

Saburo Hosokawa

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7779916/saburo-hosokawa-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Titanium-Based Hydrides as Heterogeneous Catalysts for Ammonia Synthesis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18240-18246	16.4	122
118	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
117	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
116	Efficient ammonia synthesis over a Ru/LaCeO catalyst pre-reduced at high temperature. <i>Chemical Science</i> , 2018 , 9, 2230-2237	9.4	86
115	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
114	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
113	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
112	Affinity order among noble metals and CeO ₂ . <i>Applied Catalysis A: General</i> , 2005 , 289, 115-120	5.1	65
111	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
110	A Theoretical Investigation on CO Oxidation by Single-Atom Catalysts M/BAO (M=Pd, Fe, Co, and Ni). <i>ChemCatChem</i> , 2017 , 9, 1222-1229	5.2	63
109	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
108	Elucidating strong metal-support interactions in Pt ₅ /SiO ₂ catalyst and its consequences for dehydrogenation of lower alkanes. <i>Journal of Catalysis</i> , 2018 , 365, 277-291	7.3	52
107	Dehydrogenative synthesis of benzimidazoles under mild conditions with supported iridium catalysts. <i>Catalysis Science and Technology</i> , 2016 , 6, 1677-1684	5.5	47
106	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
105	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
104	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
103	Dehydrogenation of Propane over Silica-Supported Platinum ₃ Catalysts Prepared by Direct Reduction: Effects of Tin/Platinum Ratio and Reduction Temperature. <i>ChemCatChem</i> , 2014 , 6, 2680-2691	5.2	40

102	Oxidation characteristics of Ru/CeO ₂ catalyst. <i>Applied Catalysis A: General</i> , 2005 , 288, 67-73	5.1	39
101	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
100	Modification of GaO by an Ag-Cr core-shell cocatalyst enhances photocatalytic CO evolution for the conversion of CO by HO. <i>Chemical Communications</i> , 2018 , 54, 1053-1056	5.8	35
99	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
98	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
97	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
96	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
95	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
94	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
93	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
92	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
91	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
90	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
89	Drastic improvement in the photocatalytic activity of Ga ₂ O ₃ modified with Mg/Al layered double hydroxide for the conversion of CO ₂ in water. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 1740-1747	5.8	27
88	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
87	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
86	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
85	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

84	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
83	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
82	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
81	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
80	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
79	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
78	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
77	Development of Ceria-Supported Ruthenium Catalysts Effective for Various Synthetic Reactions. <i>Catalysis Surveys From Asia</i> , 2011 , 15, 1-11	2.8	21
76	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
75	Enhanced oxygen-release/storage properties of Pd-loaded SrFeO. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 14107-14113	3.6	20
74	Highly Active and Stable Pt ₅ /SBA-15 Catalyst Prepared by Direct Reduction for Ethylbenzene Dehydrogenation: Effects of Sn Addition. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 7160-7172 ¹⁹	3.9	19
73	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
72	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
71	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
70	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
69	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
68	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 ³	8.3	15
67	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

66	Highly Selective Linear Dimerization of Styrenes by Ceria-Supported Ruthenium Catalysts. <i>ChemCatChem</i> , 2012 , 4, 2062-2067	5.2	14
65	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
64	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
63	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
62	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
61	The importance of direct reduction in the synthesis of highly active Pt ₈ N/SBA-15 for n-butane dehydrogenation. <i>Catalysis Science and Technology</i> , 2019 , 9, 947-956	5.5	12
60	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
59	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
58	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
57	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
56	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
55	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
54	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
53	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
52	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
51	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
50	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
49	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

48	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
47	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
46	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
45	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
44	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
43	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
42	Mechanism of NO/O 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
41	Pd/SrFeTiO as Environmental Catalyst: Purification of Automotive Exhaust Gases. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22182-22189	9.5	8
40	Catalytic Properties of Mn-Modified Hexagonal YbFeO ₃ : Noble-metal-free Combustion Catalysts. <i>Chemistry Letters</i> , 2014 , 43, 874-876	1.7	8
39	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
38	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
37	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
36	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
35	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
34	Pt-Co Alloy Nanoparticles on a Al ₂ O ₃ Support: Synergistic Effect between Isolated Electron-Rich Pt and Co for Automotive Exhaust Purification. <i>ChemPlusChem</i> , 2019 , 84, 447-456	2.8	7
33	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, 8247-8253	8.3	7
32	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
31	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

30	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
29	Oxygen Incorporation into Infinite-layer Structure AFeO ₂ (A = Sr or Ca). <i>Chemistry Letters</i> , 2013 , 42, 732-734		6
28	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
27	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
26	Quantum Chemical Computation-Driven Development of Cu-ShellRu-Core Nanoparticle Catalyst for NO Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 20251-20256	3.8	5
25	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
24	Synthesis of GalliumAluminum Dawsonites and their Crystal Structures. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 3908-3915	3.8	5
23	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
22	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
21	NO Storage Performance at Low Temperature over Platinum Group Metal-Free SrTiO-Based Material. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	4
20	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
19	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
18	Enhancement of the Activities of EGa 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
17	Structure of Yttrium Aluminium Garnet Obtained by the Glycothermal Method. <i>Advances in Science and Technology</i> , 2006 , 45, 691-696	0.1	3
16	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
15	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
14	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
13	Strong MetalSupport Interaction in Pd/Ca ₂ AlMnO ₅ -Catalytic NO Reduction over Mn-Doped CaO Shell. <i>ACS Catalysis</i> , 2021 , 11, 7996-8003	13.1	2

12	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
11	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
10	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
9	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
8	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
7	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
6	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
5	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
4	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
3	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
2	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
1	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	