Tsunehiro Tanaka

List of Publications by Year
in descending order

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187	9,088	38720	48277
papers	citations	50 h-index	88 g-index

194	194	194	9977
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermally stable single atom Pt/m-Al2O3 for selective hydrogenation and CO oxidation. Nature Communications, 2017, 8, 16100.	5.8	545
2	Ultrathin rhodium nanosheets. Nature Communications, 2014, 5, 3093.	5.8	428
3	A Series of NiM (M = Ru, Rh, and Pd) Bimetallic Catalysts for Effective Lignin Hydrogenolysis in Water. ACS Catalysis, 2014, 4, 1574-1583.	5.5	421
4	Photocatalytic Conversion of CO₂ in Water over Layered Double Hydroxides. Angewandte Chemie - International Edition, 2012, 51, 8008-8011.	7.2	291
5	Selective Amine Oxidation Using Nb₂O₅ Photocatalyst and O₂. ACS Catalysis, 2011, 1, 1150-1153.	5.5	258
6	X-ray absorption (EXAFS/XANES) study of supported vanadium oxide catalysts. Structure of surface vanadium oxide species on silica and Î³-alumina at a low level of vanadium loading. Journal of the Chemical Society Faraday Transactions I, 1988, 84, 2987.	1.0	238
7	Photocatalytic Reduction of CO2to CO in the Presence of H2or CH4as a Reductant over MgO. Journal of Physical Chemistry B, 2004, 108, 346-354.	1.2	237
8	Adsorbed Species of CO₂ and H₂ on Ga₂O₃ for the Photocatalytic Reduction of CO₂. Journal of Physical Chemistry C, 2010, 114, 8892-8898.	1.5	181
9	In situ spectroscopy-guided engineering of rhodium single-atom catalysts for CO oxidation. Nature Communications, 2019, 10, 1330.	5.8	177
10	Zeoliteâ€Encaged Pdâ€“Mn Nanocatalysts for CO₂ Hydrogenation and Formic Acid Dehydrogenation. Angewandte Chemie - International Edition, 2020, 59, 20183-20191.	7.2	175
11	Catalytic amino acid production from biomass-derived intermediates. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5093-5098.	3.3	168
12	XAFS Study of Tungsten L₁- and L₃-Edges:â€‰ Structural Analysis of WO₃ Species Loaded on TiO₂ as a Catalyst for Photo-oxidation of NH₃. Journal of Physical Chemistry C, 2008, 112, 6869-6879.	1.5	161
13	Effect of Ti³⁺ Ions and Conduction Band Electrons on Photocatalytic and Photoelectrochemical Activity of Rutile Titania for Water Oxidation. Journal of Physical Chemistry C, 2016, 120, 6467-6474.	1.5	147
14	Photocatalytic reduction of CO2 using H2 as reductant over ATaO3 photocatalysts (A = Li, Na, K). Applied Catalysis B: Environmental, 2010, 96, 565-568.	10.8	135
15	Photocatalytic conversion of CO2 in water over Ag-modified La2Ti2O7. Applied Catalysis B: Environmental, 2015, 163, 241-247.	10.8	133
16	Deconvolution Analysis of Ga K-Edge XANES for Quantification of Gallium Coordinations in Oxide Environments. Journal of Physical Chemistry B, 1998, 102, 10190-10195.	1.2	128
17	A Doping Technique that Suppresses Undesirable H₂ Evolution Derived from Overall Water Splitting in the Highly Selective Photocatalytic Conversion of CO₂ in and by Water. Chemistry - A European Journal, 2014, 20, 9906-9909.	1.7	119
18	Photoreduction of CO2 with H2 over ZrO2. A study on interaction of hydrogen with photoexcited CO2. Physical Chemistry Chemical Physics, 2000, 2, 2635-2639.	1.3	117

#	Article	IF	Citations
19	Metalâ€Dependent Support Effects of Oxyhydrideâ€Supported Ru, Fe, Co Catalysts for Ammonia Synthesis. Advanced Energy Materials, 2018, 8, 1801772.	10.2	111
20	Effect of H2 gas as a reductant on photoreduction of CO2 over a Ga2O3 photocatalyst. Chemical Physics Letters, 2008, 467, 191-194.	1.2	109
21	Highly efficient photocatalytic conversion of CO₂ into solid CO using H₂O as a reductant over Ag-modified ZnGa₂O₄. Journal of Materials Chemistry A, 2015, 3, 11313-11319.	5.2	103
22	Analysis of XANES for identification of highly dispersed transition metal oxides on supports. Catalysis Letters, 1992, 12, 277-285.	1.4	102
23	Mechanism of Photooxidation of Alcohol over Nb₂O₅. Journal of Physical Chemistry C, 2009, 113, 18713-18718.	1.5	102
24	Photoreduction of carbon dioxide by hydrogen over magnesium oxide. Physical Chemistry Chemical Physics, 2001, 3, 1108-1113.	1.3	101
25	Reaction mechanism in the photoreduction of CO2 with CH4 over ZrO2. Physical Chemistry Chemical Physics, 2000, 2, 5302-5307.	1.3	97
26	Tuning the selectivity toward CO evolution in the photocatalytic conversion of CO₂ with H₂O through the modification of Ag-loaded Ga₂O₃ with a ZnGa₂O₄ layer. Catalysis Science and Technology, 2016, 6, 1025-1032.	2.1	94
27	Supported Tantalum Oxide Catalysts:Â Synthesis, Physical Characterization, and Methanol Oxidation Chemical Probe Reaction. Journal of Physical Chemistry B, 2003, 107, 5243-5250.	1.2	93
28	Modification of Metal Nanoparticles with TiO₂ and Metalâ^'Support Interaction in Photodeposition. ACS Catalysis, 2011, 1, 187-192.	5.5	88
29	Highly selective photocatalytic conversion of CO2 by water over Ag-loaded SrNb2O6 nanorods. Applied Catalysis B: Environmental, 2017, 218, 770-778.	10.8	86
30	Study on the Dispersion of Nickel Ions in the NiOâ^'MgO System by X-ray Absorption Fine Structure. The Journal of Physical Chemistry, 1996, 100, 2302-2309.	2.9	85
31	Elucidating strong metal-support interactions in Ptâ€“Sn/SiO2 catalyst and its consequences for dehydrogenation of lower alkanes. Journal of Catalysis, 2018, 365, 277-291.	3.1	84
32	Identification and reactivity of a surface intermediate in the photoreduction of CO2 with H2 over ZrO2. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 1875-1880.	1.7	81
33	One-electron reducibility of isolated copper oxide on alumina for selective NOâ€“CO reaction. Applied Catalysis B: Environmental, 2006, 64, 282-289.	10.8	77
34	Effect of the chloride ion as a hole scavenger on the photocatalytic conversion of CO₂ in an aqueous solution over Niâ€“Al layered double hydroxides. Physical Chemistry Chemical Physics, 2015, 17, 17995-18003.	1.3	76
35	A Theoretical Investigation on CO Oxidation by Singleâ€Atom Catalysts M₁/Î³â€Al₂O₃ (M=Pd, Fe, Co, and Ni). ChemCatChem, 2017, 9, 1222-1229.	1.8	76
36	Structures and Acidâ^'Base Properties of La/Al2O3 Role of La Addition to Enhance Thermal Stability of Î³-Al2O3. Chemistry of Materials, 2003, 15, 4830-4840.	3.2	74

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37	NO reduction with CO in the presence of O2 over Al2O3-supported and Cu-based catalysts. Physical Chemistry Chemical Physics, 2002, 4, 2449-2458.	1.3	72
38	Structures of Molybdenum Species in Silica-Supported Molybdenum Oxide and Alkali-Ion-Modified Silica-Supported Molybdenum Oxide. Journal of Physical Chemistry B, 1998, 102, 2960-2969.	1.2	65
39	Liquid phase photooxidation of alcohol over niobium oxide without solvents. Catalysis Today, 2007, 120, 233-239.	2.2	65
40	Preparation of Active Absorbent for Dry-Type Flue Gas Desulfurization from Calcium Oxide, Coal Fly Ash, and Gypsum. Industrial & Engineering Chemistry Research, 2000, 39, 1390-1396.	1.8	62
41	Strong metal-support interaction between Pt and SiO₂ following high-temperature reduction: a catalytic interface for propane dehydrogenation. Chemical Communications, 2017, 53, 6937-6940.	2.2	61
42	Reaction Mechanism of Selective Photooxidation of Amines over Niobium Oxide: Visible-Light-Induced Electron Transfer between Adsorbed Amine and Nb2O5. Journal of Physical Chemistry C, 2013, 117, 442-450.	1.5	59
43	Rutile titanium dioxide prepared by hydrogen reduction of Degussa P25 for highly efficient photocatalytic hydrogen evolution. Catalysis Science and Technology, 2016, 6, 5693-5699.	2.1	58
44	XAFS study of zirconia-supported copper catalysts for the NOâ€“CO reaction: Deactivation, rejuvenation and stabilization of Cu species. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 3743-3752.	1.7	57
45	Photocatalytic Conversion of CO2 by H2O over Ag-Loaded SrO-Modified Ta2O5. Bulletin of the Chemical Society of Japan, 2015, 88, 431-437.	2.0	56
46	Effective Driving of Ag-Loaded and Al-Doped SrTiO₃ under Irradiation at Î» > 300 nm for the Photocatalytic Conversion of CO₂ by H₂O. ACS Applied Energy Materials, 2020, 3, 1468-1475.	2.5	56
47	Dynamic Behavior of Rh Species in Rh/Al₂O₃ Model Catalyst during Three-Way Catalytic Reaction: An Operando X-ray Absorption Spectroscopy Study. Journal of the American Chemical Society, 2018, 140, 176-184.	6.6	55
48	Which is an Intermediate Species for Photocatalytic Conversion of CO₂ by H₂O as the Electron Donor: CO₂ Molecule, Carbonic Acid, Bicarbonate, or Carbonate Ions?. Journal of Physical Chemistry C, 2017, 121, 8711-8721.	1.5	54
49	Modification of Ga₂O₃by an Agâ€“Cr coreâ€“shell cocatalyst enhances photocatalytic CO evolution for the conversion of CO₂by H₂O. Chemical Communications, 2018, 54, 1053-1056.	2.2	53
50	Effect of reduction method on the activity of Ptâ€“Sn/SiO2 for dehydrogenation of propane. Catalysis Today, 2014, 232, 33-39.	2.2	52
51	Structure of Active Species in Alkali-Ion-Modified Silica-Supported Vanadium Oxide. Journal of Physical Chemistry B, 1997, 101, 9035-9040.	1.2	50
52	Dehydrogenation of Propane over Silicaâ€Supported Platinumâ€“Tin Catalysts Prepared by Direct Reduction: Effects of Tin/Platinum Ratio and Reduction Temperature. ChemCatChem, 2014, 6, 2680-2691.	1.8	49
53	Visible Light Absorbed NH₂ Species Derived from NH₃ Adsorbed on TiO₂ for Photoassisted Selective Catalytic Reduction. Journal of Physical Chemistry C, 2007, 111, 14189-14197.	1.5	48
54	Popping of Graphite Oxide: Application in Preparing Metal Nanoparticle Catalysts. Advanced Materials, 2015, 27, 4688-4694.	11.1	48

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55	Reaction Mechanism of Selective Photooxidation of Hydrocarbons over Nb₂O₅. Journal of Physical Chemistry C, 2011, 115, 19320-19327.	1.5	46
56	A ZnTa₂O₆ photocatalyst synthesized via solid state reaction for conversion of CO₂ into CO in water. Catalysis Science and Technology, 2016, 6, 4978-4985.	2.1	46
57	Alumina-Supported Rare-Earth Oxides Characterized by Acid-Catalyzed Reactions and Spectroscopic Methods. Journal of Physical Chemistry B, 2001, 105, 1908-1916.	1.2	45
58	Effects of reaction temperature on the photocatalytic activity of photo-SCR of NO with NH3 over a TiO2 photocatalyst. Catalysis Science and Technology, 2013, 3, 1771.	2.1	45
59	Local Structure and La L₁ and L₃-Edge XANES Spectra of Lanthanum Complex Oxides. Inorganic Chemistry, 2014, 53, 6048-6053.	1.9	44
60	Structure of Moâ^'Mg Binary Oxides in Oxidized/Reduced States Studied by X-ray Absorption Spectroscopy at the Mo K Edge and Mg K Edge. The Journal of Physical Chemistry, 1996, 100, 5440-5446.	2.9	43
61	Photocatalytic conversion of CO2 in an aqueous solution using various kinds of layered double hydroxides. Catalysis Today, 2015, 251, 140-144.	2.2	43
62	Oxygen storage capacity of Sr₃Fe₂O_{7â^'Î´} having high structural stability. Journal of Materials Chemistry A, 2015, 3, 13540-13545.	5.2	43
63	Enhancement of CO Evolution by Modification of Ga₂O₃ with Rare-Earth Elements for the Photocatalytic Conversion of CO₂ by H₂O. Langmuir, 2017, 33, 13929-13935.	1.6	43
64	A nanoLDH catalyst with high CO₂ adsorption capability for photo-catalytic reduction. Journal of Materials Chemistry A, 2018, 6, 9684-9690.	5.2	43
65	Physico-chemical and catalytic properties of ytterbium introduced into Y-zeolite. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 3177.	1.7	41
66	Deactivation Mechanism of Pd/CeO₂â€“ZrO₂Three-Way Catalysts Analyzed by Chassis-Dynamometer Tests andin SituDiffuse Reflectance Spectroscopy. ACS Catalysis, 2019, 9, 6415-6424.	5.5	40
67	CO₂ capture, storage, and conversion using a praseodymium-modified Ga₂O₃ photocatalyst. Journal of Materials Chemistry A, 2017, 5, 19351-19357.	5.2	38
68	Necessary and sufficient conditions for the successful three-phase photocatalytic reduction of CO₂ by H₂O over heterogeneous photocatalysts. Physical Chemistry Chemical Physics, 2018, 20, 8423-8431.	1.3	38
69	Structural Analysis of Group V, VI, and VII Metal Compounds by XAFS. Journal of Physical Chemistry C, 2011, 115, 23653-23663.	1.5	36
70	Investigation of the electrochemical and photoelectrochemical properties of Niâ€“Al LDH photocatalysts. Physical Chemistry Chemical Physics, 2016, 18, 13811-13819.	1.3	36
71	Visible-Light Selective Photooxidation of Aromatic Hydrocarbons via Ligand-to-Metal Charge Transfer Transition on Nb₂O₅. Journal of Physical Chemistry C, 2017, 121, 22854-22861.	1.5	36
72	xTunes: A new XAS processing tool for detailed and on-the-fly analysis. Radiation Physics and Chemistry, 2020, 175, 108270.	1.4	36

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73	BrÃ¸nsted Acid Generation over Alumina-Supported Niobia by Calcination at 1173ÂK. Catalysis Letters, 2009, 129, 383-386.	1.4	35
74	A unique photo-activation mechanism by â€œin situ dopingâ€•for photo-assisted selective NO reduction with ammonia over TiO2 and photooxidation of alcohols over Nb2O5. Catalysis Science and Technology, 2011, 1, 541.	2.1	35
75	Drastic improvement in the photocatalytic activity of Ga₂O₃ modified with Mgâ€“Al layered double hydroxide for the conversion of CO₂ in water. Sustainable Energy and Fuels, 2017, 1, 1740-1747.	2.5	35
76	Title is missing!. Topics in Catalysis, 2002, 18, 113-118.	1.3	34
77	Fabrication of well-shaped Sr2KTa5O15 nanorods with a tetragonal tungsten bronze structure by a flux method for artificial photosynthesis. Applied Catalysis B: Environmental, 2016, 199, 272-281.	10.8	34
78	Dual Ag/Co cocatalyst synergism for the highly effective photocatalytic conversion of CO₂ by H₂O over Al-SrTiO₃. Chemical Science, 2021, 12, 4940-4948.	3.7	34
79	Photoassisted NO reduction with NH3 over TiO2 photocatalyst. Chemical Communications, 2002, , 2742-2743.	2.2	33
80	XAFS and XRD Analysis of Ceriaâ€“Zirconia Oxygen Storage Promoters for Automotive Catalysts. Topics in Catalysis, 2008, 47, 137-147.	1.3	33
81	Visible-light-assisted selective catalytic reduction of NO with NH₃ on porphyrin derivative-modified TiO₂ photocatalysts. Catalysis Science and Technology, 2015, 5, 556-561.	2.1	33
82	Effect of Thickness of Chromium Hydroxide Layer on Ag Cocatalyst Surface for Highly Selective Photocatalytic Conversion of CO₂ by H₂O. ACS Sustainable Chemistry and Engineering, 2019, 7, 2083-2090.	3.2	32
83	Modification of photocatalytic center for photo-epoxidation of propylene by rubidium ion addition to V2O5/SiO2. Catalysis Communications, 2005, 6, 269-273.	1.6	30
84	Ionic Liquid-Stabilized Single-Atom Rh Catalyst Against Leaching. CCS Chemistry, 2021, 3, 1814-1822.	4.6	30
85	Effect of Calcium Sulfate Addition on the Activity of the Absorbent for Dry Flue Gas Desulfurization. Energy & Fuels, 2001, 15, 438-443.	2.5	29
86	Role of lattice oxygen and oxygen vacancy sites in platinum group metal catalysts supported on Sr₃Fe₂O_{7â˜Î´} for NO-selective reduction. Catalysis Science and Technology, 2018, 8, 147-153.	2.1	29
87	Isolated Platinum Atoms in Ni/Î³-Al₂O₃ for Selective Hydrogenation of CO₂ toward CH₄. Journal of Physical Chemistry C, 2019, 123, 23446-23454.	1.5	29
88	Highly Active and Stable Ptâ€“Sn/SBA-15 Catalyst Prepared by Direct Reduction for Ethylbenzene Dehydrogenation: Effects of Sn Addition. Industrial & Engineering Chemistry Research, 2017, 56, 7160-7172.	1.8	28
89	Size Controlled Synthesis of Gold Nanoparticles by Porphyrin with Four Sulfur Atoms. Topics in Catalysis, 2009, 52, 852-859.	1.3	27
90	Enhanced oxygen-release/storage properties of Pd-loaded Sr₃Fe₂O_{7â˜Î´}. Physical Chemistry Chemical Physics, 2017, 19, 14107-14113.	1.3	27

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91	Valence Variation of Yb Encapsulated in the Supercage of Y-Type Zeolite. Japanese Journal of Applied Physics, 1993, 32, 481.	0.8	26
92	Oxygen Storage Property and Chemical Stability of SrFe_{1â€“x}Ti_xO_{3â^Î´} with Robust Perovskite Structure. Journal of Physical Chemistry C, 2017, 121, 19358-19364.	1.5	26
93	Enhanced CO evolution for photocatalytic conversion of CO2 by H2O over Ca modified Ga2O3. Communications Chemistry, 2020, 3, .	2.0	26
94	Optimized Synthesis of Agâ€Modified Alâ€Doped SrTiO₃ Photocatalyst for the Conversion of CO₂ Using H₂O as an Electron Donor. ChemistrySelect, 2020, 5, 8779-8786.	0.7	26
95	Highly Selective Photocatalytic Conversion of Carbon Dioxide by Water over Al-SrTiO₃ Photocatalyst Modified with Silverâ€“Metal Dual Cocatalysts. ACS Sustainable Chemistry and Engineering, 2021, 9, 9327-9335.	3.2	26
96	Reaction Mechanism and the Role of Copper in the Photooxidation of Alcohol over Cu/Nb₂O₅. ChemPhysChem, 2011, 12, 2823-2830.	1.0	24
97	Flux method fabrication of potassium rare-earth tantalates for CO2 photoreduction using H2O as an electron donor. Catalysis Today, 2018, 300, 173-182.	2.2	24
98	Niâ€“Pt Alloy Nanoparticles with Isolated Pt Atoms and Their Cooperative Neighboring Ni Atoms for Selective Hydrogenation of CO₂ Toward CH₄ Evolution: In Situ and Transient Fourier Transform Infrared Studies. ACS Applied Nano Materials, 2020, 3, 9633-9644.	2.4	24
99	Selective reduction of NO over Cu/Al2O3: Enhanced catalytic activity by infinitesimal loading of Rh on Cu/Al2O3. Molecular Catalysis, 2017, 442, 74-82.	1.0	23
100	NOx Oxidation and Storage Properties of a Ruddlesdenâ€“Popper-Type Sr3Fe2O7â^Î´-Layered Perovskite Catalyst. ACS Applied Materials & Interfaces, 2019, 11, 26985-26993.	4.0	23
101	In Situ Time-Resolved Energy-Dispersive XAFS Study on Reduction Behavior of Pt Supported on TiO2 and Al2O3. Catalysis Letters, 2009, 131, 413-418.	1.4	22
102	Development of Rh-Doped Ga₂O₃ Photocatalysts for Reduction of CO₂ by H₂O as an Electron Donor at a More than 300 nm Wavelength. Journal of Physical Chemistry C, 2018, 122, 21132-21139.	1.5	22
103	Zeoliteâ€Encaged Pdâ€“Mn Nanocatalysts for CO₂ Hydrogenation and Formic Acid Dehydrogenation. Angewandte Chemie, 2020, 132, 20358-20366.	1.6	22
104	Striking Oxygen-Release/Storage Properties of Fe-Site-Substituted Sr₃Fe₂O_{7â^Î´}. Journal of Physical Chemistry C, 2018, 122, 11186-11193.	1.5	21
105	Structural analysis of tungstenâ€“zirconium oxide catalyst by W Kâ€edge and L₁â€edge XAFS. X-Ray Spectrometry, 2008, 37, 226-231.	0.9	19
106	X-Ray absorption spectroscopy (EXAFS/XANES) evidence for the preferential formation of isolated VO4 species on highly photoactive V2O5/SiO2 catalysts. Journal of the Chemical Society Chemical Communications, 1987, , 506.	2.0	18
107	Selective Catalytic Reduction of NO by NH₃ over Photocatalysts (Photoâ€SCR): Mechanistic Investigations and Developments. Chemical Record, 2016, 16, 2268-2277.	2.9	18
108	Metal oxide promoted TiO2 catalysts for photo-assisted selective catalytic reduction of NO with NH3. Research on Chemical Intermediates, 2008, 34, 487-494.	1.3	17

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109	Control of Acid-Site Location of MFI Zeolite by Catalytic Cracking of Silane and Its Application to Olefin Synthesis from Acetone. Journal of Chemical Engineering of Japan, 2009, 42, S162-S167.	0.3	16
110	Mechanism of NOâ€“CO reaction over highly dispersed cuprous oxide on Î³-alumina catalyst using a metalâ€“support interfacial site in the presence of oxygen: similarities to and differences from biological systems. Catalysis Science and Technology, 2018, 8, 3833-3845.	2.1	16
111	Role of Bicarbonate Ions in Aqueous Solution as a Carbon Source for Photocatalytic Conversion of CO₂ into CO. ACS Applied Energy Materials, 2019, 2, 5397-5405.	2.5	16
112	Self-regeneration of a Niâ€“Cu alloy catalyst during a three-way catalytic reaction. Physical Chemistry Chemical Physics, 2019, 21, 18816-18822.	1.3	16
113	Rational Design of a Molecular Nanocatalystâ€Stabilizer that Enhances both Catalytic Activity and Nanoparticle Stability. ChemCatChem, 2012, 4, 1907-1910.	1.8	15
114	Local Structure of Pr, Nd, and Sm Complex Oxides and Their X-ray Absorption Near Edge Structure Spectra. Journal of Physical Chemistry C, 2014, 118, 20881-20888.	1.5	15
115	Characterization of Cu Nanoparticles on TiO2 Photocatalysts Fabricated by Electroless Plating Method. Topics in Catalysis, 2014, 57, 975-983.	1.3	15
116	Recent progress in photocatalytic conversion of carbon dioxide over gallium oxide and its nanocomposites. Current Opinion in Chemical Engineering, 2018, 20, 114-121.	3.8	15
117	Fe-Modified CuNi Alloy Catalyst as a Nonprecious Metal Catalyst for Three-Way Catalysis. Industrial & Engineering Chemistry Research, 2020, 59, 19907-19917.	1.8	15
118	Imparting CO₂ reduction selectivity to ZnGa₂O₄ photocatalysts by crystallization from hetero nano assembly of amorphous-like metal hydroxides. RSC Advances, 2020, 10, 8066-8073.	1.7	15
119	Generation of BrÃ¸nsted Acid Over Alumina-Supported Niobia Calcined at High Temperatures. Topics in Catalysis, 2010, 53, 672-677.	1.3	14
120	Solvothermal Synthesis of Ca2Nb2O7 Fine Particles and Their High Activity for Photocatalytic Water Splitting into H2 and O2 under UV Light Irradiation. Chemistry Letters, 2015, 44, 1001-1003.	0.7	14
121	Local Structure and L1- and L3-Edge X-ray Absorption Near Edge Structure of Late Lanthanide Elements (Ho, Er, Yb) in Their Complex Oxides. Journal of Physical Chemistry C, 2015, 119, 8070-8077.	1.5	14
122	A detailed insight into the catalytic reduction of NO operated by Crâ€“Cu nanostructures embedded in a CeO₂ surface. Physical Chemistry Chemical Physics, 2018, 20, 25592-25601.	1.3	14
123	The importance of direct reduction in the synthesis of highly active Ptâ€“Sn/SBA-15 for n-butane dehydrogenation. Catalysis Science and Technology, 2019, 9, 947-956.	2.1	14
124	Oxidation and Storage Mechanisms for Nitrogen Oxides on Variously Terminated (001) Surfaces of SrFeO_{3â^Î´} and Sr₃Fe₂O_{7â^Î´} Perovskites. ACS Applied Materials & Interfaces, 2021, 13, 7216-7226.	4.0	14
125	In situ observation of the dynamic behavior of Cuâ€“Alâ€“Ox catalysts for water gas shift reaction during daily start-up and shut-down (DSS)-like operation. Catalysis Science and Technology, 2012, 2, 1685.	2.1	13
126	Promoter effect of Pd species on Mn oxide catalysts supported on rare-earth-iron mixed oxide. Catalysis Science and Technology, 2016, 6, 7868-7874.	2.1	13

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127	Pd/SrFe_{1â€“x}Ti_xO_{3â^Î´} as Environmental Catalyst: Purification of Automotive Exhaust Gases. ACS Applied Materials & Interfaces, 2018, 10, 22182-22189.	4.0	13
128	Deactivation Mechanism and Enhanced Durability of V₂O₅/TiO₂â€“SiO₂â€“MoO₃ Catalysts for NH₃â^'SCR in the Presence of SO₂. ChemCatChem, 2020, 12, 5938-5947.	1.8	13
129	Structural analysis of group V, VI, VII metal compounds by XAFS and DFT calculation. Journal of Physics: Conference Series, 2009, 190, 012073.	0.3	12
130	Photo-Induced Electron Transfer Between a Reactant Molecule and Semiconductor Photocatalyst: In Situ Doping. Catalysis Surveys From Asia, 2011, 15, 240-258.	1.0	12
131	Efficient oxygen storage property of Srâ€“Fe mixed oxide as automotive catalyst support. Journal of Materials Chemistry A, 2019, 7, 1013-1021.	5.2	12
132	Ptâ€“Co Alloy Nanoparticles on a Î³â€Al₂O₃ Support: Synergistic Effect between Isolated Electronâ€Rich Pt and Co for Automotive Exhaust Purification. ChemPlusChem, 2019, 84, 447-456.	1.3	12
133	Dynamics of the Lattice Oxygen in a Ruddlesdenâ€“Popper-type Sr3Fe2O7â^Î´ Catalyst during NO Oxidation. ACS Catalysis, 2020, 10, 2528-2537.	5.5	12
134	Metal Oxide Catalysts. Series on Synchrotron Radiation Techniques and Applications, 1996, , 304-325.	0.2	11
135	Photo-induced Surface Property on Transparent Mesoporous Silica Thin Films Containing Single-site Photocatalyst. Topics in Catalysis, 2008, 47, 116-121.	1.3	11
136	Sodium Cation Substitution in Sr₂KTa₅O₁₅ toward Enhancement of Photocatalytic Conversion of CO₂ Using H₂O as an Electron Donor. ACS Omega, 2017, 2, 8187-8197.	1.6	11
137	Excellent Catalytic Activity of a Pdâ€Promoted MnO x Catalyst for Purifying Automotive Exhaust Gases. ChemCatChem, 2020, 12, 4276-4280.	1.8	11
138	Effect of molybdenum on the structure and performance of V2O5/TiO2â€“SiO2â€“MoO3 catalysts for the oxidative degradation of o-chlorotoluene. Applied Catalysis A: General, 2020, 595, 117496.	2.2	11
139	A feasibility study of â€œrange-extendedâ€•EXAFS measurement at the Pt L₃-edge of Pt/Al₂O₃ in the presence of Au₂O₃. Journal of Analytical Atomic Spectrometry, 2018, 33, 84-89.	1.6	10
140	Low-temperature NO oxidation using lattice oxygen in Fe-site substituted SrFeO3â^Î´. Physical Chemistry Chemical Physics, 2020, 22, 24181-24190.	1.3	10
141	Effect of Zn in Ag-Loaded Zn-Modified ZnTa₂O₆ for Photocatalytic Conversion of CO₂ by H₂O. Journal of Physical Chemistry C, 2021, 125, 1304-1312.	1.5	10
142	Efficient photocatalytic carbon monoxide production from ammonia and carbon dioxide by the aid of artificial photosynthesis. Chemical Science, 2017, 8, 5797-5801.	3.7	9
143	CO and C3H6 oxidation over platinum-group metal (PGM) catalysts supported on Mn-modified hexagonal YbFeO3. Catalysis Today, 2019, 332, 183-188.	2.2	9
144	Important Role of Strontium Atom on the Surface of Sr₂KTa₅O₁₅ with a Tetragonal Tungsten Bronze Structure to Improve Adsorption of CO₂ for Photocatalytic Conversion of CO₂ by H₂O. ACS Applied Materials & Interfaces, 2019, 11, 37875-37884.	4.0	9

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145	Effect of Surface Reforming via O₃ Treatment on the Electrochemical CO₂ Reduction Activity of a Ag Cathode. ACS Applied Energy Materials, 2020, 3, 6552-6560.	2.5	9
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