

# Weijun Peng

## List of Publications by Year in descending order

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35  
papers

1,832  
citations

393982

19  
h-index

360668

35  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2400  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on heavy metal ions adsorption from water by graphene oxide and its composites. <i>Journal of Molecular Liquids</i> , 2017, 230, 496-504.	2.3	658
2	Synthesis of Fluorinated Graphene/CoAl-Layered Double Hydroxide Composites as Electrode Materials for Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 5204-5212.	4.0	125
3	Adsorption of methylene blue on graphene oxide prepared from amorphous graphite: Effects of pH and foreign ions. <i>Journal of Molecular Liquids</i> , 2016, 221, 82-87.	2.3	121
4	Comparison of Pb(II) adsorption onto graphene oxide prepared from natural graphites: Diagramming the Pb(II) adsorption sites. <i>Applied Surface Science</i> , 2016, 364, 620-627.	3.1	114
5	Fabrication of 3D flower-like MoS <sub>2</sub> /graphene composite as high-performance electrode for capacitive deionization. <i>Desalination</i> , 2020, 473, 114191.	4.0	95
6	Comprehensive evaluation on a prospective precipitation-flotation process for metal-ions removal from wastewater simulants. <i>Journal of Hazardous Materials</i> , 2019, 371, 592-602.	6.5	77
7	A review of the applications of ion floatation: wastewater treatment, mineral beneficiation and hydrometallurgy. <i>RSC Advances</i> , 2019, 9, 20226-20239.	1.7	63
8	Emerging Hexagonal Mo <sub>2</sub> C Nanosheet with (002) Facet Exposure and Cu Incorporation for Peroxymonosulfate Activation Toward Antibiotic Degradation. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 14342-14354.	4.0	53
9	Overview of cobalt resources and comprehensive analysis of cobalt recovery from zinc plant purification residue- a review. <i>Hydrometallurgy</i> , 2020, 193, 105327.	1.8	37
10	Characterisation of reduced graphene oxides prepared from natural flaky, lump and amorphous graphites. <i>Materials Research Bulletin</i> , 2016, 78, 119-127.	2.7	36
11	Synthesis of NiCo <sub>2</sub> S <sub>4</sub> nanospheres/reduced graphene oxide composite as electrode material for supercapacitor. <i>Current Applied Physics</i> , 2020, 20, 304-309.	1.1	36
12	Facile preparation of sulfhydryl modified montmorillonite nanosheets hydrogel and its enhancement for Pb(II) adsorption. <i>Chemosphere</i> , 2021, 280, 130727.	4.2	35
13	3D-printed montmorillonite nanosheets based hydrogel with biocompatible polymers as excellent adsorbent for Pb(II) removal. <i>Separation and Purification Technology</i> , 2022, 283, 120176.	3.9	34
14	Effect of oxidation degree of graphene oxide on the electrochemical performance of CoAl-layered double hydroxide/graphene composites. <i>Applied Materials Today</i> , 2017, 7, 201-211.	2.3	32
15	Enhanced separation of pyrite from high-sulfur bauxite using 2-mercaptobenzimidazole as chelate collector: Flotation optimization and interaction mechanisms. <i>Minerals Engineering</i> , 2018, 129, 93-101.	1.8	32
16	Efficiently removing Pb(II) from wastewater by graphene oxide using foam flotation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 556, 266-272.	2.3	32
17	Does silicate mineral impurities in natural graphite affect the characteristics of synthesized graphene?. <i>Materials Research Bulletin</i> , 2016, 74, 333-339.	2.7	27
18	Preparation and characterization of flowerlike Al-doped Ni(OH) <sub>2</sub> for supercapacitor applications. <i>Chemical Physics</i> , 2019, 521, 55-60.	0.9	24

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19	A perspective of stepwise utilization of hazardous zinc plant purification residue based on selective alkaline leaching of zinc. <i>Journal of Hazardous Materials</i> , 2020, 389, 122090.	6.5	23
20	Enhanced capacitive deionization of defect-containing MoS <sub>2</sub> /graphene composites through introducing appropriate MoS <sub>2</sub> defect. <i>Electrochimica Acta</i> , 2021, 383, 138363.	2.6	22
21	Insight the effect of crystallinity of natural graphite on the electrochemical performance of reduced graphene oxide. <i>Results in Physics</i> , 2018, 11, 131-137.	2.0	19
22	Increasing the Fine Flaky Graphite Recovery in Flotation via a Combined MultipleTreatments Technique of Middlings. <i>Minerals (Basel, Switzerland)</i> , 2017, 7, 208.	0.8	18
23	On the correlation between froth stability and viscosity in flotation. <i>Minerals Engineering</i> , 2020, 149, 106269.	1.8	18
24	Enhancing the ion flotation removal of Cu(â€¦) via regulating the oxidation degree of nano collector-graphene oxide. <i>Journal of Cleaner Production</i> , 2021, 295, 126397.	4.6	18
25	Effect of droplet size of the emulsified kerosene on the floatation of amorphous graphite. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 889-894.	1.3	15
26	Insight into the effect of oxidation degree of graphene oxides on their removal from wastewater via froth flotation. <i>Chemosphere</i> , 2021, 262, 127837.	4.2	14
27	Adsorption of Zn(II) on graphene oxide prepared from lowâ€purity of amorphous graphite. <i>Surface and Interface Analysis</i> , 2017, 49, 398-404.	0.8	12
28	Highly efficient and selective recovery of Cu(II) from wastewater via ion flotation with amidoxime functionalized graphene oxide as nano collector. <i>Separation and Purification Technology</i> , 2021, 279, 119674.	3.9	10
29	Removal of Potassium and Iron in Low Grade Bauxite by a Calcination-Acid Leaching Process. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 125.	0.8	9
30	An Insight into Flotation Chemistry of Pyrite with Isomeric Xanthates: A Combined Experimental and Computational Study. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 166.	0.8	8
31	Efficiently removing cetyl trimethyl ammonium bromide from wastewater by graphene oxide. <i>Surface and Interface Analysis</i> , 2020, 52, 611-619.	0.8	6
32	Facile synthesis of fluorinated graphene/NiCo <sub>2</sub> O <sub>4</sub> nanorods composite with high supercapacitive performance. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 3177-3184.	1.6	4
33	Application of Waste Engine Oil for Improving Ilmenite Flotation Combined with Sodium Oleate Collector. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1242.	0.8	3
34	Enhanced adsorption performance of the graphene oxide with metallic ion impurities by elution. <i>Surface and Interface Analysis</i> , 2017, 49, 728-734.	0.8	1
35	Recovery of Au(CN) <sub>2</sub> <sup>-</sup> by adsorption using reduced graphene oxide/ascorbic acid hydrogel. <i>Mineral Processing and Extractive Metallurgy: Transactions of the Institute of Mining and Metallurgy</i> , 2018, 127, 140-145.	0.1	1