

Ahmed Helal

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

545
citations

1163117

8
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

696
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermal synthesis of novel heterostructured Fe ₂ O ₃ /Bi ₂ S ₃ nanorods with enhanced photocatalytic activity under visible light. <i>Applied Catalysis B: Environmental</i> , 2017, 213, 18-27.	20.2	203
2	Ease synthesis of mesoporous WO ₃ –TiO ₂ nanocomposites with enhanced photocatalytic performance for photodegradation of herbicide imazapyr under visible light and UV illumination. <i>Journal of Hazardous Materials</i> , 2016, 307, 43-54.	12.4	131
3	Controlled synthesis of bismuth sulfide nanorods by hydrothermal method and their photocatalytic activity. <i>Materials and Design</i> , 2016, 102, 202-212.	7.0	67
4	Efficient photodecomposition of herbicide imazapyr over mesoporous Ga ₂ O ₃ -TiO ₂ nanocomposites. <i>Journal of Hazardous Materials</i> , 2018, 342, 519-526.	12.4	46
5	Novel synthesis of BiVO ₄ using homogeneous precipitation and its enhanced photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	24
6	A novel g-C ₃ N ₄ /In ₂ O ₃ /BiVO ₄ heterojunction photoanode for improved the photoelectrochemical cathodic protection of 304 SS stainless steel under solar light. <i>Journal of Alloys and Compounds</i> , 2022, 911, 165047.	5.5	24
7	One-step synthesis of heterojunction Cr ₂ O ₃ nanoparticles decorated Bi ₂ S ₃ nanorods with enhanced photocatalytic activity for mineralization of organic pollutants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 419, 113468.	3.9	18
8	Degradation of local Brilliant Blue R dye in presence of polyvinylidene fluoride/MWCNTs/TiO ₂ as photocatalysts and plasma discharge. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106854.	6.7	17
9	Photocatalytic degradation of rhodamine B in the visible region using nanostructured CoAl ₂ xLa _x O ₄ (x=0, 0.01, 0.03, 0.07, and 0.09) series: Photocatalytic activity and DFT calculations. <i>Inorganic Chemistry Communication</i> , 2022, 136, 109176.	3.9	8
10	Influence of a hole inversion layer at the In ₂ O ₃ / BiVO ₄ interface on the high-efficiency photocatalytic performance. <i>Surfaces and Interfaces</i> , 2021, 25, 101148.	3.0	7