

Yaping Zhao

List of Publications by Year in descending order

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81
papers

5,198
citations

66343

42
h-index

85541

71
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81
all docs

81
docs citations

81
times ranked

6216
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced catalytic degradation of methylene blue by $\text{Fe}_2\text{O}_3/\text{graphene oxide}$ via heterogeneous photo-Fenton reactions. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 642-652.	20.2	372
2	Sunlight-Assisted Degradation of Dye Pollutants in Ag_3PO_4 Suspension. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 5167-5173.	3.7	224
3	Microplastics as Both a Sink and a Source of Bisphenol A in the Marine Environment. <i>Environmental Science & Technology</i> , 2019, 53, 10188-10196.	10.0	211
4	Aligned FeOOH nanorods anchored on a graphene oxide-carbon nanotubes aerogel can serve as an effective Fenton-like oxidation catalyst. <i>Applied Catalysis B: Environmental</i> , 2017, 213, 74-86.	20.2	202
5	Adsorption behavior of arsenicals on MIL-101(Fe): The role of arsenic chemical structures. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 692-704.	9.4	202
6	Adsorption behavior and mechanism of different arsenic species on mesoporous MnFe_2O_4 magnetic nanoparticles. <i>Chemosphere</i> , 2017, 181, 328-336.	8.2	196
7	Removal of microplastics from aqueous solutions by magnetic carbon nanotubes. <i>Chemical Engineering Journal</i> , 2021, 406, 126804.	12.7	168
8	Employing TiO_2 photocatalysis to deal with landfill leachate: Current status and development. <i>Chemical Engineering Journal</i> , 2016, 285, 264-275.	12.7	155
9	Enhanced Photocatalytic Properties in BiOBr Nanosheets with Dominantly Exposed (102) Facets. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14662-14669.	3.1	150
10	Hydrophobic sorption behaviors of $17\beta\text{-Estradiol}$ on environmental microplastics. <i>Chemosphere</i> , 2019, 226, 726-735.	8.2	148
11	Directed Synthesis of Hierarchical Nanostructured TiO_2 Catalysts and their Morphology-Dependent Photocatalysis for Phenol Degradation. <i>Environmental Science & Technology</i> , 2008, 42, 2342-2348.	10.0	131
12	Insight into the kinetics and mechanism of removal of aqueous chlorinated nitroaromatic antibiotic chloramphenicol by nanoscale zero-valent iron. <i>Chemical Engineering Journal</i> , 2018, 334, 508-518.	12.7	123
13	Fabrication of FeOOH decorated graphene oxide-carbon nanotubes aerogel and its application in adsorption of arsenic species. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 105-114.	9.4	117
14	In-situ preparation of $\text{NH}_2\text{-MIL-125(Ti)/BiOCl}$ composite with accelerating charge carriers for boosting visible light photocatalytic activity. <i>Applied Surface Science</i> , 2019, 466, 525-534.	6.1	113
15	FeOOH -graphene oxide nanocomposites for fluoride removal from water: Acetate mediated nano FeOOH growth and adsorption mechanism. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 259-269.	9.4	110
16	Insight into the characteristics and sorption behaviors of aged polystyrene microplastics through three type of accelerated oxidation processes. <i>Journal of Hazardous Materials</i> , 2021, 407, 124836.	12.4	104
17	Transformation of Oxidation Products and Reduction of Estrogenic Activity of $17\beta\text{-Estradiol}$ by a Heterogeneous Photo-Fenton Reaction. <i>Environmental Science & Technology</i> , 2008, 42, 5277-5284.	10.0	94
18	Efficient transformation and elimination of roxarsone and its metabolites by a new $\text{FeOOH}@GCA$ activating persulfate system under UV irradiation with subsequent As(V) recovery. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 207-219.	20.2	93

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19	Novel up-conversion carbon quantum dots/ Fe^{2+} -FeOOH nano hybrids eliminate tetracycline and its related drug resistance in visible-light responsive Fenton system. <i>Applied Catalysis B: Environmental</i> , 2020, 263, 118336.	20.2	91
20	Fluoride removal by Fe(III)-loaded ligand exchange cotton cellulose adsorbent from drinking water. <i>Carbohydrate Polymers</i> , 2008, 72, 144-150.	10.2	86
21	Sorption and leaching behaviors between aged MPs and BPA in water: The role of BPA binding modes within plastic matrix. <i>Water Research</i> , 2021, 195, 116956.	11.3	86
22	Highly efficient removal of bisphenol A by a novel Co-doped LaFeO ₃ perovskite/PMS system in salinity water. <i>Science of the Total Environment</i> , 2021, 801, 149490.	8.0	86
23	Transformation pathway and degradation mechanism of methylene blue through Fe^{2+} -FeOOH@GO catalyzed photo-Fenton-like system. <i>Chemosphere</i> , 2019, 218, 83-92.	8.2	84
24	MnO ₂ enhances electrocatalytic hydrodechlorination by Pd/Ni foam electrodes and reduces Pd needs. <i>Chemical Engineering Journal</i> , 2018, 352, 549-557.	12.7	81
25	Electrodeposited CuS nanosheets on carbonized cotton fabric as flexible supercapacitor electrode for high energy storage. <i>Electrochimica Acta</i> , 2019, 295, 668-676.	5.2	81
26	New Sustainable Approach for the Production of Fe ₃ O ₄ /Graphene Oxide-Activated Persulfate System for Dye Removal in Real Wastewater. <i>Water (Switzerland)</i> , 2020, 12, 733.	2.7	70
27	Elimination of estrogen and its estrogenicity by heterogeneous photo-Fenton catalyst Fe^{2+} -FeOOH/resin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 212, 94-100.	3.9	67
28	Modulation of valence band maximum edge and photocatalytic activity of BiOX by incorporation of halides. <i>Chemosphere</i> , 2018, 191, 427-437.	8.2	67
29	Ionic liquid-induced double regulation of carbon quantum dots modified bismuth oxychloride/bismuth oxybromide nanosheets with enhanced visible-light photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2018, 519, 263-272.	9.4	66
30	A novel graphene oxide-carbon nanotubes anchored Fe^{2+} -FeOOH hybrid activated persulfate system for enhanced degradation of Orange II. <i>Journal of Environmental Sciences</i> , 2019, 83, 73-84.	6.1	64
31	Potentiostatically synthesized flexible polypyrrole/multi-wall carbon nanotube/cotton fabric electrodes for supercapacitors. <i>Cellulose</i> , 2016, 23, 637-648.	4.9	63
32	PM _{2.5} impairs neurobehavior by oxidative stress and myelin sheaths injury of brain in the rat. <i>Environmental Pollution</i> , 2018, 242, 994-1001.	7.5	63
33	Removal of bisphenol A by mesoporous BiOBr under simulated solar light irradiation. <i>Catalysis Science and Technology</i> , 2012, 2, 2351.	4.1	62
34	High selectivity and effectiveness for removal of tetracycline and its related drug resistance in food wastewater through schwertmannite/graphene oxide catalyzed photo-Fenton-like oxidation. <i>Journal of Hazardous Materials</i> , 2020, 392, 122437.	12.4	62
35	Combined effect of nitrogen and oxygen heteroatoms and micropores of porous carbon frameworks from Schiff-base networks on their high supercapacitance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1621-1629.	10.3	59
36	Enhanced defect oxygen of LaFeO ₃ /GO hybrids in promoting persulfate activation for selective and efficient elimination of bisphenol A in food wastewater. <i>Chemical Engineering Journal</i> , 2021, 407, 126890.	12.7	51

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37	Low-temperature growth of ZnO nanorods on PET fabrics with two-step hydrothermal method. <i>Applied Surface Science</i> , 2010, 256, 4724-4728.	6.1	50
38	Facile synthesis of flexible electrode based on cotton/polypyrrole/multi-walled carbon nanotube composite for supercapacitors. <i>Cellulose</i> , 2018, 25, 4079-4091.	4.9	50
39	±-FeOOH quantum dots impregnated graphene oxide hybrids enhanced arsenic adsorption: The mediation role of environmental organic ligands. <i>Science of the Total Environment</i> , 2021, 781, 146726.	8.0	50
40	Wearable Solid-State Supercapacitors Operating at High Working Voltage with a Flexible Nanocomposite Electrode. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25905-25914.	8.0	46
41	Elimination of ibuprofen and its relative photo-induced toxicity by mesoporous BiOBr under simulated solar light irradiation. <i>RSC Advances</i> , 2014, 4, 13061.	3.6	44
42	Synthesis of zinc sulfide/copper sulfide/porous carbonized cotton nanocomposites for flexible supercapacitor and recyclable photocatalysis with high performance. <i>Journal of Colloid and Interface Science</i> , 2020, 575, 306-316.	9.4	43
43	Directed growth of TiO ₂ nanorods into microspheres. <i>Nanotechnology</i> , 2006, 17, 5046-5050.	2.6	42
44	Synthesis of the cotton cellulose based Fe(III)-loaded adsorbent for arsenic(V) removal from drinking water. <i>Desalination</i> , 2009, 249, 1006-1011.	8.2	42
45	Controlled fabrication of hierarchical WO ₃ ·H ₂ O hollow microspheres for enhanced visible light photocatalysis. <i>RSC Advances</i> , 2015, 5, 16376-16385.	3.6	39
46	A bifunctional \pm -FeOOH@GCA nanocomposite for enhanced adsorption of arsenic and photo Fenton-like catalytic conversion of As(III). <i>Environmental Technology and Innovation</i> , 2021, 22, 101437.	6.1	38
47	In-situ growth of flower-like CuS microsphere on carbonized cotton for high-performance flexible supercapacitor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 575, 75-83.	4.7	37
48	AgI loading BiOI composites with enhanced photodegradation efficiency for bisphenol A under simulated solar light. <i>Science of the Total Environment</i> , 2019, 669, 194-204.	8.0	33
49	UiO-66(Zr)-derived t-zirconia with abundant lattice defect for remarkably enhanced arsenic removal. <i>Chemosphere</i> , 2022, 288, 132594.	8.2	30
50	Efficient capture of arsenate from alkaline smelting wastewater by acetate modulated yttrium based metal-organic frameworks. <i>Chemical Engineering Journal</i> , 2020, 397, 125292.	12.7	27
51	Defluoridation by rice spike-like akaganeite anchored graphene oxide. <i>RSC Advances</i> , 2016, 6, 11240-11249.	3.6	26
52	Municipal Wastewater Treatment by Moving-Bed-Biofilm Reactor with Diatomaceous Earth as Carriers. <i>Water Environment Research</i> , 2006, 78, 392-396.	2.7	25
53	Electrochemical deposition and characterization of copper crystals on polyaniline/poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock	3.9	25
54	Novel blue fluorescent emitters structured by linking triphenylamine and anthracene derivatives for organic light-emitting devices with EQE exceeding 5%. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10810-10817.	5.5	25

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55	New type of [Bi ₆ O ₆ (OH) ₃](NO ₃) ₃ ·1.5H ₂ O sheets photocatalyst with high photocatalytic activity on degradation of phenol. <i>Chemosphere</i> , 2013, 93, 701-707.	8.2	23
56	Biomimetic synthesis of Ag ₃ PO ₄ -NPs/Cu-NWs with visible-light-enhanced photocatalytic activity for degradation of the antibiotic ciprofloxacin. <i>Dalton Transactions</i> , 2017, 46, 6425-6432.	3.3	23
57	Enhancement of visible-light-driven photocatalytic performance of BiOBr nanosheets by Co ²⁺ doping. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 14967-14976.	2.2	23
58	Hierarchical Ni@Ni(OH) ₂ core-shell hybrid arrays on cotton cloth fabricated by a top-down approach for high-performance flexible asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2019, 784, 1091-1098.	5.5	19
59	A facile and green route to fabricate fiber-reinforced membrane for removing oil from water and extracting water under slick oil. <i>Journal of Hazardous Materials</i> , 2021, 416, 125697.	12.4	19
60	Tuning the structure of cerium-based metal-organic frameworks for efficient removal of arsenic species: The role of organic ligands. <i>Chemosphere</i> , 2022, 303, 134934.	8.2	18
61	Flexible and internal series-connected supercapacitors with high working voltage using ultralight porous carbon nanofilms. <i>Journal of Power Sources</i> , 2017, 342, 762-771.	7.8	17
62	Photodegradation of Orange II by mesoporous TiO ₂ . <i>Journal of Environmental Monitoring</i> , 2011, 13, 2496.	2.1	16
63	Cationic cotton modified by 3-chloro-2-hydroxypropyl trimethyl ammonium chloride for salt-free dyeing with high levelling performance. <i>Cellulose</i> , 2022, 29, 633-646.	4.9	16
64	Roles of Reactive Oxygen Species and Holes in the Photodegradation of Cationic and Anionic Dyes by TiO ₂ under UV Irradiation. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	1.4	15
65	2D g-C ₃ N ₄ /BiOBr heterojunctions with enhanced visible light photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	14
66	One-pot solvothermal synthesis of lotus-leaf like Ni ₇ S ₆ /CoNi ₂ S ₄ hybrid on carbon fabric toward comprehensive high-performance flexible non-enzymatic glucose sensor and supercapacitor. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2988-2997.	5.5	13
67	Facile preparation of N-doped carbon/FeOx-decorated carbon cloth for flexible symmetric solid-state supercapacitors. <i>Cellulose</i> , 2020, 27, 1591-1601.	4.9	11
68	Fabrication of polyethersulfone/polyacrylonitrile electrospun nanofiber membrane for food industry wastewater treatment. <i>Journal of Water Process Engineering</i> , 2022, 47, 102838.	5.6	11
69	Adsorption behavior of monomers and formation of conducting polymers on polyester fibers. <i>Journal of Applied Polymer Science</i> , 2011, 119, 662-669.	2.6	10
70	Fabrication of acid-resistant fabrics with fluoropolymer/SiO ₂ nanocomposites for the application of protective clothing. <i>Journal of Industrial Textiles</i> , 2018, 47, 727-740.	2.4	10
71	Cathodic deposition of copper on polyaniline-coated textiles from a citrate bath: effects of electroplating conditions. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 3621-3628.	2.2	9
72	Facile synthesis of goethite anchored regenerated graphene oxide nanocomposite and its application in the removal of fluoride from drinking water. <i>Desalination and Water Treatment</i> , 2016, 57, 28393-28404.	1.0	9

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73	All-exciple-based white organic light-emitting diodes by employing an interface-free sandwich light-emitting unit achieving high electroluminescence performance. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12247-12256.	5.5	8
74	Facile synthesis of highly efficient mpg-C ₃ N ₄ /TiO ₂ visible-light-induced photocatalyst and its formaldehyde removal performance in coating application. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	6
75	A Novel Method to Fabricate Nitrogen and Oxygen Co-Doped Flexible Cotton-Based Electrode for Wearable Supercapacitors. <i>ChemElectroChem</i> , 2019, 6, 4049-4058.	3.4	6
76	Electroless Nickel Metallization on Palladium-free Activated Polyamide Fabric for Electromagnetic Interference Shielding. <i>Fibers and Polymers</i> , 2021, 22, 2433-2439.	2.1	6
77	Chemically and Physically Modified Flame-Retardant Silicone-Acrylic Emulsion Adhesive for Electrostatic Flocking. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4342-4349.	3.7	5
78	Hierarchical Ni(OH) ₂ /Cu(OH) ₂ interwoven nanosheets <i>in situ</i> grown on Ni-Cu-P alloy plated cotton fabric for flexible high-performance energy storage. <i>Nanoscale Advances</i> , 2020, 2, 3358-3366.	4.6	5
79	The fabrication of flexible wearable electrodes based on a carbon nanotubes/nickel/nickelous hydroxide ternary composite by facile single-side printing technology. <i>Dalton Transactions</i> , 2021, 50, 12860-12869.	3.3	5
80	Pulse-potential electrochemical fabrication of coaxial-nanostructured polypyrrole/multiwall carbon nanotubes networks on cotton fabrics as stable flexible supercapacitor electrodes with high areal capacitance. <i>Cellulose</i> , 2019, 26, 4071-4084.	4.9	4
81	Comment on "Zirconium-Carbon Hybrid Sorbent for Removal of Fluoride from Water: Oxalic Acid Mediated Zr(IV) Assembly and Adsorption Mechanism"; <i>Environmental Science & Technology</i> , 2015, 49, 11982-11983.	10.0	3