

Ajay Jha

List of Publications by Year in descending order

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435
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840776

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docs citations

23
times ranked

946
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoactive Anthraquinone-Based Host-Guest Assembly for Long-Lived Charge Separation. <i>Journal of Physical Chemistry C</i> , 2021, 125, 10891-10900.	3.1	6
2	Fundamental Flaw in the Current Construction of the TiO ₂ Electron Transport Layer of Perovskite Solar Cells and Its Elimination. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 39371-39378.	8.0	11
3	Dissociation and localization dynamics of charge transfer excitons at a donor-acceptor interface. <i>Chemical Physics</i> , 2020, 528, 110525.	1.9	5
4	Intermolecular vibrations mediate ultrafast singlet fission. <i>Science Advances</i> , 2020, 6, .	10.3	42
5	Photoinduced Vibrations Drive Ultrafast Structural Distortion in Lead Halide Perovskite. <i>Journal of the American Chemical Society</i> , 2020, 142, 16569-16578.	13.7	30
6	Transient Raman Snapshots of the Twisted Intramolecular Charge Transfer State in a Stilbazolium Dye. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4842-4848.	4.6	17
7	Evidence and implications for exciton dissociation in lead halide perovskites. <i>EPJ Web of Conferences</i> , 2019, 205, 06018.	0.3	0
8	Origin of poor doping efficiency in solution processed organic semiconductors. <i>Chemical Science</i> , 2018, 9, 4468-4476.	7.4	18
9	Direct Observation of Ultrafast Exciton Dissociation in Lead Iodide Perovskite by 2D Electronic Spectroscopy. <i>ACS Photonics</i> , 2018, 5, 852-860.	6.6	57
10	The hit-and-return system enables efficient time-resolved serial synchrotron crystallography. <i>Nature Methods</i> , 2018, 15, 901-904.	19.0	67
11	Ultrafast bridge planarization in donor-acceptor copolymers drives intramolecular charge transfer. <i>Nature Communications</i> , 2017, 8, 1716.	12.8	77
12	Photoinduced charge generation rates in soluble P3HT:PCBM nano-aggregates predict the solvent-dependent film morphology. <i>Nanoscale</i> , 2016, 8, 2768-2777.	5.6	17
13	Ultrafast Triplet Generation and its Sensitization Drives Efficient Photoisomerization of Tetra-cis-lycopene to All-trans-lycopene. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8669-8678.	2.6	13
14	Photoinduced Charge Transfer State Probes the Dynamic Water Interaction with Metal-Organic Nanocages. <i>Journal of Physical Chemistry C</i> , 2015, 119, 21234-21242.	3.1	14
15	Heterogeneity in Dye-TiO ₂ Interactions Dictate Charge Transfer Efficiencies for Diketopyrrolopyrrole-Based Polymer Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 29650-29662.	3.1	5
16	Light-Induced Proton-Coupled Electron Transfer Inside a Nanocage. <i>Journal of the American Chemical Society</i> , 2014, 136, 15909-15912.	13.7	45
17	Photoinduced Charge Transfer in Solvated Anthraquinones Is Facilitated by Low-Frequency Ring Deformations. <i>Journal of Physical Chemistry B</i> , 2013, 117, 12276-12285.	2.6	9