

# Mahmud Diab

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

348  
citations

933447

10  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

661  
citing authors

#	ARTICLE	IF	CITATIONS
1	Studying the chemical, optical and catalytic properties of noble metal (Pt, Pd, Ag.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Tid Materials Chemistry A, 2013, 1, 1763-1769.	10.3	98
2	Thermal Decomposition Approach for the Formation of $\text{Fe}_2\text{O}_3$ Mesoporous Photoanodes and an $\text{Fe}_2\text{O}_3/\text{CoO}$ Hybrid Structure for Enhanced Water Oxidation. Inorganic Chemistry, 2014, 53, 2304-2309.	4.0	30
3	A facile one-step approach for the synthesis and assembly of copper and copper-oxide nanocrystals. Journal of Materials Chemistry, 2011, 21, 11626.	6.7	29
4	Bioinspired Hierarchical Porous Structures for Engineering Advanced Functional Inorganic Materials. Advanced Materials, 2018, 30, e1706349.	21.0	28
5	Novel easy to fabricate liquid crystal composite with potential for electrically or thermally controlled transparency windows. Optics Express, 2019, 27, 17387.	3.4	22
6	Selective growth of metal particles on ZnO nanopyramids via a one-pot synthesis. Nanoscale, 2014, 6, 1335-1339.	5.6	21
7	Selective growth of metal sulfide tips onto cadmium chalcogenide nanostructures. CrystEngComm, 2012, 14, 7590.	2.6	17
8	Coating and Enhanced Photocurrent of Vertically Aligned Zinc Oxide Nanowire Arrays with Metal Sulfide Materials. ACS Applied Materials & Interfaces, 2014, 6, 13594-13599.	8.0	16
9	Charge Transfer Dynamics in CdS and CdSe@CdS Based Hybrid Nanorods Tipped with Both PbS and Pt. Journal of Physical Chemistry C, 2016, 120, 15453-15459.	3.1	13
10	Ternary hybrid nanostructures of Au@CdS@ZnO grown via a solution-liquid-solid route using Au@ZnO catalysts. Nanoscale, 2017, 9, 16138-16142.	5.6	12
11	A Simple Approach for the Formation of Oxides, Sulfides, and Oxide-Sulfide Hybrid Nanostructures. Israel Journal of Chemistry, 2012, 52, 1081-1089.	2.3	10
12	Role of the Counteranions on the Formation of Different Crystal Structures of Iron Oxyhydroxides via Redox Reaction. Crystal Growth and Design, 2017, 17, 527-533.	3.0	9
13	Electrophoretic deposition of single-source precursors as a general approach for the formation of hybrid nanorod array heterostructures. Journal of Colloid and Interface Science, 2018, 515, 221-231.	9.4	8
14	Highly luminescent $\text{CuGa}_x\text{In}_{1-x}\text{S}_y\text{Se}_{2-y}$ nanocrystals from organometallic single-source precursors. Journal of Materials Chemistry C, 2015, 3, 4657-4662.	5.5	7
15	Organic phase synthesis of noble metal-zinc chalcogenide core-shell nanostructures. Journal of Colloid and Interface Science, 2016, 480, 159-165.	9.4	6
16	Design of Hierarchal 3D Metal Oxide Structures for Water Oxidation and Purification. Advanced Sustainable Systems, 2018, 2, 1800001.	5.3	6
17	Calcareous Foraminiferal Shells as a Template for the Formation of Hierarchal Structures of Inorganic Nanomaterials. ACS Applied Materials & Interfaces, 2019, 11, 6456-6462.	8.0	6
18	Insight into the formation mechanism of PtCu alloy nanoparticles. CrystEngComm, 2014, 16, 9493-9500.	2.6	5

#	ARTICLE	IF	CITATIONS
19	A Surface Study of Ultrathin Ceria Nanoparticles Decorated with Transitionâ€Metal Ions. Particle and Particle Systems Characterization, 2019, 36, 1800452.	2.3	3
20	Formation of Copper Oxide Nanotextures on Porous Calcium Carbonate Templates for Water Treatment. Molecules, 2021, 26, 6067.	3.8	2
21	Synthesis and Photoelectrochemical Activity of $\text{Fe}_2\text{O}_3/\text{CdFe}_2\text{O}_4$ Hybrid Structure for the Water Oxidation Reaction. Israel Journal of Chemistry, 2023, 63, .	2.3	0