

Gert-Jan A H Wetzelaer

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

1,688
citations

18
h-index

40
g-index

40
ext. papers

1,952
ext. citations

11.5
avg, IF

5.08
L-index

#	Paper	IF	Citations
37	Role of Linker Functionality in Polymers Exhibiting Main-Chain Thermally Activated Delayed Fluorescence.. <i>Advanced Science</i> , 2022 , e2200056	13.6	0
36	Quantifying Exciton Annihilation Effects in Thermally Activated Delayed Fluorescence Materials. <i>Advanced Optical Materials</i> , 2022 , 10, 2101784	8.1	1
35	Efficiency of Polymer Light-Emitting Diodes: A Perspective. <i>Advanced Materials</i> , 2021 , e2108887	24	3
34	Optical Outcoupling Efficiency of Organic Light-Emitting Diodes with a Broad Recombination Profile. <i>Advanced Optical Materials</i> , 2021 , 9, 2001812	8.1	6
33	Optical Outcoupling Efficiency in Polymer Light-Emitting Diodes. <i>Advanced Electronic Materials</i> , 2021 , 7, 2100155	6.4	2
32	Origin of the Efficiency Roll-Off in Single-Layer Organic Light-Emitting Diodes Based on Thermally Activated Delayed Fluorescence. <i>Advanced Optical Materials</i> , 2021 , 9, 2100249	8.1	9
31	Molecular Origin of Balanced Bipolar Transport in Neat Layers of the Emitter CzDBA. <i>Advanced Materials Technologies</i> , 2021 , 6, 2000120	6.8	6
30	Molecular library of OLED host materialsEvaluating the multiscale simulation workflow. <i>Chemical Physics Reviews</i> , 2021 , 2, 031304	4.4	7
29	De Novo Simulation of Charge Transport through Organic Single-Carrier Devices. <i>Journal of Chemical Theory and Computation</i> , 2021 , 17, 6416-6422	6.4	2
28	Virtual Screening of TADF Emitters for Single-Layer OLEDs.. <i>Frontiers in Chemistry</i> , 2021 , 9, 800027	5	3
27	Interlayers for Improved Hole Injection in Organic Field-Effect Transistors. <i>Advanced Electronic Materials</i> , 2020 , 6, 1901352	6.4	10
26	Device Model for Methylammonium Lead Iodide Perovskite With Experimentally Validated Ion Dynamics. <i>Advanced Electronic Materials</i> , 2020 , 6, 1900935	6.4	13
25	Role of Singlet and Triplet Excitons on the Electrical Stability of Polymer Light-Emitting Diodes. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000367	6.4	1
24	Space-charge-limited electron and hole currents in hybrid organic-inorganic perovskites. <i>Nature Communications</i> , 2020 , 11, 4023	17.4	60
23	A window to trap-free charge transport in organic semiconducting thin films. <i>Nature Materials</i> , 2019 , 18, 1182-1186	27	82
22	Hole-transport comparison between solution-processed and vacuum-deposited organic semiconductors. <i>APL Materials</i> , 2019 , 7, 011105	5.7	1
21	Unifying Energetic Disorder from Charge Transport and Band Bending in Organic Semiconductors. <i>Advanced Functional Materials</i> , 2019 , 29, 1901109	15.6	51

20	Electron Trapping in Conjugated Polymers. <i>Chemistry of Materials</i> , 2019 , 31, 6380-6386	9.6	42
19	Efficient and stable single-layer organic light-emitting diodes based on thermally activated delayed fluorescence. <i>Nature Photonics</i> , 2019 , 13, 765-769	33.9	80
18	Improved Hole Injection into Perovskite Light-Emitting Diodes Using A Black Phosphorus Interlayer. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800687	6.4	14
17	Universal strategy for Ohmic hole injection into organic semiconductors with high ionization energies. <i>Nature Materials</i> , 2018 , 17, 329-334	27	119
16	Hole trap formation in polymer light-emitting diodes under current stress. <i>Nature Materials</i> , 2018 , 17, 557-562	27	50
15	Rigorous Characterization and Predictive Modeling of Hole Transport in Amorphous Organic Semiconductors. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800366	6.4	20
14	Absence of ferroelectricity in methylammonium lead iodide perovskite. <i>AIP Advances</i> , 2017 , 7, 095110	1.5	22
13	25th anniversary article: charge transport and recombination in polymer light-emitting diodes. <i>Advanced Materials</i> , 2014 , 26, 512-31	24	158
12	Quantifying Bimolecular Recombination in Organic Solar Cells in Steady State. <i>Advanced Energy Materials</i> , 2013 , 3, 1130-1134	21.8	56
11	Simultaneous Open-Circuit Voltage Enhancement and Short-Circuit Current Loss in Polymer: Fullerene Solar Cells Correlated by Reduced Quantum Efficiency for Photoinduced Electron Transfer. <i>Advanced Energy Materials</i> , 2013 , 3, 85-94	21.8	72
10	Asymmetric electron and hole transport in a high-mobility n-type conjugated polymer. <i>Physical Review B</i> , 2012 , 86,	3.3	58
9	Influence of the isomeric composition of the acceptor on the performance of organic bulk heterojunction P3HT:bis-PCBM solar cells. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15412		25
8	Identifying the Nature of Charge Recombination in Organic Solar Cells from Charge-Transfer State Electroluminescence. <i>Advanced Energy Materials</i> , 2012 , 2, 1232-1237	21.8	85
7	Polymer light-emitting diodes with doped hole-transport layers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011 , 208, 2482-2487	1.6	1
6	Effect of n-type doping on the hole transport in poly(p-phenylene vinylene). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011 , 49, 1745-1749	2.6	6
5	N-type doping of poly(p-phenylene vinylene) with air-stable dopants. <i>Applied Physics Letters</i> , 2011 , 99, 173302	3.4	23
4	Determination of the trap-assisted recombination strength in polymer light emitting diodes. <i>Applied Physics Letters</i> , 2011 , 98, 093301	3.4	49
3	Fullerene Bisadducts for Enhanced Open-Circuit Voltages and Efficiencies in Polymer Solar Cells. <i>Advanced Materials</i> , 2008 , 20, 2116-2119	24	546

2	Numerical Device Model for Organic Light-Emitting Diodes Based on Thermally Activated Delayed Fluorescence. <i>Advanced Electronic Materials</i> ,2101261	6.4	0
1	Universal Electroluminescence at Voltages below the Energy Gap in Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> ,2101149	8.1	2