Jie Chen

List of Publications by Year
in descending order

65 papers	2,885 citations	196777 29 h-index	198040 52 g-index
65 all docs	65 docs citations	65 times ranked	3515 citing authors

#	Article	IF	Citations
1	Facile one-pot synthesis of a BiOBr/Bi2WO6 heterojunction with enhanced visible-light photocatalytic activity for tetracycline degradation. Chinese Journal of Chemical Engineering, 2023, 53, 222-231.	1.7	6
2	Hollow urchin-like Mn3O4 microspheres as an advanced sulfur host for enabling Li-S batteries with high gravimetric energy density. Journal of Colloid and Interface Science, 2022, 606, 1111-1119.	5.0	21
3	Elastic three-dimensional Fe-doped polypyrrole aerogel current collector for high-loading and high-energy-density lithium-sulfur batteries. Journal of Alloys and Compounds, 2022, 899, 163298.	2.8	7
4	A COF-like conductive conjugated microporous poly(aniline) serving as a current collector modifier for high-performance Liâ€“S batteries. Journal of Materials Chemistry A, 2022, 10, 1359-1368.	5.2	26
5	Selective adsorption towards heavy metal ions on the green synthesized polythiophene/MnO2 with a synergetic effect. Journal of Cleaner Production, 2022, 338, 130536.	4.6	22
6	A strategy to facilitate the sedimentation and bactericidal properties of polypyrrole for fluoride removal from water. Separation and Purification Technology, 2022, 287, 120619.	3.9	11
7	Preparation of Zr-Based Phosphotungstic Acid Catalyst, ZrPTA_X-BTC, and Its Application in Ultradeep and Fast Oxidative Desulfurization of Fuels. Industrial & Engineering Chemistry Research, 2022, 61, 977-986.	1.8	5
8	Dual-functional sites for synergistic adsorption of Cr(VI) and Sb(V) by polyaniline-TiO2 hydrate: Adsorption behaviors, sites and mechanisms. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	3.3	12
9	Adsorption of Anionic Acid Red G Dye on Polyaniline Nanofibers Synthesized by FeCl3 Oxidant: Unravelling the Role of Synthetic Conditions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, , 129203.	2.3	7
10	Synergistic Fluoride Adsorption by Composite Adsorbents Synthesized From Different Types of Materialsâ€”A Review. Frontiers in Chemistry, 2022, 10, .	1.8	12
11	In situ grown MOFs and PVDF-HFP co-modified aramid gel nanofiber separator for high-safety lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2022, 10, 14098-14110.	5.2	14
12	Novel multiâ€“SO3H functionalized ionic liquids as highly efficient catalyst for synthesis of biodiesel. Green Energy and Environment, 2021, 6, 271-282.	4.7	31
13	Efficient adsorption of trace formaldehyde by polyaniline/TiO2 composite at room temperature and mechanism investigation. Atmospheric Pollution Research, 2021, 12, 1-11.	1.8	25
14	Highly selective removal of 2,4-dinitrotoluene for industrial wastewater treatment through hyper-cross-linked resins. Journal of Cleaner Production, 2021, 288, 125128.	4.6	6
15	Smart formaldehyde detection enabled by metal organic framework-derived doped electrospun hollow nanofibers. Sensors and Actuators B: Chemical, 2021, 326, 128819.	4.0	55
16	Insight into the effect of surface carboxyl and amino groups on the adsorption of titanium dioxide for acid red G. Frontiers of Chemical Science and Engineering, 2021, 15, 1147-1157.	2.3	2
17	Polymeric ionic liquids (PILs) with high acid density: Tunable catalytic performance for biodiesel production. Chinese Journal of Chemical Engineering, 2021, 38, 266-275.	1.7	3
18	A high-safety and multifunctional MOFs modified aramid nanofiber separator for lithium-sulfur batteries. Chemical Engineering Journal, 2021, 411, 128540.	6.6	95

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19	One-Dimensional Nanomaterials in Resistive Gas Sensor: From Material Design to Application. Chemosensors, 2021, 9, 198.	1.8	52
20	Insight into the ion exchange in the adsorptive removal of fluoride by doped polypyrrole from water. Environmental Science and Pollution Research, 2021, 28, 67267-67279.	2.7	11
21	Poly (triphenylamine)-decorated UIO-66-NH2 mesoporous architectures with enhanced photocatalytic activity for CO2 reduction and H2 evolution. Journal of CO2 Utilization, 2021, 51, 101654.	3.3	10
22	Comparison of the effect of PANI/TiO2, Dow resins and activated carbon in removing model dissolved organic matter (DOM) and phosphorus. Journal of Water Process Engineering, 2021, 43, 102302.	2.6	2
23	Efficient photocathodic protection enabled by a multi-dimensional quaternary hybrid superstructure. Chemical Engineering Journal, 2021, 421, 127858.	6.6	18
24	Multilayer Structure Ammoniated Collagen Fibers for Fast Adsorption of Anionic Dyes. ACS Omega, 2021, 6, 27070-27079.	1.6	9
25	Porosity Design on Conjugated Microporous Poly(Aniline)S for Exceptional Mercury(II) Removal. ACS Applied Materials & Interfaces, 2021, 13, 61653-61660.	4.0	27
26	Effects of calcination temperature on organic functional groups of TiO₂ and the adsorption performance of the TiO₂ for methylene blue. Separation Science and Technology, 2020, 55, 672-683.	1.3	11
27	Fouling control in ultrafiltration of secondary effluent using polyaniline/TiO2 adsorption and subsequent treatment of desorption eluate using electrochemical oxidation. Chemical Engineering Journal, 2020, 382, 122915.	6.6	22
28	Preparation of PPy/TiO2 core-shell nanorods film and its photocathodic protection for 304 stainless steel under visible light. Materials Research Bulletin, 2020, 124, 110751.	2.7	23
29	Treatment of cooling tower blowdown water by using adsorption-electrocatalytic oxidation: Technical performance, toxicity assessment and economic evaluation. Separation and Purification Technology, 2020, 252, 117484.	3.9	11
30	Exploiting Hansen solubility parameters to tune porosity and function in conjugated microporous polymers. Journal of Materials Chemistry A, 2020, 8, 22657-22665.	5.2	32
31	Ionic Liquid@Amphiphilic Silica Nanoparticles: Novel Catalysts for Converting Waste Cooking Oil to Biodiesel. ACS Sustainable Chemistry and Engineering, 2020, 8, 18054-18061.	3.2	22
32	Self-Reducible Conjugated Microporous Polyaniline for Long-Term Selective Cr(VI) Detoxication Driven by Tunable Pore Dimension. ACS Applied Materials & Interfaces, 2020, 12, 28681-28691.	4.0	23
33	Suppressing the Shuttle Effect and Dendrite Growth in Lithiumâ€“Sulfur Batteries. ACS Nano, 2020, 14, 9819-9831.	7.3	209
34	Spherical conjugated microporous polymers for solid phase microextraction of carbamate pesticides from water samples. Journal of Chromatography A, 2020, 1626, 461360.	1.8	20
35	High loading cotton cellulose-based aerogel self-standing electrode for Li-S batteries. Science Bulletin, 2020, 65, 803-811.	4.3	35
36	A New Conjugated Porous Polymer with Covalently Linked Polysulfide as Cathode Material for High-Rate Capacity and High Coulombic Efficiency Lithiumâ€“Sulfur Batteries. Journal of Physical Chemistry C, 2019, 123, 21327-21335.	1.5	21

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37	Tunable Surface Area, Porosity, and Function in Conjugated Microporous Polymers. Angewandte Chemie, 2019, 131, 11841-11845.	1.6	14
38	Lithiumâ€“Sulfur Batteries: Flexible and Highâ€Loading Lithiumâ€“Sulfur Batteries Enabled by Integrated Threeâ€Inâ€One Fibrous Membranes (Adv. Energy Mater. 38/2019). Advanced Energy Materials, 2019, 9, 1970147.	10.2	5
39	Flexible and Highâ€Loading Lithiumâ€“Sulfur Batteries Enabled by Integrated Threeâ€Inâ€One Fibrous Membranes. Advanced Energy Materials, 2019, 9, 1902001.	10.2	98
40	Easy separated 3D hierarchical coral-like magnetic polyaniline adsorbent with enhanced performance in adsorption and reduction of Cr(VI) and immobilization of Cr(III). Chemical Engineering Journal, 2019, 363, 107-119.	6.6	88
41	Enhanced adsorption performance of PPy/TiO2 prepared on surface of TiO2 without calcination. SN Applied Sciences, 2019, 1, 1.	1.5	2
42	Tunable Surface Area, Porosity, and Function in Conjugated Microporous Polymers. Angewandte Chemie - International Edition, 2019, 58, 11715-11719.	7.2	109
43	Enhancing Catalytic Activity of Titanium Oxide in Lithiumâ€“Sulfur Batteries by Band Engineering. Advanced Energy Materials, 2019, 9, 1900953.	10.2	326
44	Nanowire Array-Coated Flexible Substrate to Accommodate Lithium Plating for Stable Lithium-Metal Anodes and Flexible Lithiumâ€“Organic Batteries. ACS Applied Materials & Interfaces, 2019, 11, 20873-20880.	4.0	23
45	Rapid removal of ammonia nitrogen in low-concentration from wastewater by amorphous sodium titanate nano-particles. Science of the Total Environment, 2019, 668, 815-824.	3.9	36
46	Removal of methylene blue by Polyaniline/TiO2 hydrate: Adsorption kinetic, isotherm and mechanism studies. Powder Technology, 2019, 347, 93-102.	2.1	111
47	Study on the synthesis of poly(pyrrole methane)s with the hydroxyl in different substituent position and their selective adsorption for Pb2+. Chemical Engineering Journal, 2019, 361, 528-537.	6.6	51
48	Hydrophilic polythiophene/SiO2 composite for adsorption engineering: Green synthesis in aqueous medium and its synergistic and specific adsorption for heavy metals from wastewater. Chemical Engineering Journal, 2019, 360, 1486-1497.	6.6	53
49	Microwave-assisted preparation of nitrogen-doped biochars by ammonium acetate activation for adsorption of acid red 18. Applied Surface Science, 2018, 433, 222-231.	3.1	116
50	Microwave assisted modification of activated carbons by organic acid ammoniums activation for enhanced adsorption of acid red 18. Powder Technology, 2018, 323, 230-237.	2.1	49
51	Insight into the Synergistic Effect on Selective Adsorption for Heavy Metal Ions by a Polypyrrole/TiO₂ Composite. Langmuir, 2018, 34, 10187-10196.	1.6	45
52	Highly crystalline polyaniline nanofibers coating with low-cost biomass for easy separation and high efficient removal of anionic dye ARG from aqueous solution. Applied Surface Science, 2018, 458, 413-424.	3.1	54
53	Synergetic effect in a self-doping polyaniline/TiO2 composite for selective adsorption of heavy metal ions. Synthetic Metals, 2018, 245, 32-41.	2.1	41
54	Adsorption of polythiophene/TiO2 composite for Zn (II), Pb (II) and Cu (II): Selectivity and synergistic effect investigation. Applied Surface Science, 2018, 459, 318-326.	3.1	32

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55	Adsorption mechanism of phosphate by polyaniline/TiO 2 composite from wastewater. Chemical Engineering Journal, 2017, 316, 33-40.	6.6	112
56	Adsorbent synthesis of polypyrrole/TiO2 for effective fluoride removal from aqueous solution for drinking water purification: Adsorbent characterization and adsorption mechanism. Journal of Colloid and Interface Science, 2017, 495, 44-52.	5.0	77
57	Facile Modification of a Polythiophene/TiO₂ Composite Using Surfactants in an Aqueous Medium for an Enhanced Pb(II) Adsorption and Mechanism Investigation. Journal of Chemical & Engineering Data, 2017, 62, 2208-2221.	1.0	27
58	Enhanced adsorption capacity of polypyrrole/TiO₂ composite modified by carboxylic acid with hydroxyl group. RSC Advances, 2016, 6, 42572-42580.	1.7	15
59	Influence of metal oxides on the adsorption characteristics of PPy/metal oxides for Methylene Blue. Journal of Colloid and Interface Science, 2016, 475, 26-35.	5.0	99
60	Effect of hydroxyl group of carboxylic acids on the adsorption of Acid Red G and Methylene Blue on TiO2. Chemical Engineering Journal, 2015, 269, 316-322.	6.6	51
61	Synthesis of polyaniline/TiO₂composite with excellent adsorption performance on acid red G. RSC Advances, 2015, 5, 21132-21141.	1.7	60
62	Facile synthesis of a polythiophene/TiO₂ particle composite in aqueous medium and its adsorption performance for Pb(<scp>ii</scp>). RSC Advances, 2015, 5, 86945-86953.	1.7	42
63	Synthesis of PPy-modified TiO2 composite in H2SO4 solution and its novel adsorption characteristics for organic dyes. Chemical Engineering Journal, 2013, 225, 766-775.	6.6	69
64	Excellent adsorption and desorption characteristics of polypyrrole/TiO2 composite for Methylene Blue. Applied Surface Science, 2013, 279, 400-408.	3.1	118
65	Synthesis of polypyroleâ€modified TiO₂ composite adsorbent and its adsorption performance on acid Red G. Journal of Applied Polymer Science, 2013, 128, 3231-3239.	1.3	44