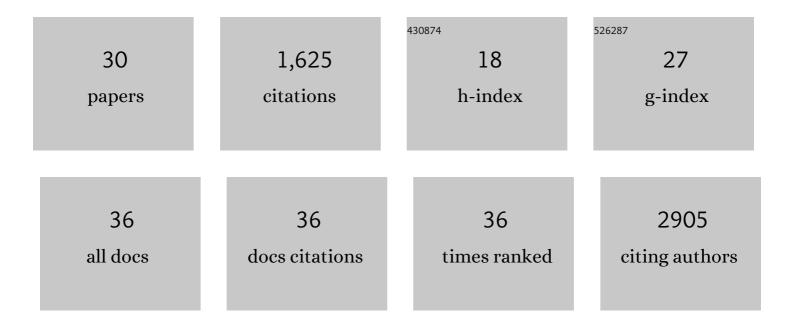
## Shyamal K K Prasad

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Mapping Polymer Donors toward Highâ€Efficiency Fullerene Free Organic Solar Cells. Advanced Materials, 2017, 29, 1604155.	21.0	360
2	The Evolution of Quantum Confinement in CsPbBr <sub>3</sub> Perovskite Nanocrystals. Chemistry of Materials, 2017, 29, 3644-3652.	6.7	258
3	High Exciton Diffusion Coefficients in Fused Ring Electron Acceptor Films. Journal of the American Chemical Society, 2019, 141, 6922-6929.	13.7	177
4	Balanced Partnership between Donor and Acceptor Components in Nonfullerene Organic Solar Cells with >12% Efficiency. Advanced Materials, 2018, 30, e1706363.	21.0	172
5	Photochemical upconversion of near-infrared light from below the silicon bandgap. Nature Photonics, 2020, 14, 585-590.	31.4	88
6	Tuning the Molecular Weight of the Electron Accepting Polymer in Allâ€Polymer Solar Cells: Impact on Morphology and Charge Generation. Advanced Functional Materials, 2018, 28, 1707185.	14.9	65
7	Spectroscopically tracking charge separation in polymer : fullerene blends with a three-phase morphology. Energy and Environmental Science, 2015, 8, 2713-2724.	30.8	44
8	Large, Tunable, and Reversible pH Changes by Merocyanine Photoacids. Journal of the American Chemical Society, 2021, 143, 20758-20768.	13.7	43
9	Intramolecular Versus Intermolecular Triplet Fusion in Multichromophoric Photochemical Upconversion. Journal of Physical Chemistry C, 2019, 123, 20181-20187.	3.1	42
10	Naphthalene diimide-based small molecule acceptors for organic solar cells. Journal of Materials Chemistry A, 2017, 5, 12266-12277.	10.3	41
11	Critical Role of Pendant Group Substitution on the Performance of Efficient All-Polymer Solar Cells. Chemistry of Materials, 2017, 29, 804-816.	6.7	41
12	Influence of Fullerene Acceptor on the Performance, Microstructure, and Photophysics of Low Bandgap Polymer Solar Cells. Advanced Energy Materials, 2017, 7, 1602197.	19.5	38
13	Isolating and quantifying the impact of domain purity on the performance of bulk heterojunction solar cells. Energy and Environmental Science, 2017, 10, 1843-1853.	30.8	31
14	Impact of Acceptor Fluorination on the Performance of All-Polymer Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 955-969.	8.0	31
15	Ultrafast Spectrally Resolved Photoinduced Complex Refractive Index Changes in CsPbBr <sub>3</sub> Perovskites. ACS Photonics, 2019, 6, 345-350.	6.6	27
16	Evolution of Nonmirror Image Fluorescence Spectra in Conjugated Polymers and Oligomers. Journal of Physical Chemistry Letters, 2016, 7, 3307-3312.	4.6	25
17	Impact of Fullerene Mixing Behavior on the Microstructure, Photophysics, and Device Performance of Polymer/Fullerene Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 29608-29618.	8.0	24
18	Singlet Fission in Concentrated TIPS-Pentacene Solutions: The Role of Excimers and Aggregates. Journal of the American Chemical Society, 2021, 143, 13749-13758.	13.7	22

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#	Article	IF	CITATIONS
19	Quantifying highly efficient incoherent energy transfer in perylene-based multichromophore arrays. Physical Chemistry Chemical Physics, 2016, 18, 1712-1719.	2.8	20
20	Development of tethered dual catalysts: synergy between photo- and transition metal catalysts for enhanced catalysis. Chemical Science, 2020, 11, 6256-6267.	7.4	20
21	TIPS-anthracene: a singlet fission or triplet fusion material?. Journal of Photonics for Energy, 2018, 8, 1.	1.3	14
22	An N-heterocyclic carbene phenanthroline ligand: synthesis, multi-metal coordination and spectroscopic studies. Dalton Transactions, 2015, 44, 3728-3736.	3.3	11
23	Organic polariton lasing with molecularly isolated perylene diimides. Applied Physics Letters, 2020, 117, .	3.3	11
24	End-Functionalized Semiconducting Polymers as Reagents in the Synthesis of Hybrid II–VI Nanoparticles. Langmuir, 2018, 34, 9692-9700.	3.5	7
25	Efficient and tunable spectral compression using frequency-domain nonlinear optics. Optics Express, 2018, 26, 28140.	3.4	5
26	Singlet and Triplet Exciton Dynamics of Violanthrone. Journal of Physical Chemistry C, 2021, 125, 22464-22471.	3.1	3
27	Improved optical confinement in ambipolar field-effect transistors toward electrical injection organic lasers. Applied Physics Letters, 2021, 119, 163303.	3.3	1
28	HIGH-SENSITIVITY ULTRAFAST TRANSIENT ABSORPTION SPECTROSCOPY OF ORGANIC PHOTOVOLTAIC DEVICES. , 2014, , .		0
29	Incoherent charge separation dynamics in organic photovoltaics. , 2016, , .		0
30	Capturing ultrafast spectral evolution with transient grating photoluminescence spectroscopy. Proceedings of SPIE, 2016, , .	0.8	0