Yongjun Feng

List of Publications by Year
in descending order

113 papers	4,432 citations	87888 38 h-index	118850 62 g-index
118 all docs	118 docs citations	118 times ranked	5419 citing authors

#	Article	IF	Citations
1	In situ Free-Surfactant Synthesis and ORR- Electrochemistry of Carbon-Supported Co₃S₄and CoSe₂Nanoparticles. Chemistry of Materials, 2008, 20, 26-28.	6.7	233
2	Nonprecious metal catalysts for the molecular oxygenâ€reduction reaction. Physica Status Solidi (B): Basic Research, 2008, 245, 1792-1806.	1.5	167
3	Ultra-sensitive ethanol gas sensors based on nanosheet-assembled hierarchical ZnO-In2O3 heterostructures. Journal of Hazardous Materials, 2020, 391, 122191.	12.4	162
4	Synthesis and characterization of a UV absorbent-intercalated Znâ€“Al layered double hydroxide. Polymer Degradation and Stability, 2006, 91, 789-794.	5.8	139
5	Electrocatalytic Cobalt Nanoparticles Interacting with Nitrogen-Doped Carbon Nanotube in Situ Generated from a Metalâ€“Organic Framework for the Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2017, 9, 2541-2549.	8.0	137
6	Template-free synthesis of three-dimensional NiFe-LDH hollow microsphere with enhanced OER performance in alkaline media. Journal of Energy Chemistry, 2019, 33, 130-137.	12.9	121
7	Oxygen reduction reaction on carbon-supported CoSe2 nanoparticles in an acidic medium. Electrochimica Acta, 2009, 54, 5252-5256.	5.2	116
8	Facile synthesis of mesoporous hierarchical Co₃O₄â€“TiO₂ pâ€“n heterojunctions with greatly enhanced gas sensing performance. Journal of Materials Chemistry A, 2017, 5, 10387-10397.	10.3	116
9	Chalcogenide metal centers for oxygen reduction reaction: Activity and tolerance. Electrochimica Acta, 2011, 56, 1009-1022.	5.2	114
10	Facile synthesis and gas sensing properties of tubular hierarchical ZnO self-assembled by porous nanosheets. Sensors and Actuators B: Chemical, 2015, 215, 231-240.	7.8	110
11	Recent Advances of Cobalt-Based Electrocatalysts for Oxygen Electrode Reactions and Hydrogen Evolution Reaction. Catalysts, 2018, 8, 559.	3.5	107
12	Facile Synthesis and Acetone Sensing Performance of Hierarchical SnO₂ Hollow Microspheres with Controllable Size and Shell Thickness. Industrial & Engineering Chemistry Research, 2016, 55, 3588-3595.	3.7	103
13	Ce-Sn binary oxide catalyst for the selective catalytic reduction of NOx by NH3. Applied Surface Science, 2018, 428, 526-533.	6.1	89
14	Substrate effect on oxygen reduction electrocatalysis. Electrochimica Acta, 2010, 55, 7558-7563.	5.2	78
15	Size-controlled hydrothermal synthesis and high electrocatalytic performance of CoS2 nanocatalysts as non-precious metal cathode materials for fuel cells. Journal of Materials Chemistry A, 2013, 1, 5741.	10.3	77
16	Pyrolyzing Co/Zn bimetallic organic framework to form p-n heterojunction of Co3O4/ZnO for detection of formaldehyde. Sensors and Actuators B: Chemical, 2019, 285, 291-301.	7.8	76
17	Carbon-supported cubic CoSe2 catalysts for oxygen reduction reaction in alkaline medium. Electrochimica Acta, 2012, 72, 129-133.	5.2	70
18	Synthesis and gas sensing properties to NO2 of ZnO nanoparticles. Sensors and Actuators B: Chemical, 2013, 185, 377-382.	7.8	70

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19	Novel ultrathin mesoporous ZnO-SnO2 n-n heterojunction nanosheets with high sensitivity to ethanol. Sensors and Actuators B: Chemical, 2020, 309, 127801.	7.8	70
20	Fabrication and Bifunctional Electrocatalytic Performance of Ternary CoNiMn Layered Double Hydroxides/Polypyrrole/Reduced Graphene Oxide Composite for Oxygen Reduction and Evolution Reactions. Electrochimica Acta, 2017, 245, 59-68.	5.2	63
21	Synthesis of Co3O4/TiO2 composite by pyrolyzing ZIF-67 for detection of xylene. Applied Surface Science, 2018, 435, 384-392.	6.1	61
22	Wearable, Washable, and Highly Sensitive Piezoresistive Pressure Sensor Based on a 3D Sponge Network for Real-Time Monitoring Human Body Activities. ACS Applied Materials & Interfaces, 2021, 13, 46848-46857.	8.0	61
23	Ordered mesoporous WO3/ZnO nanocomposites with isotype heterojunctions for sensitive detection of NO2. Sensors and Actuators B: Chemical, 2019, 285, 68-75.	7.8	60
24	Selective Anion-Exchange Properties of Second-Stage Layered Double Hydroxide Heterostructures. Chemistry of Materials, 2006, 18, 4312-4318.	6.7	55
25	Improved thermal and photostability of an anthraquinone dye by intercalation in a zincâ€“aluminum layered double hydroxides host. Dyes and Pigments, 2011, 90, 253-258.	3.7	54
26	Doping Metal Elements of WO₃ for Enhancement of NO₂-Sensing Performance at Room Temperature. Industrial & Engineering Chemistry Research, 2017, 56, 2616-2623.	3.7	53
27	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
28	rGO modified nanoplate-assembled ZnO/CdO junction for detection of NO2. Journal of Hazardous Materials, 2020, 394, 121832.	12.4	51
29	Tolerant Chalcogenide Cathodes of Membraneless Micro Fuel Cells. ChemSusChem, 2012, 5, 1488-1494.	6.8	50
30	Reduced Graphene Oxide Supported CoO/MnO 2 Electrocatalysts from Layered Double Hydroxides for Oxygen Reduction Reaction. Electrochimica Acta, 2015, 173, 575-580.	5.2	50
31	Novel Î±-Fe2O3/BiVO4 heterojunctions for enhancing NO2 sensing properties. Sensors and Actuators B: Chemical, 2018, 268, 136-143.	7.8	49
32	Oxygen vacancies engineering by coordinating oxygen-buffering CeO2 with CoO nanorods as efficient bifunctional oxygen electrode electrocatalyst. Journal of Energy Chemistry, 2021, 59, 615-625.	12.9	49
33	Intercalation chemistry in a LDH system: anion exchange process and staging phenomenon investigated by means of time-resolved, in situ X-ray diffraction. Dalton Transactions, 2010, 39, 5994.	3.3	46
34	Highly dispersed Pd catalyst for anthraquinone hydrogenation supported on alumina derived from a pseudoboehmite precursor. Applied Catalysis A: General, 2014, 469, 312-319.	4.3	46
35	Synthesis and Gas Sensing Performance of Dandelion-Like ZnO with Hierarchical Porous Structure. Industrial & Engineering Chemistry Research, 2014, 53, 12737-12743.	3.7	43
36	Carbon fiber paper supported interlayer space enlarged Ni2Fe-LDHs improved OER electrocatalytic activity. Electrochimica Acta, 2017, 258, 554-560.	5.2	43

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37	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
38	Functionalized-carbon nanotube supported electrocatalysts and buckypaper-based biocathodes for glucose fuel cell applications. Electrochimica Acta, 2011, 56, 7659-7665.	5.2	42
39	Cobalt-Based Multicomponent Oxygen Reduction Reaction Electrocatalysts Generated by Melamine Thermal Pyrolysis with High Performance in an Alkaline Hydrogen/Oxygen Microfuel Cell. ACS Applied Materials & Interfaces, 2020, 12, 21605-21615.	8.0	40
40	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
41	Recent Progress on Adsorption Materials for Phosphate Removal. Recent Patents on Nanotechnology, 2019, 13, 3-16.	1.3	39
42	An integrating photoanode consisting of BiVO₄, rGO and LDH for photoelectrochemical water splitting. Dalton Transactions, 2019, 48, 16091-16098.	3.3	37
43	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
44	Synthesis of Cu-containing Layered Double Hydroxides with a Narrow Crystallite-size Distribution. Clays and Clay Minerals, 2003, 51, 566-569.	1.3	34
45	Co-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
46	Advanced bifunctional electrocatalyst generated through cobalt phthalocyanine tetrasulfonate intercalated Ni2Fe-layered double hydroxides for a laminar flow unitized regenerative micro-cell. Journal of Power Sources, 2017, 361, 21-30.	7.8	34
47	Synthesis and UV Absorption Properties of Aurintricarboxylic Acid Intercalated Znâ€“Al Layered Double Hydroxides. Industrial & Engineering Chemistry Research, 2011, 50, 13299-13303.	3.7	33
48	Cu₂O and rGO Hybridizing for Enhancement of Low-Concentration NO₂ Sensing at Room Temperature. Industrial & Engineering Chemistry Research, 2018, 57, 10086-10094.	3.7	33
49	Facile synthesis of multicolor organicâ€“inorganic hybrid pigments based on layered double hydroxides. Dyes and Pigments, 2014, 104, 131-136.	3.7	31
50	Reduced graphene oxide decorated SnO2/BiVO4 photoanode for photoelectrochemical water splitting. Journal of Alloys and Compounds, 2021, 855, 156780.	5.5	31
51	Porous ZnCl2-Activated Carbon from Shaddock Peel: Methylene Blue Adsorption Behavior. Materials, 2022, 15, 895.	2.9	31
52	Facile Fabrication of Mesoporous Hierarchical Co-Doped ZnO for Highly Sensitive Ethanol Detection. Industrial & Engineering Chemistry Research, 2019, 58, 8061-8071.	3.7	29
53	Synthesis of novel BiVO4/Cu2O heterojunctions for improving BiVO4 towards NO2 sensing properties. Journal of Colloid and Interface Science, 2020, 567, 37-44.	9.4	29
54	Low molecular weight hindered amine light stabilizers (HALS) intercalated MgAl-Layered double hydroxides: Preparation and anti-aging performance in polypropylene nanocomposites. Polymer Degradation and Stability, 2018, 154, 55-61.	5.8	28

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55	Novel Strategy to Prepare Mesoporous Sn-Doped Co₃O₄ Whiskers with High Sensitivity to Toluene. Industrial & Engineering Chemistry Research, 2020, 59, 4472-4482.	3.7	28
56	Carbonâ€Supported CoSe₂ Nanoparticles for Oxygen Reduction Reaction in Acid Medium. Fuel Cells, 2010, 10, 77-83.	2.4	27
57	Enhanced thermal- and photo-stability of acid yellow 17 by incorporation into layered double hydroxides. Journal of Solid State Chemistry, 2011, 184, 1551-1555.	2.9	26
58	High Antioxidative Performance of Layered Double Hydroxides/Polypropylene Composite with Intercalation of Low-Molecular-Weight Phenolic Antioxidant. Industrial & Engineering Chemistry Research, 2014, 53, 2287-2292.	3.7	26
59	Superb removal capacity of hierarchically porous magnesium oxide for phosphate and methyl orange. Environmental Science and Pollution Research, 2018, 25, 24907-24916.	5.3	26
60	Layered double hydroxides as thermal stabilizers for Poly(vinyl chloride): A review. Applied Clay Science, 2021, 211, 106198.	5.2	26
61	FeCo nanoalloys embedded in nitrogen-doped carbon nanosheets/bamboo-like carbon nanotubes for the oxygen reduction reaction. Inorganic Chemistry Frontiers, 2021, 8, 109-121.	6.0	25
62	Mordant Yellow 3 Anions Intercalated Layered Double Hydroxides: Preparation, Thermo- and Photostability. Industrial & Engineering Chemistry Research, 2012, 51, 10542-10545.	3.7	24
63	Controllable Synthesis and Bi-functional Electrocatalytic Performance towards Oxygen Electrode Reactions of Co3O4/N-RGO Composites. Electrochimica Acta, 2017, 226, 104-112.	5.2	23
64	Fabrication and Adsorption Behavior of Magnesium Silicate Hydrate Nanoparticles towards Methylene Blue. Nanomaterials, 2018, 8, 271.	4.1	23
65	Facile synthesis and photocatalytic performance of ZnO nanoparticles self-assembled spherical aggregates. Materials Letters, 2015, 158, 290-294.	2.6	21
66	UV absorber co-intercalated layered double hydroxides as efficient hybrid UV-shielding materials for polypropylene. Dalton Transactions, 2019, 48, 2750-2759.	3.3	19
67	Simultaneous detection of multiple neuroendocrine tumor markers in patient serum with an ultrasensitive and antifouling electrochemical immunosensor. Biosensors and Bioelectronics, 2021, 194, 113603.	10.1	19
68	Fabrication and properties of Acid Yellow 49 dye-intercalated layered double hydroxides film on an alumina-coated aluminum substrate. Dyes and Pigments, 2011, 91, 120-125.	3.7	18
69	Highly efficient and selective infrared absorption material based on layered double hydroxides for use in agricultural plastic film. Applied Clay Science, 2011, 53, 592-597.	5.2	16
70	Layered Double Hydroxides as Flame Retardant and Thermal Stabilizer for Polymers. Recent Patents on Nanotechnology, 2012, 6, 231-237.	1.3	16
71	Antioxidant intercalated hydrocalumite as multifunction nanofiller for Poly(propylene): Synthesis, thermal stability, light stability, and anti-migration property. Polymer Degradation and Stability, 2017, 140, 9-16.	5.8	16
72	Intercalation of IR absorber into layered double hydroxides: Preparation, thermal stability and selective IR absorption. Materials Research Bulletin, 2012, 47, 532-536.	5.2	15

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73	Antioxidant intercalated Zn-containing layered double hydroxides: preparation, performance and migration properties. New Journal of Chemistry, 2017, 41, 2364-2371.	2.8	15
74	Improved Electrocatalytic Performance of Tailored Metalâ€Free Nitrogenâ€Doped Ordered Mesoporous Carbons for the Oxygen Reduction Reaction. ChemElectroChem, 2018, 5, 1899-1904.	3.4	15
75	Carbon fiber paper@MgO films: in situ fabrication and high-performance removal capacity for phosphate anions. Environmental Science and Pollution Research, 2018, 25, 34788-34792.	5.3	15
76	Acid Blue 129 and Salicylate Cointercalated Layered Double Hydroxides: Assembly, Characterization, and Photostability. Industrial & Engineering Chemistry Research, 2014, 53, 17961-17967.	3.7	14
77	A simple and promoter free way to synthesize spherical Î³-alumina with high hydrothermal stability. Materials Letters, 2015, 155, 75-77.	2.6	14
78	Synthesis and Applications of Layered Double Hydroxides Based Pigments. Recent Patents on Nanotechnology, 2012, 6, 193-199.	1.3	13
79	Facile Color Tuning, Characterization, and Application of Acid Green 25 and Acid Yellow 25 Co-intercalated Layered Double Hydroxides. Industrial & Engineering Chemistry Research, 2017, 56, 5495-5504.	3.7	13
80	Oxygen reduction reaction selectivity of RuxSey in formic acid solutions. Journal of Electroanalytical Chemistry, 2010, 648, 78-84.	3.8	12
81	In situ synthesis of solid base catalysts for the regeneration of degradation products formed during the anthraquinone process for the manufacture of hydrogen peroxide. Applied Catalysis A: General, 2011, 401, 163-169.	4.3	12
82	Micrometer-sized dihydrogenphosphate-intercalated layered double hydroxides: synthesis, selective infrared absorption properties, and applications as agricultural films. Dalton Transactions, 2018, 47, 3144-3154.	3.3	12
83	Novel Non-Precious Metal Electrocatalysts for Oxygen Reduction Based on Nanostructured Cobalt Chalcogenide. ECS Transactions, 2007, 11, 67-73.	0.5	11
84	Carbon coated chevrel phase of Mo6S8 as anode material for improving electrochemical properties of aqueous lithium-ion batteries. Electrochimica Acta, 2017, 258, 236-240.	5.2	11
85	Design and Synthesis of Cobaltâ€Based Electrocatalysts for Oxygen Reduction Reaction. Chemical Record, 2018, 18, 840-848.	5.8	11
86	Unitized Regenerative Alkaline Microfluidic Cell Based on Platinum Group Metal-Free Electrode Materials. ACS Applied Energy Materials, 2020, 3, 7397-7403.	5.1	11
87	Preparation and characterization of polyimide/ladder like polysiloxane hybrid films. Materials Letters, 2010, 64, 2710-2713.	2.6	10
88	Nitrogen-Doped Ordered Mesoporous Carbons Supported Co3O4 Composite as a Bifunctional Oxygen Electrode Catalyst. Surfaces, 2019, 2, 229-240.	2.3	10
89	Synergetic light stabilizing effects of reducing agent and UV absorber co-intercalated layered double hydroxides for polypropylene. Applied Clay Science, 2020, 194, 105700.	5.2	10
90	A First Wideâ€Open LDH Structure Hosting InP/ZnS QDs: A New Route Toward Efficient and Photostable Redâ€Emitting Phosphor. Advanced Materials, 2021, 33, e2103411.	21.0	10

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91	Positive Effect of Heat Treatment on Carbon-Supported CoS Nanocatalysts for Oxygen Reduction Reaction. Catalysts, 2015, 5, 1211-1220.	3.5	9
92	Design, fabrication and anti-aging behavior of a multifunctional inorganicâ€“organic hybrid stabilizer derived from co-intercalated layered double hydroxides for polypropylene. Inorganic Chemistry Frontiers, 2019, 6, 2539-2549.	6.0	9
93	A new green, energy-saving, and pressing refining process for the recovery of ultrahigh-purity lead in alkaline solution from spent lead plate grids. Ionics, 2019, 25, 3979-3990.	2.4	9
94	An energy saving and fluorine-free electrorefining process for ultrahigh purity lead refining. Chinese Journal of Chemical Engineering, 2019, 27, 1191-1199.	3.5	9
95	Structure Phase Transition and Oxygen Reduction Activity in Acidic Medium of Carbon-Supported Cobalt Selenide Nanoparticles. ECS Transactions, 2009, 25, 167-173.	0.5	8
96	Fabrication and properties of acid blue 25 dye-intercalated layered double hydroxides film on an anodic alumina/aluminum substrate. Journal of Physics and Chemistry of Solids, 2012, 73, 1505-1509.	4.0	8
97	In situ synthesis and properties of ZSM-5/Î±-Al 2 O 3 composite. Materials Letters, 2014, 133, 278-280.	2.6	8
98	Tuning the Adsorption Properties of Layered Double Hydroxides to Tailor Highly Active Oxygen Bifunctional Electrocatalysts. Journal of the Electrochemical Society, 2017, 164, F491-F498.	2.9	8
99	Surfactantâ€Assisted Fabrication of Cubic Cobalt Oxide Hybrid Hollow Spheres as Catalysts for the Oxygen Reduction Reaction. ChemElectroChem, 2018, 5, 2192-2198.	3.4	8
100	HALS intercalated layered double hydroxides as an efficient light stabilizer for polypropylene. Applied Clay Science, 2019, 180, 105196.	5.2	8
101	An aqueous miscible organic (AMO) process for layered double hydroxides (LDHs) for the enhanced properties of polypropylene/LDH composites. New Journal of Chemistry, 2020, 44, 10119-10126.	2.8	8
102	Recent Progress on Transition Metal Based Layered Double Hydroxides Tailored for Oxygen Electrode Reactions. Catalysts, 2021, 11, 1394.	3.5	8
103	Synthesis and electrocatalytic performance of N-doped graphene embedded with Co/CoO nanoparticles towards oxygen evolution and reduction reactions. Catalysis Communications, 2022, 164, 106428.	3.3	8
104	Novel Non-Precious Metal Electrocatalysts for Oxygen Electrode Reactions. Catalysts, 2019, 9, 731.	3.5	7
105	Inâ€…Situ Selfâ€Supporting Cobalt Embedded in Nitrogenâ€Doped Porous Carbon as Efficient Oxygen Reduction Electrocatalysts. ChemElectroChem, 2020, 7, 4024-4030.	3.4	7
106	Size-dependent Effect of MgAl-Layered Double Hydroxides Derived from Mg(OH)2 on Thermal Stability of Poly(vinyl chloride). Materials Today Communications, 2021, , 102851.	1.9	5
107	Heterostructures based on transition metal chalcogenides and layered double hydroxides for enhanced water splitting. Current Opinion in Electrochemistry, 2022, 34, 101016.	4.8	5
108	Improving thermal stability and light fastness of Acid Red 114 by incorporating its anions in a ZnAl-layered double hydroxides matrix. Particuology, 2012, 10, 503-508.	3.6	4

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109	Co-assembled photoactive organic molecules into layered double hydroxide as fluorescent fillers for silicone films. Materials Today Communications, 2021, 28, 102479.	1.9	4
110	Batch and fixed-bed adsorption behavior of porous boehmite with high percentage of exposed (020) facets and surface area towards Congo red. Inorganic Chemistry Frontiers, 2021, 8, 735-745.	6.0	4
111	Co-intercalated layered double hydroxides as thermal and photo-oxidation stabilizers for polypropylene. Beilstein Journal of Nanotechnology, 2018, 9, 2980-2988.	2.8	3
112	ZnO/BiFeO₃ heterojunction interface modulation and rGO modification for detection of triethylamine. Journal of Materials Chemistry C, 2022, 10, 8015-8023.	5.5	3
113	Perylene diimide derivative dispersed in LDH as a new efficient red-emitting phosphor for LED applications. Journal of Materials Chemistry C, 2022, 10, 9989-10000.	5.5	2