

# Ruzhen Xie

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

1,369  
citations

471509

17  
h-index

526287

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1255  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical oxidation of ofloxacin using a TiO <sub>2</sub> -based SnO <sub>2</sub> -Sb/polytetrafluoroethylene resin-PbO <sub>2</sub> electrode: Reaction kinetics and mass transfer impact. <i>Applied Catalysis B: Environmental</i> , 2017, 203, 515-525.	20.2	212
2	Catalytic degradation of tetracycline hydrochloride by persulfate activated with nano FeO immobilized mesoporous carbon. <i>Chemical Engineering Journal</i> , 2018, 341, 392-401.	12.7	208
3	Strategies for improving perovskite photocatalysts reactivity for organic pollutants degradation: A review on recent progress. <i>Chemical Engineering Journal</i> , 2021, 414, 128783.	12.7	135
4	Defect Engineering on a Ti <sub>4</sub> O <sub>7</sub> Electrode by Ce <sup>3+</sup> Doping for the Efficient Electrooxidation of Perfluorooctanesulfonate. <i>Environmental Science &amp; Technology</i> , 2021, 55, 2597-2607.	10.0	100
5	Visible-light-driven removal of atrazine by durable hollow core-shell TiO <sub>2</sub> @LaFeO <sub>3</sub> heterojunction coupling with peroxymonosulfate via enhanced electron-transfer. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120889.	20.2	76
6	Hydroxylamine-assisted catalytic degradation of ciprofloxacin in ferrate/persulfate system. <i>Chemical Engineering Journal</i> , 2019, 360, 612-620.	12.7	66
7	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
8	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
9	A reactive electrochemical filter system with an excellent penetration flux porous Ti/SnO <sub>2</sub> -Sb filter for efficient contaminant removal from water. <i>RSC Advances</i> , 2018, 8, 13933-13944.	3.6	53
10	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
11	Preparation and characterization of distillers grain based activated carbon as low cost methylene blue adsorbent: Mass transfer and equilibrium modeling. <i>Advanced Powder Technology</i> , 2018, 29, 27-35.	4.1	47
12	Enhanced ciprofloxacin degradation by electrochemical activation of persulfate using iron decorated carbon membrane cathode: Promoting direct single electron transfer to produce IO <sub>2</sub> . <i>Chemical Engineering Journal</i> , 2022, 437, 135264.	12.7	41
13	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
14	Developing a low-pressure and super stable electrochemical tubular reactive filter: Outstanding efficiency for wastewater purification. <i>Electrochimica Acta</i> , 2020, 335, 135634.	5.2	35
15	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
16	Ultrafast removal of Cu(II) by a novel hierarchically structured faujasite-type zeolite fabricated from lithium silica fume. <i>Science of the Total Environment</i> , 2020, 714, 136724.	8.0	29
17	One-step fabrication of oxygen vacancy-enriched Fe@Ti/C composite for highly efficient degradation of organic pollutants through persulfate activation. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 394-403.	9.4	29
18	Novel sodalite stabilized zero-valent iron for super stable and outstanding efficiency in activating persulfate for organic pollutants fast removal. <i>Science of the Total Environment</i> , 2022, 825, 153893.	8.0	15

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19	Preparation and evaluation of nitrogen-tailored hierarchical meso-/micro-porous activated carbon for CO <sub>2</sub> adsorption. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 3544-3553.	2.2	12
20	Green Synthesis of Mesoporous Sodalite and Graphene Oxide Hybrid Sodalite Using Lithium Silica Fume Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5085-5094.	6.7	12
21	Highly efficient removal of Cu(II) using mesoporous sodalite zeolite produced from industrial waste lithium-silicon-fume via reactive oxidation species route. <i>Journal of Cleaner Production</i> , 2021, 319, 128682.	9.3	12
22	Facile synthesis of novel 3D flower-like magnetic La@Fe/C composites from ilmenite for efficient phosphate removal from aqueous solution. <i>RSC Advances</i> , 2019, 9, 28312-28322.	3.6	9
23	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
24	Selective adsorption of anionic dyes from aqueous solution by nickel (II) oxide. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2019, 68, 171-186.	1.4	7
25	An Efficient Catalytic Composite Material of Mesoporous Carbon Loaded Nano Zero-Valent Iron as an Activator for the Degradation of Sulfadiazine. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	6
26	Novel Pyrolusite-Templated Biochar as an Outstanding Catalyst for Persulfate Activation: Structural Design, Synergistic Effect, and Mechanism. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 1885-1896.	3.7	6
27	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