Kalyan Santra

List of Publications by Year
in descending order

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14 papers	200 citations	1478505 6 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	510 citing authors

#	Article	IF	Citations
1	Synthesis and optical properties of ordered-vacancy perovskite cesium bismuth halide nanocrystals. Chemical Communications, 2018, 54, 3640-3643.	4.1	58
2	Unveiling the Photoâ€•and Thermalâ€Stability of Cesium Lead Halide Perovskite Nanocrystals. ChemPhysChem, 2019, 20, 2647-2656.	2.1	44
3	What Is the Best Method to Fit Time-Resolved Data? A Comparison of the Residual Minimization and the Maximum Likelihood Techniques As Applied to Experimental Time-Correlated, Single-Photon Counting Data. Journal of Physical Chemistry B, 2016, 120, 2484-2490.	2.6	25
4	Improving the Stability and Monodispersity of Layered Cesium Lead Iodide Perovskite Thin Films by Tuning Crystallization Dynamics. Chemistry of Materials, 2019, 31, 4990-4998.	6.7	19
5	Photon Counting Data Analysis: Application of the Maximum Likelihood and Related Methods for the Determination of Lifetimes in Mixtures of Rose Bengal and Rhodamine B. Journal of Physical Chemistry A, 2017, 121, 122-132.	2.5	7
6	Exploiting Fluorescence Spectroscopy To Identify Magnetic Ionic Liquids Suitable for the Isolation of Oligonucleotides. Journal of Physical Chemistry B, 2018, 122, 7747-7756.	2.6	7
7	Characterization of the Photophysical Behavior of DFHBI Derivatives: Fluorogenic Molecules that Illuminate the Spinach RNA Aptamer. Journal of Physical Chemistry B, 2019, 123, 2536-2545.	2.6	7
8	A Bayesian Approach for Extracting Fluorescence Lifetimes from Sparse Data Sets and Its Significance for Imaging Experiments. Photochemistry and Photobiology, 2019, 95, 773-779.	2.5	7
9	Diffusional Dynamics of Tetraalkylphosphonium Ionic Liquid Films Measured by Fluorescence Correlation Spectroscopy. Journal of Physical Chemistry B, 2019, 123, 4943-4949.	2.6	6
10	The degradation of chlorophyll pigments in dairy silage: the timeline of anaerobic fermentation. Journal of the Science of Food and Agriculture, 2021, 101, 2863-2868.	3.5	6
11	Fluorescence quenching of the SYBR Green I-dsDNA complex by in situ generated magnetic ionic liquids. Analytical and Bioanalytical Chemistry, 2020, 412, 2743-2754.	3.7	5
12	Characterizing Electric Field Exposed P3HT Thin Films Using Polarizedâ€Light Spectroscopies. Macromolecular Chemistry and Physics, 2016, 217, 1801-1809.	2.2	3
13	Spectral Narrowing Accompanies Enhanced Spatial Resolution in Saturated Coherent Anti-Stokes Raman Scattering (CARS): Comparisons of Experiment and Theory. Journal of Physical Chemistry A, 2020, 124, 4305-4313.	2.5	3
14	Localization of Nonblinking Point Sources Using Higher-Order-Mode Detection and Optical Heterodyning: Developing a Strategy for Extending the Scope of Molecular, Super-resolution Imaging. Journal of Physical Chemistry B, 2021, 125, 3092-3104.	2.6	3