Kok Yuen Koh

List of Publications by Year
in descending order

16	567	759190 12	940516 16
papers	citations	h-index	g-index

16	16	16	364
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrothermally synthesized lanthanum carbonate nanorod for adsorption of phosphorus: Material synthesis and optimization, and demonstration of excellent performance. Chemical Engineering Journal, 2020, 380, 122153.	12.7	114
2	An innovative lanthanum carbonate grafted microfibrous composite for phosphate adsorption in wastewater. Journal of Hazardous Materials, 2020, 392, 121952.	12.4	95
3	Rare-earth metal based adsorbents for effective removal of arsenic from water: A critical review. Critical Reviews in Environmental Science and Technology, 2018, 48, 1127-1164.	12.8	65
4	Microcystis aeruginosa removal by peroxides of hydrogen peroxide, peroxymonosulfate and peroxydisulfate without additional activators. Water Research, 2021, 201, 117263.	11.3	53
5	Cost-effective phosphorus removal from aqueous solution by a chitosan/lanthanum hydrogel bead: Material development, characterization of uptake process and investigation of mechanisms. Chemosphere, 2022, 286, 131458.	8.2	40
6	Improvement of Ultrafiltration for Treatment of Phosphorus-Containing Water by a Lanthanum-Modified Aminated Polyacrylonitrile Membrane. ACS Omega, 2020, 5, 7170-7181.	3.5	38
7	Modification of polyvinylidene fluoride membrane by silver nanoparticles-graphene oxide hybrid nanosheet for effective membrane biofouling mitigation. Chemosphere, 2021, 268, 129187.	8.2	36
8	Great enhancement in phosphate uptake onto lanthanum carbonate grafted microfibrous composite under a low-voltage electrostatic field. Chemosphere, 2021, 264, 128378.	8.2	27
9	An optimized CaO2-functionalized alginate bead for simultaneous and efficient removal of phosphorous and harmful cyanobacteria. Science of the Total Environment, 2022, 806, 150382.	8.0	21
10	Adsorption of organic and inorganic arsenic from aqueous solution: Optimization, characterization and performance of Feâ€“Mnâ€“Zr ternary magnetic sorbent. Chemosphere, 2022, 288, 132634.	8.2	19
11	A new adsorbent of gadolinium-1,4-benzenedicarboxylate composite for better phosphorous removal in aqueous solutions. Journal of Colloid and Interface Science, 2019, 543, 343-351.	9.4	15
12	Incorporation of lanthanum particles to polyethersulfone ultrafiltration membrane for specific phosphorus uptake: Method comparison and performance assessment. Journal of Colloid and Interface Science, 2021, 601, 242-253.	9.4	14
13	Kinetics and Mechanism Investigation of Selective Arsenite Oxidation by Reactive Iodine Species in Hydrogen Peroxide and Iodide (H₂O₂/I^{â€}) System. ACS ES&T Water, 2021, 1, 1515-1523.	4.6	13
14	Leaching of organic matters and formation of disinfection by-product as a result of presence of microplastics in natural freshwaters. Chemosphere, 2022, 299, 134300.	8.2	11
15	Design and optimization of an innovative lanthanum/chitosan bead for efficient phosphate removal and study of process performance and mechanisms. Chemosphere, 2022, 306, 135468.	8.2	5
16	A visible light-driven photocatalysis process by alginate beads coupled with in-situ cadmium sulfide prepared for decontamination in aqueous solutions with treatment of chromium as an example. Chemical Engineering Journal Advances, 2022, 11, 100356.	5.2	1