Avik K Pati

List of Publications by Year
in descending order

18 papers	333 citations	1040056 9 h-index	888059 17 g-index
18 all docs	18 docs citations	18 times ranked	530 citing authors

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