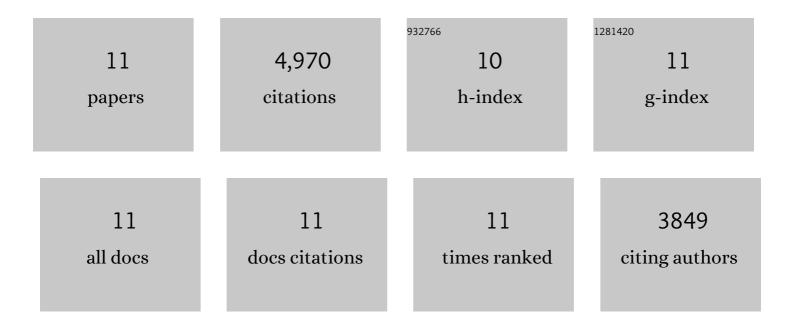
## **Guichuan Zhang**

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5140101/publications.pdf Version: 2024-02-01



GUICHUAN ZHANG

#	Article	IF	CITATIONS
1	Single-Junction Organic Solar Cell with over 15% Efficiency Using Fused-Ring Acceptor with Electron-Deficient Core. Joule, 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. Nature Communications, 2020, 11, 3943.	5.8	458
3	Exploiting Ternary Blends for Improved Photostability in High-Efficiency Organic Solar Cells. ACS Energy Letters, 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. Nature Communications, 2020, 11, 5617.	5.8	73
5	High-Performance Ternary Organic Solar Cells with Controllable Morphology via Sequential Layer-by-Layer Deposition. ACS Applied Materials & Interfaces, 2020, 12, 13077-13086.	4.0	69
6	Overcoming Spaceâ€Charge Effect for Efficient Thickâ€Film Nonâ€Fullerene Organic Solar Cells. Advanced Energy Materials, 2018, 8, 1801609.	10.2	62
7	An Operando Study on the Photostability of Nonfullerene Organic Solar Cells. Solar Rrl, 2019, 3, 1900077.	3.1	59
8	Efficient device engineering for inverted non-fullerene organic solar cells with low energy loss. Journal of Materials Chemistry C, 2018, 6, 4457-4463.	2.7	41
9	Quantification of Temperatureâ€Dependent Charge Separation and Recombination Dynamics in Nonâ€Fullerene Organic Photovoltaics. Advanced Functional Materials, 2021, 31, 2107157.	7.8	13
10	Emissive Chargeâ€Transfer States at Hybrid Inorganic/Organic Heterojunctions Enable Low Nonâ€Radiative Recombination and Highâ€Performance Photodetectors. Advanced Materials, 2022, 34, e2104654.	11.1	13
11	A distorted lactam unit with intramolecular hydrogen bonds as the electron donor of polymer solar cells. Journal of Materials Chemistry C, 2019, 7, 12290-12296.	2.7	4