

# Li Wang

## List of Publications by Year in descending order

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67  
papers

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citations

117625

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98798

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docs citations

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times ranked

3526  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Highly Effective Catalyst of Sm-MnO <sub>x</sub> for the NH <sub>3</sub> -SCR of NO <sub>x</sub> at Low Temperature: Promotional Role of Sm and Its Catalytic Performance. ACS Catalysis, 2015, 5, 5973-5983.	11.2	457
2	Promoting Effects of In <sub>2</sub> O <sub>3</sub> on Co <sub>3</sub> O <sub>4</sub> for CO Oxidation: Tuning O <sub>2</sub> Activation and CO Adsorption Strength Simultaneously. ACS Catalysis, 2014, 4, 4143-4152.	11.2	250
3	Ru/CeO <sub>2</sub> Catalyst with Optimized CeO <sub>2</sub> Support Morphology and Surface Facets for Propane Combustion. Environmental Science & Technology, 2019, 53, 5349-5358.	10.0	228
4	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
5	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.	11.2	212
6	Spinel structured CoMnOx mixed oxide catalyst for the selective catalytic reduction of NOx with NH3. Applied Catalysis B: Environmental, 2018, 221, 652-663.	20.2	204
7	Taming the stability of Pd active phases through a compartmentalizing strategy toward nanostructured catalyst supports. Nature Communications, 2019, 10, 1611.	12.8	168
8	Total Oxidation of Propane over a Ru/CeO <sub>2</sub> Catalyst at Low Temperature. Environmental Science & Technology, 2018, 52, 9531-9541.	10.0	165
9	Hydrothermal synthesis of NiCeOx nanosheets and its application to the total oxidation of propane. Applied Catalysis B: Environmental, 2018, 225, 110-120.	20.2	149
10	Low-temperature CO oxidation over Co <sub>3</sub> O <sub>4</sub> -based catalysts: Significant promoting effect of Bi <sub>2</sub> O <sub>3</sub> on Co <sub>3</sub> O <sub>4</sub> catalyst. Applied Catalysis B: Environmental, 2014, 146, 43-49.	20.2	146
11	Surfactant-Assisted Stabilization of Au Colloids on Solids for Heterogeneous Catalysis. Angewandte Chemie - International Edition, 2017, 56, 4494-4498.	13.8	129
12	Identification of Active Area as Active Center for CO Oxidation over Single Au Atom Catalyst. ACS Catalysis, 2020, 10, 6094-6101.	11.2	106
13	Activity and stability of Co <sub>3</sub> O <sub>4</sub> -based catalysts for soot oxidation: The enhanced effect of Bi <sub>2</sub> O <sub>3</sub> on activation and transfer of oxygen. Applied Catalysis B: Environmental, 2017, 209, 33-44.	20.2	103
14	The relationship between the chemical state of Pd species and the catalytic activity for methane combustion on Pd/CeO <sub>2</sub> . Catalysis Science and Technology, 2018, 8, 2567-2577.	4.1	103
15	A Facile Way To Improve Pt Atom Efficiency for CO Oxidation at Low Temperature: Modification by Transition Metal Oxides. ACS Catalysis, 2019, 9, 6177-6187.	11.2	99
16	Superior catalytic activity of a Pd catalyst in methane combustion by fine-tuning the phase of ceria-zirconia support. Applied Catalysis B: Environmental, 2020, 266, 118631.	20.2	99
17	Significant Improvement of Catalytic Performance for Chlorinated Volatile Organic Compound Oxidation over RuO <sub>x</sub> Supported on Acid-Etched Co <sub>3</sub> O <sub>4</sub> . Environmental Science & Technology, 2021, 55, 10734-10743.	10.0	97
18	NixAl <sub>10</sub> O <sub>2</sub> - $\gamma$ mesoporous catalysts for dry reforming of methane: The special role of NiAl <sub>2</sub> O <sub>4</sub> spinel phase and its reaction mechanism. Applied Catalysis B: Environmental, 2021, 291, 120074.	20.2	93

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19	CeO <sub>2</sub> supported Pd dimers boosting CO <sub>2</sub> hydrogenation to ethanol. Applied Catalysis B: Environmental, 2021, 291, 120122.	20.2	88
20	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.	20.2	85
21	The effects of Bi <sub>2</sub> O <sub>3</sub> on the CO oxidation over Co <sub>3</sub> O <sub>4</sub> . Catalysis Today, 2011, 175, 610-614.	4.4	83
22	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.	4.3	81
23	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.	20.2	76
24	Titanium-Samarium-Manganese Composite Oxide for the Low-Temperature Selective Catalytic Reduction of NO with NH <sub>3</sub> . Environmental Science & Technology, 2020, 54, 2530-2538.	10.0	75
25	Ultralow-temperature CO oxidation on an In <sub>2</sub> O <sub>3</sub> -Co <sub>3</sub> O <sub>4</sub> catalyst: a strategy to tune CO adsorption strength and oxygen activation simultaneously. Chemical Communications, 2014, 50, 6835-6838.	4.1	73
26	The effects of the Pd chemical state on the activity of Pd/Al <sub>2</sub> O <sub>3</sub> catalysts in CO oxidation. Catalysis Science and Technology, 2014, 4, 3973-3980.	4.1	73
27	Direct oxidation of methane to oxygenates on supported single Cu atom catalyst. Applied Catalysis B: Environmental, 2021, 285, 119827.	20.2	72
28	A highly effective catalyst of Sm-Mn mixed oxide for the selective catalytic reduction of NO <sub>x</sub> with ammonia: Effect of the calcination temperature. Journal of Molecular Catalysis A, 2016, 420, 272-281.	4.8	66
29	Total Oxidation of Light Alkane over Phosphate-Modified Pt/CeO <sub>2</sub> Catalysts. Environmental Science & Technology, 2022, 56, 9661-9671.	10.0	65
30	An efficient Sn Mn <sub>1-x</sub> O composite oxide catalyst for catalytic combustion of vinyl chloride emissions. Applied Catalysis B: Environmental, 2019, 255, 117748.	20.2	64
31	The role of potassium in K/Co <sub>3</sub> O <sub>4</sub> for soot combustion under loose contact. Catalysis Today, 2011, 175, 100-105.	4.4	63
32	The existing states of potassium species in K-doped Co <sub>3</sub> O <sub>4</sub> catalysts and their influence on the activities for NO and soot oxidation. Catalysis Science and Technology, 2017, 7, 4710-4719.	4.1	52
33	Confinement of subnanometric PdCo bimetallic oxide clusters in zeolites for methane complete oxidation. Chemical Engineering Journal, 2021, 418, 129398.	12.7	40
34	Catalytic combustion of methane over Pd/SnO <sub>2</sub> catalysts. Chinese Journal of Catalysis, 2017, 38, 1322-1329.	14.0	38
35	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
36	Soot combustion over Ag catalysts supported on shape-controlled CeO <sub>2</sub> . Catalysis Today, 2021, 376, 9-18.	4.4	35

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37	Effect of surface properties of activated carbon on CO oxidation over supported Wacker-type catalysts. <i>Catalysis Today</i> , 2010, 153, 184-188.	4.4	33
38	The stability and deactivation of Pd-Cu-Cl/Al <sub>2</sub> O <sub>3</sub> catalyst for low temperature CO oxidation: an effect of moisture. <i>Catalysis Science and Technology</i> , 2011, 1, 1202.	4.1	32
39	A highly-efficient La-MnO <sub>x</sub> catalyst for propane combustion: the promotional role of La and the effect of the preparation method. <i>Catalysis Science and Technology</i> , 2016, 6, 8222-8233.	4.1	31
40	CO catalytic oxidation over Pd/CeO <sub>2</sub> with different chemical states of Pd. <i>Rare Metals</i> , 2020, 39, 800-805.	7.1	30
41	Catalytic performance of Co-Fe mixed oxide for NH <sub>3</sub> -SCR reaction and the promotional role of cobalt. <i>RSC Advances</i> , 2016, 6, 66169-66179.	3.6	29
42	Understanding the three-way catalytic reaction on Pd/CeO <sub>2</sub> by tuning the chemical state of Pd. <i>Applied Surface Science</i> , 2021, 556, 149766.	6.1	26
43	Thermal stability of Si-doped V <sub>2</sub> O <sub>5</sub> /WO <sub>3</sub> -TiO <sub>2</sub> for selective catalytic reduction of NO <sub>x</sub> by NH <sub>3</sub> . <i>Rare Metals</i> , 2019, 38, 292-298.	7.1	23
44	A novel method for the synthesis of CexZr1-xO <sub>2</sub> solid solution with high purity of Î¸ phase and excellent reactive activity. <i>Catalysis Today</i> , 2019, 327, 262-270.	4.4	20
45	Ambient Temperature NO Adsorber Derived from Pyrolysis of Co-MOF(ZIF-67). <i>ACS Omega</i> , 2019, 4, 9542-9551.	3.5	18
46	Spherical Ni Nanoparticles Supported by Nanosheet-Assembled Al <sub>2</sub> O <sub>3</sub> for Dry Reforming of CH <sub>4</sub> : Elucidating the Induction Period and Its Excellent Resistance to Coking. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 58605-58618.	8.0	18
47	Understanding the role of redox properties and NO adsorption over MnFeO <sub>x</sub> for NH <sub>3</sub> -SCR. <i>Catalysis Science and Technology</i> , 2022, 12, 2030-2041.	4.1	16
48	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
49	Catalytic combustion of vinyl chloride emissions over Co <sub>3</sub> O <sub>4</sub> catalysts with different crystallite sizes. <i>Rare Metals</i> , 2021, 40, 817-827.	7.1	15
50	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
51	Low-temperature catalytic combustion of trichloroethylene over MnO-CeO <sub>2</sub> mixed oxide catalysts. <i>Journal of Rare Earths</i> , 2023, 41, 523-530.	4.8	14
52	Ambient Temperature Formaldehyde Oxidation on the Pt/Na-ZSM-5 Catalyst: Tuning Adsorption Capacity and the Pt Chemical State. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 7132-7144.	3.7	13
53	Robust nanosheet-assembled Al <sub>2</sub> O <sub>3</sub> -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
54	The effects of the presence of metal Fe in the CO oxidation over Ir/FeO <sub>x</sub> catalyst. <i>Catalysis Communications</i> , 2015, 61, 83-87.	3.3	10

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55	Stability of Pd-Cu-Cl <sub>x</sub> /Al <sub>2</sub> O <sub>3</sub> catalyst for CO oxidation. Chinese Journal of Catalysis, 2018, 39, 1560-1567.	14.0	10
56	Sm-MnO catalysts for low-temperature selective catalytic reduction of NO with NH <sub>3</sub> : Effect of precipitation agent. Journal of Rare Earths, 2022, 40, 1199-1210.	4.8	10
57	CH <sub>2</sub> Cl <sub>2</sub> catalytic oxidation over Ce-Ti-Zr mixed oxide catalysts. Applied Catalysis A: General, 2022, 629, 118420.	4.3	9
58	Sb-Containing Metal Oxide Catalysts for the Selective Catalytic Reduction of NO <sub>x</sub> with NH <sub>3</sub> . Catalysts, 2020, 10, 1154.	3.5	8
59	Surface pits stabilized Au catalyst for low-temperature CO oxidation. Rare Metals, 2022, 41, 3060-3068.	7.1	7
60	Understanding the role of tungsten on Pt/CeO <sub>2</sub> for vinyl chloride catalytic combustion. Journal of Rare Earths, 2022, 40, 1462-1470.	4.8	6
61	Regulating the Spatial Distribution of Ru Nanoparticles on CeO <sub>2</sub> Support for Enhanced Propane Oxidation. ACS Applied Nano Materials, 2022, 5, 3937-3945.	5.0	6
62	The experiment and modeling of supported Wacker-type catalyst for CO oxidation at high relative humidity. Catalysis Today, 2015, 242, 315-321.	4.4	4
63	Insight into the Surface-Tuned Activity and Cl <sub>2</sub> /HCl Selectivity in the Catalytic Oxidation of Vinyl Chloride over Co <sub>3</sub> O <sub>4</sub> (110) versus (001): A DFT Study. Journal of Physical Chemistry C, 2021, 125, 16975-16983.	3.1	4
64	Low-Temperature NH <sub>3</sub> -SCR on Ce <sub>x</sub> -Mn-Ti <sub>y</sub> Mixed Oxide Catalysts: Improved Performance by the Mutual Effect between Ce and Ti. Catalysts, 2022, 12, 471.	3.5	4
65	A new strategy to improve catalytic activity for chlorinated volatile organic compounds oxidation over cobalt oxide: Introduction of strontium carbonate. Journal of the Indian Chemical Society, 2021, 98, 100116.	2.8	3
66	Mechanochemical NaCl-mediated Synthesis of Porous Cu <sub>x</sub> Mo <sub>1-x</sub> O <sub>y</sub> Catalyst for Knoevenagel Condensation. Industrial & Engineering Chemistry Research, 2021, 60, 17778-17785.	3.7	3
67	Electronic Metal-Support Interactions Between Cu <sub>x</sub> O and ZnO for Cu <sub>x</sub> O/ZnO Catalysts With Enhanced CO Oxidation Activity. Frontiers in Chemistry, 2022, 10, .	3.6	3