

Yiang Fan

List of Publications by Year in descending order

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23
papers

661
citations

566801

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h-index

676716

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g-index

23
all docs

23
docs citations

23
times ranked

849
citing authors

#	ARTICLE	IF	CITATIONS
1	Functionalized agricultural biomass as a low-cost adsorbent: Utilization of rice straw incorporated with amine groups for the adsorption of Cr(VI) and Ni(II) from single and binary systems. <i>Biochemical Engineering Journal</i> , 2016, 105, 27-35.	1.8	95
2	Factors and mechanisms that influence the reactivity of trivalent copper: A novel oxidant for selective degradation of antibiotics. <i>Water Research</i> , 2019, 149, 1-8.	5.3	64
3	Degradation mechanisms of ofloxacin and cefazolin using peroxymonosulfate activated by reduced graphene oxide-CoFe ₂ O ₄ composites. <i>Chemical Engineering Journal</i> , 2020, 383, 123056.	6.6	63
4	Activated Biochar Prepared by Pomelo Peel Using H ₃ PO ₄ for the Adsorption of Hexavalent Chromium: Performance and Mechanism. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	62
5	Mono/competitive adsorption of Arsenic(III) and Nickel(II) using modified green tea waste. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 60, 213-221.	2.7	54
6	Freestanding 3-dimensional macro-porous SnO ₂ electrodes for efficient electrochemical degradation of antibiotics in wastewater. <i>Chemical Engineering Journal</i> , 2021, 422, 130032.	6.6	49
7	In-situ synthesis of monodispersed Cu ₂ O heterostructure on porous carbon monolith for exceptional removal of gaseous Hg ⁰ . <i>Applied Catalysis B: Environmental</i> , 2020, 265, 118556.	10.8	32
8	Nonradical degradation of microorganic pollutants by magnetic N-doped graphitic carbon: A complement to the unactivated peroxymonosulfate. <i>Chemical Engineering Journal</i> , 2020, 392, 123724.	6.6	28
9	Highly efficient catalysts of phytic acid-derivative cobalt phosphide encapsulated in N, P-codoped carbon for activation of peroxymonosulfate in norfloxacin degradation. <i>Separation and Purification Technology</i> , 2021, 264, 118367.	3.9	28
10	Adsorption of hexavalent chromium onto Bamboo Charcoal grafted by Cu ²⁺ -N-aminopropylsilane complexes: Optimization, kinetic, and isotherm studies. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 46, 222-233.	2.9	27
11	Fabrication of a permeable SnO ₂ -Sb reactive anodic filter for high-efficiency electrochemical oxidation of antibiotics in wastewater. <i>Environment International</i> , 2021, 157, 106827.	4.8	27
12	A Fe-OSA/Nafion composite film-decorated glassy carbon electrode as a sensor for detection of Pb(II), Cd(II) and Cu(II). <i>Analytical Methods</i> , 2017, 9, 5618-5631.	1.3	25
13	Synthesis of Novel Magnetic NiFe ₂ O ₄ Nanocomposite Grafted Chitosan and the Adsorption Mechanism of Cr(VI). <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 290-301.	1.9	25
14	Utilization of industrial waste as a novel adsorbent: Mono/competitive adsorption of chromium(VI) and nickel(II) using diatomite waste modified by EDTA. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3977.	1.7	19
15	High-Efficiency Capture and Recovery of Anionic Perfluoroalkyl Substances from Water Using PVA/PDDA Nanofibrous Membranes with Near-Zero Energy Consumption. <i>Environmental Science and Technology Letters</i> , 2021, 8, 350-355.	3.9	17
16	Highly crystalline lithium chloride-intercalated graphitic carbon nitride hollow nanotubes for effective lead removal. <i>Environmental Science: Nano</i> , 2019, 6, 3324-3335.	2.2	16
17	Supported palladium nanoparticles as highly efficient catalysts for radical production: Support-dependent synergistic effects. <i>Chemosphere</i> , 2018, 207, 27-32.	4.2	9
18	Facile and effective synthesis of adsorbent – utilization of yeast cells immobilized in sodium alginate beads for the adsorption of phosphorus in aqueous solution. <i>Water Science and Technology</i> , 2017, 75, 75-83.	1.2	7

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19	The synthesis of Fe-Al hydroxides coated with EDTA-Cross-linked β -Cyclodextrin and adsorption mechanism for As (III). Journal of Molecular Liquids, 2017, 242, 520-530.	2.3	5
20	$\text{Co}_2\text{O}_3\text{-NH}_2\text{-MCM-41}$ Decorated Graphite as an Effective Electrode: Synthesis, Characterization and its Application for Electro-catalytic Oxidation of Acid Red 1. Electroanalysis, 2017, 29, 794-805.	1.5	5
21	Evaluation of the mesoporous silica material MCM-41 for competitive adsorption of Basic Violet 5BN and Basic Green from industrial dye wastewater. Desalination and Water Treatment, 2016, 57, 17494-17511.	1.0	2
22	Facile synthesis of metal ion-cross-linked alginate electrode for efficient organic dye removal. Ionics, 2019, 25, 1929-1941.	1.2	2
23	Mono/competitive adsorption of hexavalent chromium and acid fuchsin dye onto bamboo charcoal modified by Cu^{2+} -N-aminopropylsilane complexes via response surface methodology. , 0, 92, 222-244.		0