

# Naresh Chandrasekaran

## List of Publications by Year in descending order

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15  
papers

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759233

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996975

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15  
docs citations

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times ranked

980  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial disorder in efficient polymer solar cells: the impact of donor molecular structure and solvent additives. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24749-24757.	10.3	63
2	Semi-transparent perovskite solar cells with a cross-linked hole transport layer. <i>Nano Energy</i> , 2020, 71, 104635.	16.0	49
3	Critical Role of Pendant Group Substitution on the Performance of Efficient All-Polymer Solar Cells. <i>Chemistry of Materials</i> , 2017, 29, 804-816.	6.7	41
4	Influence of Fullerene Acceptor on the Performance, Microstructure, and Photophysics of Low Bandgap Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1602197.	19.5	38
5	Correlation between Photovoltaic Performance and Interchain Ordering Induced Delocalization of Electronics States in Conjugated Polymer Blends. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 20243-20250.	8.0	31
6	Isolating and quantifying the impact of domain purity on the performance of bulk heterojunction solar cells. <i>Energy and Environmental Science</i> , 2017, 10, 1843-1853.	30.8	31
7	Impact of Acceptor Fluorination on the Performance of All-Polymer Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 955-969.	8.0	31
8	Enhancement of 3D/2D Perovskite Solar Cells Using an F4TCNQ Molecular Additive. <i>ACS Applied Energy Materials</i> , 2020, 3, 8205-8215.	5.1	28
9	Impact of Fullerene Mixing Behavior on the Microstructure, Photophysics, and Device Performance of Polymer/Fullerene Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 29608-29618.	8.0	24
10	Kinetics of thermally activated triplet fusion as a function of polymer chain packing in boosting the efficiency of organic light emitting diodes. <i>Npj Flexible Electronics</i> , 2018, 2, .	10.7	17
11	High performance as-cast P3HT:PCBM devices: understanding the role of molecular weight in high regioregularity P3HT. <i>Materials Advances</i> , 2021, 2, 2045-2054.	5.4	14
12	Effect of regioregularity on recombination dynamics in inverted bulk heterojunction organic solar cells. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 015501.	2.8	13
13	Microfluidic Processing of Ligand-Engineered NiO Nanoparticles for Low-Temperature Hole-Transporting Layers in Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2100342.	5.8	11
14	Non-Aqueous One-Pot SnO <sub>2</sub> Nanoparticle Inks and Their Use in Printable Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2022, 34, 5535-5545.	6.7	7
15	Role of Molecular and Interchain Ordering in the Formation of a $\hat{\nu}$ -Hole-Transporting Layer in Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 3806-3814.	8.0	6