# Yanyang Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2824377/publications.pdf

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| 20 | 1,491 | 471509 17 | 794594 19 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 20 | 20 | 20 | 1294 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | 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 & 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<sup>2+</sup> 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 |