Shinjita Acharya

List of Publications by Year
in descending order

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21 papers	1,118 citations	516710 16 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	2100 citing authors

#	Article	IF	Citations
1	Conducting Polymers for Pseudocapacitive Energy Storage. Chemistry of Materials, 2016, 28, 5989-5998.	6.7	389
2	An Alternate Route to High-Quality ZnSe and Mn-Doped ZnSe Nanocrystals. Journal of Physical Chemistry Letters, 2010, 1, 485-488.	4.6	117
3	Prevention of photooxidation in blueâ€“green emitting Cu doped ZnSe nanocrystals. Chemical Communications, 2010, 46, 2853.	4.1	94
4	Synthesis of Micrometer Length Indium Sulfide Nanosheets and Study of Their Dopant Induced Photoresponse Properties. Chemistry of Materials, 2012, 24, 1779-1785.	6.7	87
5	Low-temperature vapour phase polymerized polypyrrole nanobrushes for supercapacitors. Journal of Materials Chemistry A, 2017, 5, 11772-11780.	10.3	51
6	Material Diffusion and Doping of Mn in Wurtzite ZnSe Nanorods. Journal of Physical Chemistry C, 2013, 117, 6006-6012.	3.1	48
7	Zinc Blende 0D Quantum Dots to Wurtzite 1D Quantum Wires: The Oriented Attachment and Phase Change in ZnSe Nanostructures. Journal of Physical Chemistry Letters, 2013, 4, 3292-3297.	4.6	41
8	Studying Electrical Conductivity Using a 3D Printed Four-Point Probe Station. Journal of Chemical Education, 2017, 94, 950-955.	2.3	34
9	Insertion/Ejection of Dopant Ions in Composition Tunable Semiconductor Nanocrystals. Journal of Physical Chemistry C, 2011, 115, 19513-19519.	3.1	29
10	Subnanometer Thin Î²-Indium Sulfide Nanosheets. Journal of Physical Chemistry Letters, 2012, 3, 3812-3817.	4.6	29
11	Enhancing Cycling Stability of Aqueous Polyaniline Electrochemical Capacitors. ACS Applied Materials & Interfaces, 2016, 8, 29452-29460.	8.0	29
12	Self-limiting atomic layer deposition of barium oxide and barium titanate thin films using a novel pyrrole based precursor. Journal of Materials Chemistry C, 2016, 4, 1945-1952.	5.5	26
13	Exploring the local electronic structure and geometric arrangement of ALD Zn(O,S) buffer layers using X-ray absorption spectroscopy. Journal of Materials Chemistry C, 2015, 3, 12192-12198.	5.5	24
14	Revealing the Bonding Environment of Zn in ALD Zn(O,S) Buffer Layers through X-ray Absorption Spectroscopy. ACS Applied Materials & Interfaces, 2017, 9, 39105-39109.	8.0	23
15	Elucidating the Evolving Atomic Structure in Atomic Layer Deposition Reactions with in Situ XANES and Machine Learning. Chemistry of Materials, 2019, 31, 8937-8947.	6.7	23
16	Relating Electronic and Geometric Structure of Atomic Layer Deposited BaTiO₃ to its Electrical Properties. Journal of Physical Chemistry Letters, 2016, 7, 1428-1433.	4.6	18
17	ALD Zn(O,S) Thin Filmsâ€™ Interfacial Chemical and Structural Configuration Probed by XAS. ACS Applied Materials & Interfaces, 2016, 8, 14323-14327.	8.0	17
18	Ultrahigh stability of high-power nanofibrillar PEDOT supercapacitors. Sustainable Energy and Fuels, 2017, 1, 482-491.	4.9	17

#	Article	IF	Citations
19	Synthesis of Submicron PEDOT Particles of High Electrical Conductivity via Continuous Aerosol Vapor Polymerization. ACS Applied Materials & Interfaces, 2019, 11, 47320-47329.	8.0	13
20	Vortexâ€Pattern Selfâ€Assembly in Mnâ€Doped ZnSe Nanorods. Chemistry - A European Journal, 2014, 20, 3922-3926.	3.3	6
21	The interface of SiO2/ZnS films studied by high resolution X-ray photoluminescence. Theoretical and Applied Mechanics Letters, 2018, 8, 24-27.	2.8	3