1.7	11
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