

Saburo Hosokawa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

119
papers

2,503
citations

29
h-index

43
g-index

128
ext. papers

3,007
ext. citations

5.9
avg, IF

5.37
L-index

#	Paper	IF	Citations
119	Oxygen Storage Capacity of Co-Doped SrTiO ₃ with High Redox Performance. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 4415-4422	3.8	2
118	Effect of Zn in Ag-Loaded Zn-Modified ZnTa ₂ O ₆ for Photocatalytic Conversion of CO ₂ by H ₂ O. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 1304-1312	3.8	1
117	Observation of Adsorbed Hydrogen Species on Supported Metal Catalysts by Inelastic Neutron Scattering. <i>Topics in Catalysis</i> , 2021 , 64, 660-671	2.3	0
116	Oxygen Release and Storage Property of Fe-Al Spinel Compounds: A Three-Way Catalytic Reaction over a Supported Rh Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 24615-24623	9.5	2
115	Local Structure and L- and L-Edge X-ray Absorption Near Edge Structures of Middle Lanthanoid Elements (Eu, Gd, Tb, and Dy) in Their Complex Oxides. <i>Inorganic Chemistry</i> , 2021 , 60, 9359-9367	5.1	2
114	Strong Metal-Support Interaction in Pd/Ca ₂ AlMnO ₅ + γ -Catalytic NO Reduction over Mn-Doped CaO Shell. <i>ACS Catalysis</i> , 2021 , 11, 7996-8003	13.1	2
113	NO Storage Performance at Low Temperature over Platinum Group Metal-Free SrTiO-Based Material. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	4
112	A theoretical investigation into the role of catalyst support and regioselectivity of molecular adsorption on a metal oxide surface: NO reduction on Cu/Alumina. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 2575-2585	3.6	1
111	Identification of hydrogen species on Pt/Al ₂ O ₃ by in situ inelastic neutron scattering and their reactivity with ethylene. <i>Catalysis Science and Technology</i> , 2021 , 11, 116-123	5.5	4
110	Real-time observation of the effect of oxygen storage materials on Pd-based three-way catalysts under ideal automobile exhaust conditions: an operando study. <i>Catalysis Science and Technology</i> , 2021 , 11, 6182-6190	5.5	1
109	Dual Ag/Co cocatalyst synergism for the highly effective photocatalytic conversion of CO by HO over Al-SrTiO. <i>Chemical Science</i> , 2021 , 12, 4940-4948	9.4	11
108	Oxidation and Storage Mechanisms for Nitrogen Oxides on Various Terminated (001) Surfaces of SrFeO and SrFeO Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 7216-7226	9.5	6
107	Highly Selective Photocatalytic Conversion of Carbon Dioxide by Water over Al-SrTiO ₃ Photocatalyst Modified with Silver-Metal Dual Cocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 9327-9335	8.3	7
106	Development of Zinc Hydroxide as an Abundant and Universal Cocatalyst for the Selective Photocatalytic Conversion of CO ₂ by H ₂ O. <i>ChemCatChem</i> , 2021 , 13, 4313	5.2	1
105	Low-Temperature NO _x Storage Capability of YBaCo ₄ O ₇ + δ Originating from Large Oxygen Nonstoichiometry. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 9817-9823	3.9	
104	Shift of active sites via in-situ photodeposition of chromate achieving highly selective photocatalytic conversion of CO ₂ by H ₂ O over ZnTa ₂ O ₆ . <i>Applied Catalysis B: Environmental</i> , 2021 , 298, 120508	21.8	2
103	Self-Regeneration Process of Ni-Cu Alloy Catalysts during a Three-Way Catalytic Reaction-An Study. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 55994-56003	9.5	2

102	Excellent Catalytic Activity of a Pd-Promoted MnO _x Catalyst for Purifying Automotive Exhaust Gases. <i>ChemCatChem</i> , 2020 , 12, 4276-4280	5.2	9
101	Effect of Surface Reforming via O ₃ Treatment on the Electrochemical CO ₂ Reduction Activity of a Ag Cathode. <i>ACS Applied Energy Materials</i> , 2020 , 3, 6552-6560	6.1	3
100	Photoelectrochemical investigation of the role of surface-modified Yb species in the photocatalytic conversion of CO ₂ by H ₂ O over Ga ₂ O ₃ photocatalysts. <i>Catalysis Today</i> , 2020 , 352, 18-26	5.3	4
99	Dynamics of the Lattice Oxygen in a Ruddlesden-Popper-type Sr ₃ Fe ₂ O ₇ Catalyst during NO Oxidation. <i>ACS Catalysis</i> , 2020 , 10, 2528-2537	13.1	9
98	Effective Driving of Ag-Loaded and Al-Doped SrTiO ₃ under Irradiation at λ = 300 nm for the Photocatalytic Conversion of CO ₂ by H ₂ O. <i>ACS Applied Energy Materials</i> , 2020 , 3, 1468-1475	6.1	29
97	Enhanced CO evolution for photocatalytic conversion of CO ₂ by H ₂ O over Ca modified Ga ₂ O ₃ . <i>Communications Chemistry</i> , 2020 , 3,	6.3	9
96	Optimized Synthesis of Ag-Modified Al-Doped SrTiO ₃ Photocatalyst for the Conversion of CO ₂ Using H ₂ O as an Electron Donor. <i>ChemistrySelect</i> , 2020 , 5, 8779-8786	1.8	9
95	Fe-Modified CuNi Alloy Catalyst as a Nonprecious Metal Catalyst for Three-Way Catalysis. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 19907-19917	3.9	7
94	NiPt Alloy Nanoparticles with Isolated Pt Atoms and Their Cooperative Neighboring Ni Atoms for Selective Hydrogenation of CO ₂ Toward CH ₄ Evolution: In Situ and Transient Fourier Transform Infrared Studies. <i>ACS Applied Nano Materials</i> , 2020 , 3, 9633-9644	5.6	9
93	Low-temperature NO oxidation using lattice oxygen in Fe-site substituted SrFeO. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 24181-24190	3.6	6
92	Important Role of Strontium Atom on the Surface of SrKTaO with a Tetragonal Tungsten Bronze Structure to Improve Adsorption of CO for Photocatalytic Conversion of CO by HO. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 37875-37884	9.5	6
91	Efficient oxygen storage property of SrBe mixed oxide as automotive catalyst support. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 1013-1021	13	7
90	The importance of direct reduction in the synthesis of highly active PtSn/SBA-15 for n-butane dehydrogenation. <i>Catalysis Science and Technology</i> , 2019 , 9, 947-956	5.5	12
89	Effect of Cr Species on Photocatalytic Stability during the Conversion of CO ₂ by H ₂ O. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 2894-2899	3.8	4
88	Role of Bicarbonate Ions in Aqueous Solution as a Carbon Source for Photocatalytic Conversion of CO ₂ into CO. <i>ACS Applied Energy Materials</i> , 2019 , 2, 5397-5405	6.1	9
87	Self-regeneration of a Ni-Cu alloy catalyst during a three-way catalytic reaction. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 18816-18822	3.6	10
86	CO and C ₃ H ₆ oxidation over platinum-group metal (PGM) catalysts supported on Mn-modified hexagonal YbFeO ₃ . <i>Catalysis Today</i> , 2019 , 332, 183-188	5.3	7
85	Isolated Platinum Atoms in Ni/Al ₂ O ₃ for Selective Hydrogenation of CO ₂ toward CH ₄ . <i>Journal of Physical Chemistry C</i> , 2019 , 123, 23446-23454	3.8	18

84	Quantum Chemical Computation-Driven Development of Cu-Shell/Bi-Core Nanoparticle Catalyst for NO Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 20251-20256	3.8	5
83	NO Oxidation and Storage Properties of a Ruddlesden-Popper-Type SrFeO-Layered Perovskite Catalyst. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 26985-26993	9.5	13
82	Model building of metal oxide surfaces and vibronic coupling density as a reactivity index: Regioselectivity of CO ₂ adsorption on Ag-loaded Ga ₂ O ₃ . <i>Chemical Physics Letters</i> , 2019 , 715, 239-243	2.5	2
81	Pt-Co Alloy Nanoparticles on a BaO Support: Synergistic Effect between Isolated Electron-Rich Pt and Co for Automotive Exhaust Purification. <i>ChemPlusChem</i> , 2019 , 84, 447-456	2.8	7
80	Effect of Thickness of Chromium Hydroxide Layer on Ag Cocatalyst Surface for Highly Selective Photocatalytic Conversion of CO ₂ by H ₂ O. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 2083-2090	8.3	15
79	Efficient ammonia synthesis over a Ru/LaCeO catalyst pre-reduced at high temperature. <i>Chemical Science</i> , 2018 , 9, 2230-2237	9.4	86
78	Striking Oxygen-Release/Storage Properties of Fe-Site-Substituted Sr ₃ Fe ₂ O ₇ . <i>Journal of Physical Chemistry C</i> , 2018 , 122, 11186-11193	3.8	13
77	Recent progress in photocatalytic conversion of carbon dioxide over gallium oxide and its nanocomposites. <i>Current Opinion in Chemical Engineering</i> , 2018 , 20, 114-121	5.4	11
76	Flux method fabrication of potassium rare-earth tantalates for CO ₂ photoreduction using H ₂ O as an electron donor. <i>Catalysis Today</i> , 2018 , 300, 173-182	5.3	18
75	Elucidating strong metal-support interactions in Pt/Sn/SiO ₂ catalyst and its consequences for dehydrogenation of lower alkanes. <i>Journal of Catalysis</i> , 2018 , 365, 277-291	7.3	52
74	Pd/SrFeTiO as Environmental Catalyst: Purification of Automotive Exhaust Gases. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22182-22189	9.5	8
73	Role of lattice oxygen and oxygen vacancy sites in platinum group metal catalysts supported on Sr ₃ Fe ₂ O ₇ for NO-selective reduction. <i>Catalysis Science and Technology</i> , 2018 , 8, 147-153	5.5	21
72	Dynamic Behavior of Rh Species in Rh/AlO Model Catalyst during Three-Way Catalytic Reaction: An Operando X-ray Absorption Spectroscopy Study. <i>Journal of the American Chemical Society</i> , 2018 , 140, 176-184	16.4	29
71	Modification of GaO by an Ag-Cr core-shell cocatalyst enhances photocatalytic CO evolution for the conversion of CO by H ₂ O. <i>Chemical Communications</i> , 2018 , 54, 1053-1056	5.8	35
70	A feasibility study of k-edge extended EXAFS measurement at the Pt L ₃ -edge of Pt/Al ₂ O ₃ in the presence of Au ₂ O ₃ . <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 84-89	3.7	9
69	Metal-Dependent Support Effects of Oxyhydride-Supported Ru, Fe, Co Catalysts for Ammonia Synthesis. <i>Advanced Energy Materials</i> , 2018 , 8, 1801772	21.8	65
68	Regioselectivity of H ₂ Adsorption on Ga ₂ O ₃ Surface Based on Vibronic Coupling Density Analysis. <i>Journal of Computer Chemistry Japan</i> , 2018 , 17, 138-141	0.2	1
67	A detailed insight into the catalytic reduction of NO operated by Cr-Cu nanostructures embedded in a CeO surface. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 25592-25601	3.6	11

66	Development of Rh-Doped Ga ₂ O ₃ Photocatalysts for Reduction of CO ₂ by H ₂ O as an Electron Donor at a More than 300 nm Wavelength. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 21132-21139	3.8	11
65	Photocatalytic Conversion of Carbon Dioxide over A ₂ BTa ₅ O ₁₅ (A = Sr, Ba; B = K, Na) Using Ammonia as an Efficient Sacrificial Reagent. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8247-8255	8.3	7
64	Mechanism of NO _x reaction over highly dispersed cuprous oxide on alumina catalyst using a metal-support interfacial site in the presence of oxygen: similarities to and differences from biological systems. <i>Catalysis Science and Technology</i> , 2018 , 8, 3833-3845	5.5	9
63	A Theoretical Investigation on CO Oxidation by Single-Atom Catalysts M/AlO (M=Pd, Fe, Co, and Ni). <i>ChemCatChem</i> , 2017 , 9, 1222-1229	5.2	63
62	Which is an Intermediate Species for Photocatalytic Conversion of CO ₂ by H ₂ O as the Electron Donor: CO ₂ Molecule, Carbonic Acid, Bicarbonate, or Carbonate Ions?. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 8711-8721	3.8	43
61	Efficient photocatalytic carbon monoxide production from ammonia and carbon dioxide by the aid of artificial photosynthesis. <i>Chemical Science</i> , 2017 , 8, 5797-5801	9.4	6
60	Highly Active and Stable Pt ₅ Sn/SBA-15 Catalyst Prepared by Direct Reduction for Ethylbenzene Dehydrogenation: Effects of Sn Addition. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 7160-7172	3.9	19
59	Strong metal-support interaction between Pt and SiO ₂ following high-temperature reduction: a catalytic interface for propane dehydrogenation. <i>Chemical Communications</i> , 2017 , 53, 6937-6940	5.8	37
58	Selective reduction of NO over Cu/Al ₂ O ₃ : Enhanced catalytic activity by infinitesimal loading of Rh on Cu/Al ₂ O ₃ . <i>Molecular Catalysis</i> , 2017 , 442, 74-82	3.3	18
57	Visible-Light Selective Photooxidation of Aromatic Hydrocarbons via Ligand-to-Metal Charge Transfer Transition on Nb ₂ O ₅ . <i>Journal of Physical Chemistry C</i> , 2017 , 121, 22854-22861	3.8	25
56	Drastic improvement in the photocatalytic activity of Ga ₂ O ₃ modified with MgAl layered double hydroxide for the conversion of CO ₂ in water. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 1740-1747	5.8	27
55	Oxygen Storage Property and Chemical Stability of SrFe _{1-x} Ti _x O ₃ with Robust Perovskite Structure. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 19358-19364	3.8	22
54	CO ₂ capture, storage, and conversion using a praseodymium-modified Ga ₂ O ₃ photocatalyst. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19351-19357	13	25
53	Enhanced oxygen-release/storage properties of Pd-loaded SrFeO. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 14107-14113	3.6	20
52	Enhancement of CO Evolution by Modification of GaO with Rare-Earth Elements for the Photocatalytic Conversion of CO by HO. <i>Langmuir</i> , 2017 , 33, 13929-13935	4	32
51	Sodium Cation Substitution in SrKTaO toward Enhancement of Photocatalytic Conversion of CO Using HO as an Electron Donor. <i>ACS Omega</i> , 2017 , 2, 8187-8197	3.9	7
50	Titanium-Based Hydrides as Heterogeneous Catalysts for Ammonia Synthesis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18240-18246	16.4	122
49	Highly selective photocatalytic conversion of CO ₂ by water over Ag-loaded SrNb ₂ O ₆ nanorods. <i>Applied Catalysis B: Environmental</i> , 2017 , 218, 770-778	21.8	65

48	Dehydrogenative synthesis of benzimidazoles under mild conditions with supported iridium catalysts. <i>Catalysis Science and Technology</i> , 2016 , 6, 1677-1684	5.5	47
47	Tuning the selectivity toward CO evolution in the photocatalytic conversion of CO ₂ with H ₂ O through the modification of Ag-loaded Ga ₂ O ₃ with a ZnGa ₂ O ₄ layer. <i>Catalysis Science and Technology</i> , 2016 , 6, 1025-1032	5.5	73
46	Synthesis of metal oxides with improved performance using a solvothermal method. <i>Journal of the Ceramic Society of Japan</i> , 2016 , 124, 870-874	1	10
45	Promoter effect of Pd species on Mn oxide catalysts supported on rare-earth-iron mixed oxide. <i>Catalysis Science and Technology</i> , 2016 , 6, 7868-7874	5.5	12
44	Fabrication of well-shaped Sr ₂ KTa ₅ O ₁₅ nanorods with a tetragonal tungsten bronze structure by a flux method for artificial photosynthesis. <i>Applied Catalysis B: Environmental</i> , 2016 , 199, 272-281	21.8	28
43	A ZnTa ₂ O ₆ photocatalyst synthesized via solid state reaction for conversion of CO ₂ into CO in water. <i>Catalysis Science and Technology</i> , 2016 , 6, 4978-4985	5.5	34
42	Investigation of the electrochemical and photoelectrochemical properties of Ni-Al LDH photocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 13811-9	3.6	24
41	Effect of the chloride ion as a hole scavenger on the photocatalytic conversion of CO ₂ in an aqueous solution over Ni-Al layered double hydroxides. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 17995-8003	3.6	60
40	Oxygen storage capacity of Sr ₃ Fe ₂ O ₇ having high structural stability. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13540-13545	13	33
39	Visible-light-assisted selective catalytic reduction of NO with NH ₃ on porphyrin derivative-modified TiO ₂ photocatalysts. <i>Catalysis Science and Technology</i> , 2015 , 5, 556-561	5.5	26
38	Photocatalytic conversion of CO ₂ in water over Ag-modified La ₂ Ti ₂ O ₇ . <i>Applied Catalysis B: Environmental</i> , 2015 , 163, 241-247	21.8	102
37	Photocatalytic Conversion of CO ₂ by H ₂ O over Ag-Loaded SrO-Modified Ta ₂ O ₅ . <i>Bulletin of the Chemical Society of Japan</i> , 2015 , 88, 431-437	5.1	45
36	Solvothermal Synthesis of Ca ₂ Nb ₂ O ₇ Fine Particles and Their High Activity for Photocatalytic Water Splitting into H ₂ and O ₂ under UV Light Irradiation. <i>Chemistry Letters</i> , 2015 , 44, 1001-1003	1.7	11
35	Visible-Light-Assisted Selective Catalytic Reduction of Nitric Oxide with Ammonia over Dye-Modified Titania Photocatalysts. <i>ChemCatChem</i> , 2015 , 7, 1818-1825	5.2	19
34	Highly efficient photocatalytic conversion of CO ₂ into solid CO using H ₂ O as a reductant over Ag-modified ZnGa ₂ O ₄ . <i>Journal of Materials Chemistry A</i> , 2015 , 3, 11313-11319	13	81
33	Visible-Light-Assisted Selective Catalytic Reduction of Nitric Oxide with Ammonia over Dye-Modified Titania Photocatalysts. <i>ChemCatChem</i> , 2015 , 7, 1723-1723	5.2	1
32	Photocatalytic conversion of CO ₂ in an aqueous solution using various kinds of layered double hydroxides. <i>Catalysis Today</i> , 2015 , 251, 140-144	5.3	34
31	A doping technique that suppresses undesirable H ₂ evolution derived from overall water splitting in the highly selective photocatalytic conversion of CO ₂ in and by water. <i>Chemistry - A European Journal</i> , 2014 , 20, 9906-9	4.8	94

30	Dehydrogenation of Propane over Silica-Supported Platinum/Tin Catalysts Prepared by Direct Reduction: Effects of Tin/Platinum Ratio and Reduction Temperature. <i>ChemCatChem</i> , 2014 , 6, 2680-2691	5.2	40
29	Catalytic Properties of Mn-Modified Hexagonal YbFeO ₃ : Noble-metal-free Combustion Catalysts. <i>Chemistry Letters</i> , 2014 , 43, 874-876	1.7	8
28	Synthesis of metastable rare-earth/iron mixed oxide with the hexagonal crystal structure. <i>Journal of Solid State Chemistry</i> , 2013 , 197, 402-407	3.3	22
27	Fabrication of lead-free piezoelectric NaNbO ₃ ceramics at low temperature using NaNbO ₃ nanoparticles synthesized by solvothermal method. <i>Journal of the Ceramic Society of Japan</i> , 2013 , 121, 116-119	1	10
26	Oxygen Incorporation into Infinite-layer Structure AFeO ₂ (A = Sr or Ca). <i>Chemistry Letters</i> , 2013 , 42, 732-734	1.3	6
25	Development of Ceria-supported Ruthenium Catalysts for Green Organic Transformation Processes. <i>Journal of the Japan Petroleum Institute</i> , 2013 , 56, 69-79	1	14
24	Synthesis of Highly Effective CeO _x MnO _y BaO Catalysts for Direct NO Decomposition. <i>Catalysis Letters</i> , 2012 , 142, 32-41	2.8	14
23	Highly Selective Linear Dimerization of Styrenes by Ceria-Supported Ruthenium Catalysts. <i>ChemCatChem</i> , 2012 , 4, 2062-2067	5.2	14
22	Combustion activities of the Ru catalysts supported on hexagonal YbFeO ₃ . <i>Journal of the Ceramic Society of Japan</i> , 2011 , 119, 850-854	1	5
21	Isomerization of n-Hexadecane over Pt/WO ₃ Catalysts Supported on TiO ₂ /BiO ₂ Mixed Oxides Synthesized by Glycothermal Method. <i>Journal of the Japan Petroleum Institute</i> , 2011 , 54, 361-365	1	1
20	Optimized synthesis method for K/Co ₃ O ₄ catalyst towards direct decomposition of N ₂ O. <i>Journal of Materials Science</i> , 2011 , 46, 797-805	4.3	23
19	Enhancement of the Activities of Ga ₂ O ₃ /Al ₂ O ₃ Catalysts for Methane-SCR of NO by Treatment with NH ₃ . <i>Catalysis Letters</i> , 2011 , 141, 1338-1344	2.8	3
18	Development of Ceria-Supported Ruthenium Catalysts Effective for Various Synthetic Reactions. <i>Catalysis Surveys From Asia</i> , 2011 , 15, 1-11	2.8	21
17	Thermal stabilities of hexagonal and orthorhombic YbFeO ₃ synthesized by solvothermal method and their catalytic activities for methane combustion. <i>Research on Chemical Intermediates</i> , 2011 , 37, 291-296	2.8	16
16	Intermolecular Coupling of Alkynes with Acrylates by Recyclable Oxide-Supported Ruthenium Catalysts: Formation of Distorted Ruthenium(IV)-oxo Species on Ceria as a Key Precursor of Active Species. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 2837-2843	5.6	22
15	Ceria-supported ruthenium catalysts for the synthesis of indole via dehydrogenative N-heterocyclization. <i>Catalysis Science and Technology</i> , 2011 , 1, 1340	5.5	30
14	Synthesis of Gallium/Aluminum Dawsonites and their Crystal Structures. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 3908-3915	3.8	5
13	Catalytic Addition of Aromatic C-H Bonds to Vinylsilanes in the Presence of Ru/CeO ₂ . <i>ChemCatChem</i> , 2010 , 2, 1223-1225	5.2	27

12	Recyclable Solid Ruthenium Catalysts Supported on Metal Oxides for the Addition of Carboxylic Acids to Terminal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2010 , 352, 3045-3052	5.6	44
11	Effect of the Preparation Conditions of Ru/CeO ₂ Catalysts for the Liquid Phase Oxidation of Benzyl Alcohol. <i>Catalysis Letters</i> , 2009 , 129, 394-399	2.8	27
10	Synthesis of Rare Earth Iron-Mixed Oxide Nanoparticles by Solvothermal Methods. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 2847-2853	3.8	27
9	A heterogeneous Ru/CeO ₂ catalyst effective for transfer-allylation from homoallyl alcohols to aldehydes. <i>Chemical Communications</i> , 2009 , 4112-4	5.8	34
8	Synthesis of ZrO ₂ /TiO ₂ solid solutions by various synthetic methods in the region of high zirconium contents. <i>Journal of Materials Science</i> , 2008 , 43, 2198-2205	4.3	7
7	Morphology and structure of rare earth borate (REBO ₃) synthesized by glycothermal reaction. <i>Journal of Materials Science</i> , 2008 , 43, 2276-2285	4.3	30
6	Synthesis of Mesoporous Needle-Shaped Ytterbium Oxide Crystals by Solvothermal Treatment of Ytterbium Chloride. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 1215-1221	3.8	11
5	Pore-Structure-Controlled Coagulates of CeO ₂ Nanoparticles for Supporting Ru Catalysts in Liquid Phase Oxidation of Benzyl Alcohol. <i>Journal of the Ceramic Society of Japan</i> , 2007 , 115, 592-596	1	13
4	Structure of Yttrium Aluminium Garnet Obtained by the Glycothermal Method. <i>Advances in Science and Technology</i> , 2006 , 45, 691-696	0.1	3
3	Solvothermal Reaction of Rare-Earth Metals in 2-Methoxyethanol and 2-Aminoethanol. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1205-1211	3.8	10
2	Oxidation characteristics of Ru/CeO ₂ catalyst. <i>Applied Catalysis A: General</i> , 2005 , 288, 67-73	5.1	39
1	Affinity order among noble metals and CeO ₂ . <i>Applied Catalysis A: General</i> , 2005 , 289, 115-120	5.1	65