

Biswajit Bhattacharyya

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

343
citations

1307594

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all docs

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docs citations

19
times ranked

661
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic Structure and Spectroscopy of III-VI Nanocrystals: A Perspective. <i>Journal of Physical Chemistry C</i> , 2022, 126, 7364-7373.	3.1	5
2	Unconventional properties of engineered Au-Ag nanostructures. <i>Superconductor Science and Technology</i> , 2022, 35, 084001.	3.5	4
3	Tuning radiative lifetimes in semiconductor quantum dots. <i>Journal of Chemical Physics</i> , 2021, 154, 074707.	3.0	5
4	Optical Properties and Electronic Structure of Copper Zinc Sulfide Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17890-17896.	3.1	3
5	Ultrafast spectroscopic investigation of the artificial photosynthetic activity of CuAlS ₂ /ZnS quantum dots. <i>Nano Select</i> , 2021, 2, 958-966.	3.7	7
6	Electronic Structure Insights into the Tunable Luminescence of CuAl _x Fe _{1-x} S ₂ /ZnS Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2021, 125, 2511-2518.	3.1	6
7	Optical Signatures of Impurity-Impurity Interactions in Copper Containing II-VI Alloy Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 635-640.	4.6	7
8	Why Does CuFeS ₂ Resemble Gold?. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 696-701.	4.6	31
9	Picosecond Electron Transfer from Quantum Dots Enables a General and Efficient Aerobic Oxidation of Boronic Acids. <i>ACS Catalysis</i> , 2018, 8, 5206-5211.	11.2	35
10	Temporal evolution of radiative rate reveals the localization of holes in CuInS ₂ -based quantum dots. <i>Nano Futures</i> , 2018, 2, 045007.	2.2	6
11	Efficient Photosynthesis of Organics from Aqueous Bicarbonate Ions by Quantum Dots Using Visible Light. <i>ACS Energy Letters</i> , 2018, 3, 1508-1514.	17.4	26
12	Optical Transparency Enabled by Anomalous Stokes Shift in Visible Light-Emitting CuAlS ₂ -Based Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4451-4456.	4.6	24
13	Behavior of Methylammonium Dipoles in MAPbX ₃ (X = Br and I). <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4113-4121.	4.6	103
14	CuFeS ₂ Quantum Dots and Highly Luminescent CuFeS ₂ Based Core/Shell Structures: Synthesis, Tunability, and Photophysics. <i>Journal of the American Chemical Society</i> , 2016, 138, 10207-10213.	13.7	80
15	Spectroscopic Insights into the Electronic Structure of Copper Iron Sulfide Nanocrystals. , 0, , .		0
16	Copper Iron Chalcogenide Nanocrystals: Spectroscopy and Devices. , 0, , .		0