

Soleiman Mosleh

List of Publications by Year in descending order

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23
papers

1,199
citations

516215

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23
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docs citations

24
times ranked

1264
citing authors

#	ARTICLE	IF	CITATIONS
1	Sonochemical-assisted synthesis of CuO/Cu ₂ O/Cu nanoparticles as efficient photocatalyst for simultaneous degradation of pollutant dyes in rotating packed bed reactor: LED illumination and central composite design optimization. <i>Ultrasonics Sonochemistry</i> , 2018, 40, 601-610.	3.8	202
2	Photocatalytic degradation of binary mixture of toxic dyes by HKUST-1 MOF and HKUST-1-SBA-15 in a rotating packed bed reactor under blue LED illumination: central composite design optimization. <i>RSC Advances</i> , 2016, 6, 17204-17214.	1.7	140
3	Sonophotocatalytic degradation of trypan blue and vesuvine dyes in the presence of blue light active photocatalyst of Ag ₃ PO ₄ /Bi ₂ S ₃ -HKUST-1-MOF: Central composite optimization and synergistic effect study. <i>Ultrasonics Sonochemistry</i> , 2016, 32, 387-397.	3.8	136
4	BiPO ₄ /Bi ₂ S ₃ -HKUST-1-MOF as a novel blue light-driven photocatalyst for simultaneous degradation of toluidine blue and auramine-O dyes in a new rotating packed bed reactor: optimization and comparison to a conventional reactor. <i>RSC Advances</i> , 2016, 6, 63667-63680.	1.7	103
5	Ag ₃ PO ₄ /AgBr/Ag-HKUST-1-MOF composites as novel blue LED light active photocatalyst for enhanced degradation of ternary mixture of dyes in a rotating packed bed reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017, 114, 24-38.	1.8	94
6	HKUST-1-MOF@BiVO ₄ hybrid as a new sonophotocatalyst for simultaneous degradation of disulfine blue and rose bengal dyes: optimization and statistical modelling. <i>RSC Advances</i> , 2016, 6, 61516-61527.	1.7	66
7	Intensification of abamectin pesticide degradation using the combination of ultrasonic cavitation and visible-light driven photocatalytic process: Synergistic effect and optimization study. <i>Ultrasonics Sonochemistry</i> , 2017, 35, 449-457.	3.8	58
8	Bi ₂ WO ₆ /Ag ₃ PO ₄ @Ag Z-scheme heterojunction as a new plasmonic visible-light-driven photocatalyst: performance evaluation and mechanism study. <i>New Journal of Chemistry</i> , 2019, 43, 1275-1284.	1.4	58
9	Ce/Eu redox couple functionalized HKUST-1 MOF insight to sono-photodegradation of malathion. <i>Journal of Hazardous Materials</i> , 2021, 409, 124478.	6.5	54
10	CO ₂ capture by amine-based aqueous solution containing atorvastatin functionalized mesocellular silica foam in a counter-current rotating packed bed: Central composite design modeling. <i>Chemical Engineering Research and Design</i> , 2018, 129, 64-74.	2.7	50
11	One step integration of plasmonic Ag ₂ CrO ₄ /Ag/AgCl into HKUST-1-MOF as novel visible-light driven photocatalyst for highly efficient degradation of mixture dyes pollutants: Its photocatalytic mechanism and modeling. <i>Polyhedron</i> , 2019, 166, 217-225.	1.0	47
12	A Bi ₂ WO ₆ /Ag ₂ S/ZnS Z-scheme heterojunction photocatalyst with enhanced visible-light photoactivity towards the degradation of multiple dye pollutants. <i>RSC Advances</i> , 2019, 9, 30100-30111.	1.7	39
13	A rapid and efficient sonophotocatalytic process for degradation of pollutants: Statistical modeling and kinetics study. <i>Journal of Molecular Liquids</i> , 2018, 261, 291-302.	2.3	29
14	A dual surface inorganic molecularly imprinted Bi ₂ WO ₆ -CuO/Ag ₂ O heterostructure with enhanced activity-selectivity towards the photocatalytic degradation of target contaminantst. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 943-955.	1.6	25
15	Magnetic nanoparticles-embedded nitrogen-doped carbon nanotube/porous carbon hybrid derived from a metal-organic framework as a highly efficient adsorbent for selective removal of Pb(II) ions from aqueous solution. <i>Journal of Molecular Liquids</i> , 2020, 318, 113987.	2.3	23
16	Development of Cigarette Carbonaceous Hydrochar/ZIF-67-Based Fluids for CO ₂ Capture from a Gas Stream in a Packed Column: Mass-Transfer Performance Evaluation. <i>Energy & Fuels</i> , 2020, 34, 7295-7306.	2.5	18
17	Visible-light-driven photocatalytic degradation of fenpyroximate in rotating packed bed reactor using Fe ₃ O ₄ @PbS@Ni ₂ P magnetic nanocomposite photocatalyst: Response surface modelling and optimization. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4513.	1.7	13
18	Fluid based cigarette carbonaceous hydrochar supported ZIF-8 MOF for CO ₂ capture process: The engineering parameters determination for the packed bed column design. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020, 153, 108001.	1.8	13

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19	Hybrid of sodium polytungstate polyoxometalate supported by the green substrate for photocatalytic degradation of auramine-O dye. <i>Environmental Science and Pollution Research</i> , 2022, 29, 56055-56067.	2.7	8
20	Sonophotocatalytic treatment of diazinon using visible light-driven Ce:Cu _{1,4} BDOAH ₂ photocatalyst in a batch-mode process: Response surface methodology and optimization. <i>Applied Organometallic Chemistry</i> , 2018, 32, e3962.	1.7	7
21	Photocatalytic reactors: Technological status, opportunities, and challenges for development and industrial upscaling. <i>Interface Science and Technology</i> , 2021, 32, 761-790.	1.6	7
22	Preparation and evaluation of thermoplastic vulcanizate / organo-modified layered double hydroxide nanocomposite: Statistical modelling and optimization. <i>Materials Today Communications</i> , 2021, 26, 102046.	0.9	6
23	New materials and equipment for photocatalytic degradation processes. <i>Interface Science and Technology</i> , 2021, 32, 673-723.	1.6	1