

# Tsunehiro Tanaka

## 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.

183  
papers

7,006  
citations

45  
h-index

78  
g-index

194  
ext. papers

7,989  
ext. citations

6.1  
avg, IF

6.02  
L-index

#	Paper	IF	Citations
183	Oxygen Storage Capacity of Co-Doped SrTiO <sub>3</sub> with High Redox Performance. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 4415-4422	3.8	2
182	Effect of Zn in Ag-Loaded Zn-Modified ZnTa <sub>2</sub> O <sub>6</sub> for Photocatalytic Conversion of CO <sub>2</sub> by H <sub>2</sub> O. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 1304-1312	3.8	1
181	Preparation of Ag-Loaded Ga <sub>2</sub> O <sub>3</sub> Particles by the Ultrasonic Reduction Method and their Photocatalytic Activities for CO <sub>2</sub> Reduction. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , <b>2021</b> , 68, 93-98	0.2	
180	Observation of Adsorbed Hydrogen Species on Supported Metal Catalysts by Inelastic Neutron Scattering. <i>Topics in Catalysis</i> , <b>2021</b> , 64, 660-671	2.3	0
179	Oxygen Release and Storage Property of Fe-Al Spinel Compounds: A Three-Way Catalytic Reaction over a Supported Rh Catalyst. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 24615-24623	9.5	2
178	Recent Applications of X-ray Absorption Spectroscopy in Combination with High Energy Resolution Fluorescence Detection. <i>Chemistry Letters</i> , <b>2021</b> , 50, 1075-1085	1.7	2
177	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> , <b>2021</b> , 60, 9359-9367	5.1	2
176	Strong Metal-Support Interaction in Pd/Ca <sub>2</sub> AlMnO <sub>5</sub> + $\gamma$ -Catalytic NO Reduction over Mn-Doped CaO Shell. <i>ACS Catalysis</i> , <b>2021</b> , 11, 7996-8003	13.1	2
175	NO Storage Performance at Low Temperature over Platinum Group Metal-Free SrTiO-Based Material. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	4
174	A theoretical investigation into the role of catalyst support and regioselectivity of molecular adsorption on a metal oxide surface: NO reduction on Cu/ $\gamma$ -alumina. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 2575-2585	3.6	1
173	Identification of hydrogen species on Pt/Al <sub>2</sub> O <sub>3</sub> by in situ inelastic neutron scattering and their reactivity with ethylene. <i>Catalysis Science and Technology</i> , <b>2021</b> , 11, 116-123	5.5	4
172	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> , <b>2021</b> , 11, 6182-6190	5.5	1
171	Dual Ag/Co cocatalyst synergism for the highly effective photocatalytic conversion of CO by HO over Al-SrTiO. <i>Chemical Science</i> , <b>2021</b> , 12, 4940-4948	9.4	11
170	Oxidation and Storage Mechanisms for Nitrogen Oxides on Various Terminated (001) Surfaces of SrFeO and SrFeO Perovskites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 7216-7226	9.5	6
169	Highly Selective Photocatalytic Conversion of Carbon Dioxide by Water over Al-SrTiO <sub>3</sub> Photocatalyst Modified with Silver-Metal Dual Cocatalysts. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2021</b> , 9, 9327-9335	8.3	7
168	Development of Zinc Hydroxide as an Abundant and Universal Cocatalyst for the Selective Photocatalytic Conversion of CO <sub>2</sub> by H <sub>2</sub> O. <i>ChemCatChem</i> , <b>2021</b> , 13, 4313	5.2	1
167	Low-Temperature NO <sub>x</sub> Storage Capability of YBaCo <sub>4</sub> O <sub>7</sub> + $\delta$ Originating from Large Oxygen Nonstoichiometry. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 9817-9823	3.9	

166	Shift of active sites via in-situ photodeposition of chromate achieving highly selective photocatalytic conversion of CO <sub>2</sub> by H <sub>2</sub> O over ZnTa <sub>2</sub> O <sub>6</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 298, 120508	21.8	2
165	Self-Regeneration Process of Ni-Cu Alloy Catalysts during a Three-Way Catalytic Reaction-An Study. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 55994-56003	9.5	2
164	Excellent Catalytic Activity of a Pd-Promoted MnO <sub>x</sub> Catalyst for Purifying Automotive Exhaust Gases. <i>ChemCatChem</i> , <b>2020</b> , 12, 4276-4280	5.2	9
163	Effect of molybdenum on the structure and performance of V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> /BiO <sub>2</sub> /MoO <sub>3</sub> catalysts for the oxidative degradation of o-chlorotoluene. <i>Applied Catalysis A: General</i> , <b>2020</b> , 595, 117496	5.1	7
162	Photocatalytic conversion of CO <sub>2</sub> by H <sub>2</sub> O over heterogeneous photocatalysts <b>2020</b> , 179-190		1
161	Imparting CO reduction selectivity to ZnGaO photocatalysts by crystallization from hetero nano assembly of amorphous-like metal hydroxides.. <i>RSC Advances</i> , <b>2020</b> , 10, 8066-8073	3.7	6
160	In Situ XANES Characterization of V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> /BiO <sub>2</sub> /MoO <sub>3</sub> Catalyst for Selective Catalytic Reduction of NO by NH <sub>3</sub> . <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 13467-13476	3.9	5
159	Effect of Surface Reforming via O <sub>3</sub> Treatment on the Electrochemical CO <sub>2</sub> Reduction Activity of a Ag Cathode. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 6552-6560	6.1	3
158	Photoelectrochemical investigation of the role of surface-modified Yb species in the photocatalytic conversion of CO <sub>2</sub> by H <sub>2</sub> O over Ga <sub>2</sub> O <sub>3</sub> photocatalysts. <i>Catalysis Today</i> , <b>2020</b> , 352, 18-26	5.3	4
157	Dynamics of the Lattice Oxygen in a RuddlesdenPopper-type Sr <sub>3</sub> Fe <sub>2</sub> O <sub>7</sub> Catalyst during NO Oxidation. <i>ACS Catalysis</i> , <b>2020</b> , 10, 2528-2537	13.1	9
156	Effective Driving of Ag-Loaded and Al-Doped SrTiO <sub>3</sub> under Irradiation at λ = 300 nm for the Photocatalytic Conversion of CO <sub>2</sub> by H <sub>2</sub> O. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 1468-1475	6.1	29
155	Enhanced CO evolution for photocatalytic conversion of CO <sub>2</sub> by H <sub>2</sub> O over Ca modified Ga <sub>2</sub> O <sub>3</sub> . <i>Communications Chemistry</i> , <b>2020</b> , 3,	6.3	9
154	Zeolite-Encaged Pd/Mn Nanocatalysts for CO <sub>2</sub> Hydrogenation and Formic Acid Dehydrogenation. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 20358-20366	3.6	16
153	Zeolite-Encaged Pd-Mn Nanocatalysts for CO Hydrogenation and Formic Acid Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 20183-20191	16.4	52
152	Optimized Synthesis of Ag-Modified Al-Doped SrTiO <sub>3</sub> Photocatalyst for the Conversion of CO <sub>2</sub> Using H <sub>2</sub> O as an Electron Donor. <i>ChemistrySelect</i> , <b>2020</b> , 5, 8779-8786	1.8	9
151	Fe-Modified CuNi Alloy Catalyst as a Nonprecious Metal Catalyst for Three-Way Catalysis. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 19907-19917	3.9	7
150	NiPt Alloy Nanoparticles with Isolated Pt Atoms and Their Cooperative Neighboring Ni Atoms for Selective Hydrogenation of CO <sub>2</sub> Toward CH <sub>4</sub> Evolution: In Situ and Transient Fourier Transform Infrared Studies. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 9633-9644	5.6	9
149	Low-temperature NO oxidation using lattice oxygen in Fe-site substituted SrFeO. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 24181-24190	3.6	6

148	Deactivation Mechanism and Enhanced Durability of V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> /BiO <sub>2</sub> /MoO <sub>3</sub> Catalysts for NH <sub>3</sub> SCR in the Presence of SO <sub>2</sub> . <i>ChemCatChem</i> , <b>2020</b> , 12, 5938-5947	5.2	7
147	xTunes: A new XAS processing tool for detailed and on-the-fly analysis. <i>Radiation Physics and Chemistry</i> , <b>2020</b> , 175, 108270	2.5	21
146	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 &amp; Interfaces</i> , <b>2019</b> , 11, 37875-37884	9.5	6
145	Efficient oxygen storage property of SrBe mixed oxide as automotive catalyst support. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 1013-1021	13	7
144	The importance of direct reduction in the synthesis of highly active Pt <sub>n</sub> /SBA-15 for n-butane dehydrogenation. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 947-956	5.5	12
143	Effect of Cr Species on Photocatalytic Stability during the Conversion of CO <sub>2</sub> by H <sub>2</sub> O. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 2894-2899	3.8	4
142	Role of Bicarbonate Ions in Aqueous Solution as a Carbon Source for Photocatalytic Conversion of CO <sub>2</sub> into CO. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 5397-5405	6.1	9
141	Deactivation Mechanism of Pd/CeO <sub>2</sub> /ZrO <sub>2</sub> Three-Way Catalysts Analyzed by Chassis-Dynamometer Tests and in Situ Diffuse Reflectance Spectroscopy. <i>ACS Catalysis</i> , <b>2019</b> , 9, 6415-6424	13.1	17
140	Self-regeneration of a Ni-Cu alloy catalyst during a three-way catalytic reaction. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 18816-18822	3.6	10
139	In situ spectroscopy-guided engineering of rhodium single-atom catalysts for CO oxidation. <i>Nature Communications</i> , <b>2019</b> , 10, 1330	17.4	111
138	CO and C <sub>3</sub> H <sub>6</sub> oxidation over platinum-group metal (PGM) catalysts supported on Mn-modified hexagonal YbFeO <sub>3</sub> . <i>Catalysis Today</i> , <b>2019</b> , 332, 183-188	5.3	7
137	Isolated Platinum Atoms in Ni/Al <sub>2</sub> O <sub>3</sub> for Selective Hydrogenation of CO <sub>2</sub> toward CH <sub>4</sub> . <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 23446-23454	3.8	18
136	Quantum Chemical Computation-Driven Development of Cu-Shell/Ru-Core Nanoparticle Catalyst for NO Reduction Reaction. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 20251-20256	3.8	5
135	NO Oxidation and Storage Properties of a Ruddlesden-Popper-Type SrFeO-Layered Perovskite Catalyst. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 26985-26993	9.5	13
134	Model building of metal oxide surfaces and vibronic coupling density as a reactivity index: Regioselectivity of CO <sub>2</sub> adsorption on Ag-loaded Ga <sub>2</sub> O <sub>3</sub> . <i>Chemical Physics Letters</i> , <b>2019</b> , 715, 239-243	2.5	2
133	Pt-Co Alloy Nanoparticles on a Al <sub>2</sub> O <sub>3</sub> Support: Synergistic Effect between Isolated Electron-Rich Pt and Co for Automotive Exhaust Purification. <i>ChemPlusChem</i> , <b>2019</b> , 84, 447-456	2.8	7
132	Effect of Thickness of Chromium Hydroxide Layer on Ag Cocatalyst Surface for Highly Selective Photocatalytic Conversion of CO <sub>2</sub> by H <sub>2</sub> O. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 2083-2090	8.3	15
131	Necessary and sufficient conditions for the successful three-phase photocatalytic reduction of CO by HO over heterogeneous photocatalysts. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 8423-8431	3.6	31

130	A nanoLDH catalyst with high CO <sub>2</sub> adsorption capability for photo-catalytic reduction. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 9684-9690	13	27
129	Striking Oxygen-Release/Storage Properties of Fe-Site-Substituted Sr <sub>3</sub> Fe <sub>2</sub> O <sub>7</sub> □ <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 11186-11193	3.8	13
128	Recent progress in photocatalytic conversion of carbon dioxide over gallium oxide and its nanocomposites. <i>Current Opinion in Chemical Engineering</i> , <b>2018</b> , 20, 114-121	5.4	11
127	Catalytic amino acid production from biomass-derived intermediates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 5093-5098	11.5	107
126	Flux method fabrication of potassium rare-earth tantalates for CO <sub>2</sub> photoreduction using H <sub>2</sub> O as an electron donor. <i>Catalysis Today</i> , <b>2018</b> , 300, 173-182	5.3	18
125	Probing the Entropic Effect in Molecular Noncovalent Interactions between Resin-Bound Polybrominated Arenes and Small Substrates. <i>ChemPlusChem</i> , <b>2018</b> , 83, 820-824	2.8	0
124	Elucidating strong metal-support interactions in Pt <sub>5</sub> Sn/SiO <sub>2</sub> catalyst and its consequences for dehydrogenation of lower alkanes. <i>Journal of Catalysis</i> , <b>2018</b> , 365, 277-291	7.3	52
123	Pd/SrFeTi O as Environmental Catalyst: Purification of Automotive Exhaust Gases. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 22182-22189	9.5	8
122	Role of lattice oxygen and oxygen vacancy sites in platinum group metal catalysts supported on Sr <sub>3</sub> Fe <sub>2</sub> O <sub>7</sub> □ for NO-selective reduction. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 147-153	5.5	21
121	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> , <b>2018</b> , 140, 176-184	16.4	29
120	Modification of GaO by an Ag-Cr core-shell cocatalyst enhances photocatalytic CO evolution for the conversion of CO by H <sub>2</sub> O. <i>Chemical Communications</i> , <b>2018</b> , 54, 1053-1056	5.8	35
119	A feasibility study of k-edge extended EXAFS measurement at the Pt L <sub>3</sub> -edge of Pt/Al <sub>2</sub> O <sub>3</sub> in the presence of Au <sub>2</sub> O <sub>3</sub> . <i>Journal of Analytical Atomic Spectrometry</i> , <b>2018</b> , 33, 84-89	3.7	9
118	Metal-Dependent Support Effects of Oxyhydride-Supported Ru, Fe, Co Catalysts for Ammonia Synthesis. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1801772	21.8	65
117	Regioselectivity of H <sub>2</sub> Adsorption on Ga <sub>2</sub> O <sub>3</sub> Surface Based on Vibronic Coupling Density Analysis. <i>Journal of Computer Chemistry Japan</i> , <b>2018</b> , 17, 138-141	0.2	1
116	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> , <b>2018</b> , 20, 25592-25601	3.6	11
115	Development of Rh-Doped Ga <sub>2</sub> O <sub>3</sub> Photocatalysts for Reduction of CO <sub>2</sub> by H <sub>2</sub> O as an Electron Donor at a More than 300 nm Wavelength. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 21132-21139	3.8	11
114	Photocatalytic Conversion of Carbon Dioxide over A <sub>2</sub> BTa <sub>5</sub> O <sub>15</sub> (A = Sr, Ba; B = K, Na) Using Ammonia as an Efficient Sacrificial Reagent. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 8247-8255	8.3	7
113	Mechanism of NO/O reaction over highly dispersed cuprous oxide on Al <sub>2</sub> O <sub>3</sub> 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> , <b>2018</b> , 8, 3833-3845	5.5	9

112	A Theoretical Investigation on CO Oxidation by Single-Atom Catalysts M/AlO (M=Pd, Fe, Co, and Ni). <i>ChemCatChem</i> , <b>2017</b> , 9, 1222-1229	5.2	63
111	Which is an Intermediate Species for Photocatalytic Conversion of CO <sub>2</sub> by H <sub>2</sub> O as the Electron Donor: CO <sub>2</sub> Molecule, Carbonic Acid, Bicarbonate, or Carbonate Ions?. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 8711-8721	3.8	43
110	Efficient photocatalytic carbon monoxide production from ammonia and carbon dioxide by the aid of artificial photosynthesis. <i>Chemical Science</i> , <b>2017</b> , 8, 5797-5801	9.4	6
109	Highly Active and Stable PtSn/SBA-15 Catalyst Prepared by Direct Reduction for Ethylbenzene Dehydrogenation: Effects of Sn Addition. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2017</b> , 56, 7160-7172 <sup>19</sup>	3.9	19
108	Strong metal-support interaction between Pt and SiO following high-temperature reduction: a catalytic interface for propane dehydrogenation. <i>Chemical Communications</i> , <b>2017</b> , 53, 6937-6940	5.8	37
107	Selective reduction of NO over Cu/Al <sub>2</sub> O <sub>3</sub> : Enhanced catalytic activity by infinitesimal loading of Rh on Cu/Al <sub>2</sub> O <sub>3</sub> . <i>Molecular Catalysis</i> , <b>2017</b> , 442, 74-82	3.3	18
106	Visible-Light Selective Photooxidation of Aromatic Hydrocarbons via Ligand-to-Metal Charge Transfer Transition on Nb <sub>2</sub> O <sub>5</sub> . <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 22854-22861	3.8	25
105	Drastic improvement in the photocatalytic activity of Ga <sub>2</sub> O <sub>3</sub> modified with MgAl layered double hydroxide for the conversion of CO <sub>2</sub> in water. <i>Sustainable Energy and Fuels</i> , <b>2017</b> , 1, 1740-1747	5.8	27
104	Thermally stable single atom Pt/m-AlO for selective hydrogenation and CO oxidation. <i>Nature Communications</i> , <b>2017</b> , 8, 16100	17.4	390
103	Oxygen Storage Property and Chemical Stability of SrFe <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> with Robust Perovskite Structure. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 19358-19364	3.8	22
102	CO <sub>2</sub> capture, storage, and conversion using a praseodymium-modified Ga <sub>2</sub> O <sub>3</sub> photocatalyst. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 19351-19357	13	25
101	Enhanced oxygen-release/storage properties of Pd-loaded SrFeO. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 14107-14113	3.6	20
100	Enhancement of CO Evolution by Modification of GaO with Rare-Earth Elements for the Photocatalytic Conversion of CO by HO. <i>Langmuir</i> , <b>2017</b> , 33, 13929-13935	4	32
99	Sodium Cation Substitution in SrKTaO toward Enhancement of Photocatalytic Conversion of CO Using HO as an Electron Donor. <i>ACS Omega</i> , <b>2017</b> , 2, 8187-8197	3.9	7
98	Highly selective photocatalytic conversion of CO <sub>2</sub> by water over Ag-loaded SrNb <sub>2</sub> O <sub>6</sub> nanorods. <i>Applied Catalysis B: Environmental</i> , <b>2017</b> , 218, 770-778	21.8	65
97	Tuning the selectivity toward CO evolution in the photocatalytic conversion of CO <sub>2</sub> with H <sub>2</sub> O through the modification of Ag-loaded Ga <sub>2</sub> O <sub>3</sub> with a ZnGa <sub>2</sub> O <sub>4</sub> layer. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 1025-1032	5.5	73
96	Promoter effect of Pd species on Mn oxide catalysts supported on rare-earth-iron mixed oxide. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 7868-7874	5.5	12
95	Effect of Ti <sup>3+</sup> Ions and Conduction Band Electrons on Photocatalytic and Photoelectrochemical Activity of Rutile Titania for Water Oxidation. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 6467-6474	3.8	114

94	Fabrication of well-shaped Sr <sub>2</sub> KTa <sub>5</sub> O <sub>15</sub> nanorods with a tetragonal tungsten bronze structure by a flux method for artificial photosynthesis. <i>Applied Catalysis B: Environmental</i> , <b>2016</b> , 199, 272-281	21.8	28
93	Selective Catalytic Reduction of NO by NH <sub>3</sub> over Photocatalysts (Photo-SCR): Mechanistic Investigations and Developments. <i>Chemical Record</i> , <b>2016</b> , 16, 2268-2277	6.6	15
92	A ZnTa <sub>2</sub> O <sub>6</sub> photocatalyst synthesized via solid state reaction for conversion of CO <sub>2</sub> into CO in water. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 4978-4985	5.5	34
91	Rutile titanium dioxide prepared by hydrogen reduction of Degussa P25 for highly efficient photocatalytic hydrogen evolution. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 5693-5699	5.5	46
90	Investigation of the electrochemical and photoelectrochemical properties of Ni-Al LDH photocatalysts. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 13811-9	3.6	24
89	Monolayer Tantalum Oxide on Mesoporous Silica Substrate. <i>ChemistrySelect</i> , <b>2016</b> , 1, 3124-3131	1.8	4
88	Effect of the chloride ion as a hole scavenger on the photocatalytic conversion of CO <sub>2</sub> in an aqueous solution over Ni-Al layered double hydroxides. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 17995-8003	3.6	60
87	Oxygen storage capacity of Sr <sub>3</sub> Fe <sub>2</sub> O <sub>7</sub> having high structural stability. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 13540-13545	13	33
86	Local Structure and L1- and L3-Edge X-ray Absorption Near Edge Structure of Late Lanthanide Elements (Ho, Er, Yb) in Their Complex Oxides. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 8070-8077	3.8	10
85	Visible-light-assisted selective catalytic reduction of NO with NH <sub>3</sub> on porphyrin derivative-modified TiO <sub>2</sub> photocatalysts. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 556-561	5.5	26
84	Photocatalytic conversion of CO <sub>2</sub> in water over Ag-modified La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 163, 241-247	21.8	102
83	Photocatalytic Conversion of CO <sub>2</sub> by H <sub>2</sub> O over Ag-Loaded SrO-Modified Ta <sub>2</sub> O <sub>5</sub> . <i>Bulletin of the Chemical Society of Japan</i> , <b>2015</b> , 88, 431-437	5.1	45
82	Solvothermal Synthesis of Ca <sub>2</sub> Nb <sub>2</sub> O <sub>7</sub> Fine Particles and Their High Activity for Photocatalytic Water Splitting into H <sub>2</sub> and O <sub>2</sub> under UV Light Irradiation. <i>Chemistry Letters</i> , <b>2015</b> , 44, 1001-1003	1.7	11
81	Popping of graphite oxide: application in preparing metal nanoparticle catalysts. <i>Advanced Materials</i> , <b>2015</b> , 27, 4688-94	24	43
80	Highly efficient photocatalytic conversion of CO <sub>2</sub> into solid CO using H <sub>2</sub> O as a reductant over Ag-modified ZnGa <sub>2</sub> O <sub>4</sub> . <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 11313-11319	13	81
79	Photocatalytic conversion of CO <sub>2</sub> in an aqueous solution using various kinds of layered double hydroxides. <i>Catalysis Today</i> , <b>2015</b> , 251, 140-144	5.3	34
78	A Series of NiM (M = Ru, Rh, and Pd) Bimetallic Catalysts for Effective Lignin Hydrogenolysis in Water. <i>ACS Catalysis</i> , <b>2014</b> , 4, 1574-1583	13.1	351
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