Yvonne J Hofstetter

List of Publications by Year
in descending order

27 papers	1,084 citations	567281 15 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	1360 citing authors

#	Article	IF	Citations
1	A general approach to high-efficiency perovskite solar cells by any antisolvent. Nature Communications, 2021, 12, 1878.	12.8	209
2	23.7% Efficient inverted perovskite solar cells by dual interfacial modification. Science Advances, 2021, 7, eabj7930.	10.3	205
3	High performance planar perovskite solar cells by ZnO electron transport layer engineering. Nano Energy, 2017, 39, 400-408.	16.0	120
4	2D/3D perovskite engineering eliminates interfacial recombination losses in hybrid perovskite solar cells. CheM, 2021, 7, 1903-1916.	11.7	108
5	Sustainability in Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 1-17.	8.0	53
6	Efficient n-Doping and Hole Blocking in Single-Walled Carbon Nanotube Transistors with 1,2,4,5-Tetrakis(tetramethylguanidino)ben-zene. ACS Nano, 2018, 12, 5895-5902.	14.6	40
7	Efficient Thermally Evaporated Î³â€CsPbI₃ Perovskite Solar Cells. Advanced Energy Materials, 2021, 11, 2100299.	19.5	35
8	<i>N</i>-Heteroacenes as a New Class of Non-Fullerene Electron Acceptors for Organic Bulk-Heterojunction Photovoltaic Devices. Solar Rrl, 2017, 1, 1700053.	5.8	30
9	Enhancing the Open-Circuit Voltage of Perovskite Solar Cells by Embedding Molecular Dipoles within Their Hole-Blocking Layer. ACS Applied Materials & Interfaces, 2020, 12, 3572-3579.	8.0	30
10	Quantifying the Damage Induced by X-ray Photoelectron Spectroscopy Depth Profiling of Organic Conjugated Polymers. ACS Applied Polymer Materials, 2019, 1, 1372-1381.	4.4	26
11	Effect of Injection Layer Sub-Bandgap States on Electron Injection in Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2017, 9, 6220-6227.	8.0	25
12	Traps and transport resistance are the next frontiers for stable non-fullerene acceptor solar cells. Nature Communications, 2022, 13, .	12.8	23
13	Vacuum-Induced Degradation of 2D Perovskites. Frontiers in Chemistry, 2020, 8, 66.	3.6	19
14	Energy Level Alignment in Ternary Organic Solar Cells. Advanced Electronic Materials, 2020, 6, 2000213.	5.1	18
15	Triptycenylâ€phenazinoâ€thiadiazole as acceptor in organic bulk-heterojunction solar cells. Organic Electronics, 2018, 57, 285-291.	2.6	16
16	Roll-to-roll fabrication of highly transparent Ca:Ag top-electrode towards flexible large-area OLED lighting application. Flexible and Printed Electronics, 2021, 6, 035001.	2.7	16
17	Doped Organic Hole Extraction Layers in Efficient PbS and AgBiS₂ Quantum Dot Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 18750-18757.	8.0	16
18	Triptycene-trisaroyleneimidazoles as non-fullerene acceptors â€“ Influence of side-chains on solubility, device morphology and performance. Organic Electronics, 2017, 47, 211-219.	2.6	15

#	Article	IF	Citations
19	The effect of side-chain length on the microstructure and processing window of zone-cast naphthalene-based bispentalenes. Journal of Materials Chemistry C, 2019, 7, 13493-13501.	5.5	14
20	Fluorination of Organic Spacer Impacts on the Structural and Optical Response of 2D Perovskites. Frontiers in Chemistry, 2019, 7, 946.	3.6	14
21	Liquid Exfoliation of Ni₂P₂S₆: Structural Characterization, Size-Dependent Properties, and Degradation. Chemistry of Materials, 2019, 31, 9127-9139.	6.7	13
22	Effect of Antisolvent Application Rate on Film Formation and Photovoltaic Performance of Methylammoniumâ€Free Perovskite Solar Cells. Advanced Energy and Sustainability Research, 2021, 2, 2100061.	5.8	13
23	Simultaneous enhancement in open circuit voltage and short circuit current of hybrid organicâ€“inorganic photovoltaics by inorganic interfacial modification. Journal of Materials Chemistry C, 2016, 4, 1111-1116.	5.5	11
24	The Role of Additives in Suppressing the Degradation of Liquidâ€Exfoliated WS 2 Monolayers. Advanced Materials, 2021, 33, 2102883.	21.0	6
25	Oxygen-induced degradation in AgBiS₂ nanocrystal solar cells. Nanoscale, 2022, 14, 3020-3030.	5.6	6
26	Dimeric Phenazinothiadiazole Acceptors in Bulk Heterojunction Solar Cells. Organic Materials, 2021, 03, 168-173.	2.0	3
27	23.7% Efficient Inverted Perovskite Solar Cells by Dual Interfacial Modification. , 0, , .		0