

Peter Zalar

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.

35
papers

3,216
citations

21
h-index

39
g-index

39
ext. papers

3,535
ext. citations

13.8
avg, IF

4.89
L-index

#	Paper	IF	Citations
35	Screen-Printed Dry Electrodes: Basic Characterization and Benchmarking. <i>Advanced Engineering Materials</i> , 2020 , 22, 2000714	3.5	3
34	Large-Area All-Printed Temperature Sensing Surfaces Using Novel Composite Thermistor Materials. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800605	6.4	41
33	Photocurrent Amplification in Bulk Heterojunction Organic Phototransistors with Different Donor/Acceptor Ratio. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018 , 12, 1700400	2.5	3
32	A Monolithically Processed Rectifying Pixel for High-Resolution Organic Imagers. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700601	6.4	15
31	Low-Power Monolithically Stacked Organic Photodiode-Blocking Diode Imager by Turn-On Voltage Engineering. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800311	6.4	12
30	Ultraflexible Near-Infrared Organic Photodetectors for Conformal Photoplethysmogram Sensors. <i>Advanced Materials</i> , 2018 , 30, e1802359	24	111
29	Sensors: A Monolithically Processed Rectifying Pixel for High-Resolution Organic Imagers (Adv. Electron. Mater. 6/2018). <i>Advanced Electronic Materials</i> , 2018 , 4, 1870029	6.4	
28	Dual-gate organic phototransistor with high-gain and linear photoresponse. <i>Nature Communications</i> , 2018 , 9, 4546	17.4	44
27	Printable elastic conductors by in situ formation of silver nanoparticles from silver flakes. <i>Nature Materials</i> , 2017 , 16, 834-840	27	416
26	Ultraflexible Transparent Oxide/Metal/Oxide Stack Electrode with Low Sheet Resistance for Electrophysiological Measurements. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 34744-34750	9.5	21
25	High Sensitivity Tuning of Work Function of Self-Assembled Monolayers Modified Electrodes Using Vacuum Ultraviolet Treatment. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 28151-28156	9.5	3
24	Ultraflexible organic photonic skin. <i>Science Advances</i> , 2016 , 2, e1501856	14.3	612
23	Vacuum Ultraviolet Treatment of Self-Assembled Monolayers: A Tool for Understanding Growth and Tuning Charge Transport in Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2016 , 28, 2049-54	24	29
22	A Mechanically Durable and Flexible Organic Rectifying Diode with a Polyethylenimine Ethoxylated Cathode. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600259	6.4	13
21	Effect of Backbone Regioregularity on the Structure and Orientation of a Donor/Acceptor Semiconducting Copolymer. <i>Macromolecules</i> , 2014 , 47, 1403-1410	5.5	67
20	Effects of Processing Conditions on the Recombination Reduction in Small Molecule Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2014 , 4, 1400438	21.8	37
19	Increased mobility induced by addition of a Lewis acid to a Lewis basic conjugated polymer. <i>Advanced Materials</i> , 2014 , 26, 724-7	24	56

18	Competitive Absorption and Inefficient Exciton Harvesting: Lessons Learned from Bulk Heterojunction Organic Photovoltaics Utilizing the Polymer Acceptor P(NDI2OD-T2). <i>Advanced Functional Materials</i> , 2014 , 24, 6989-6998	15.6	120
17	Charge-Carrier Recombination: Effects of Processing Conditions on the Recombination Reduction in Small Molecule Bulk Heterojunction Solar Cells (Adv. Energy Mater. 14/2014). <i>Advanced Energy Materials</i> , 2014 , 4,	21.8	1
16	Towards environmentally friendly processing of molecular semiconductors. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11117	13	25
15	A structure-property-performance investigation of perylenediimides as electron accepting materials in organic solar cells. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 18894-9	3.6	31
14	Optimization of energy levels by molecular design: evaluation of bis-diketopyrrolopyrrole molecular donor materials for bulk heterojunction solar cells. <i>Energy and Environmental Science</i> , 2013 , 6, 952	35.4	109
13	Charge Injection Mechanism in PLEDs and Charge Transport in Conjugated Polyelectrolytes 2013 , 315-344		2
12	High light intensity effects on nanoscale open-circuit voltage for three common donor materials in bulk heterojunction solar cells. <i>Energy and Environmental Science</i> , 2013 , 6, 1766	35.4	8
11	All-conjugated triblock polyelectrolytes. <i>Advanced Materials</i> , 2012 , 24, 6496-501	24	20
10	DNA interlayers enhance charge injection in organic field-effect transistors. <i>Advanced Materials</i> , 2012 , 24, 4255-60	24	56
9	Color Tuning in Polymer Light-Emitting Diodes with Lewis Acids. <i>Angewandte Chemie</i> , 2012 , 124, 7613-7616	16	32
8	Color tuning in polymer light-emitting diodes with Lewis acids. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7495-8	16.4	99
7	DNA electron injection interlayers for polymer light-emitting diodes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11010-3	16.4	70
6	Regioregular pyridal[2,1,3]thiadiazole conjugated copolymers. <i>Journal of the American Chemical Society</i> , 2011 , 133, 18538-41	16.4	191
5	Optical and Charge Transport Properties of Water/Alcohol-Soluble Quinacridone Derivatives for Application in Polymer Light Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 17533-17539	3.8	7
4	Controlling ion motion in polymer light-emitting diodes containing conjugated polyelectrolyte electron injection layers. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2492-8	16.4	75
3	Electron injection barrier reduction for organic light-emitting devices by quinacridone derivatives. <i>Chemical Communications</i> , 2010 , 46, 8210-2	5.8	31
2	Effect of Thermal Annealing on Polymer Light-Emitting Diodes Utilizing Cationic Conjugated Polyelectrolytes as Electron Injection Layers. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 15786-15790	3.8	14
1	Nanoscale Phase Separation and High Photovoltaic Efficiency in Solution-Processed, Small-Molecule Bulk Heterojunction Solar Cells. <i>Advanced Functional Materials</i> , 2009 , 19, 3063-3069	15.6	841

