

Ruzhen Xie

List of Publications by Year in descending order

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27
papers

1,369
citations

471509

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526287

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all docs

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docs citations

27
times ranked

1255
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible-light-driven removal of atrazine by durable hollow core-shell TiO ₂ @LaFeO ₃ heterojunction coupling with peroxymonosulfate via enhanced electron-transfer. Applied Catalysis B: Environmental, 2022, 303, 120889.	20.2	76
2	Novel Pyrolusite-Templated Biochar as an Outstanding Catalyst for Persulfate Activation: Structural Design, Synergistic Effect, and Mechanism. Industrial & Engineering Chemistry Research, 2022, 61, 1885-1896.	3.7	6
3	Enhanced ciprofloxacin degradation by electrochemical activation of persulfate using iron decorated carbon membrane cathode: Promoting direct single electron transfer to produce IO ₂ . Chemical Engineering Journal, 2022, 437, 135264.	12.7	41
4	Novel sodalite stabilized zero-valent iron for super stable and outstanding efficiency in activating persulfate for organic pollutants fast removal. Science of the Total Environment, 2022, 825, 153893.	8.0	15
5	One-step fabrication of oxygen vacancy-enriched Fe@Ti/C composite for highly efficient degradation of organic pollutants through persulfate activation. Journal of Colloid and Interface Science, 2021, 583, 394-403.	9.4	29
6	Defect Engineering on a Ti ₄ O ₇ Electrode by Ce ³⁺ Doping for the Efficient Electrooxidation of Perfluorooctanesulfonate. Environmental Science & Technology, 2021, 55, 2597-2607.	10.0	100
7	Green Synthesis of Mesoporous Sodalite and Graphene Oxide Hybrid Sodalite Using Lithium Silica Fume Waste. ACS Sustainable Chemistry and Engineering, 2021, 9, 5085-5094.	6.7	12
8	Strategies for improving perovskite photocatalysts reactivity for organic pollutants degradation: A review on recent progress. Chemical Engineering Journal, 2021, 414, 128783.	12.7	135
9	Highly efficient removal of Cu(II) using mesoporous sodalite zeolite produced from industrial waste lithium-silicon-fume via reactive oxidation species route. Journal of Cleaner Production, 2021, 319, 128682.	9.3	12
10	Preparation and evaluation of nitrogen-tailored hierarchical meso-/micro-porous activated carbon for CO ₂ adsorption. Environmental Technology (United Kingdom), 2020, 41, 3544-3553.	2.2	12
11	An Efficient Catalytic Composite Material of Mesoporous Carbon Loaded Nano Zero-Valent Iron as an Activator for the Degradation of Sulfadiazine. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	6
12	Developing a low-pressure and super stable electrochemical tubular reactive filter: Outstanding efficiency for wastewater purification. Electrochimica Acta, 2020, 335, 135634.	5.2	35
13	Ultrafast removal of Cu(II) by a novel hierarchically structured faujasite-type zeolite fabricated from lithium silica fume. Science of the Total Environment, 2020, 714, 136724.	8.0	29
14	Facile synthesis of novel 3D flower-like magnetic La@Fe/C composites from ilmenite for efficient phosphate removal from aqueous solution. RSC Advances, 2019, 9, 28312-28322.	3.6	9
15	Selective adsorption of anionic dyes from aqueous solution by nickel (II) oxide. Journal of Water Supply: Research and Technology - AQUA, 2019, 68, 171-186.	1.4	7
16	Hydroxylamine-assisted catalytic degradation of ciprofloxacin in ferrate/persulfate system. Chemical Engineering Journal, 2019, 360, 612-620.	12.7	66
17	Catalytic degradation of tetracycline hydrochloride by persulfate activated with nano Fe ₀ immobilized mesoporous carbon. Chemical Engineering Journal, 2018, 341, 392-401.	12.7	208
18	Preparation and characterization of distillers' grain based activated carbon as low cost methylene blue adsorbent: Mass transfer and equilibrium modeling. Advanced Powder Technology, 2018, 29, 27-35.	4.1	47

#	ARTICLE	IF	CITATIONS
19	A reactive electrochemical filter system with an excellent penetration flux porous Ti/SnO ₂ –Sb filter for efficient contaminant removal from water. <i>RSC Advances</i> , 2018, 8, 13933-13944.	3.6	53
20	A novel mesoporous zeolite-activated carbon composite as an effective adsorbent for removal of ammonia-nitrogen and methylene blue from aqueous solution. <i>Bioresource Technology</i> , 2018, 268, 726-732.	9.6	64
21	The importance of surface functional groups in the adsorption of copper onto walnut shell derived activated carbon. <i>Water Science and Technology</i> , 2017, 76, 3022-3034.	2.5	61
22	Electrochemical oxidation of ofloxacin using a TiO ₂ -based SnO ₂ -Sb/polytetrafluoroethylene resin-PbO ₂ electrode: Reaction kinetics and mass transfer impact. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 515-525.	20.2	212
23	Equilibrium and kinetics studies of adsorption phosphate on raw and novel lithium silica fume based adsorbent. <i>Desalination and Water Treatment</i> , 2016, 57, 28794-28805.	1.0	3
24	Study on an effective industrial waste-based adsorbent for the adsorptive removal of phosphorus from wastewater: equilibrium and kinetics studies. <i>Water Science and Technology</i> , 2016, 73, 1891-1900.	2.5	7
25	Preparation of activated carbon from corn cob and its adsorption behavior on Cr(VI) removal. <i>Water Science and Technology</i> , 2016, 73, 2654-2661.	2.5	39
26	Effect of pyrolusite loading on sewage sludge-based activated carbon in Cu(II), Pb(II), and Cd(II) adsorption. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 1066-1073.	2.3	33
27	Walnut shell-based activated carbon with excellent copper (II) adsorption and lower chromium (VI) removal prepared by acid–base modification. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 688-696.	2.3	52