Biplab K Patra

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7464462/publications.pdf

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19	519	687363 13	752698 20
papers	citations	h-index	g-index

20	20	20	949
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hybrid Dotâ€“Disk Au-CuInS₂ Nanostructures as Active Photocathode for Efficient Evolution of Hydrogen from Water. Chemistry of Materials, 2016, 28, 4358-4366.	6.7	62
2	Au-SnS Hetero Nanostructures: Size of Au Matters. Chemistry of Materials, 2014, 26, 7194-7200.	6.7	60
3	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
4	Coincident Site Epitaxy at the Junction of Auâ€“Cu₂ZnSnS₄ Heteronanostructures. Chemistry of Materials, 2015, 27, 650-657.	6.7	54
5	Monodisperse SnS Nanocrystals: In Just 5 Seconds. Journal of Physical Chemistry Letters, 2013, 4, 3929-3934.	4.6	40
6	Chemically Filled and Au-Coupled BiSbS₃ Nanorod Heterostructures for Photoelectrocatalysis. Chemistry of Materials, 2017, 29, 1116-1126.	6.7	33
7	Dopant-Controlled Selenization in Pd Nanocrystals: The Triggered Kirkendall Effect. Journal of the American Chemical Society, 2015, 137, 5123-5129.	13.7	28
8	The Redox Chemistry at the Interface for Retrieving and Brightening the Emission of Doped Semiconductor Nanocrystals. Journal of Physical Chemistry Letters, 2013, 4, 2084-2090.	4.6	27
9	State of the art and prospects of metal halide perovskite core@shell nanocrystals and nanocomposites. Materials Today Chemistry, 2021, 20, 100424.	3.5	27
10	Efficient Superionic Conductor Catalyst for Solid in Solutionâ€“Solidâ€“Solid Growth of Heteronanowires. Journal of Physical Chemistry Letters, 2014, 5, 732-736.	4.6	25
11	Tuning the Growth Pattern in 2D Confinement Regime of Sm2O3 and the Emerging Room Temperature Unusual Superparamagnetism. Scientific Reports, 2014, 4, 6514.	3.3	21
12	Diffusion-Induced Shape Evolution in Multinary Semiconductor Nanostructures. Journal of Physical Chemistry Letters, 2015, 6, 2421-2426.	4.6	18
13	Close-Packed Ultrasmooth Self-assembled Monolayer of CsPbBr₃ Perovskite Nanocubes. ACS Applied Materials & Interfaces, 2020, 12, 31764-31769.	8.0	18
14	Chemical Sealing of Nanotubes: A Case Study on Sb₂S₃. Angewandte Chemie - International Edition, 2014, 53, 12566-12570.	13.8	13
15	Synthesis and photo-darkening/photo-brightening of blue emitting doped semiconductor nanocrystals. Nanoscale, 2014, 6, 3786-3790.	5.6	11
16	Monodisperse AuCuSn trimetallic nanocube catalysts. Chemical Communications, 2016, 52, 1614-1617.	4.1	8
17	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
18	Quantifying Strain and Dislocation Density at Nanocube Interfaces after Assembly and Epitaxy. ACS Applied Materials & Interfaces, 2020, 12, 8788-8794.	8.0	4

#	Article	IF	Citations
19	Intermittency of CsPbBr₃ Perovskite Quantum Dots Analyzed by an Unbiased Statistical Analysis. Journal of Physical Chemistry C, 2021, 125, 12061-12072.	3.1	4