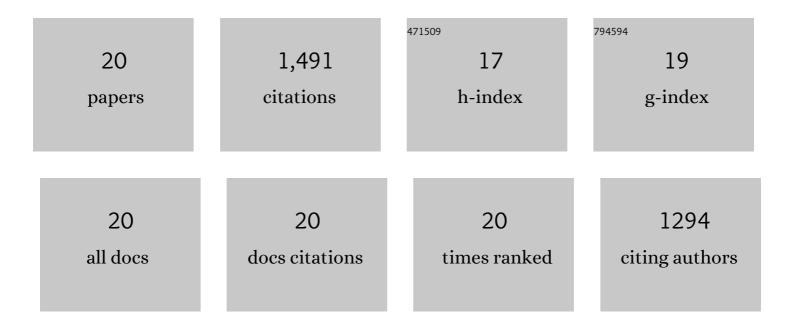
Yanyang Zhang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Electro-peroxone enables efficient Cr removal and recovery from Cr(III) complexes and inhibits intermediate Cr(VI) generation in wastewater: Performance and mechanism. Water Research, 2022, 218, 118502.	11.3	22
2	Facet-dependent phosphate adsorptive reactivity by lanthanum hydroxides of different crystal structure: Role of surface hydroxyl groups. Applied Surface Science, 2021, 538, 147910.	6.1	17
3	Utilization of gel-type polystyrene host for immobilization of nano-sized hydrated zirconium oxides: A new strategy for enhanced phosphate removal. Chemosphere, 2021, 263, 127938.	8.2	26
4	Validation of pilot-scale phosphate polishing removal from surface water by lanthanum-based polymeric nanocomposite. Chemical Engineering Journal, 2021, 412, 128630.	12.7	22
5	Scaled-up development of magnetically recyclable Fe3O4/La(OH)3 composite for river water phosphate removal: From bench-scale to pilot-scale study. Science of the Total Environment, 2021, 791, 148281.	8.0	15
6	Scenario oriented strategies for phosphorus management by using environmental nanotechnology. Current Opinion in Chemical Engineering, 2021, 34, 100720.	7.8	0
7	Structural Evolution of Lanthanum Hydroxides during Long-Term Phosphate Mitigation: Effect of Nanoconfinement. Environmental Science & amp; Technology, 2021, 55, 665-676.	10.0	50
8	Selective Phosphate Removal from Water and Wastewater using Sorption: Process Fundamentals and Removal Mechanisms. Environmental Science & Technology, 2020, 54, 50-66.	10.0	437
9	New insights into the fractionation of effluent organic matter on diagnosis of key composition affecting advanced phosphate removal by Zr-based nanocomposite. Water Research, 2020, 186, 116299.	11.3	17
10	Integrating water quality and operation into prediction of water production in drinking water treatment plants by genetic algorithm enhanced artificial neural network. Water Research, 2019, 164, 114888.	11.3	98
11	Fluoride uptake by three lanthanum based nanomaterials: Behavior and mechanism dependent upon lanthanum species. Science of the Total Environment, 2019, 683, 609-616.	8.0	45
12	Unexpected Favorable Role of Ca ²⁺ in Phosphate Removal by Using Nanosized Ferric Oxides Confined in Porous Polystyrene Beads. Environmental Science & Technology, 2019, 53, 365-372.	10.0	88
13	Enhanced Defluoridation Using Novel Millisphere Nanocomposite of La-Doped Li-Al Layered Double Hydroxides Supported by Polymeric Anion Exchanger. Scientific Reports, 2018, 8, 11741.	3.3	41
14	Efficient defluoridation of water using reusable nanocrystalline layered double hydroxides impregnated polystyrene anion exchanger. Water Research, 2016, 102, 109-116.	11.3	87
15	Enhanced HO production from ozonation activated by EDTA. Chemical Engineering Journal, 2016, 288, 562-568.	12.7	24
16	Arsenate Adsorption by Hydrous Ferric Oxide Nanoparticles Embedded in Cross-linked Anion Exchanger: Effect of the Host Pore Structure. ACS Applied Materials & Interfaces, 2016, 8, 3012-3020.	8.0	85
17	Enhanced Phosphate Removal by Nanosized Hydrated La(III) Oxide Confined in Cross-linked Polystyrene Networks. Environmental Science & Technology, 2016, 50, 1447-1454.	10.0	265
18	Self-enhanced ozonation of benzoic acid at acidic pHs. Water Research, 2015, 73, 9-16.	11.3	46

#	Article	IF	CITATIONS
19	Struvite-based phosphorus recovery from the concentrated bioeffluent by using HFO nanocomposite adsorption: Effect of solution chemistry. Chemosphere, 2015, 141, 227-234.	8.2	29
20	Modeling batch and column phosphate removal by hydrated ferric oxide-based nanocomposite using response surface methodology and artificial neural network. Chemical Engineering Journal, 2014, 249, 111-120.	12.7	77