

Biplab K Patra

List of Publications by Year in descending order

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19
papers

519
citations

687363

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20
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949
citing authors

#	ARTICLE	IF	CITATIONS
1	Fano Lineshapes and Rabi Splittings: Can They Be Artificially Generated or Obscured by the Numerical Aperture?. ACS Photonics, 2021, 8, 1271-1276.	6.6	7
2	Intermittency of CsPbBr ₃ Perovskite Quantum Dots Analyzed by an Unbiased Statistical Analysis. Journal of Physical Chemistry C, 2021, 125, 12061-12072.	3.1	4
3	State of the art and prospects of metal halide perovskite core@shell nanocrystals and nanocomposites. Materials Today Chemistry, 2021, 20, 100424.	3.5	27
4	Close-Packed Ultrasmooth Self-assembled Monolayer of CsPbBr ₃ Perovskite Nanocubes. ACS Applied Materials & Interfaces, 2020, 12, 31764-31769.	8.0	18
5	Quantifying Strain and Dislocation Density at Nanocube Interfaces after Assembly and Epitaxy. ACS Applied Materials & Interfaces, 2020, 12, 8788-8794.	8.0	4
6	Chemically Filled and Au-Coupled BiSbS ₃ Nanorod Heterostructures for Photoelectrocatalysis. Chemistry of Materials, 2017, 29, 1116-1126.	6.7	33
7	Hybrid Dot@Disk Au-CuInS ₂ Nanostructures as Active Photocathode for Efficient Evolution of Hydrogen from Water. Chemistry of Materials, 2016, 28, 4358-4366.	6.7	62
8	Monodisperse AuCuSn trimetallic nanocube catalysts. Chemical Communications, 2016, 52, 1614-1617.	4.1	8
9	Coincident Site Epitaxy at the Junction of Au@Cu ₂ ZnSnS ₄ Heteronanostructures. Chemistry of Materials, 2015, 27, 650-657.	6.7	54
10	Diffusion-Induced Shape Evolution in Multinary Semiconductor Nanostructures. Journal of Physical Chemistry Letters, 2015, 6, 2421-2426.	4.6	18
11	Dopant-Controlled Selenization in Pd Nanocrystals: The Triggered Kirkendall Effect. Journal of the American Chemical Society, 2015, 137, 5123-5129.	13.7	28
12	Chemical Sealing of Nanotubes: A Case Study on Sb ₂ S ₃ . Angewandte Chemie - International Edition, 2014, 53, 12566-12570.	13.8	13
13	Au-SnS Hetero Nanostructures: Size of Au Matters. Chemistry of Materials, 2014, 26, 7194-7200.	6.7	60
14	Saraca indica bark extract mediated green synthesis of polyshaped gold nanoparticles and its application in catalytic reduction. Applied Nanoscience (Switzerland), 2014, 4, 485-490.	3.1	58
15	Synthesis and photo-darkening/photo-brightening of blue emitting doped semiconductor nanocrystals. Nanoscale, 2014, 6, 3786-3790.	5.6	11
16	Efficient Superionic Conductor Catalyst for Solid in Solution@Solid Growth of Heteronanowires. Journal of Physical Chemistry Letters, 2014, 5, 732-736.	4.6	25
17	Tuning the Growth Pattern in 2D Confinement Regime of Sm ₂ O ₃ and the Emerging Room Temperature Unusual Superparamagnetism. Scientific Reports, 2014, 4, 6514.	3.3	21
18	Monodisperse SnS Nanocrystals: In Just 5 Seconds. Journal of Physical Chemistry Letters, 2013, 4, 3929-3934.	4.6	40

#	ARTICLE	IF	CITATIONS
19	The Redox Chemistry at the Interface for Retrieving and Brightening the Emission of Doped Semiconductor Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2084-2090.	4.6	27