Flurin D Eisner

List of Publications by Year
in descending order

32 papers	1,584 citations	430874 18 h-index	501196 28 g-index
34 all docs	34 docs citations	34 times ranked	2385 citing authors

#	Article	IF	Citations
1	Emissive Chargeâ€Transfer States at Hybrid Inorganic/Organic Heterojunctions Enable Low Nonâ€Radiative Recombination and Highâ€Performance Photodetectors. Advanced Materials, 2022, 34, e2104654.	21.0	13
2	Reconciling models of interfacial state kinetics and device performance in organic solar cells: impact of the energy offsets on the power conversion efficiency. Energy and Environmental Science, 2022, 15, 1256-1270.	30.8	21
3	Near-IR Absorbing Molecular Semiconductors Incorporating Cyanated Benzothiadiazole Acceptors for High-Performance Semitransparent n-Type Organic Field-Effect Transistors. , 2022, 4, 165-174.		12
4	Relationship between molecular properties and degradation mechanisms of organic solar cells based on bis-adducts of phenyl-C₆₁butyric acid methyl ester. Journal of Materials Chemistry C, 2022, 10, 7875-7885.	5.5	2
5	Identifying structureâ€“absorption relationships and predicting absorption strength of non-fullerene acceptors for organic photovoltaics. Energy and Environmental Science, 2022, 15, 2958-2973.	30.8	22
6	Influence of static disorder of charge transfer state on voltage loss in organic photovoltaics. Nature Communications, 2021, 12, 3642.	12.8	41
7	Barrierless charge generation at non-fullerene organic heterojunctions comes at a cost. Joule, 2021, 5, 1319-1322.	24.0	10
8	Influence of Backbone Curvature on the Organic Electrochemical Transistor Performance of Glycolated Donorâ€“Acceptor Conjugated Polymers. Angewandte Chemie - International Edition, 2021, 60, 19679-19684.	13.8	29
9	Influence of Backbone Curvature on the Organic Electrochemical Transistor Performance of Glycolated Donorâ€“Acceptor Conjugated Polymers. Angewandte Chemie, 2021, 133, 19831-19836.	2.0	2
10	Color-tunable hybrid heterojunctions as semi-transparent photovoltaic windows for photoelectrochemical water splitting. Cell Reports Physical Science, 2021, 2, 100676.	5.6	3
11	Ring fusion in tetrathienylethene cored perylene diimide tetramers affords acceptors with strong and broad absorption in the near-UV to visible region. Journal of Materials Chemistry C, 2020, 8, 17237-17244.	5.5	13
12	Correlating the Phase Behavior with the Device Performance in Binary Poly-3-hexylthiophene: Nonfullerene Acceptor Blend Using Optical Probes of the Microstructure. Chemistry of Materials, 2020, 32, 8294-8305.	6.7	21
13	Colloidal Quantum Dot Photovoltaics Using Ultrathin, Solution-Processed Bilayer In₂O₃/ZnO Electron Transport Layers with Improved Stability. ACS Applied Energy Materials, 2020, 3, 5135-5141.	5.1	13
14	Overcoming the Limitations of Transient Photovoltage Measurements for Studying Recombination in Organic Solar Cells. Solar Rrl, 2020, 4, 1900581.	5.8	38
15	Crucial Role of Fluorine in Fully Alkylated Ladder-Type Carbazole-Based Nonfullerene Organic Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 9555-9562.	8.0	31
16	Fused Cyclopentadithienothiophene Acceptor Enables Ultrahigh Shortâ€Circuit Current and High Efficiency >11% in Asâ€Cast Organic Solar Cells. Advanced Functional Materials, 2019, 29, 1904956.	14.9	26
17	Highly-efficient semi-transparent organic solar cells utilising non-fullerene acceptors with optimised multilayer MoO₃/Ag/MoO₃ electrodes. Materials Chemistry Frontiers, 2019, 3, 450-455.	5.9	40
18	Hybridization of Local Exciton and Charge-Transfer States Reduces Nonradiative Voltage Losses in Organic Solar Cells. Journal of the American Chemical Society, 2019, 141, 6362-6374.	13.7	307

#	Article	IF	Citations
19	Charge and Triplet Exciton Generation in Neat PC₇₀BM Films and Hybrid CuSCN:PC₇₀BM Solar Cells. Advanced Energy Materials, 2019, 9, 1802476.	19.5	20
20	Highâ€Efficiency Fullerene Solar Cells Enabled by a Spontaneously Formed Mesostructured CuSCNâ€Nanowire Heterointerface. Advanced Science, 2018, 5, 1700980.	11.2	19
21	An Alkylated Indacenodithieno[3,2â€<i>b</i>]thiopheneâ€Based Nonfullerene Acceptor with High Crystallinity Exhibiting Single Junction Solar Cell Efficiencies Greater than 13% with Low Voltage Losses. Advanced Materials, 2018, 30, 1705209.	21.0	474
22	Charge Photogeneration and Recombination in Mesostructured CuSCNâ€Nanowire/PC₇₀BM Solar Cells. Solar Rrl, 2018, 2, 1800095.	5.8	9
23	Solutionâ€Processed In₂O₃/ZnO Heterojunction Electron Transport Layers for Efficient Organic Bulk Heterojunction and Inorganic Colloidal Quantumâ€Dot Solar Cells. Solar Rrl, 2018, 2, 1800076.	5.8	34
24	Probing and Controlling Intragrain Crystallinity for Improved Low Temperatureâ€“Processed Perovskite Solar Cells. Advanced Functional Materials, 2018, 28, 1803943.	14.9	18
25	pâ€Doping of Copper(I) Thiocyanate (CuSCN) Holeâ€Transport Layers for Highâ€Performance Transistors and Organic Solar Cells. Advanced Functional Materials, 2018, 28, 1802055.	14.9	50
26	Copper(I) Thiocyanate (CuSCN) Holeâ€Transport Layers Processed from Aqueous Precursor Solutions and Their Application in Thinâ€Film Transistors and Highly Efficient Organic and Organometal Halide Perovskite Solar Cells. Advanced Functional Materials, 2017, 27, 1701818.	14.9	208
27	Density of Deep Trap States in Oriented TiO₂ Nanotube Arrays. Journal of Physical Chemistry C, 2014, 118, 18207-18213.	3.1	73
28	Hybridization of Local Exciton and Charge-Transfer States Reduces Nonradiative Voltage Losses in Organic Solar Cells. , 0, , .		0
29	Relating Microstructure Behaviour to Charge Transfer States Properties and Energy Losses in Organic Bulk Heterojunction Solar Cells. , 0, , .		0
30	Hybridization of Local Exciton and Charge-Transfer States Reduces Nonradiative Voltage Losses in Organic Solar Cells. , 0, , .		0
31	Relating Microstructure Behaviour to Charge Transfer States Properties and Energy Losses in Organic Bulk Heterojunction Solar Cells. , 0, , .		0
32	Luminescence as a probe of energetics, microstructure and charge dynamics at molecular heterojunctions. , 0, , .		0