Ujjal Bhattacharjee

List of Publications by Year
in descending order

24 papers	715 citations	687363 13 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	1806 citing authors

#	Article	IF	Citations
1	Bright Deep Blue TADF OLEDs: The Role of Triphenylphosphine Oxide in NPB/TPBi:PPh₃O Exciplex Emission. Advanced Optical Materials, 2020, 8, 0191282.	7.3	6
2	Active Far-Field Control of the Thermal Near-Field via Plasmon Hybridization. ACS Nano, 2019, 13, 9655-9663.	14.6	23
3	Nanosecond, Time-Resolved Shift of the Photoluminescence Spectra of Organic, Lead-Halide Perovskites Reveals Structural Features Resulting from Excess Organic Ammonium Halide. Journal of Physical Chemistry C, 2019, 123, 29964-29971.	3.1	1
4	Single-Particle Emission Spectroscopy Resolves d-Hole Relaxation in Copper Nanocubes. ACS Energy Letters, 2019, 4, 2458-2465.	17.4	39
5	Synthetic Control of the Photoluminescence Stability of Organolead Halide Perovskites. Journal of the Mexican Chemical Society, 2019, 63, .	0.6	1
6	Using Fluorescence Spectroscopy To Identify Milk from Grass-Fed Dairy Cows and To Monitor Its Photodegradation. Journal of Agricultural and Food Chemistry, 2018, 66, 2168-2173.	5.2	5
7	Exploring the Relationship between Plasmon Damping and Luminescence in Lithographically Prepared Gold Nanorods. ACS Photonics, 2018, 5, 3541-3549.	6.6	28
8	Tailoring Nanoscale Morphology of Polymer:Fullerene Blends Using Electrostatic Field. ACS Applied Materials & Interfaces, 2017, 9, 2678-2685.	8.0	14
9	Using ATTO Dyes To Probe the Photocatalytic Activity of Auâ€“CdS Nanoparticles. Journal of Physical Chemistry C, 2017, 121, 676-683.	3.1	11
10	Photoinduced Transâ€toâ€cis Phase Transition of Polycrystalline Azobenzene at Low Irradiance Occurs in the Solid State. ChemPhysChem, 2017, 18, 2526-2532.	2.1	10
11	Germaniumâ€“Tin/Cadmium Sulfide Core/Shell Nanocrystals with Enhanced Near-Infrared Photoluminescence. Chemistry of Materials, 2017, 29, 6012-6021.	6.7	14
12	Characterizing Electric Field Exposed P3HT Thin Films Using Polarizedâ€Light Spectroscopies. Macromolecular Chemistry and Physics, 2016, 217, 1801-1809.	2.2	3
13	Intense deep blue exciplex electroluminescence from NPB/TPBi:PPh3O-based OLEDs and their intrinsic degradation mechanisms (Conference Presentation). , 2016, , .		0
14	Solution-Processed Bi₃ Thin Films for Photovoltaic Applications: Improved Carrier Collection via Solvent Annealing. Chemistry of Materials, 2016, 28, 6567-6574.	6.7	132
15	Fluorescence Spectroscopy of the Retina for the Screening of Bovine Spongiform Encephalopathy. Journal of Agricultural and Food Chemistry, 2016, 64, 320-325.	5.2	2
16	PTOX Mediates Novel Pathways of Electron Transport in Etioplasts of Arabidopsis. Molecular Plant, 2016, 9, 1240-1259.	8.3	27
17	Shape Evolution and Single Particle Luminescence of Organometal Halide Perovskite Nanocrystals. ACS Nano, 2015, 9, 2948-2959.	14.6	252
18	The Number of Accumulated Photons and the Quality of Stimulated Emission Depletion Lifetime Images. Photochemistry and Photobiology, 2014, 90, 767-772.	2.5	6

#	Article	IF	Citations
19	Tryptophan and ATTO 590: Mutual Fluorescence Quenching and Exciplex Formation. Journal of Physical Chemistry B, 2014, 118, 8471-8477.	2.6	15
20	Subdiffraction, Luminescence-Depletion Imaging of Isolated, Giant, CdSe/CdS Nanocrystal Quantum Dots. Journal of Physical Chemistry C, 2013, 117, 3662-3667.	3.1	31
21	Direct Detection and Reactivity of the Short-Lived Phenyloxenium Ion. Journal of the American Chemical Society, 2013, 135, 9078-9082.	13.7	21
22	Plant hemoglobins may be maintained in functional form by reduced flavins in the nuclei, and confer differential tolerance to nitroâ€oxidative stress. Plant Journal, 2013, 76, 875-887.	5.7	44
23	Very Strongly Ferromagnetically Coupled Diradicals from Mixed Radical Centers. II. Nitronyl Nitroxide Coupled to Tetrathiafulvalene via Spacers. Journal of Physical Chemistry A, 2010, 114, 6648-6656.	2.5	24
24	Unusually Large Coupling Constants in Diradicals Obtained from Excitation of Mixed Radical Centers: A Theoretical Study on Potential Photomagnets. Journal of Physical Chemistry A, 2010, 114, 6701-6704.	2.5	6