Ibrahim Maamoun

List of Publications by Year
in descending order

20	961	430874 18	752698 20
papers	citations	h-index	g-index

20	20	20	471
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Magnetic zeolite synthesis for efficient removal of cesium in a lab-scale continuous treatment system. Journal of Colloid and Interface Science, 2020, 571, 66-79.	9.4	106
2	Enhancing the characteristics and reactivity of nZVI: Polymers effect and mechanisms. Journal of Molecular Liquids, 2020, 315, 113714.	4.9	77
3	Insights into kinetics, isotherms and thermodynamics of phosphorus sorption onto nanoscale zero-valent iron. Journal of Molecular Liquids, 2021, 328, 115402.	4.9	73
4	Encapsulation of iron nanoparticles with magnesium hydroxide shell for remarkable removal of ciprofloxacin from contaminated water. Journal of Colloid and Interface Science, 2022, 605, 813-827.	9.4	70
5	Efficient treatment of ammonia-nitrogen contaminated waters by nano zero-valent iron/zeolite composite. Chemosphere, 2022, 287, 131990.	8.2	66
6	Promoting aqueous and transport characteristics of highly reactive nanoscale zero valent iron via different layered hydroxide coatings. Applied Surface Science, 2020, 506, 145018.	6.1	58
7	Multi-objective optimization of permeable reactive barrier design for Cr(VI) removal from groundwater. Ecotoxicology and Environmental Safety, 2020, 200, 110773.	6.0	58
8	Investigating the design parameters for a permeable reactive barrier consisting of nanoscale zero-valent iron and bimetallic iron/copper for phosphate removal. Journal of Molecular Liquids, 2020, 299, 112144.	4.9	53
9	Phosphate Removal Through Nano-Zero-Valent Iron Permeable Reactive Barrier; Column Experiment and Reactive Solute Transport Modeling. Transport in Porous Media, 2018, 125, 395-412.	2.6	51
10	Synthesis of hybrid magnesium hydroxide/magnesium oxide nanorods [Mg(OH)2/MgO] for prompt and efficient adsorption of ciprofloxacin from aqueous solutions. Journal of Cleaner Production, 2022, 342, 130949.	9.3	44
11	Multi-functional magnesium hydroxide coating for iron nanoparticles towards prolonged reactivity in Cr(VI) removal from aqueous solutions. Journal of Environmental Chemical Engineering, 2022, 10, 107431.	6.7	41
12	New insight for electricity amplification in microbial fuel cells (MFCs) applying magnesium hydroxide coated iron nanoparticles. Energy Conversion and Management, 2021, 249, 114877.	9.2	40
13	Promotion of ciprofloxacin adsorption from contaminated solutions by oxalate modified nanoscale zerovalent iron particles. Journal of Molecular Liquids, 2022, 359, 119323.	4.9	39
14	Stimulating effect of magnesium hydroxide on aqueous characteristics of iron nanocomposites. Water Science and Technology, 2019, 80, 1996-2002.	2.5	34
15	Impact of nZVI on the formation of aerobic granules, bacterial growth and nutrient removal using aerobic sequencing batch reactor. Environmental Technology and Innovation, 2020, 19, 100911.	6.1	34
16	Insights into boron removal from water using Mg-Al-LDH: Reaction parameters optimization & 3D-RSM modeling. Journal of Water Process Engineering, 2022, 46, 102608.	5.6	34
17	Rapid and efficient chromium (VI) removal from aqueous solutions using nickel hydroxide nanoplates (nNiHs). Journal of Molecular Liquids, 2022, 358, 119216.	4.9	33
18	A novel method to improve methane generation from waste sludge using iron nanoparticles coated with magnesium hydroxide. Renewable and Sustainable Energy Reviews, 2022, 158, 112192.	16.4	31

#	Article	IF	Citations
19	Chemical deposition of iron nanoparticles (Fe0) on titanium nanowires for efficient adsorption of ciprofloxacin from water. Water Practice and Technology, 2022, 17, 75-83.	2.0	17
20	Novel Grapheneâ€Based Foam Composite As a Highly Reactive Filter Medium for the Efficient Removal of Gemfibrozil from (Waste)Water. Advanced Sustainable Systems, 2022, 6, .	5.3	2