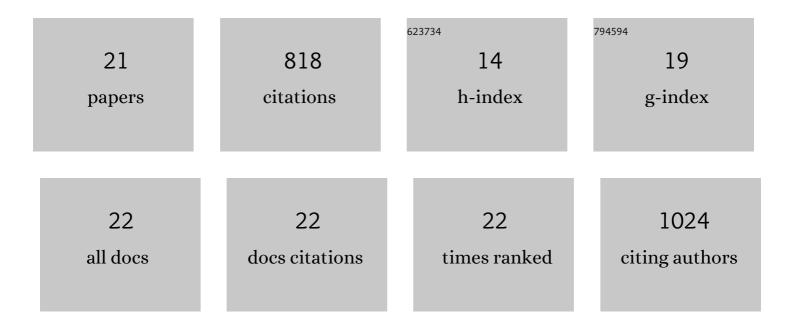
Julien Gorenflot

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Intrinsic efficiency limits in low-bandgap non-fullerene acceptor organic solar cells. Nature Materials, 2021, 20, 378-384.	27.5	257
2	The Energy Level Conundrum of Organic Semiconductors in Solar Cells. Advanced Materials, 2022, 34,	21.0	72
3	Nongeminate recombination in neat P3HT and P3HT:PCBM blend films. Journal of Applied Physics, 2014, 115, .	2.5	58
4	Triphenylamine-Based Push–Pull σ–C ₆₀ Dyad As Photoactive Molecular Material for Single-Component Organic Solar Cells: Synthesis, Characterizations, and Photophysical Properties. Chemistry of Materials, 2018, 30, 3474-3485.	6.7	58
5	Thermal annealing reduces geminate recombination in TQ1:N2200 all-polymer solar cells. Journal of Materials Chemistry A, 2018, 6, 7428-7438.	10.3	45
6	Mixed Domains Enhance Charge Generation and Extraction in Bulkâ€Heterojunction Solar Cells with Smallâ€Molecule Donors. Advanced Energy Materials, 2018, 8, 1702941.	19.5	43
7	Understanding the Charge Transfer State and Energy Loss Trade-offs in Non-fullerene-Based Organic Solar Cells. ACS Energy Letters, 2021, 6, 3408-3416.	17.4	40
8	Chemical Design Rules for Nonâ€Fullerene Acceptors in Organic Solar Cells. Advanced Energy Materials, 2021, 11, 2102363.	19.5	38
9	Impact of Fullerene on the Photophysics of Ternary Small Molecule Organic Solar Cells. Advanced Energy Materials, 2019, 9, 1901443.	19.5	37
10	From Recombination Dynamics to Device Performance: Quantifying the Efficiency of Exciton Dissociation, Charge Separation, and Extraction in Bulk Heterojunction Solar Cells with Fluorineâ€substituted Polymer Donors. Advanced Energy Materials, 2018, 8, 1701678.	19.5	33
11	Charge Photogeneration in Nonâ€Fullerene Organic Solar Cells: Influence of Excess Energy and Electrostatic Interactions. Advanced Functional Materials, 2021, 31, 2007479.	14.9	31
12	Absence of Postnanosecond Charge Carrier Relaxation in Poly(3-hexylthiophene)/Fullerene Blends. Journal of Physical Chemistry Letters, 2011, 2, 1368-1371.	4.6	30
13	Buildup of Triplet-State Population in Operating TQ1:PC ₇₁ BM Devices Does Not Limit Their Performance. Journal of Physical Chemistry Letters, 2020, 11, 2838-2845.	4.6	30
14	Charge and Triplet Exciton Generation in Neat PC ₇₀ BM Films and Hybrid CuSCN:PC ₇₀ BM Solar Cells. Advanced Energy Materials, 2019, 9, 1802476.	19.5	20
15	Direct and Energy-Transfer-Mediated Charge-Transfer State Formation and Recombination in Triangulene-Spacer-Perylenediimide Multichromophores: Lessons for Photovoltaic Applications. Journal of Physical Chemistry C, 2019, 123, 16602-16613.	3.1	11
16	Quantification of Photophysical Processes in Allâ€Polymer Bulk Heterojunction Solar Cells. Solar Rrl, 2020, 4, 2000181.	5.8	8
17	Chemical Design Rules for Nonâ€Fullerene Acceptors in Organic Solar Cells (Adv. Energy Mater.) Tj ETQq1 1 0.	784314 rgB ⁻ 19.5	T /Qverlock
18	Effect of Quencher, Geometry, and Light Outcoupling on the Determination of Exciton Diffusion Length in Nonfullerene Acceptors. Solar Rrl, 2022, 6, .	5.8	2

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#	Article	IF	CITATIONS
19	Ultrafast Energy Transfer Triggers Ionization Energy Offset Dependence of Quantum Efficiency in Low-bandgap Non-fullerene Acceptor Solar Cells. , 0, , .		Ο
20	Quantifying the Yield of Photophysical Processes in All-Polymer Bulk Heterojunction Solar Cells. , 0, ,		0
21	Role of Energy Transfer and Ionization Energy Offset in NFA-based Ternary Organic Solar Cells: Implications to Design Rules. , 0, , .		0