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List of Publications by Year
in descending order

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50 papers	1,408 citations	257357 24 h-index	345118 36 g-index
50 all docs	50 docs citations	50 times ranked	1308 citing authors

#	Article	IF	Citations
1	Electrospun-based TiO₂ nanofibers for organic pollutant photodegradation: a comprehensive review. Reviews in Chemical Engineering, 2022, 38, 641-668.	2.3	4
2	Updated review on microplastics in water, their occurrence, detection, measurement, environmental pollution, and the need for regulatory standards. Environmental Pollution, 2022, 292, 118421.	3.7	63
3	Effects of nitrogen/bismuth-doping on the photocatalyst composite of carbon dots/titanium dioxide nanoparticles (CDs/TNP) for enhanced visible light-driven removal of diclofenac. Chemosphere, 2022, 290, 133377.	4.2	9
4	Formation mechanism and application potential of carbon dots synthesized from palm kernel shell via microwave assisted method. Carbon Resources Conversion, 2022, 5, 150-166.	3.2	20
5	Modification of TiO2 with clam-shell powder for photodegradation of methylene blue. Journal of Sol-Gel Science and Technology, 2022, 102, 412-421.	1.1	2
6	Effective adsorption of metolachlor herbicide by MIL-53(Al) metal-organic framework: Optimization, validation and molecular docking simulation studies. Environmental Nanotechnology, Monitoring and Management, 2022, 18, 100663.	1.7	5
7	The effect of hydrothermal conditions on photoluminescence properties of rice husk-derived silica-carbon quantum dots for methylene blue degradation. Biomass Conversion and Biorefinery, 2021, 11, 2641-2654.	2.9	18
8	Recent Development on Electrospun Nanofiber Membrane for Produced Water Treatment: A review. Journal of Environmental Chemical Engineering, 2021, 9, 104613.	3.3	47
9	Inclined forward osmosis module system for fouling control in sustainable produced water treatment using seawater as draw solution. Journal of Water Process Engineering, 2021, 40, 101752.	2.6	10
10	Recent advances in advanced oxidation processes for removal of contaminants from water: A comprehensive review. Chemical Engineering Research and Design, 2021, 146, 220-256.	2.7	141
11	Removal of 4-chloro-2-methylphenoxyacetic acid from water by MIL-101(Cr) metal-organic framework: kinetics, isotherms and statistical models. Royal Society Open Science, 2021, 8, 201553.	1.1	18
12	Effect of Amino and Carboxyl Functionalization on the Photoluminescence Properties of Rice Husk-Derived Carbon Quantum Dots (RH-CQDs). E3S Web of Conferences, 2021, 287, 02002.	0.2	1
13	Experimental and Modeling of Dicamba Adsorption in Aqueous Medium Using MIL-101(Cr) Metal-Organic Framework. Processes, 2021, 9, 419.	1.3	18
14	The Effect of Amino-functionalization on Photoluminescence Properties of Sugarcane Bagasse-derived Carbon Quantum Dots. ASEAN Journal of Chemical Engineering, 2021, 21, 62.	0.5	3
15	Synthesis of tungsten oxide/ amino-functionalized sugarcane bagasse derived-carbon quantum dots (WO3/N-CQDs) composites for methylene blue removal. Chemosphere, 2021, 277, 130300.	4.2	29
16	Incorporation of carboxyl and amino functionalized carbon quantum dots in thin film membrane for nanofiltration. Polymer Testing, 2021, 100, 107270.	2.3	14
17	Nitrogen and bismuth-doped rice husk-derived carbon quantum dots for dye degradation and heavy metal removal. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 418, 113411.	2.0	33
18	Impact of Doping and Additive Applications on Photocatalyst Textural Properties in Removing Organic Pollutants: A Review. Catalysts, 2021, 11, 1160.	1.6	32

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19	Electrospun polylactic acid/ tungsten oxide/ amino-functionalized carbon quantum dots (PLA/WO3/N-CQDs) fibers for oil/water separation and photocatalytic decolorization. Journal of Environmental Chemical Engineering, 2021, 9, 106033.	3.3	18
20	Magnetic Hydroxyapatite for Batch Adsorption of Heavy Metals. E3S Web of Conferences, 2021, 287, 04005.	0.2	2
21	Progress in Development of Nanostructured Manganese Oxide as Catalyst for Oxygen Reduction and Evolution Reaction. Energies, 2021, 14, 6385.	1.6	13
22	Selective adsorption of dyes and pharmaceuticals from water by UiO metalâ€“organic frameworks: A comprehensive review. Polyhedron, 2021, 210, 115515.	1.0	37
23	Biowaste-derived carbon dots/hydroxyapatite nanocomposite as drug delivery vehicle for acetaminophen. Journal of Sol-Gel Science and Technology, 2020, 93, 214-223.	1.1	37
24	Adsorption of chrysene in aqueous solution onto MIL-88(Fe) and NH2-MIL-88(Fe) metal-organic frameworks: Kinetics, isotherms, thermodynamics and docking simulation studies. Journal of Environmental Chemical Engineering, 2020, 8, 103544.	3.3	52
25	Removal of Pyrene from Aqueous Solution Using Fe-based Metal-organic Frameworks. IOP Conference Series: Earth and Environmental Science, 2020, 549, 012061.	0.2	13
26	Adsorption of dicamba and MCPA onto MIL-53(Al) metalâ€“organic framework: response surface methodology and artificial neural network model studies. RSC Advances, 2020, 10, 43213-43224.	1.7	15
27	A Critical Review on Metal-Organic Frameworks and Their Composites as Advanced Materials for Adsorption and Photocatalytic Degradation of Emerging Organic Pollutants from Wastewater. Polymers, 2020, 12, 2648.	2.0	92
28	Optimization studies and artificial neural network modeling for pyrene adsorption onto UiO-66(Zr) and NH2-UiO-66(Zr) metal organic frameworks. Polyhedron, 2020, 192, 114857.	1.0	25
29	The effect of functionalization on rice-husks derived carbon quantum dots properties and cadmium removal. Journal of Water Process Engineering, 2020, 38, 101634.	2.6	32
30	Microwave-assisted conversion of palm kernel shell biomass waste to photoluminescent carbon dots. Scientific Reports, 2020, 10, 21199.	1.6	27
31	An Overview and Evaluation of Highly Porous Adsorbent Materials for Polycyclic Aromatic Hydrocarbons and Phenols Removal from Wastewater. Water (Switzerland), 2020, 12, 2921.	1.2	50
32	Electrospun Porous Polylactic Acid Fibers Containing CdS for Degradation of Methylene Blue. Fibers and Polymers, 2020, 21, 1212-1221.	1.1	14
33	Conversion of CO₂ to Methanol via photo catalysis routes over nickel-loaded CdS under visible light irradiation. IOP Conference Series: Materials Science and Engineering, 2020, 736, 042008.	0.3	2
34	Silicaâ€“carbon quantum dots decorated titanium dioxide as sunlight-driven photocatalyst to diminish acetaminophen from aquatic environment. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 394, 112436.	2.0	22
35	Experimental and molecular docking model studies for the adsorption of polycyclic aromatic hydrocarbons onto UiO-66(Zr) and NH2-UiO-66(Zr) metal-organic frameworks. Chemical Engineering Science, 2020, 220, 115608.	1.9	48
36	Composite of Kaolin/Sodium Alginate (SA) Beads for Methylene Blue Adsorption. ASEAN Journal of Chemical Engineering, 2020, 19, 100.	0.5	1

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37	Immobilized carbon-doped TiO₂ in polyamide fibers for the degradation of methylene blue. Journal of Asian Ceramic Societies, 2019, 7, 321-330.	1.0	30
38	Hybrid kaolin/TiO2 composite: Effect of urea addition towards an efficient photocatalyst for dye abatement under visible light irradiation. Applied Clay Science, 2019, 180, 105158.	2.6	42
39	Progressive Freeze Concentration for Volume Reduction of Produced Water and Biodiesel Wastewater. Chemical Engineering and Technology, 2019, 42, 1764-1770.	0.9	9
40	Improving Performance of Electrospun Nylon 6,6 Nanofiber Membrane for Produced Water Filtration via Solvent Vapor Treatment. Polymers, 2019, 11, 2117.	2.0	37
41	Removal of anthracene in water by MIL-88(Fe), NH₂-MIL-88(Fe), and mixed-MIL-88(Fe) metalâ€“organic frameworks. RSC Advances, 2019, 9, 41490-41501.	1.7	70
42	Removal of Sr2+ using high-surface-area hydroxyapatite synthesized by non-additive in-situ precipitation. Journal of Environmental Management, 2019, 231, 788-794.	3.8	32
43	Microwave-assisted synthesis of carbon dots from eggshell membrane ashes by using sodium hydroxide and their usage for degradation of methylene blue. Journal of Environmental Chemical Engineering, 2018, 6, 7426-7433.	3.3	48
44	Capture of Ultrafine Particles Using a Film-Type Electret Filter with a Unipolar Charger. Aerosol and Air Quality Research, 2017, 17, 626-635.	0.9	18
45	Porous hollow hydroxyapatite microspheres synthesized by spray pyrolysis using a microalga template: preparation, drug delivery, and bioactivity. RSC Advances, 2016, 6, 43041-43048.	1.7	39
46	Enhancing the mechanical properties of electrospun chitosan/poly(vinyl alcohol) fibers by mineralization with calcium carbonate. Journal of Materials Science, 2016, 51, 7742-7753.	1.7	11
47	The formation of web-like connection among electrospun chitosan/PVA fiber network by the reinforcement of ellipsoidal calcium carbonate. Materials Science and Engineering C, 2016, 60, 518-525.	3.8	25
48	Immobilization of Carbonic Anhydrase on Modified Electrospun Poly(Lactic Acid) Membranes: Quest for Optimum Biocatalytic Performance. Catalysis Letters, 2015, 145, 519-526.	1.4	18
49	Electrospun chitosan/poly(vinyl alcohol) reinforced with CaCO3 nanoparticles with enhanced mechanical properties and biocompatibility for cartilage tissue engineering. Composites Science and Technology, 2015, 106, 76-84.	3.8	58
50	CaCO3 crystallization and morphology control by using purified soluble protein related to shell regeneration. Journal of Crystal Growth, 2013, 373, 118-122.	0.7	4