

Yun Guo

List of Publications by Year in descending order

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90
papers

7,401
citations

50170

46
h-index

54797

84
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90
all docs

90
docs citations

90
times ranked

5891
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-temperature catalytic combustion of trichloroethylene over MnO-CeO ₂ mixed oxide catalysts. Journal of Rare Earths, 2023, 41, 523-530.	2.5	14
2	Sm-MnO catalysts for low-temperature selective catalytic reduction of NO with NH ₃ : Effect of precipitation agent. Journal of Rare Earths, 2022, 40, 1199-1210.	2.5	10
3	Understanding the role of tungsten on Pt/CeO ₂ for vinyl chloride catalytic combustion. Journal of Rare Earths, 2022, 40, 1462-1470.	2.5	6
4	Understanding the role of redox properties and NO adsorption over MnFeO _x for NH ₃ -SCR. Catalysis Science and Technology, 2022, 12, 2030-2041.	2.1	16
5	Regulating the Spatial Distribution of Ru Nanoparticles on CeO ₂ Support for Enhanced Propane Oxidation. ACS Applied Nano Materials, 2022, 5, 3937-3945.	2.4	6
6	Low-Temperature NH ₃ -SCR on Cex-Mn-Tiy Mixed Oxide Catalysts: Improved Performance by the Mutual Effect between Ce and Ti. Catalysts, 2022, 12, 471.	1.6	4
7	Surface pits stabilized Au catalyst for low-temperature CO oxidation. Rare Metals, 2022, 41, 3060-3068.	3.6	7
8	Total Oxidation of Light Alkane over Phosphate-Modified Pt/CeO ₂ Catalysts. Environmental Science & Technology, 2022, 56, 9661-9671.	4.6	65
9	Catalytic oxidation of chlorinated volatile organic compounds over Mn-Ti composite oxides catalysts: Elucidating the influence of surface acidity. Applied Catalysis B: Environmental, 2021, 282, 119577.	10.8	85
10	Soot combustion over Ag catalysts supported on shape-controlled CeO ₂ . Catalysis Today, 2021, 376, 9-18.	2.2	35
11	Catalytic combustion of vinyl chloride emissions over Co ₃ O ₄ catalysts with different crystallite sizes. Rare Metals, 2021, 40, 817-827.	3.6	15
12	Nickel oxide regulating surface oxygen to promote formaldehyde oxidation on manganese oxide catalysts. Catalysis Science and Technology, 2021, 11, 7110-7124.	2.1	7
13	Enhanced catalytic performance for selective oxidation of propene with O ₂ over bimetallic Au-Cu/SiO ₂ catalysts. Rare Metals, 2021, 40, 1056-1066.	3.6	10
14	Ambient Temperature Formaldehyde Oxidation on the Pt/Na-ZSM-5 Catalyst: Tuning Adsorption Capacity and the Pt Chemical State. Industrial & Engineering Chemistry Research, 2021, 60, 7132-7144.	1.8	13
15	Direct oxidation of methane to oxygenates on supported single Cu atom catalyst. Applied Catalysis B: Environmental, 2021, 285, 119827.	10.8	72
16	Significant Improvement of Catalytic Performance for Chlorinated Volatile Organic Compound Oxidation over RuO _x Supported on Acid-Etched Co ₃ O ₄ . Environmental Science & Technology, 2021, 55, 10734-10743.	4.6	97
17	Understanding the three-way catalytic reaction on Pd/CeO ₂ by tuning the chemical state of Pd. Applied Surface Science, 2021, 556, 149766.	3.1	26
18	Confinement of subnanometric PdCo bimetallic oxide clusters in zeolites for methane complete oxidation. Chemical Engineering Journal, 2021, 418, 129398.	6.6	40

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19	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.	1.3	3
20	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.	1.5	4
21	NixAl ₁₀ O ₂ - γ 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.	10.8	93
22	Investigation into Enhanced Catalytic Performance for Epoxidation of Styrene over LaSrCo _x Fe ₂ O ₆ Double Perovskites: The Role of Singlet Oxygen Species Promoted by the Photothermal Effect. <i>ACS Catalysis</i> , 2021, 11, 11855-11866.	5.5	30
23	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.	1.4	12
24	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.	2.2	14
25	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.	4.0	18
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.	10.8	99
27	Geometric effect of Au nanoclusters on room temperature CO oxidation. <i>Chemical Communications</i> , 2020, 56, 876-879.	2.2	8
28	CO catalytic oxidation over Pd/CeO ₂ with different chemical states of Pd. <i>Rare Metals</i> , 2020, 39, 800-805.	3.6	30
29	Sb-Containing Metal Oxide Catalysts for the Selective Catalytic Reduction of NO _x with NH ₃ . <i>Catalysts</i> , 2020, 10, 1154.	1.6	8
30	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.	10.8	15
31	Identification of Active Area as Active Center for CO Oxidation over Single Au Atom Catalyst. <i>ACS Catalysis</i> , 2020, 10, 6094-6101.	5.5	106
32	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.	2.1	21
33	Titania-Samarium-Manganese Composite Oxide for the Low-Temperature Selective Catalytic Reduction of NO with NH ₃ . <i>Environmental Science & Technology</i> , 2020, 54, 2530-2538.	4.6	75
34	A novel method for the synthesis of CexZr1-xO ₂ solid solution with high purity of δ phase and excellent reactive activity. <i>Catalysis Today</i> , 2019, 327, 262-270.	2.2	20
35	Al ₂ O ₃ supported hybrid Pd CeO ₂ colloidal spheres and its enhanced catalytic performances for methane combustion. <i>Journal of Rare Earths</i> , 2019, 37, 714-719.	2.5	11
36	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.	5.5	99

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37	Ambient Temperature NO Adsorber Derived from Pyrolysis of Co-MOF(ZIF-67). ACS Omega, 2019, 4, 9542-9551.	1.6	18
38	An efficient Sn Mn1-O composite oxide catalyst for catalytic combustion of vinyl chloride emissions. Applied Catalysis B: Environmental, 2019, 255, 117748.	10.8	64
39	Ru/CeO ₂ Catalyst with Optimized CeO ₂ Support Morphology and Surface Facets for Propane Combustion. Environmental Science & Technology, 2019, 53, 5349-5358.	4.6	228
40	Taming the stability of Pd active phases through a compartmentalizing strategy toward nanostructured catalyst supports. Nature Communications, 2019, 10, 1611.	5.8	168
41	Thermal stability of Si-doped V2O5/WO3@TiO2 for selective catalytic reduction of NOx by NH3. Rare Metals, 2019, 38, 292-298.	3.6	23
42	Catalytic wet oxidation of N,N-dimethyl formamide over ruthenium supported on CeO2 and Ce0.7Zr0.3O2 catalysts. Journal of Rare Earths, 2019, 37, 265-272.	2.5	9
43	Ultrathin, Polycrystalline, Two-Dimensional Co ₃ O ₄ for Low-Temperature CO Oxidation. ACS Catalysis, 2019, 9, 2558-2567.	5.5	116
44	The relationship between the chemical state of Pd species and the catalytic activity for methane combustion on Pd/CeO ₂ . Catalysis Science and Technology, 2018, 8, 2567-2577.	2.1	103
45	Hydrothermal synthesis of NiCeOx nanosheets and its application to the total oxidation of propane. Applied Catalysis B: Environmental, 2018, 225, 110-120.	10.8	149
46	Ruthenium oxides supported on heterostructured CoPO-MCF materials for catalytic oxidation of vinyl chloride emissions. Journal of Hazardous Materials, 2018, 342, 290-296.	6.5	23
47	Spinel structured CoMnOx mixed oxide catalyst for the selective catalytic reduction of NOx with NH3. Applied Catalysis B: Environmental, 2018, 221, 652-663.	10.8	204
48	Preparation of lamellar-stacked TS-1 and its catalytic performance for the ammoxidation of butanone with H2O2. Journal of Materials Science, 2018, 53, 4034-4045.	1.7	14
49	Total Oxidation of Propane over a Ru/CeO ₂ Catalyst at Low Temperature. Environmental Science & Technology, 2018, 52, 9531-9541.	4.6	165
50	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. Applied Catalysis B: Environmental, 2018, 239, 373-382.	10.8	76
51	A highly effective catalyst of Co-CeO ₂ for the oxidation of diesel soot: The excellent NO oxidation activity and NOx storage capacity. Applied Catalysis A: General, 2017, 535, 1-8.	2.2	74
52	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. Applied Catalysis B: Environmental, 2017, 209, 33-44.	10.8	103
53	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.	5.2	29
54	Crystal Structural Effect of AuCu Alloy Nanoparticles on Catalytic CO Oxidation. Journal of the American Chemical Society, 2017, 139, 8846-8854.	6.6	181

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55	Deoxygenation of coal bed methane on LaCoO ₃ perovskite catalyst: the structure evolution and catalytic performance. RSC Advances, 2017, 7, 15211-15221.	1.7	15
56	Surfactant-Assisted Stabilization of Au Colloids on Solids for Heterogeneous Catalysis. Angewandte Chemie - International Edition, 2017, 56, 4494-4498.	7.2	129
57	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.	2.1	52
58	Preparation of LaMnO ₃ for catalytic combustion of vinyl chloride. Chinese Journal of Catalysis, 2017, 38, 1406-1412.	6.9	23
59	In situ assembly of ultrafine Mn ₃ O ₄ nanoparticles into MIL-101 for selective aerobic oxidation. Catalysis Science and Technology, 2017, 7, 4136-4144.	2.1	20
60	Catalytic Performance of MgO-Supported Co Catalyst for the Liquid Phase Oxidation of Cyclohexane with Molecular Oxygen. Catalysts, 2017, 7, 155.	1.6	27
61	Catalytic performance of Co-Fe mixed oxide for NH ₃ -SCR reaction and the promotional role of cobalt. RSC Advances, 2016, 6, 66169-66179.	1.7	29
62	Fe-Beta zeolite for selective catalytic reduction of NO _x with NH ₃ : Influence of Fe content. Chinese Journal of Catalysis, 2016, 37, 2069-2078.	6.9	49
63	Sandwich-like PdO/CeO ₂ nanosheet@HZSM-5 membrane hybrid composite for methane combustion: self-redispersion, sintering-resistance and oxygen, water-tolerance. Nanoscale, 2016, 8, 9621-9628.	2.8	62
64	A Sacrificial Coating Strategy Toward Enhancement of Metal-Support Interaction for Ultrastable Au Nanocatalysts. Journal of the American Chemical Society, 2016, 138, 16130-16139.	6.6	217
65	Surfactant-Mediated One-Pot Method To Prepare Pd-CeO ₂ Colloidal Assembled Spheres and Their Enhanced Catalytic Performance for CO Oxidation. ACS Omega, 2016, 1, 118-126.	1.6	19
66	Origin of Efficient Catalytic Combustion of Methane over Co ₃ O ₄ (110): Active Low-Coordination Lattice Oxygen and Cooperation of Multiple Active Sites. ACS Catalysis, 2016, 6, 5508-5519.	5.5	116
67	An effective Mn-Co mixed oxide catalyst for the solvent-free selective oxidation of cyclohexane with molecular oxygen. Applied Catalysis A: General, 2016, 523, 97-106.	2.2	81
68	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.	2.1	31
69	Low-Temperature Methane Combustion over Pd/H-ZSM-5: Active Pd Sites with Specific Electronic Properties Modulated by Acidic Sites of H-ZSM-5. ACS Catalysis, 2016, 6, 8127-8139.	5.5	212
70	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
71	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.	5.5	505
72	The promotional role of Ce in Cu/ZSM-5 and in situ surface reaction for selective catalytic reduction of NO _x with NH ₃ . RSC Advances, 2015, 5, 90235-90244.	1.7	98

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73	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.	5.5	457
74	Effect of TiO ₂ crystal structure on the catalytic performance of Co ₃ O ₄ /TiO ₂ catalyst for low-temperature CO oxidation. Catalysis Science and Technology, 2014, 4, 1268-1275.	2.1	142
75	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.	10.8	146
76	Promoting Effects of In ₂ O ₃ on Co ₃ O ₄ for CO Oxidation: Tuning O ₂ Activation and CO Adsorption Strength Simultaneously. ACS Catalysis, 2014, 4, 4143-4152.	5.5	250
77	Ultralow-temperature CO oxidation on an In ₂ O ₃ –Co ₃ O ₄ catalyst: a strategy to tune CO adsorption strength and oxygen activation simultaneously. Chemical Communications, 2014, 50, 6835-6838.	2.2	73
78	Current status and perspectives of rare earth catalytic materials and catalysis. Chinese Journal of Catalysis, 2014, 35, 1238-1250.	6.9	120
79	The effects of the Pd chemical state on the activity of Pd/Al ₂ O ₃ catalysts in CO oxidation. Catalysis Science and Technology, 2014, 4, 3973-3980.	2.1	73
80	Synthesis and catalytic ammoxidation performance of hierarchical TS-1 prepared by steam-assisted dry gel conversion method: the effect of TPAOH amount. Journal of Materials Science, 2014, 49, 4341-4348.	1.7	16
81	Catalytic oxidation of vinyl chloride emission over LaMnO ₃ and LaB _{0.2} Mn _{0.8} O ₃ (B=Co, Ni, Fe) catalysts. Applied Catalysis B: Environmental, 2013, 129, 509-516.	10.8	270
82	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. Applied Catalysis B: Environmental, 2013, 134-135, 310-315.	10.8	114
83	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.	5.5	338
84	High Performance and Stability of the Pt/W/ZSM-5 Catalyst for the Total Oxidation of Propane: The Role of Tungsten. ChemCatChem, 2013, 5, 2495-2503.	1.8	44
85	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.	3.1	179
86	Structural Origin: Water Deactivates Metal Oxides to CO Oxidation and Promotes Low-Temperature CO Oxidation with Metals. Angewandte Chemie - International Edition, 2012, 51, 6657-6661.	7.2	119
87	The role of potassium in K/Co ₃ O ₄ for soot combustion under loose contact. Catalysis Today, 2011, 175, 100-105.	2.2	63
88	Efficient low-temperature catalytic combustion of trichloroethylene over flower-like mesoporous Mn-doped CeO ₂ microspheres. Applied Catalysis B: Environmental, 2011, 102, 475-483.	10.8	198
89	Synthesis of lanthanum or La-B doped KIT-6 mesoporous materials and their application in the catalytic oxidation of styrene. Journal of Rare Earths, 2010, 28, 369-375.	2.5	19
90	Preparation of CexZr1-xO ₂ (x=0.75, 0.62) solid solution and its application in Pd-only three-way catalysts. Catalysis Today, 2007, 126, 296-302.	2.2	88