Yuesong Shen

List of Publications by Year
in descending order

61 papers	1,333 citations	394421 19 h-index	395702 33 g-index
61 all docs	61 docs citations	61 times ranked	1365 citing authors

#	Article	IF	Citations
1	A novel catalyst of CeO2/Al2O3 for selective catalytic reduction of NO by NH3. Catalysis Communications, 2009, 11, 20-23.	3.3	149
2	Small-scale reforming of diesel and jet fuels to make hydrogen and syngas for fuel cells: A review. Applied Energy, 2013, 108, 202-217.	10.1	115
3	Selective adsorption for removing sulfur: a potential ultra-deep desulfurization approach of jet fuels. RSC Advances, 2012, 2, 1700-1711.	3.6	65
4	Promotional effect of zirconium additives on Ti0.8Ce0.2O2for selective catalytic reduction of NO. Catalysis Science and Technology, 2012, 2, 589-599.	4.1	57
5	Effect of fluorine additive on CeO2(ZrO2)/TiO2 for selective catalytic reduction of NO by NH3. Journal of Colloid and Interface Science, 2017, 487, 401-409.	9.4	46
6	Novel TiO2 catalyst carriers with high thermostability for selective catalytic reduction of NO by NH3. Catalysis Today, 2019, 327, 279-287.	4.4	38
7	Deactivation mechanism of potassium additives on Ti0.8Zr0.2Ce0.2O2.4 for NH3-SCR of NO. Catalysis Science and Technology, 2012, 2, 1806.	4.1	37
8	Resource utilization of waste V2O5-based deNOx catalysts for hydrogen production from formaldehyde and water via steam reforming. Journal of Hazardous Materials, 2020, 381, 120934.	12.4	34
9	Regeneration of the deactivated TiO2-ZrO2-CeO2/ATS catalyst for NH3-SCR of NO in glass furnace. Journal of Rare Earths, 2013, 31, 130-136.	4.8	29
10	Supported Niâ€“Laâ€“O_xfor catalytic decomposition of N₂O I: component optimization and synergy. RSC Advances, 2014, 4, 29107.	3.6	29
11	Promotional effects of Er incorporation in CeO2(ZrO2)/TiO2 for selective catalytic reduction of NO by NH3. Chinese Journal of Catalysis, 2016, 37, 1521-1528.	14.0	28
12	Synergetic catalytic removal of Hg0 and NO over CeO2(ZrO2)/TiO2. Catalysis Communications, 2016, 82, 55-60.	3.3	28
13	Smart paper transformer: new insight for enhanced catalytic efficiency and reusability of noble metal nanocatalysts. Chemical Science, 2020, 11, 2915-2925.	7.4	25
14	Synergetic catalysis of ceria and titania for selective reduction of NO. Journal of Rare Earths, 2012, 30, 431-436.	4.8	24
15	Synergistic catalytic removals of NO, CO and C3H8 over CeSn0.8W0.6O /TiAl0.2Si0.1O. Fuel, 2016, 180, 727-736.	6.4	24
16	Novel W Zr Ox/TiO2 catalyst for selective catalytic reduction of NO by NH3 at high temperature. Catalysis Today, 2020, 358, 254-262.	4.4	24
17	Effect of praseodymium additive on CeO2(ZrO2)/TiO2 for selective catalytic reduction of NO by NH3. Journal of Rare Earths, 2016, 34, 1111-1120.	4.8	22
18	Pyridinic N: A special group for enhancing direct decomposition reaction of NO over N-doped porous carbon. Microporous and Mesoporous Materials, 2018, 265, 98-103.	4.4	21

#	Article	IF	Citations
19	A novel catalyst of silicon cerium complex oxides for selective catalytic reduction of NO by NH3. Journal of Rare Earths, 2010, 28, 721-726.	4.8	20
20	Transition metal ions regulate the catalytic performance of Ti_{0.8}M_{0.2}Ce_{0.2}O_{2+x} for the NH₃-SCR of NO: the acidic mechanism. RSC Advances, 2015, 5, 7597-7603.	3.6	19
21	N-doped graphene as a potential catalyst for the direct catalytic decomposition of NO. Catalysis Communications, 2017, 94, 29-32.	3.3	19
22	Heteroatom-Doped Graphene for Efficient NO Decomposition by Metal-Free Catalysis. ACS Applied Materials & Interfaces, 2018, 10, 36202-36210.	8.0	19
23	NaCl-induced nickelâ€“cobalt inverse spinel structure for boosting hydrogen evolution from ethyl acetate and water. Journal of Materials Chemistry A, 2019, 7, 1700-1710.	10.3	19
24	High-efficiency steam reforming of methanol on the surface of a recyclable NiO/NaF catalyst for hydrogen production. Composites Part B: Engineering, 2022, 243, 110113.	12.0	19
25	Praseodymium Oxide Modified CeO₂/Al₂O₃ Catalyst for Selective Catalytic Reduction of NO by NH₃. Chinese Journal of Chemistry, 2016, 34, 1283-1290.	4.9	18
26	Simultaneous catalytic removal of NO, mercury and chlorobenzene over WCeMnOx/TiO2â€“ZrO2: Performance study of microscopic morphology and phase composition. Chemosphere, 2022, 295, 133794.	8.2	18
27	Promotional effect of Ba additives on MnCeO_{<i>x</i>}/TiO₂ catalysts for NH₃-SCR of NO at low temperature. Journal of Materials Research, 2018, 33, 2414-2422.	2.6	17
28	Strong interaction between Au nanoparticles and porous polyurethane sponge enables efficient environmental catalysis with high reusability. Catalysis Today, 2020, 358, 246-253.	4.4	17
29	Rare earth ions (La, Nd, Sm, Gd, and Tm) regulate the catalytic performance of CeO₂/Al₂O₃ for NH₃-SCR of NO. Journal of Materials Research, 2017, 32, 2438-2445.	2.6	16
30	Autothermal reforming of ethyl acetate for hydrogen production over Ni 3 La 7 O y /Al 2 O 3 catalyst. Energy Conversion and Management, 2017, 146, 34-42.	9.2	16
31	Promoting effects of lanthanum oxide on the NiO/CeO2 catalyst for hydrogen production by autothermal reforming of ethanol. Catalysis Communications, 2018, 108, 12-16.	3.3	16
32	Promotional Effect of Molybdenum Additives on Catalytic Performance of CeO2/Al2O3 for Selective Catalytic Reduction of NOx. Catalysis Letters, 2016, 146, 1221-1230.	2.6	15
33	Ultrastrong composite film of Chitosan and silica-coated graphene oxide sheets. International Journal of Biological Macromolecules, 2017, 104, 936-943.	7.5	15
34	Component synergistic catalysis of Ce-Sn-W-Ba-Ox/TiO2 in selective catalytic reduction of NO with ammonia. Applied Surface Science, 2020, 512, 145757.	6.1	15
35	An Interface Optimization Strategy for g-C₃N₄-Based S-Scheme Heterojunction Photocatalysts. Langmuir, 2021, 37, 7254-7263.	3.5	15
36	Synergistic catalytic removals of NO, CO and HC over CeO 2 modified Mn-Mo-W-O x /TiO 2 -SiO 2 catalyst. Journal of Rare Earths, 2018, 36, 148-155.	4.8	14

#	Article	IF	Citations
37	Hydrogen production from formaldehyde steam reforming using recyclable NiO/NaF catalyst. International Journal of Hydrogen Energy, 2020, 45, 28752-28763.	7.1	14
38	Digital phase diagram and thermophysical properties of KNO 3 -NaNO 3 -Ca(NO 3) 2 ternary system for solar energy storage. Vacuum, 2017, 145, 225-233.	3.5	13
39	Novel porous ceramic sheet supported metal reactors for continuous-flow catalysis. Catalysis Today, 2020, 358, 324-332.	4.4	13
40	Catalytic removal of NO and dioxins over W-Zr-Ox/Ti-Ce-Mn-Ox from flue gas: Performance and mechanism study. Catalysis Today, 2022, 388-389, 372-382.	4.4	13
41	A new hypothesis of micro-region acid sites regarding the surface acidity of binary oxides. RSC Advances, 2012, 2, 5957.	3.6	12
42	The influence factors on CeSn 0.8 W 0.6 O x /TiO 2 for catalytic removals of NO, CO and C 3 H 8. Journal of Industrial and Engineering Chemistry, 2017, 51, 229-236.	5.8	12
43	Key Role of Lanthanum Oxychloride: Promotional Effects of Lanthanum in NiLaO<i>_y</i>/NaCl for Hydrogen Production from Ethyl Acetate and Water. Small, 2018, 14, e1800927.	10.0	12
44	Hydrogen production from formaldehyde steam reforming using recyclable NiO/NaCl catalyst. Applied Surface Science, 2020, 532, 147376.	6.1	12
45	Recyclable regeneration of NiO/NaF catalyst: Hydrogen evolution via steam reforming of oxygen-containing volatile organic compounds. Energy Conversion and Management, 2022, 258, 115456.	9.2	12
46	Promotional effect of phosphorylation on CeSn0.8W0.6Ox/TiAl0.2Si0.1Oy for NH3-SCR of NO from marine diesel exhaust. Journal of Rare Earths, 2016, 34, 1010-1016.	4.8	11
47	Resource utilization of waste CeO2-based deNOx composite catalysts for hydrogen production via steam reforming. Composites Part B: Engineering, 2019, 178, 107483.	12.0	11
48	Catalytic removal of NO and chlorobenzene over Ce-Mn-W-Zr-Ox/TiO2: Performance study of hollow spheres effect. Fuel, 2021, 305, 121534.	6.4	11
49	Novel CeMo_xO_y-clay hybrid catalysts with layered structure for selective catalytic reduction of NO_x by NH₃. RSC Advances, 2018, 8, 2586-2592.	3.6	10
50	Promotional effects of Ce4+, La3+ and Nd3+ incorporations on catalytic performance of Cuâ€“Feâ€“O for decomposition of N2O. Journal of Industrial and Engineering Chemistry, 2015, 30, 98-105.	5.8	9
51	Controllable synthesis of carbon nanotubes via autothermal reforming of ethyl acetate. Materials and Design, 2018, 141, 150-158.	7.0	9
52	NaCl induced active hcp Co nanosheet for hydrogen production and formaldehyde abatement by formaldehyde steam reforming. Chemical Engineering Journal, 2022, 433, 134600.	12.7	9
53	High-temperature selective catalytic reduction of NO with NH3: Optimization of ZrO2 and WO3 complex oxides. Fuel, 2022, 310, 122261.	6.4	8
54	Resource utilization of waste deNOx catalyst for continuous-flow catalysis by supported metal reactors. Molecular Catalysis, 2020, 480, 110634.	2.0	7

#	Article	IF	Citations
55	Cobalt and nitrogen co-doped mesoporous carbon for electrochemical hydrogen peroxide sensing: the effect of graphitization. Analyst, The, 2021, 146, 2313-2320.	3.5	7
56	Steam reforming of formaldehyde for generating hydrogen and coproducing carbon nanotubes for enhanced photosynthesis. Catalysis Science and Technology, 2020, 10, 4436-4447.	4.1	6
57	Calcination conditions and stability of supported Ni4La oxide for catalytic decomposition of N2O. RSC Advances, 2015, 5, 13212-13219.	3.6	5
58	Mesoporous Feâ€N x â€C Subâ€Microspheres for Highly Efficient Electrocatalytic Oxygen Reduction Reaction. ChemCatChem, 2021, 13, 4047-4054.	3.7	5
59	Layered-Template Synthesis of Graphene-like Fe-N-C Nanosheets for Highly Efficient Oxygen Reduction Reaction. Energy & Fuels, 2021, 35, 20349-20357.	5.1	5
60	Simultaneous catalytic oxidation of CO and Hg0 over Au/TiO2 catalysts: Structure and mechanism study. Molecular Catalysis, 2019, 479, 110633.	2.0	4
61	Universal strategy using environment-friendly inorganic compounds for the preparation of porous carbon nitride for efficient photocatalytic hydrogen production and environmental remediation. New Journal of Chemistry, 2021, 45, 4303-4310.	2.8	1