Ajay Jha

List of Publications by Year
in descending order

17	435	840776 11	888059 17
papers	citations	h-index	g-index

23	23	23	946
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrafast bridge planarization in donor-Ï€-acceptor copolymers drives intramolecular charge transfer. Nature Communications, 2017, 8, 1716.	12.8	77
2	The hit-and-return system enables efficient time-resolved serial synchrotron crystallography. Nature Methods, 2018, 15, 901-904.	19.0	67
3	Direct Observation of Ultrafast Exciton Dissociation in Lead Iodide Perovskite by 2D Electronic Spectroscopy. ACS Photonics, 2018, 5, 852-860.	6.6	57
4	Light-Induced Proton-Coupled Electron Transfer Inside a Nanocage. Journal of the American Chemical Society, 2014, 136, 15909-15912.	13.7	45
5	Intermolecular vibrations mediate ultrafast singlet fission. Science Advances, 2020, 6, .	10.3	42
6	Photoinduced Vibrations Drive Ultrafast Structural Distortion in Lead Halide Perovskite. Journal of the American Chemical Society, 2020, 142, 16569-16578.	13.7	30
7	Origin of poor doping efficiency in solution processed organic semiconductors. Chemical Science, 2018, 9, 4468-4476.	7.4	18
8	Photoinduced charge generation rates in soluble P3HTâ€‰:â€‰PCBM nano-aggregates predict the solvent-dependent film morphology. Nanoscale, 2016, 8, 2768-2777.	5.6	17
9	Transient Raman Snapshots of the Twisted Intramolecular Charge Transfer State in a Stilbazolium Dye. Journal of Physical Chemistry Letters, 2020, 11, 4842-4848.	4.6	17
10	Photoinduced Charge Transfer State Probes the Dynamic Water Interaction with Metalâ€“Organic Nanocages. Journal of Physical Chemistry C, 2015, 119, 21234-21242.	3.1	14
11	Ultrafast Triplet Generation and its Sensitization Drives Efficient Photoisomerization of Tetra-cis-lycopene to All-trans-lycopene. Journal of Physical Chemistry B, 2015, 119, 8669-8678.	2.6	13
12	Fundamental Flaw in the Current Construction of the TiO₂ Electron Transport Layer of Perovskite Solar Cells and Its Elimination. ACS Applied Materials & Interfaces, 2021, 13, 39371-39378.	8.0	11
13	Photoinduced Charge Transfer in Solvated Anthraquinones Is Facilitated by Low-Frequency Ring Deformations. Journal of Physical Chemistry B, 2013, 117, 12276-12285.	2.6	9
14	Photoactive Anthraquinone-Based Hostâ€“Guest Assembly for Long-Lived Charge Separation. Journal of Physical Chemistry C, 2021, 125, 10891-10900.	3.1	6
15	Heterogeneity in Dyeâ€“TiO₂ Interactions Dictate Charge Transfer Efficiencies for Diketopyrrolopyrrole-Based Polymer Sensitized Solar Cells. Journal of Physical Chemistry C, 2014, 118, 29650-29662.	3.1	5
16	Dissociation and localization dynamics of charge transfer excitons at a donor-acceptor interface. Chemical Physics, 2020, 528, 110525.	1.9	5
17	Evidence and implications for exciton dissociation in lead halide perovskites. EPJ Web of Conferences, 2019, 205, 06018.	0.3	0