Somen Mondal

List of Publications by Year
in descending order

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		759233	940533
19	353	12	16
papers	citations	h-index	g-index

20	20	20	474
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient Photosensitizing Capabilities and Ultrafast Carrier Dynamics of Doped Carbon Dots. Journal of the American Chemical Society, 2019, 141, 15413-15422.	13.7	74
2	Use of Photoacids and Photobases To Control Dynamic Self-Assembly of Gold Nanoparticles in Aqueous and Nonaqueous Solutions. Nano Letters, 2019, 19, 3804-3810.	9.1	42
3	Î±-Cyclodextrin Functionalized Carbon Dots: Pronounced Photoinduced Electron Transfer by Aggregated Nanostructures. Journal of Physical Chemistry C, 2016, 120, 14365-14371.	3.1	30
4	pH triggered reversible photoinduced electron transfer to and from carbon nanoparticles. Chemical Communications, 2014, 50, 6890.	4.1	28
5	Exploring long-range proton conduction, the conduction mechanism and inner hydration state of protein biopolymers. Chemical Science, 2020, 11, 3547-3556.	7.4	27
6	Ultrafast Photoinduced Electron Transfer between Carbon Nanoparticles and Cyclometalated Rhodium and Iridium Complexes. Journal of Physical Chemistry C, 2015, 119, 25122-25128.	3.1	20
7	Synergic Influence of Reverse Micelle Confinement on the Enhancement in Photoinduced Electron Transfer to and from Carbon Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 13887-13892.	3.1	20
8	Revival, enhancement and tuning of fluorescence from Coumarin 6: combination of hostâ€“guest chemistry, viscosity and collisional quenching. RSC Advances, 2016, 6, 105347-105349.	3.6	17
9	Ultrafast Dynamics in Carbon Dots as Photosensitizers: A Review. ACS Applied Nano Materials, 2021, 4, 7587-7606.	5.0	17
10	FRET-based characterisation of surfactant bilayer protected coreâ€“shell carbon nanoparticles: advancement toward carbon nanotechnology. Chemical Communications, 2013, 49, 7638.	4.1	14
11	Surfactant chain length controls photoinduced electron transfer in surfactant bilayer protected carbon nanoparticles. Materials Letters, 2015, 141, 252-254.	2.6	13
12	[2,2â€²-Bipyridyl]-3,3â€²-diol in lipid vesicles: slowed down dynamics of proton transfer. Soft Matter, 2013, 9, 8512.	2.7	12
13	Long-range light-modulated charge transport across the molecular heterostructure doped protein biopolymers. Chemical Science, 2021, 12, 8731-8739.	7.4	10
14	Lightâ€Modulated Cationic and Anionic Transport across Protein Biopolymers**. Angewandte Chemie - International Edition, 2021, 60, 24676-24685.	13.8	10
15	Enhanced Proton Conductivity across Protein Biopolymers Mediated by Doped Carbon Nanoparticles. Small, 2020, 16, e2005526.	10.0	9
16	Unraveling the Carrier Dynamics and Photocatalytic Pathway in Carbon Dots and Pollutants of Wastewater System. Journal of Physical Chemistry C, 0, , .	3.1	6
17	Cyclodextrin cavity size induced formation of superstructures with embedded gold nanoclusters. RSC Advances, 2012, 2, 12210.	3.6	4
18	Lightâ€modulated cationic and anionic transport across protein biopolymers. Angewandte Chemie, 2021, 133, 24881.	2.0	0

#	Article	IF	Citations
19	Proton Conductivity: Enhanced Proton Conductivity across Protein Biopolymers Mediated by Doped Carbon Nanoparticles (Small 50/2020). Small, 2020, 16, 2070272.	10.0	0