

# Yuan Gao

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25  
papers

1,505  
citations

16  
h-index

25  
g-index

25  
ext. papers

2,063  
ext. citations

8.4  
avg, IF

4.86  
L-index

#	Paper	IF	Citations
25	Activation of Peroxymonosulfate by Benzoquinone: A Novel Nonradical Oxidation Process. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 12941-50	10.3	602
24	Activation of peroxymonosulfate by phenols: Important role of quinone intermediates and involvement of singlet oxygen. <i>Water Research</i> , <b>2017</b> , 125, 209-218	12.5	152
23	Enhanced degradation of ciprofloxacin by graphitized mesoporous carbon (GMC)-TiO <sub>2</sub> nanocomposite: Strong synergy of adsorption-photocatalysis and antibiotics degradation mechanism. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 527, 202-213	9.3	104
22	Insight into activated carbon from different kinds of chemical activating agents: A review. <i>Science of the Total Environment</i> , <b>2020</b> , 746, 141094	10.2	99
21	Comparisons of porous, surface chemistry and adsorption properties of carbon derived from <i>Enteromorpha prolifera</i> activated by H <sub>2</sub> P <sub>2</sub> O <sub>7</sub> and KOH. <i>Chemical Engineering Journal</i> , <b>2013</b> , 232, 582-590	14.7	65
20	Facile synthesis of nano ZnO/ZnS modified biochar by directly pyrolyzing of zinc contaminated corn stover for Pb(II), Cu(II) and Cr(VI) removals. <i>Waste Management</i> , <b>2018</b> , 79, 625-637	8.6	63
19	Transformation of Flame Retardant Tetrabromobisphenol A by Aqueous Chlorine and the Effect of Humic Acid. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 9608-18	10.3	52
18	Kinetics of Oxidation of Iodide (I <sup>-</sup> ) and Hypoiodous Acid (HOI) by Peroxymonosulfate (PMS) and Formation of Iodinated Products in the PMS/H <sub>2</sub> NOM System. <i>Environmental Science and Technology Letters</i> , <b>2017</b> , 4, 76-82	11	49
17	Chlorination of bisphenol S: Kinetics, products, and effect of humic acid. <i>Water Research</i> , <b>2018</b> , 131, 208-217	11.3	39
16	Preparation of highly developed mesoporous activated carbon by H <sub>2</sub> P <sub>2</sub> O <sub>7</sub> activation and its adsorption behavior for oxytetracycline. <i>Powder Technology</i> , <b>2013</b> , 249, 54-62	5.2	37
15	High-yield and high-performance porous biochar produced from pyrolysis of peanut shell with low-dose ammonium polyphosphate for chloramphenicol adsorption. <i>Journal of Cleaner Production</i> , <b>2020</b> , 264, 121516	10.3	32
14	Transformation of phenolic compounds by peroxymonosulfate in the presence of iodide and formation of iodinated aromatic products. <i>Chemical Engineering Journal</i> , <b>2018</b> , 335, 855-864	14.7	31
13	Self-activation of biochar from furfural residues by recycled pyrolysis gas. <i>Waste Management</i> , <b>2018</b> , 77, 312-321	8.6	24
12	Degradation of antibiotic pollutants by persulfate activated with various carbon materials. <i>Chemical Engineering Journal</i> , <b>2022</b> , 429, 132387	14.7	23
11	Facile synthesis of high-surface area mesoporous biochar for energy storage via in-situ template strategy. <i>Materials Letters</i> , <b>2018</b> , 230, 183-186	3.3	20
10	Optimization of high surface area activated carbon production from <i>Enteromorpha prolifera</i> with low-dose activating agent. <i>Fuel Processing Technology</i> , <b>2015</b> , 132, 180-187	7.2	20
9	Preparation of well-developed mesoporous activated carbon with high yield by ammonium polyphosphate activation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2016</b> , 66, 394-399	5.3	15

8	Facile one-step synthesis of functionalized biochar from sustainable prolifera-green-tide source for enhanced adsorption of copper ions. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 73, 185-194	6.4	14
7	Activated carbons with well-developed mesoporosity prepared by activation with different alkali salts. <i>Materials Letters</i> , <b>2015</b> , 146, 34-36	3.3	14
6	Facile synthesis of hierarchical porous carbon material by potassium tartrate activation for chloramphenicol removal. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 85, 141-148	5.3	13
5	Synthesis of honeycomb-like hierarchical porous carbon via molten salt pyrolysis in a novel sequencing integration system for high-performance supercapacitors. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 278, 195-205	5.3	13
4	Edge defects-enriched porous carbon derived from food waste for high-performance supercapacitors. <i>Materials Letters</i> , <b>2019</b> , 253, 74-77	3.3	8
3	Iodine Atom or Hypoiodous Acid? Comment on "Rapid Selective Circumneutral Degradation of Phenolic Pollutants Using Peroxymonosulfate-Iodide Metal-Free Oxidation: Role of Iodine Atoms". <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 9410-9411	10.3	7
2	Evaluation of pyrolysis residue of oil sludge for recycling as bed material. <i>Canadian Journal of Chemical Engineering</i> , <b>2020</b> , 98, 465-474	2.3	5
1	Application for oxytetracycline wastewater pretreatment by Fe-C-Ni catalytic cathodic-anodic-electrolysis granular fillers from rare-earth tailings. <i>Ecotoxicology and Environmental Safety</i> , <b>2018</b> , 164, 641-647	7	4