Nonni Soraya

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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	Recent Development on Electrospun Nanofiber Membrane for Produced Water Treatment: A review. Journal of Environmental Chemical Engineering, 2021, 9, 104613.	3.3	47
11	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
12	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
13	Improving Performance of Electrospun Nylon 6,6 Nanofiber Membrane for Produced Water Filtration via Solvent Vapor Treatment. Polymers, 2019, 11, 2117.	2.0	37
14	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
15	Selective adsorption of dyes and pharmaceuticals from water by UiO metalâ€“organic frameworks: A comprehensive review. Polyhedron, 2021, 210, 115515.	1.0	37
16	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
17	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
18	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

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19	Impact of Doping and Additive Applications on Photocatalyst Textural Properties in Removing Organic Pollutants: A Review. Catalysts, 2021, 11, 1160.	1.6	32
20	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
21	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
22	Microwave-assisted conversion of palm kernel shell biomass waste to photoluminescent carbon dots. Scientific Reports, 2020, 10, 21199.	1.6	27
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	Experimental and Modeling of Dicamba Adsorption in Aqueous Medium Using MIL-101(Cr) Metal-Organic Framework. Processes, 2021, 9, 419.	1.3	18
31	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
32	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
33	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
34	Electrospun Porous Polylactic Acid Fibers Containing CdS for Degradation of Methylene Blue. Fibers and Polymers, 2020, 21, 1212-1221.	1.1	14
35	Incorporation of carboxyl and amino functionalized carbon quantum dots in thin film membrane for nanofiltration. Polymer Testing, 2021, 100, 107270.	2.3	14
36	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

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37	Progress in Development of Nanostructured Manganese Oxide as Catalyst for Oxygen Reduction and Evolution Reaction. Energies, 2021, 14, 6385.	1.6	13
38	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
39	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
40	Progressive Freeze Concentration for Volume Reduction of Produced Water and Biodiesel Wastewater. Chemical Engineering and Technology, 2019, 42, 1764-1770.	0.9	9
41	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
42	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
43	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
44	Electrospun-based TiO₂ nanofibers for organic pollutant photodegradation: a comprehensive review. Reviews in Chemical Engineering, 2022, 38, 641-668.	2.3	4
45	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
46	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
47	Magnetic Hydroxyapatite for Batch Adsorption of Heavy Metals. E3S Web of Conferences, 2021, 287, 04005.	0.2	2
48	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
49	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
50	Composite of Kaolin/Sodium Alginate (SA) Beads for Methylene Blue Adsorption. ASEAN Journal of Chemical Engineering, 2020, 19, 100.	0.5	1