

Dianqing Li

List of Publications by Year in descending order

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175
papers

7,116
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44069

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177
times ranked

7499
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#	ARTICLE	IF	CITATIONS
1	Supported catalysts based on layered double hydroxides for catalytic oxidation and hydrogenation: general functionality and promising application prospects. <i>Chemical Society Reviews</i> , 2015, 44, 5291-5319.	38.1	306
2	Low-temperature hydrothermal synthesis of WO ₃ nanorods and their sensing properties for NO ₂ . <i>Journal of Materials Chemistry</i> , 2012, 22, 12643.	6.7	203
3	Ultra-sensitive ethanol gas sensors based on nanosheet-assembled hierarchical ZnO-In ₂ O ₃ heterostructures. <i>Journal of Hazardous Materials</i> , 2020, 391, 122191.	12.4	162
4	Synthesis mechanism and gas-sensing application of nanosheet-assembled tungsten oxide microspheres. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7927-7934.	10.3	153
5	Ultrathin and Vacancy-Rich CoAl-Layered Double Hydroxide/Graphite Oxide Catalysts: Promotional Effect of Cobalt Vacancies and Oxygen Vacancies in Alcohol Oxidation. <i>ACS Catalysis</i> , 2018, 8, 3104-3115.	11.2	149
6	Electrocatalytic Cobalt Nanoparticles Interacting with Nitrogen-Doped Carbon Nanotube in Situ Generated from a Metal-Organic Framework for the Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 2541-2549.	8.0	137
7	Synthesis of MoO ₃ /reduced graphene oxide hybrids and mechanism of enhancing H ₂ S sensing performances. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 113-120.	7.8	135
8	Quantum-sized ZnO nanoparticles: Synthesis, characterization and sensing properties for NO ₂ . <i>Journal of Materials Chemistry</i> , 2011, 21, 12288.	6.7	131
9	Pd nanoparticles on hydrotalcite as an efficient catalyst for partial hydrogenation of acetylene: Effect of support acidic and basic properties. <i>Journal of Catalysis</i> , 2015, 331, 118-127.	6.2	126
10	Mechanism enhancing gas sensing and first-principle calculations of Al-doped ZnO nanostructures. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11335.	10.3	125
11	Recent Progress on Rational Design of Bimetallic Pd Based Catalysts and Their Advanced Catalysis. <i>ACS Catalysis</i> , 2020, 10, 13560-13583.	11.2	124
12	Interfacial Structure-Determined Reaction Pathway and Selectivity for 5-(Hydroxymethyl)furfural Hydrogenation over Cu-Based Catalysts. <i>ACS Catalysis</i> , 2020, 10, 1353-1365.	11.2	118
13	Facile synthesis of mesoporous hierarchical Co ₃ O ₄ @TiO ₂ heterojunctions with greatly enhanced gas sensing performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10387-10397.	10.3	116
14	Polythiophene-WO ₃ hybrid architectures for low-temperature H ₂ S detection. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 142-148.	7.8	111
15	Layered double hydroxide-derived Ni-Cu nanoalloy catalysts for semi-hydrogenation of alkynes: Improvement of selectivity and anti-coking ability via alloying of Ni and Cu. <i>Journal of Catalysis</i> , 2018, 359, 251-260.	6.2	111
16	Facile Synthesis and Acetone Sensing Performance of Hierarchical SnO ₂ Hollow Microspheres with Controllable Size and Shell Thickness. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 3588-3595.	3.7	103
17	On the construction of hollow nanofibers of ZnO-SnO ₂ heterojunctions to enhance the NO ₂ sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2018, 266, 692-702.	7.8	96
18	Layered and intercalated hydrotalcite-like materials as thermal stabilizers in PVC resin. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 998-1001.	4.0	93

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19	Partial hydrogenation of acetylene using highly stable dispersed bimetallic Pd-Ga/MgO-Al ₂ O ₃ catalyst. <i>Journal of Catalysis</i> , 2014, 309, 166-173.	6.2	92
20	Au-Pd nanoalloys supported on Mg-Al mixed metal oxides as a multifunctional catalyst for solvent-free oxidation of benzyl alcohol. <i>Dalton Transactions</i> , 2013, 42, 14498.	3.3	91
21	Gas sensing properties of Cd-doped ZnO nanofibers synthesized by the electrospinning method. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16697-16706.	10.3	86
22	Sensing performance and mechanism of Fe-doped ZnO microflowers. <i>Sensors and Actuators B: Chemical</i> , 2014, 195, 657-666.	7.8	85
23	Surface functionalization of Co ₃ O ₄ hollow spheres with ZnO nanoparticles for modulating sensing properties of formaldehyde. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 359-368.	7.8	82
24	Highly efficient PdAg catalyst using a reducible Mg-Ti mixed oxide for selective hydrogenation of acetylene: Role of acidic and basic sites. <i>Journal of Catalysis</i> , 2017, 348, 135-145.	6.2	81
25	Palladium phosphide nanoparticles as highly selective catalysts for the selective hydrogenation of acetylene. <i>Journal of Catalysis</i> , 2018, 364, 406-414.	6.2	80
26	Surface decoration of WO ₃ architectures with Fe ₂ O ₃ nanoparticles for visible-light-driven photocatalysis. <i>CrystEngComm</i> , 2014, 16, 3289.	2.6	78
27	Preparation of conducting films based on $\text{I}\pm\text{-MoO}_3/\text{PANI}$ hybrids and their sensing properties to triethylamine at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 131-138.	7.8	78
28	Size-controlled hydrothermal synthesis and high electrocatalytic performance of CoS ₂ nanocatalysts as non-precious metal cathode materials for fuel cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5741.	10.3	77
29	Catalytic performance of Pd-promoted Cu hydrotalcite-derived catalysts in partial hydrogenation of acetylene: effect of Pd-Cu alloy formation. <i>Catalysis Science and Technology</i> , 2016, 6, 3027-3037.	4.1	76
30	Fabrication of a PdAg mesocrystal catalyst for the partial hydrogenation of acetylene. <i>Journal of Catalysis</i> , 2015, 330, 61-70.	6.2	68
31	SnO ₂ @Co ₃ O ₄ heterostructures fabricated by electrospinning and mechanism analysis enhanced acetone sensing. <i>RSC Advances</i> , 2014, 4, 62862-62868.	3.6	65
32	Fabrication of supported PdAu nanoflower catalyst for partial hydrogenation of acetylene. <i>Journal of Catalysis</i> , 2014, 317, 263-271.	6.2	65
33	Identification of the Au/ZnO interface as the specific active site for the selective oxidation of the secondary alcohol group in glycerol. <i>Journal of Catalysis</i> , 2019, 369, 222-232.	6.2	65
34	The effect of oxygen vacancies in ZnO at an Au/ZnO interface on its catalytic selective oxidation of glycerol. <i>Journal of Catalysis</i> , 2019, 377, 271-282.	6.2	64
35	Fabrication and Bifunctional Electrocatalytic Performance of Ternary CoNiMn Layered Double Hydroxides/Polypyrrole/Reduced Graphene Oxide Composite for Oxygen Reduction and Evolution Reactions. <i>Electrochimica Acta</i> , 2017, 245, 59-68.	5.2	63
36	Pd/MgAl-LDH nanocatalyst with vacancy-rich sandwich structure: Insight into interfacial effect for selective hydrogenation. <i>Journal of Catalysis</i> , 2019, 370, 107-117.	6.2	62

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37	Room temperature triethylamine sensing properties of polyaniline@WO ₃ nanocomposites with p-n heterojunctions. RSC Advances, 2016, 6, 2687-2694.	3.6	61
38	Facile preparation of SnO ₂ /NiO composites and enhancement of sensing performance to NO ₂ . Sensors and Actuators B: Chemical, 2017, 249, 22-29.	7.8	59
39	Hydrotalcite-like MgMnTi non-precious-metal catalyst for solvent-free selective oxidation of alcohols. Journal of Catalysis, 2015, 331, 154-161.	6.2	58
40	Evolution of palladium sulfide phases during thermal treatments and consequences for acetylene hydrogenation. Journal of Catalysis, 2018, 364, 204-215.	6.2	58
41	Synthesis and selective IR absorption properties of iminodiacetic-acid intercalated MgAl-layered double hydroxide. Journal of Solid State Chemistry, 2010, 183, 1114-1119.	2.9	56
42	Highly selective and stable PdNi catalyst derived from layered double hydroxides for partial hydrogenation of acetylene. Applied Catalysis A: General, 2015, 500, 3-11.	4.3	55
43	Insight into the Effect of Dual Active Cu ⁰ /Cu ⁺ Sites in a Cu/ZnO-Al ₂ O ₃ Catalyst on 5-Hydroxymethylfurfural Hydrodeoxygenation. ACS Sustainable Chemistry and Engineering, 2020, 8, 15288-15298.	6.7	55
44	Improved thermal and photostability of an anthraquinone dye by intercalation in a zinc-aluminum layered double hydroxides host. Dyes and Pigments, 2011, 90, 253-258.	3.7	54
45	Doping Metal Elements of WO ₃ for Enhancement of NO ₂ -Sensing Performance at Room Temperature. Industrial & Engineering Chemistry Research, 2017, 56, 2616-2623.	3.7	53
46	Vacancy enriched ultrathin TiMgAl-layered double hydroxide/graphene oxides composites as highly efficient visible-light catalysts for CO ₂ reduction. Applied Catalysis B: Environmental, 2020, 270, 118878.	20.2	53
47	Template-free Synthesis of Large-Pore-Size Porous Magnesium Silicate Hierarchical Nanostructures for High-Efficiency Removal of Heavy Metal Ions. ACS Sustainable Chemistry and Engineering, 2017, 5, 2774-2780.	6.7	51
48	rGO modified nanoplate-assembled ZnO/CdO junction for detection of NO ₂ . Journal of Hazardous Materials, 2020, 394, 121832.	12.4	51
49	Adsorbate-Induced Structural Evolution of Pd Catalyst for Selective Hydrogenation of Acetylene. ACS Catalysis, 2020, 10, 15048-15059.	11.2	50
50	Preparation and structure-property relationships of supported trimetallic PdAuAg catalysts for the selective hydrogenation of acetylene. Journal of Catalysis, 2016, 344, 854-864.	6.2	49
51	Novel γ -Fe ₂ O ₃ /BiVO ₄ heterojunctions for enhancing NO ₂ sensing properties. Sensors and Actuators B: Chemical, 2018, 268, 136-143.	7.8	49
52	Carboxyl-directed hydrothermal synthesis of WO ₃ nanostructures and their morphology-dependent gas-sensing properties. CrystEngComm, 2014, 16, 10210-10217.	2.6	47
53	Photoanode of LDH catalyst decorated semiconductor heterojunction of BiVO ₄ /CdS to enhance PEC water splitting efficiency. International Journal of Hydrogen Energy, 2019, 44, 24642-24652.	7.1	46
54	Insight into the Role of Unsaturated Coordination O _{2c} -Ti _{5c} -O _{2c} Sites on Selective Glycerol Oxidation over AuPt/TiO ₂ Catalysts. ACS Catalysis, 2019, 9, 188-199.	11.2	45

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55	Support morphology effect on the selective oxidation of glycerol over AuPt/CeO ₂ catalysts. Journal of Catalysis, 2020, 385, 146-159.	6.2	45
56	Synthesis and Gas Sensing Performance of Dandelion-Like ZnO with Hierarchical Porous Structure. Industrial & Engineering Chemistry Research, 2014, 53, 12737-12743.	3.7	43
57	Novel Carbon Paper@Magnesium Silicate Composite Porous Films: Design, Fabrication, and Adsorption Behavior for Heavy Metal Ions in Aqueous Solution. ACS Applied Materials & Interfaces, 2018, 10, 22776-22785.	8.0	43
58	Enhancement of the Thermo- and Photostability of an Anionic Dye by Intercalation in a Zinc-Aluminum Layered Double Hydroxide Host. Industrial & Engineering Chemistry Research, 2008, 47, 2478-2483.	3.7	41
59	rGO decorated W doped BiVO ₄ novel material for sensing detection of trimethylamine. Sensors and Actuators B: Chemical, 2019, 298, 126749.	7.8	41
60	Hexamethylene tetramine-assisted hydrothermal synthesis of porous magnesium oxide for high-efficiency removal of phosphate in aqueous solution. Journal of Environmental Chemical Engineering, 2017, 5, 4649-4655.	6.7	39
61	Recent Progress on Adsorption Materials for Phosphate Removal. Recent Patents on Nanotechnology, 2019, 13, 3-16.	1.3	39
62	Novel p-n heterojunction of BiVO ₄ /Cu ₂ O decorated with rGO for low concentration of NO ₂ detection. Sensors and Actuators B: Chemical, 2020, 320, 128284.	7.8	38
63	Synthesis and UV absorption properties of 5, 5'-thiodisalicylic acid intercalated Zn-Al layered double hydroxides. Polymer Degradation and Stability, 2010, 95, 2082-2087.	5.8	37
64	An integrating photoanode consisting of BiVO ₄ , rGO and LDH for photoelectrochemical water splitting. Dalton Transactions, 2019, 48, 16091-16098.	3.3	37
65	Ethylene glycol-assisted fabrication and superb adsorption capacity of hierarchical porous flower-like magnesium oxide microspheres for phosphate. Inorganic Chemistry Frontiers, 2019, 6, 1952-1961.	6.0	37
66	Metal Phosphides and Sulfides in Heterogeneous Catalysis: Electronic and Geometric Effects. ACS Catalysis, 2021, 11, 9102-9127.	11.2	36
67	Highly Selective and Stable Isolated Non-Noble Metal Atom Catalysts for Selective Hydrogenation of Acetylene. ACS Catalysis, 2022, 12, 607-615.	11.2	36
68	Synthesis of a highly dispersed CuO catalyst on CoAl-HT for the epoxidation of styrene. Dalton Transactions, 2017, 46, 13463-13471.	3.3	35
69	Co ²⁺ intercalation of Acid Red 337 and a UV Absorbent into Layered Double Hydroxides: Enhancement of Photostability. ACS Applied Materials & Interfaces, 2014, 6, 20603-20611.	8.0	34
70	Mechanism of enhancing the formaldehyde sensing properties of Co ₃ O ₄ via Ag modification. RSC Advances, 2015, 5, 48619-48625.	3.6	34
71	Advanced bifunctional electrocatalyst generated through cobalt phthalocyanine tetrasulfonate intercalated Ni ₂ Fe-layered double hydroxides for a laminar flow unitized regenerative micro-cell. Journal of Power Sources, 2017, 361, 21-30.	7.8	34
72	Support morphology-dependent alloying behaviour and interfacial effects of bimetallic Ni-Cu/CeO ₂ catalysts. Chemical Science, 2019, 10, 3556-3566.	7.4	34

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73	Synthesis and UV Absorption Properties of Aurintricarboxylic Acid Intercalated Zn-Al Layered Double Hydroxides. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 13299-13303.	3.7	33
74	Preparation of reduced graphene oxide/Co ₃ O ₄ composites and sensing performance to toluene at low temperature. <i>RSC Advances</i> , 2016, 6, 60109-60116.	3.6	33
75	Cu ₂ O and rGO Hybridizing for Enhancement of Low-Concentration NO ₂ Sensing at Room Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 10086-10094.	3.7	33
76	Composition Tuning of Ru-Based Phosphide for Enhanced Propane Selective Dehydrogenation. <i>ACS Catalysis</i> , 2020, 10, 10243-10252.	11.2	33
77	Facile synthesis of multicolor organic-inorganic hybrid pigments based on layered double hydroxides. <i>Dyes and Pigments</i> , 2014, 104, 131-136.	3.7	31
78	Rapid synthesis of rGO-MoO ₃ hybrids and mechanism of enhancing sensing performance to H ₂ S. <i>RSC Advances</i> , 2015, 5, 50783-50789.	3.6	31
79	Reduced graphene oxide decorated SnO ₂ /BiVO ₄ photoanode for photoelectrochemical water splitting. <i>Journal of Alloys and Compounds</i> , 2021, 855, 156780.	5.5	31
80	Porous ZnCl ₂ -Activated Carbon from Shaddock Peel: Methylene Blue Adsorption Behavior. <i>Materials</i> , 2022, 15, 895.	2.9	31
81	rGO functionalized Fe ₂ O ₃ /Co ₃ O ₄ heterojunction for NO ₂ detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 354, 131194.	7.8	30
82	Controllable preparation and catalytic performance of Pd/anodic alumina oxide@Al catalyst for hydrogenation of ethylanthraquinone. <i>Chemical Engineering Science</i> , 2015, 135, 274-284.	3.8	29
83	Facile Fabrication of Mesoporous Hierarchical Co-Doped ZnO for Highly Sensitive Ethanol Detection. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8061-8071.	3.7	29
84	Synthesis of novel BiVO ₄ /Cu ₂ O heterojunctions for improving BiVO ₄ towards NO ₂ sensing properties. <i>Journal of Colloid and Interface Science</i> , 2020, 567, 37-44.	9.4	29
85	WO ₃ -ZnFe ₂ O ₄ heterojunction and rGO decoration synergistically improve the sensing performance of triethylamine. <i>Sensors and Actuators B: Chemical</i> , 2021, 347, 130619.	7.8	29
86	Fabrication of supported Pd-Ir/Al ₂ O ₃ bimetallic catalysts for ethylanthraquinone hydrogenation. <i>AIChE Journal</i> , 2017, 63, 3955-3965.	3.6	28
87	Low molecular weight hindered amine light stabilizers (HALS) intercalated MgAl-Layered double hydroxides: Preparation and anti-aging performance in polypropylene nanocomposites. <i>Polymer Degradation and Stability</i> , 2018, 154, 55-61.	5.8	28
88	Atmosphere induced amorphous and permeable carbon layer encapsulating PtGa catalyst for selective cinnamaldehyde hydrogenation. <i>Journal of Catalysis</i> , 2020, 389, 229-240.	6.2	28
89	Novel Strategy to Prepare Mesoporous Sn-Doped Co ₃ O ₄ Whiskers with High Sensitivity to Toluene. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 4472-4482.	3.7	28
90	High Antioxidative Performance of Layered Double Hydroxides/Polypropylene Composite with Intercalation of Low-Molecular-Weight Phenolic Antioxidant. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 2287-2292.	3.7	26

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91	Superb removal capacity of hierarchically porous magnesium oxide for phosphate and methyl orange. <i>Environmental Science and Pollution Research</i> , 2018, 25, 24907-24916.	5.3	26
92	Layered double hydroxides as thermal stabilizers for Poly(vinyl chloride): A review. <i>Applied Clay Science</i> , 2021, 211, 106198.	5.2	26
93	An $\text{Fe}_2\text{O}_3/\text{NiO}$ hierarchical heterojunction for the sensitive detection of triethylamine. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1532-1539.	6.0	26
94	rGO decorated semiconductor heterojunction of BiVO_4/NiO to enhance PEC water splitting efficiency. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 4375-4385.	7.1	26
95	Reaction pathway investigation using in situ Fourier transform infrared technique over Pt/CuO and Pt/TiO ₂ for selective glycerol oxidation. <i>Applied Catalysis B: Environmental</i> , 2021, 291, 120061.	20.2	25
96	Mordant Yellow 3 Anions Intercalated Layered Double Hydroxides: Preparation, Thermo- and Photostability. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 10542-10545.	3.7	24
97	Triadic Layered Double Hydroxide Modified Semiconductor Heterojunction for PEC Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4076-4084.	6.7	24
98	Interfacial Bifunctional Effect Promoted Non-Noble Cu/Fe _y MgO _x Catalysts for Selective Hydrogenation of Acetylene. <i>ACS Catalysis</i> , 2021, 11, 11117-11128.	11.2	24
99	Experimental and numerical investigation of the precipitation of barium sulfate in a rotating liquid film reactor. <i>AIChE Journal</i> , 2009, 55, 2024-2034.	3.6	23
100	Fabrication and Adsorption Behavior of Magnesium Silicate Hydrate Nanoparticles towards Methylene Blue. <i>Nanomaterials</i> , 2018, 8, 271.	4.1	23
101	Effects of zinc and manganese ions in aqueous electrolytes on structure and electrochemical performance of Na _{0.44} MnO ₂ cathode material. <i>RSC Advances</i> , 2016, 6, 40793-40798.	3.6	22
102	Controllable Synthesis, Structure, and Catalytic Activity of Highly Dispersed Pd Catalyst Supported on Whisker-Modified Spherical Alumina. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 11083-11090.	3.7	21
103	A novel rGO-decorated ZnO/BiVO ₄ heterojunction for the enhancement of NO ₂ sensing properties. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1026-1033.	6.0	21
104	Pine dendritic bismuth vanadate loaded on reduced graphene oxide for detection of low concentration triethylamine. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 183-191.	9.4	20
105	Insights into the Role of Dual-Interfacial Sites in Cu/ZrO ₂ Catalysts in 5-HMF Hydrogenolysis with Isopropanol. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22292-22303.	8.0	20
106	UV absorber co-intercalated layered double hydroxides as efficient hybrid UV-shielding materials for polypropylene. <i>Dalton Transactions</i> , 2019, 48, 2750-2759.	3.3	19
107	Highly efficient CuCr-MMO catalyst for a base-free styrene epoxidation with H ₂ O ₂ as the oxidant: synergistic effect between Cu and Cr. <i>Dalton Transactions</i> , 2019, 48, 16402-16411.	3.3	19
108	Synthesis of LaFeO ₃ catalytic materials and their sensing properties. <i>Science in China Series B: Chemistry</i> , 2009, 52, 2106-2113.	0.8	18

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109	Oxidation of Aliphatic Alcohols by Using Precious Metals Supported on Hydrotalcite under Solvent- and Base-free Conditions. <i>ChemSusChem</i> , 2015, 8, 3314-3322.	6.8	18
110	An integration system derived from LDHs for CO ₂ direct capture and photocatalytic coupling reaction. <i>Chem Catalysis</i> , 2022, 2, 531-549.	6.1	18
111	Heterostructures of polyaniline@SnO ₂ loading on flexible PET thin films for triethylamine detection at room temperature. <i>New Journal of Chemistry</i> , 2016, 40, 4595-4600.	2.8	17
112	NiO hierarchical hollow microspheres doped Fe to enhance triethylamine sensing properties. <i>Materials Letters</i> , 2018, 210, 305-308.	2.6	17
113	Facile synthesis of Pd-doped ZnSnO ₃ hierarchical microspheres for enhancing sensing properties of formaldehyde. <i>Journal of Materials Science</i> , 2019, 54, 2025-2036.	3.7	17
114	Comparison of Pd and Pd ₄ S based catalysts for partial hydrogenation of external and internal butynes. <i>Journal of Catalysis</i> , 2020, 383, 51-59.	6.2	17
115	Synthesis of supported Pd nanocluster catalyst by spontaneous reduction on layered double hydroxide. <i>Journal of Catalysis</i> , 2020, 385, 313-323.	6.2	17
116	Synthesis of an N,N-Bis(phosphonomethyl)glycine Anion-Intercalated Layered Double Hydroxide and Its Selective Infrared Absorption Effect in Low Density Polyethylene Films for Use in Agriculture. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 5339-5346.	3.7	16
117	Highly efficient and selective infrared absorption material based on layered double hydroxides for use in agricultural plastic film. <i>Applied Clay Science</i> , 2011, 53, 592-597.	5.2	16
118	Nanoscale surface engineering of PdCo/Al ₂ O ₃ catalyst via segregation for efficient purification of ethene feedstock. <i>Chemical Engineering Science</i> , 2019, 210, 115216.	3.8	16
119	Control of Local Electronic Structure of Pd Single Atom Catalyst by Adsorbate Induction. <i>Small</i> , 2022, 18, e2103852.	10.0	16
120	Intercalation of IR absorber into layered double hydroxides: Preparation, thermal stability and selective IR absorption. <i>Materials Research Bulletin</i> , 2012, 47, 532-536.	5.2	15
121	Controllable Synthesis and Gas-Sensing Properties of Zinc Oxide Nanocrystals With Exposed Different Percentage of Facets. <i>IEEE Sensors Journal</i> , 2016, 16, 866-872.	4.7	15
122	Antioxidant intercalated Zn-containing layered double hydroxides: preparation, performance and migration properties. <i>New Journal of Chemistry</i> , 2017, 41, 2364-2371.	2.8	15
123	Improved Electrocatalytic Performance of Tailored Metal-free Nitrogen-doped Ordered Mesoporous Carbons for the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , 2018, 5, 1899-1904.	3.4	15
124	Carbon fiber paper@MgO films: in situ fabrication and high-performance removal capacity for phosphate anions. <i>Environmental Science and Pollution Research</i> , 2018, 25, 34788-34792.	5.3	15
125	Pd/NiO/Al Array Catalyst for 2-Ethylantraquinone Hydrogenation: Synergistic Effect Between Pd and NiO/Al Support. <i>Catalysis Letters</i> , 2019, 149, 1286-1296.	2.6	15
126	Construction of a Unique Structure of Ru Sites in the RuP Structure for Propane Dehydrogenation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33045-33055.	8.0	15

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127	In situ topologically induced PtZn alloy @ ZnTiO _x and the synergistic effect on glycerol oxidation. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120634.	20.2	15
128	rGO decorated ZnO/CdO heterojunction as a photoanode for photoelectrochemical water splitting. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2377-2386.	9.4	15
129	Improvement of Selectivity in Acetylene Hydrogenation with Comparable Activity over Ordered PdCu Catalysts Induced by Post-treatment. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 706-716.	8.0	15
130	A simple and promoter free way to synthesize spherical γ -alumina with high hydrothermal stability. <i>Materials Letters</i> , 2015, 155, 75-77.	2.6	14
131	Hierarchical polyaniline microspheres loading on flexible PET films for NH ₃ sensing at room temperature. <i>RSC Advances</i> , 2016, 6, 6939-6945.	3.6	14
132	The role of various oxygen species in Mn-based layered double hydroxide catalysts in selective alcohol oxidation. <i>Catalysis Science and Technology</i> , 2017, 7, 4361-4365.	4.1	14
133	Recent Advances in Constructing Interfacial Active Catalysts Based on Layered Double Hydroxides and Their Catalytic Mechanisms. <i>Transactions of Tianjin University</i> , 2021, 27, 24-41.	6.4	14
134	Synthesis and Applications of Layered Double Hydroxides Based Pigments. <i>Recent Patents on Nanotechnology</i> , 2012, 6, 193-199.	1.3	13
135	Facile Color Tuning, Characterization, and Application of Acid Green 25 and Acid Yellow 25 Co-intercalated Layered Double Hydroxides. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 5495-5504.	3.7	13
136	Pd Nanoparticles Loaded on CoAlCe Layered Double Oxide Nanosheets for Phenol Hydrogenation. <i>ACS Applied Nano Materials</i> , 2021, 4, 11820-11829.	5.0	13
137	Micrometer-sized dihydrogenphosphate-intercalated layered double hydroxides: synthesis, selective infrared absorption properties, and applications as agricultural films. <i>Dalton Transactions</i> , 2018, 47, 3144-3154.	3.3	12
138	A novel composite of γ -MoO ₃ /BiVO ₄ for triethylamine selective detection. <i>New Journal of Chemistry</i> , 2020, 44, 2402-2407.	2.8	12
139	Design and Synthesis of Cobalt-Based Electrocatalysts for Oxygen Reduction Reaction. <i>Chemical Record</i> , 2018, 18, 840-848.	5.8	11
140	HYDROTHERMAL SYNTHESIS OF γ -MoO ₃ NANORODS FOR NO ₂ DETECTION. <i>International Journal of Nanoscience</i> , 2012, 11, 1240044.	0.7	10
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