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List of Publications by Year
in descending order

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20 papers	1,113 citations	471509 17 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	1205 citing authors

#	Article	IF	Citations
1	Sonochemical synthesis of Pr-doped ZnO nanoparticles for sonocatalytic degradation of Acid Red 17. Ultrasonics Sonochemistry, 2015, 22, 371-381.	8.2	236
2	A review on the applications of ultrasonic technology in membrane bioreactors. Ultrasonics Sonochemistry, 2019, 58, 104633.	8.2	176
3	Development of MoS2/O-MWCNTs/PES blended membrane for efficient removal of dyes, antibiotic, and protein. Separation and Purification Technology, 2022, 280, 119822.	7.9	122
4	Development of a novel high-flux PVDF-based ultrafiltration membrane by embedding Mg-Al nanolayered double hydroxide. Journal of Industrial and Engineering Chemistry, 2016, 41, 23-32.	5.8	67
5	A review on two-dimensional metal oxide and metal hydroxide nanosheets for modification of polymeric membranes. Journal of Industrial and Engineering Chemistry, 2020, 82, 31-41.	5.8	58
6	ZnFe-Cl nanolayered double hydroxide as a novel catalyst for sonocatalytic degradation of an organic dye. Ultrasonics Sonochemistry, 2018, 40, 703-713.	8.2	55
7	Modification of polyethersulfone ultrafiltration membrane using ultrasonic-assisted functionalized MoS2 for treatment of oil refinery wastewater. Separation and Purification Technology, 2020, 238, 116495.	7.9	50
8	Effect of solvent type on the physicochemical properties and performance of NLDH/PVDF nanocomposite ultrafiltration membranes. Separation and Purification Technology, 2017, 184, 97-118.	7.9	44
9	Graphene-based ZnCr layered double hydroxide nanocomposites as bactericidal agents with high sonophotocatalytic performances for degradation of rifampicin. Chemosphere, 2022, 286, 131740.	8.2	44
10	Synthesis, characterization and photocatalytic properties of Er-doped PbSe nanoparticles as a visible light-activated photocatalyst. Journal of Molecular Catalysis A, 2015, 398, 255-267.	4.8	38
11	Ultrasound-assisted catalytic activation of peroxydisulfate on Ti3GeC2 MAX phase for efficient removal of hazardous pollutants. Materials Today Chemistry, 2022, 24, 100818.	3.5	32
12	Modeling and Optimization of NLDH/PVDF Ultrafiltration Nanocomposite Membrane Using Artificial Neural Network-Genetic Algorithm Hybrid. ACS Combinatorial Science, 2017, 19, 464-477.	3.8	29
13	Photocatalysis of sulfasalazine using Gd-doped PbSe nanoparticles under visible light irradiation: Kinetics, intermediate identification and phyto-toxicological studies. Journal of Industrial and Engineering Chemistry, 2015, 30, 134-146.	5.8	28
14	Toxicity evaluation of bulk and nanosheet MoS2 catalysts using battery bioassays. Chemosphere, 2021, 268, 128822.	8.2	25
15	Sonocatalysis of a sulfa drug using neodymium-doped lead selenide nanoparticles. Ultrasonics Sonochemistry, 2015, 27, 345-358.	8.2	23
16	Zinc-chromium layered double hydroxides anchored on carbon nanotube and biochar for ultrasound-assisted photocatalysis of rifampicin. Ultrasonics Sonochemistry, 2022, 82, 105875.	8.2	22
17	Improving photocatalytic activity of the ZnS QDs via lanthanide doping and photosensitizing with GO and g-C3N4 for degradation of an azo dye and bisphenol-A under visible light irradiation. Chemosphere, 2022, 295, 133917.	8.2	21
18	Toxicity of Zn-Fe Layered Double Hydroxide to Different Organisms in the Aquatic Environment. Molecules, 2021, 26, 395.	3.8	18

#	Article	IF	Citations
19	Carboxymethyl cellulose/polyethersulfone thin-film composite membranes for low-pressure desalination. Separation and Purification Technology, 2021, 269, 118720.	7.9	17
20	Synthesis and characterization of Pr x Zn1â^'x Se nanoparticles for photocatalysis of four textile dyes with different molecular structures. Research on Chemical Intermediates, 2015, 41, 8425-8439.	2.7	8