

Guichuan Zhang

List of Publications by Year in descending order

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11
papers

4,970
citations

932766

10
h-index

1281420

11
g-index

11
all docs

11
docs citations

11
times ranked

3849
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Junction Organic Solar Cell with over 15% Efficiency Using Fused-Ring Acceptor with Electron-Deficient Core. <i>Joule</i> , 2019, 3, 1140-1151.	11.7	4,052
2	Delocalization of exciton and electron wavefunction in non-fullerene acceptor molecules enables efficient organic solar cells. <i>Nature Communications</i> , 2020, 11, 3943.	5.8	458
3	Exploiting Ternary Blends for Improved Photostability in High-Efficiency Organic Solar Cells. <i>ACS Energy Letters</i> , 2020, 5, 1371-1379.	8.8	126
4	Long-lived and disorder-free charge transfer states enable endothermic charge separation in efficient non-fullerene organic solar cells. <i>Nature Communications</i> , 2020, 11, 5617.	5.8	73
5	High-Performance Ternary Organic Solar Cells with Controllable Morphology via Sequential Layer-by-Layer Deposition. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13077-13086.	4.0	69
6	Overcoming Space-Charge Effect for Efficient Thick-Film Non-Fullerene Organic Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1801609.	10.2	62
7	An Operando Study on the Photostability of Nonfullerene Organic Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1900077.	3.1	59
8	Efficient device engineering for inverted non-fullerene organic solar cells with low energy loss. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4457-4463.	2.7	41
9	Quantification of Temperature-Dependent Charge Separation and Recombination Dynamics in Non-Fullerene Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2021, 31, 2107157.	7.8	13
10	Emissive Charge-Transfer States at Hybrid Inorganic/Organic Heterojunctions Enable Low Non-Radiative Recombination and High-Performance Photodetectors. <i>Advanced Materials</i> , 2022, 34, e2104654.	11.1	13
11	A distorted lactam unit with intramolecular hydrogen bonds as the electron donor of polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12290-12296.	2.7	4