

Yang-Long Guo

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Effect of Ceria Crystal Plane on the Physicochemical and Catalytic Properties of Pd/Ceria for CO and Propane Oxidation. ACS Catalysis, 2016, 6, 2265-2279.	11.2	505
2	A Highly Effective Catalyst of Sm-MnO _x for the NH ₃ -SCR of NO _x at Low Temperature: Promotional Role of Sm and Its Catalytic Performance. ACS Catalysis, 2015, 5, 5973-5983.	11.2	457
3	Highly Active and Stable Co ₃ O ₄ /ZSM-5 Catalyst for Propane Oxidation: Effect of the Preparation Method. ACS Catalysis, 2013, 3, 1154-1164.	11.2	338
4	Catalytic oxidation of vinyl chloride emission over LaMnO ₃ and La _{0.2} Mn _{0.8} O ₃ (B=Co, Ni, Fe) catalysts. Applied Catalysis B: Environmental, 2013, 129, 509-516.	20.2	270
5	Ru/CeO ₂ Catalyst with Optimized CeO ₂ Support Morphology and Surface Facets for Propane Combustion. Environmental Science & Technology, 2019, 53, 5349-5358.	10.0	228
6	A Sacrificial Coating Strategy Toward Enhancement of Metal-Support Interaction for Ultrastable Au Nanocatalysts. Journal of the American Chemical Society, 2016, 138, 16130-16139.	13.7	217
7	LaMnO ₃ perovskite oxides prepared by different methods for catalytic oxidation of toluene. Applied Catalysis B: Environmental, 2014, 148-149, 490-498.	20.2	211
8	Spinel structured CoMnO _x mixed oxide catalyst for the selective catalytic reduction of NO _x with NH ₃ . Applied Catalysis B: Environmental, 2018, 221, 652-663.	20.2	204
9	Efficient low-temperature catalytic combustion of trichloroethylene over flower-like mesoporous Mn-doped CeO ₂ microspheres. Applied Catalysis B: Environmental, 2011, 102, 475-483.	20.2	198
10	Crystal Structural Effect of AuCu Alloy Nanoparticles on Catalytic CO Oxidation. Journal of the American Chemical Society, 2017, 139, 8846-8854.	13.7	181
11	Origin of extraordinarily high catalytic activity of Co ₃ O ₄ and its morphological chemistry for CO oxidation at low temperature. Journal of Catalysis, 2012, 296, 110-119.	6.2	179
12	Taming the stability of Pd active phases through a compartmentalizing strategy toward nanostructured catalyst supports. Nature Communications, 2019, 10, 1611.	12.8	168
13	Total Oxidation of Propane over a Ru/CeO ₂ Catalyst at Low Temperature. Environmental Science & Technology, 2018, 52, 9531-9541.	10.0	165
14	Catalytic oxidation of vinyl chloride emissions over Co-Ce composite oxide catalysts. Chemical Engineering Journal, 2017, 315, 392-402.	12.7	150
15	Hydrothermal synthesis of NiCeO _x nanosheets and its application to the total oxidation of propane. Applied Catalysis B: Environmental, 2018, 225, 110-120.	20.2	149
16	Low-temperature CO oxidation over Co ₃ O ₄ -based catalysts: Significant promoting effect of Bi ₂ O ₃ on Co ₃ O ₄ catalyst. Applied Catalysis B: Environmental, 2014, 146, 43-49.	20.2	146
17	Surfactant-Assisted Stabilization of Au Colloids on Solids for Heterogeneous Catalysis. Angewandte Chemie - International Edition, 2017, 56, 4494-4498.	13.8	129
18	Current status and perspectives of rare earth catalytic materials and catalysis. Chinese Journal of Catalysis, 2014, 35, 1238-1250.	14.0	120

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19	Structural Origin: Water Deactivates Metal Oxides to CO Oxidation and Promotes Low-Temperature CO Oxidation with Metals. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6657-6661.	13.8	119
20	The effect of A-site substitution by Sr, Mg and Ce on the catalytic performance of LaMnO ₃ catalysts for the oxidation of vinyl chloride emission. <i>Applied Catalysis B: Environmental</i> , 2013, 134-135, 310-315.	20.2	114
21	Shape-Controlled CeO ₂ Nanoparticles: Stability and Activity in the Catalyzed HCl Oxidation Reaction. <i>ACS Catalysis</i> , 2017, 7, 6453-6463.	11.2	109
22	Identification of Active Area as Active Center for CO Oxidation over Single Au Atom Catalyst. <i>ACS Catalysis</i> , 2020, 10, 6094-6101.	11.2	106
23	Activity and stability of Co ₃ O ₄ -based catalysts for soot oxidation: The enhanced effect of Bi ₂ O ₃ on activation and transfer of oxygen. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 33-44.	20.2	103
24	The relationship between the chemical state of Pd species and the catalytic activity for methane combustion on Pd/CeO ₂ . <i>Catalysis Science and Technology</i> , 2018, 8, 2567-2577.	4.1	103
25	A Facile Way To Improve Pt Atom Efficiency for CO Oxidation at Low Temperature: Modification by Transition Metal Oxides. <i>ACS Catalysis</i> , 2019, 9, 6177-6187.	11.2	99
26	Superior catalytic activity of a Pd catalyst in methane combustion by fine-tuning the phase of ceria-zirconia support. <i>Applied Catalysis B: Environmental</i> , 2020, 266, 118631.	20.2	99
27	Significant Improvement of Catalytic Performance for Chlorinated Volatile Organic Compound Oxidation over RuO _x Supported on Acid-Etched Co ₃ O ₄ . <i>Environmental Science & Technology</i> , 2021, 55, 10734-10743.	10.0	97
28	Relationship between catalytic deactivation and physicochemical properties of LaMnO ₃ perovskite catalyst during catalytic oxidation of vinyl chloride. <i>Applied Catalysis B: Environmental</i> , 2016, 186, 173-183.	20.2	95
29	NixAl _{1-x} O ₂ mesoporous catalysts for dry reforming of methane: The special role of NiAl ₂ O ₄ spinel phase and its reaction mechanism. <i>Applied Catalysis B: Environmental</i> , 2021, 291, 120074.	20.2	93
30	NH ₃ -SCR on Cu, Fe and Cu + Fe exchanged beta and SSZ-13 catalysts: Hydrothermal aging and propylene poisoning effects. <i>Catalysis Today</i> , 2019, 320, 91-99.	4.4	90
31	Catalytic oxidation of chlorinated volatile organic compounds over Mn-Ti composite oxides catalysts: Elucidating the influence of surface acidity. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119577.	20.2	85
32	Catalytic oxidation of 1,2-dichloropropane over supported LaMnO _x catalysts. <i>Applied Catalysis B: Environmental</i> , 2017, 201, 552-560.	20.2	81
33	Catalytic N ₂ O decomposition and reduction by NH ₃ over Fe/Beta and Fe/SSZ-13 catalysts. <i>Journal of Catalysis</i> , 2018, 358, 199-210.	6.2	80
34	Total oxidation of propane over Co ₃ O ₄ -based catalysts: Elucidating the influence of Zr dopant. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120606.	20.2	78
35	Synthesis of oxide supported LaMnO ₃ perovskites to enhance yields in toluene combustion. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 29-37.	20.2	77
36	Surface tuning of noble metal doped perovskite oxide by synergistic effect of thermal treatment and acid etching: A new path to high-performance catalysts for methane combustion. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 373-382.	20.2	76

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37	Titania-Samarium-Manganese Composite Oxide for the Low-Temperature Selective Catalytic Reduction of NO with NH ₃ . Environmental Science & Technology, 2020, 54, 2530-2538.	10.0	75
38	Synthesis of Lanthanum-Doped MCM-48 Molecular Sieves and Its Catalytic Performance for the Oxidation of Styrene. Journal of Physical Chemistry B, 2007, 111, 12103-12110.	2.6	74
39	A highly effective catalyst of Sm-Mn mixed oxide for the selective catalytic reduction of NO _x with ammonia: Effect of the calcination temperature. Journal of Molecular Catalysis A, 2016, 420, 272-281.	4.8	66
40	Total Oxidation of Light Alkane over Phosphate-Modified Pt/CeO ₂ Catalysts. Environmental Science & Technology, 2022, 56, 9661-9671.	10.0	65
41	An efficient Sn Mn ₁ -O composite oxide catalyst for catalytic combustion of vinyl chloride emissions. Applied Catalysis B: Environmental, 2019, 255, 117748.	20.2	64
42	Ambient-temperature NO oxidation over amorphous CrO _x -ZrO ₂ mixed oxide catalysts: Significant promoting effect of ZrO ₂ . Applied Catalysis B: Environmental, 2017, 202, 706-714.	20.2	60
43	A novel support of MCM-48 molecular sieve for immobilization of penicillin G acylase. Journal of Molecular Catalysis B: Enzymatic, 2004, 30, 75-81.	1.8	56
44	Epoxidation of propylene by molecular oxygen over supported Ag-Cu bimetallic catalysts with low Ag loading. Journal of Molecular Catalysis A, 2012, 357, 106-111.	4.8	56
45	Catalytic Methane Combustion over Co ₃ O ₄ /CeO ₂ Composite Oxides Prepared by Modified Citrate Sol-Gel Method. Catalysis Letters, 2011, 141, 452-458.	2.6	54
46	The existing states of potassium species in K-doped Co ₃ O ₄ catalysts and their influence on the activities for NO and soot oxidation. Catalysis Science and Technology, 2017, 7, 4710-4719.	4.1	52
47	Immobilized penicillin G acylase on mesoporous silica: The influence of pore size, pore volume and mesophases. Microporous and Mesoporous Materials, 2008, 114, 507-510.	4.4	49
48	Direct epoxidation of propylene with molecular oxygen over Ag-MoO ₃ /ZrO ₂ catalyst. Catalysis Today, 2004, 93-95, 173-182.	4.4	47
49	Effect of preparation condition on performance of Ag-MoO ₃ /ZrO ₂ catalyst for direct epoxidation of propylene by molecular oxygen. Journal of Molecular Catalysis A, 2005, 232, 165-172.	4.8	43
50	Catalytic mechanism and pathways of 1, 2-dichloropropane oxidation over LaMnO ₃ perovskite: An experimental and DFT study. Journal of Hazardous Materials, 2021, 402, 123473.	12.4	42
51	Synthesis of cerium-doped MCM-48 molecular sieves and its catalytic performance for selective oxidation of cyclohexane. Journal of Rare Earths, 2008, 26, 515-522.	4.8	41
52	An efficient and reusable chairy-particle acid catalyst for the synthesis of 5-hydroxymethylfurfural from dehydration of fructose in water. Chemical Communications, 2013, 49, 8668.	4.1	40
53	Oxygen storage capacity versus catalytic activity of ceria-zirconia solid solutions in CO and HCl oxidation. Catalysis Science and Technology, 2019, 9, 2163-2172.	4.1	37
54	Superior catalytic activity of Pd-based catalysts upon tuning the structure of the ceria-zirconia support for methane combustion. Chemical Engineering Journal, 2021, 416, 129150.	12.7	36

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55	Low-temperature catalytic oxidation of vinyl chloride over Ru modified Co ₃ O ₄ catalysts. RSC Advances, 2016, 6, 99577-99585.	3.6	35
56	Catalytic HCl oxidation reaction: Stabilizing effect of Zr-doping on CeO ₂ nano-rods. Applied Catalysis B: Environmental, 2018, 239, 628-635.	20.2	34
57	Catalytic combustion of vinyl chloride over Sr doped LaMnO ₃ . Catalysis Today, 2019, 327, 190-195.	4.4	32
58	A highly-efficient La-MnO _x catalyst for propane combustion: the promotional role of La and the effect of the preparation method. Catalysis Science and Technology, 2016, 6, 8222-8233.	4.1	31
59	Significant enhancement of the selectivity of propylene epoxidation for propylene oxide: a molecular oxygen mechanism. Physical Chemistry Chemical Physics, 2017, 19, 25129-25139.	2.8	31
60	Aminopropyl-functionalized silicas synthesized by W/O microemulsion for immobilization of penicillin G acylase. Catalysis Today, 2009, 148, 184-188.	4.4	30
61	Superparamagnetic aminopropyl-functionalized silica core-shell microspheres as magnetically separable carriers for immobilization of penicillin G acylase. Journal of Molecular Catalysis B: Enzymatic, 2010, 63, 50-56.	1.8	30
62	Gas-phase hydrogenation of maleic anhydride to γ -butyrolactone at atmospheric pressure over Cu-CeO ₂ -Al ₂ O ₃ catalyst. Journal of Molecular Catalysis A, 2011, 337, 77-81.	4.8	30
63	Catalytic activity of Cu-SSZ-13 prepared with different methods for NH ₃ -SCR reaction. Rare Metals, 2019, 38, 210-220.	7.1	30
64	Catalytic performance of Co-Fe mixed oxide for NH ₃ -SCR reaction and the promotional role of cobalt. RSC Advances, 2016, 6, 66169-66179.	3.6	29
65	Synthesis of a hollow structured core-shell Au@CeO ₂ -ZrO ₂ nanocatalyst and its excellent catalytic performance. Journal of Materials Chemistry A, 2017, 5, 5601-5611.	10.3	29
66	Study of Higher Selectivity to Styrene Oxide in the Epoxidation of Styrene with Hydrogen Peroxide over La-Doped MCM-48 Catalyst. Journal of Physical Chemistry C, 2009, 113, 7181-7185.	3.1	28
67	Immobilization of glucose isomerase onto GAMM support for isomerization of glucose to fructose. Journal of Molecular Catalysis B: Enzymatic, 2011, 72, 73-76.	1.8	28
68	Three-Phase Catalytic System of H ₂ O, Ionic Liquid, and VOPO ₄ ·SiO ₂ Solid Acid for Conversion of Fructose to 5-Hydroxymethylfurfural. ChemSusChem, 2014, 7, 1703-1709.	6.8	28
69	Epoxidation of propylene by molecular oxygen over unsupported AgCu _x bimetallic catalyst. Rare Metals, 2015, 34, 477-490.	7.1	28
70	Catalytic combustion of CVOCs over MoO _x /CeO ₂ catalysts. Applied Catalysis B: Environmental, 2022, 310, 121240.	20.2	28
71	Promotional effect of Y ₂ O ₃ on the performance of Ag/Al ₂ O ₃ catalyst for epoxidation of propylene with molecular oxygen. Journal of Molecular Catalysis A, 2007, 276, 162-167.	4.8	27
72	Unexpected C-C Bond Cleavage Mechanism in Ethylene Combustion at Low Temperature: Origin and Implications. ACS Catalysis, 2016, 6, 5393-5398.	11.2	27

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73	Ambient temperature NO oxidation over Cr-based amorphous mixed oxide catalysts: effects from the second oxide components. <i>Catalysis Science and Technology</i> , 2017, 7, 2362-2370.	4.1	27
74	Catalytic Performance of MgO-Supported Co Catalyst for the Liquid Phase Oxidation of Cyclohexane with Molecular Oxygen. <i>Catalysts</i> , 2017, 7, 155.	3.5	27
75	Understanding the three-way catalytic reaction on Pd/CeO ₂ by tuning the chemical state of Pd. <i>Applied Surface Science</i> , 2021, 556, 149766.	6.1	26
76	Gas-phase epoxidation of propylene by molecular oxygen over Ag-CuCl ₂ /BaCO ₃ catalyst with low CuCl ₂ doping: Catalytic performance, deactivation and regeneration. <i>Journal of Molecular Catalysis A</i> , 2016, 424, 65-76.	4.8	25
77	A renewable HSO ₃ /H ₂ PO ₃ -grafted polyethylene fiber catalyst: an efficient heterogeneous catalyst for the synthesis of 5-hydroxymethylfurfural from fructose in water. <i>RSC Advances</i> , 2013, 3, 21242.	3.6	23
78	Preparation of LaMnO ₃ for catalytic combustion of vinyl chloride. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1406-1412.	14.0	23
79	Ruthenium oxides supported on heterostructured CoPO-MCF materials for catalytic oxidation of vinyl chloride emissions. <i>Journal of Hazardous Materials</i> , 2018, 342, 290-296.	12.4	23
80	Gas-phase epoxidation of propylene by molecular oxygen over Ag/BaCO ₃ catalysts: Effect of preparation conditions. <i>Catalysis Today</i> , 2016, 276, 2-10.	4.4	22
81	Insight into the Superior Catalytic Activity of MnO ₂ for Low-Content NO Oxidation at Room Temperature. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25365-25373.	3.1	22
82	Aldehyde-functionalized mesostructured cellular foams prepared by copolymerization method for immobilization of penicillin G acylase. <i>Microporous and Mesoporous Materials</i> , 2015, 202, 90-96.	4.4	21
83	Effect of ceria morphology on the performance of MnO _x /CeO ₂ catalysts in catalytic combustion of N,N-dimethylformamide. <i>Catalysis Science and Technology</i> , 2020, 10, 2473-2483.	4.1	21
84	Oxy-Anionic Doping: A New Strategy for Improving Selectivity of Ru/CeO ₂ with Synergetic Versatility and Thermal Stability for Catalytic Oxidation of Chlorinated Volatile Organic Compounds. <i>Environmental Science & Technology</i> , 2022, 56, 8854-8863.	10.0	21
85	In situ assembly of ultrafine Mn ₃ O ₄ nanoparticles into MIL-101 for selective aerobic oxidation. <i>Catalysis Science and Technology</i> , 2017, 7, 4136-4144.	4.1	20
86	CeO ₂ Wetting Layer on ZrO ₂ Particle with Sharp Solid Interface as Highly Active and Stable Catalyst for HCl Oxidation Reaction. <i>ACS Catalysis</i> , 2019, 9, 10680-10693.	11.2	20
87	Insights into the Morphological Effect of Co ₃ O ₄ Crystallite on Catalytic Oxidation of Vinyl Chloride. <i>Catalysts</i> , 2019, 9, 408.	3.5	20
88	Synthesis of lanthanum or La-B doped KIT-6 mesoporous materials and their application in the catalytic oxidation of styrene. <i>Journal of Rare Earths</i> , 2010, 28, 369-375.	4.8	19
89	Surfactant-Mediated One-Pot Method To Prepare Pd@CeO ₂ Colloidal Assembled Spheres and Their Enhanced Catalytic Performance for CO Oxidation. <i>ACS Omega</i> , 2016, 1, 118-126.	3.5	19
90	Catalytic oxidation of hydrogen chloride to chlorine over Cu-K-Sm/Al ₂ O ₃ catalyst with excellent catalytic performance. <i>Catalysis Today</i> , 2018, 307, 286-292.	4.4	19

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91	In situ growth synthesis of heterostructured LnPO ₄ @SiO ₂ (Ln = La, Ce, and Eu) mesoporous materials as supports for small gold particles used in catalytic CO oxidation. <i>Journal of Materials Chemistry</i> , 2012, 22, 25227.	6.7	18
92	The stabilizing effect of water and high reaction temperatures on the CeO ₂ -catalyst in the harsh HCl oxidation reaction. <i>Journal of Catalysis</i> , 2018, 357, 257-262.	6.2	18
93	Tuning performance of Pd/Sn _{0.9} Ce _{0.1} O ₂ catalyst for methane combustion by optimizing calcination temperature of support. <i>Rare Metals</i> , 2019, 38, 107-114.	7.1	18
94	Ambient Temperature NO Adsorber Derived from Pyrolysis of Co-MOF(ZIF-67). <i>ACS Omega</i> , 2019, 4, 9542-9551.	3.5	18
95	Spherical Ni Nanoparticles Supported by Nanosheet-Assembled Al ₂ O ₃ for Dry Reforming of CH ₄ : Elucidating the Induction Period and Its Excellent Resistance to Coking. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58605-58618.	8.0	18
96	Role of chlorohydrocarbon in increasing selectivity of propylene oxide over Ag@Y ₂ O ₃ /K ₂ O/Al ₂ O ₃ catalyst for epoxidation of propylene by molecular oxygen. <i>Journal of Molecular Catalysis A</i> , 2011, 342-343, 30-34.	4.8	17
97	Paramagnetic epoxy-functionalized mesostructured cellular foams with an open pore system for immobilization of penicillin G acylase. <i>Microporous and Mesoporous Materials</i> , 2014, 190, 17-25.	4.4	17
98	An efficient Cu-K-La/Al ₂ O ₃ catalyst for catalytic oxidation of hydrogen chloride to chlorine. <i>Applied Catalysis B: Environmental</i> , 2015, 164, 483-487.	20.2	17
99	Synthesis and catalytic ammoxidation performance of hierarchical TS-1 prepared by steam-assisted dry gel conversion method: the effect of TPAOH amount. <i>Journal of Materials Science</i> , 2014, 49, 4341-4348.	3.7	16
100	Understanding the role of redox properties and NO adsorption over MnFeO ₃ for NH ₃ -SCR. <i>Catalysis Science and Technology</i> , 2022, 12, 2030-2041.	4.1	16
101	Deoxygenation of coal bed methane on LaCoO ₃ perovskite catalyst: the structure evolution and catalytic performance. <i>RSC Advances</i> , 2017, 7, 15211-15221.	3.6	15
102	Mechanochemically Assisted Synthesis of Ruthenium Clusters Embedded in Mesoporous Carbon for an Efficient Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2019, 6, 2719-2725.	3.4	15
103	Elimination of NO pollutant in semi-enclosed spaces over sodium-promoted cobalt oxyhydroxide (CoOOH) by oxidation and adsorption mechanism. <i>Applied Catalysis B: Environmental</i> , 2020, 279, 119404.	20.2	15
104	Catalytic combustion of vinyl chloride emissions over Co ₃ O ₄ catalysts with different crystallite sizes. <i>Rare Metals</i> , 2021, 40, 817-827.	7.1	15
105	Gas-phase epoxidation of propylene by molecular oxygen over Ag-Cu-Cl/BaCO ₃ catalyst: Effects of Cu and Cl loadings. <i>Chinese Journal of Catalysis</i> , 2017, 38, 65-72.	14.0	14
106	Immobilization of penicillin G acylase on paramagnetic polymer microspheres with epoxy groups. <i>Chinese Journal of Catalysis</i> , 2018, 39, 47-53.	14.0	14
107	Preparation of lamellar-stacked TS-1 and its catalytic performance for the ammoxidation of butanone with H ₂ O ₂ . <i>Journal of Materials Science</i> , 2018, 53, 4034-4045.	3.7	14
108	Spinel Co ₃ O ₄ oxides-support synergistic effect on catalytic oxidation of toluene. <i>Applied Catalysis A: General</i> , 2021, 614, 118044.	4.3	14

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109	Comparisons on thermal and water-resistance of Ru and Pd supported on cobalt-doped alumina nanosheets for catalytic combustion of propane. <i>Applied Catalysis A: General</i> , 2021, 628, 118398.	4.3	14
110	Low-temperature catalytic combustion of trichloroethylene over MnO -CeO ₂ mixed oxide catalysts. <i>Journal of Rare Earths</i> , 2023, 41, 523-530.	4.8	14
111	Ball Milling-Assisted Synthesis of Ultrasmall Ruthenium Phosphide for Efficient Hydrogen Evolution Reaction. <i>Catalysts</i> , 2019, 9, 240.	3.5	13
112	Ambient Temperature Formaldehyde Oxidation on the Pt/Na-ZSM-5 Catalyst: Tuning Adsorption Capacity and the Pt Chemical State. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 7132-7144.	3.7	13
113	Gas-phase hydrogenation of maleic anhydride to γ -butyrolactone over Cu-CeO ₂ -Al ₂ O ₃ catalyst at atmospheric pressure: Effects of the residual sodium and water in the catalyst precursor. <i>Journal of Molecular Catalysis A</i> , 2014, 395, 392-397.	4.8	12
114	Robust nanosheet-assembled Al ₂ O ₃ -supported Ni catalysts for the dry reforming of methane: the effect of nickel content on the catalytic performance and carbon formation. <i>New Journal of Chemistry</i> , 2021, 45, 21750-21762.	2.8	12
115	Effect of promoters on Cu-Zn-SiO ₂ catalyst for gas-phase hydrogenation of maleic anhydride to γ -butyrolactone at atmospheric pressure. <i>Journal of Molecular Catalysis A</i> , 2014, 392, 1-7.	4.8	11
116	One-pot synthesis of aldehyde-functionalized mesoporous silica-Fe ₃ O ₄ nanocomposites for immobilization of penicillin G acylase. <i>Microporous and Mesoporous Materials</i> , 2014, 197, 1-7.	4.4	11
117	Optimizing the structural configuration of FePt-FeO _x nanoparticles at the atomic scale by tuning the post-synthetic conditions. <i>Nano Energy</i> , 2019, 55, 441-446.	16.0	10
118	Enhanced catalytic performance for selective oxidation of propene with O ₂ over bimetallic Au-Cu/SiO ₂ catalysts. <i>Rare Metals</i> , 2021, 40, 1056-1066.	7.1	10
119	Sm-MnO catalysts for low-temperature selective catalytic reduction of NO with NH ₃ : Effect of precipitation agent. <i>Journal of Rare Earths</i> , 2022, 40, 1199-1210.	4.8	10
120	Effect of KCl on the performance of Cu-K-La-Al ₂ O ₃ catalyst for HCl oxidation. <i>Chinese Journal of Catalysis</i> , 2014, 35, 1359-1363.	14.0	9
121	Heterostructured BaSO ₄ -SiO ₂ mesoporous materials as new supports for gold nanoparticles in low-temperature CO oxidation. <i>Chemical Communications</i> , 2013, 49, 3464.	4.1	8
122	Immobilization of penicillin G acylase on paramagnetic aldehyde-functionalized mesostructured cellular foams. <i>Enzyme and Microbial Technology</i> , 2014, 60, 32-39.	3.2	8
123	Sb-Containing Metal Oxide Catalysts for the Selective Catalytic Reduction of NO _x with NH ₃ . <i>Catalysts</i> , 2020, 10, 1154.	3.5	8
124	Reactivation of CeO ₂ -based Catalysts in the HCl Oxidation Reaction: In situ Quantification of the Degree of Chlorination and Kinetic Modeling. <i>ChemCatChem</i> , 2020, 12, 5511-5522.	3.7	8
125	The Influence of Residual Sodium on the Catalytic Oxidation of Propane and Toluene over Co ₃ O ₄ Catalysts. <i>Catalysts</i> , 2020, 10, 867.	3.5	7
126	Nickel oxide regulating surface oxygen to promote formaldehyde oxidation on manganese oxide catalysts. <i>Catalysis Science and Technology</i> , 2021, 11, 7110-7124.	4.1	7

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127	Surface pits stabilized Au catalyst for low-temperature CO oxidation. <i>Rare Metals</i> , 2022, 41, 3060-3068.	7.1	7
128	Understanding the role of tungsten on Pt/CeO ₂ for vinyl chloride catalytic combustion. <i>Journal of Rare Earths</i> , 2022, 40, 1462-1470.	4.8	6
129	Regulating the Spatial Distribution of Ru Nanoparticles on CeO ₂ Support for Enhanced Propane Oxidation. <i>ACS Applied Nano Materials</i> , 2022, 5, 3937-3945.	5.0	6
130	Aldehyde-propyl-functionalized mesostructured cellular foams: Efficient supports for immobilization of penicillin G acylase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 105, 111-117.	1.8	5
131	Incorporating Lanthanum into Mesoporous Silica Foam Enhances Enzyme Immobilization and the Activity of Penicillin G Acylase Due to Lewis Acid-Base Interactions. <i>ChemBioChem</i> , 2020, 21, 2143-2148.	2.6	4
132	Insight into the Surface-Tuned Activity and Cl ₂ /HCl Selectivity in the Catalytic Oxidation of Vinyl Chloride over Co ₃ O ₄ (110) versus (001): A DFT Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16975-16983.	3.1	4
133	Low-Temperature NH ₃ -SCR on Ce _x Mn _{1-x} Ti _y Mixed Oxide Catalysts: Improved Performance by the Mutual Effect between Ce and Ti. <i>Catalysts</i> , 2022, 12, 471.	3.5	4
134	A new strategy to improve catalytic activity for chlorinated volatile organic compounds oxidation over cobalt oxide: Introduction of strontium carbonate. <i>Journal of the Indian Chemical Society</i> , 2021, 98, 100116.	2.8	3