

Avik K Pati

List of Publications by Year in descending order

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18
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1040056

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docs citations

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times ranked

530
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-molecule FRET imaging of GPCR dimers in living cells. <i>Nature Methods</i> , 2021, 18, 397-405.	19.0	104
2	Tuning the Baird aromatic triplet-state energy of cyclooctatetraene to maximize the self-healing mechanism in organic fluorophores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24305-24315.	7.1	35
3	Deciphering the Photophysical Role of Conjugated Diyne in Butadiynyl Fluorophores: Synthesis, Photophysical and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2013, 117, 6548-6560.	2.5	32
4	White Light Emission in Butadiyne Bridged Pyrene-Phenyl Hybrid Fluorophore: Understanding the Photophysical Importance of Diyne Spacer and Utilizing the Excited-State Photophysics for Vapor Detection. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5838-5847.	2.5	27
5	Substituted diphenyl butadiynes: a computational study of geometries and electronic transitions using DFT/TD-DFT. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 14015.	2.8	26
6	On the photophysics of butadiyne bridged pyrene-phenyl molecular conjugates: multiple emissive pathways through locally excited, intramolecular charge transfer and excimer states. <i>Faraday Discussions</i> , 2015, 177, 213-235.	3.2	24
7	Contrasting Solid-State Fluorescence of Dienes with Small and Large Aryl Substituents: Crystal Packing Dependence and Stimuli-Responsive Fluorescence Switching. <i>Journal of Physical Chemistry A</i> , 2015, 119, 10481-10493.	2.5	18
8	Photophysics of Diphenylbutadiynes in Water, Acetonitrile-Water, and Acetonitrile Solvent Systems: Application to Single Component White Light Emission. <i>Journal of Physical Chemistry A</i> , 2016, 120, 5826-5837.	2.5	14
9	Quantitative comparison between sub-millisecond time resolution single-molecule FRET measurements and 10-second molecular simulations of a biosensor protein. <i>PLoS Computational Biology</i> , 2020, 16, e1008293.	3.2	14
10	Photoinduced intramolecular charge transfer in a cross-conjugated push-pull enediyne: implications toward photoreaction. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14889-14898.	2.8	8
11	Photophysics and peripheral ring size dependent aggregate emission of cross-conjugated enediynes: applications to white light emission and vapor sensing. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4167-4180.	2.8	7
12	Photoinduced solid state keto-enol tautomerization of 2-(2-(3-nitrophenyl)-4,5-diphenyl-1H-imidazol-1-yloxy)-1-phenylethanone. <i>RSC Advances</i> , 2014, 4, 8044.	3.6	6
13	Photophysical Impact of Diacetylenic Conjugation on Classical Donor-Acceptor Electronic Energy Pair. <i>Journal of Physical Chemistry A</i> , 2019, 123, 443-453.	2.5	6
14	Fluorescent 1-Arylidene-1,3-dihydroisobenzofuran: Ligand-Free Palladium Nanoparticles, Catalyzed Domino Synthesis and Photophysical Studies. <i>ChemistrySelect</i> , 2017, 2, 5259-5265.	1.5	5
15	Meta Effect of Absorption Energy in Donor-Acceptor Substituted Benzenoids: A Computational Study of Its Dependence on Acceptor Strength, Solvent Polarity, and Conjugation Length. <i>Journal of Organic Chemistry</i> , 2014, 79, 8715-8722.	3.2	3
16	Photophysics and photoreactivity of cross-conjugated enediynyl aggregates: Applications to multi-parametric sensing of microheterogeneity and reversible fluorescence switching. <i>Chemical Physics</i> , 2020, 529, 110579.	1.9	3
17	Small push-pull diacetylenes as emergent fluorophores. <i>AIP Conference Proceedings</i> , 2018, . .	0.4	1
18	Resolving fluorescence signatures of a photoconvertible fluorophore by fluorescence spectroscopy and MCR-ALS-based combinatorial approach. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 268, 120683.	3.9	0