

# Christopher M Proctor

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3384912/publications.pdf>

Version: 2024-02-01

35  
papers

3,332  
citations

279798

23  
h-index

395702

33  
g-index

36  
all docs

36  
docs citations

36  
times ranked

4487  
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge carrier recombination in organic solar cells. <i>Progress in Polymer Science</i> , 2013, 38, 1941-1960.	24.7	534
2	Nongeminate Recombination and Charge Transport Limitations in Diketopyrrolopyrrole-Based Solution-Processed Small Molecule Solar Cells. <i>Advanced Functional Materials</i> , 2013, 23, 3584-3594.	14.9	268
3	A High-Performing Solution-Processed Small Molecule:Perylene Diimide Bulk Heterojunction Solar Cell. <i>Advanced Materials</i> , 2013, 25, 4403-4406.	21.0	248
4	Effect of leakage current and shunt resistance on the light intensity dependence of organic solar cells. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	238
5	Mobility Guidelines for High Fill Factor Solution-Processed Small Molecule Solar Cells. <i>Advanced Materials</i> , 2014, 26, 5957-5961.	21.0	192
6	Understanding volumetric capacitance in conducting polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1433-1436.	2.1	192
7	Film Morphology of High Efficiency Solution-Processed Small-Molecule Solar Cells. <i>Advanced Functional Materials</i> , 2013, 23, 5019-5026.	14.9	185
8	Importance of Domain Purity and Molecular Packing in Efficient Solution-Processed Small-Molecule Solar Cells. <i>Advanced Materials</i> , 2015, 27, 1105-1111.	21.0	160
9	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.	14.9	134
10	Significance of Average Domain Purity and Mixed Domains on the Photovoltaic Performance of High-Efficiency Solution-Processed Small-Molecule BHJ Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1500877.	19.5	133
11	Electrophoretic drug delivery for seizure control. <i>Science Advances</i> , 2018, 4, eaau1291.	10.3	118
12	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.	30.8	113
13	Tri-Diketopyrrolopyrrole Molecular Donor Materials for High-Performance Solution-Processed Bulk Heterojunction Solar Cells. <i>Advanced Materials</i> , 2013, 25, 5898-5903.	21.0	101
14	A Microfluidic Ion Pump for In Vivo Drug Delivery. <i>Advanced Materials</i> , 2017, 29, 1701217.	21.0	97
15	Capacitance Spectroscopy for Quantifying Recombination Losses in Nonfullerene Small-Molecule Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1502250.	19.5	95
16	Understanding Open-Circuit Voltage Loss through the Density of States in Organic Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1501721.	19.5	80
17	Overcoming Geminate Recombination and Enhancing Extraction in Solution-Processed Small Molecule Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400230.	19.5	76
18	An Electrocardiography Device with an Integrated Microfluidic Ion Pump for Simultaneous Neural Recording and Electrophoretic Drug Delivery In Vivo. <i>Advanced Biology</i> , 2019, 3, e1800270.	3.0	63

#	ARTICLE	IF	CITATIONS
19	Mechanical Properties of Solution-Processed Small-Molecule Semiconductor Films. ACS Applied Materials & Interfaces, 2016, 8, 11649-11657.	8.0	55
20	Electronics with shape actuation for minimally invasive spinal cord stimulation. Science Advances, 2021, 7, .	10.3	32
21	Understanding Charge Transport in Molecular Blend Films in Terms of Structural Order and Connectivity of Conductive Pathways. Advanced Energy Materials, 2016, 6, 1502285.	19.5	29
22	Orientation selectivity with organic photodetectors and an organic electrochemical transistor. AIP Advances, 2016, 6, .	1.3	29
23	Understanding the Charge-Transfer State and Singlet Exciton Emission from Solution-Processed Small-Molecule Organic Solar Cells. Advanced Materials, 2014, 26, 7405-7412.	21.0	27
24	Monitoring Intrinsic Optical Signals in Brain Tissue with Organic Photodetectors. Advanced Materials Technologies, 2018, 3, 1700333.	5.8	23
25	Effect of copper metalation of tetrabenzoporphyrin donor material on organic solar cell performance. Journal of Materials Chemistry A, 2014, 2, 7890.	10.3	19
26	Ionic Hydrogel for Accelerated Dopamine Delivery via Retrodialysis. Chemistry of Materials, 2019, 31, 7080-7084.	6.7	19
27	Enhancement of the Photoresponse in Organic Field-Effect Transistors by Incorporating Thin DNA Layers. Angewandte Chemie - International Edition, 2014, 53, 244-249.	13.8	17
28	Balance Between Light Absorption and Recombination Losses in Solution-Processed Small Molecule Solar Cells with Normal or Inverted Structures. Advanced Energy Materials, 2018, 8, 1801807.	19.5	17
29	Effect of structural variation on photovoltaic characteristics of phenyl substituted diketopyrrolopyrroles. RSC Advances, 2014, 4, 14101-14108.	3.6	15
30	Materials and Device Considerations in Electrophoretic Drug Delivery Devices. Scientific Reports, 2020, 10, 7185.	3.3	9
31	Reducing Passive Drug Diffusion from Electrophoretic Drug Delivery Devices through Co-Ion Engineering. Advanced Science, 2021, 8, 2003995.	11.2	6
32	Solar Cells: Film Morphology of High Efficiency Solution-Processed Small-Molecule Solar Cells (Adv.) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 5	14.9	9
33	Electrophoretic Delivery of $\gamma$ -aminobutyric Acid (GABA) into Epileptic Focus Prevents Seizures in Mice. Journal of Visualized Experiments, 2019, , .	0.3	3
34	Horizons Community Board Collection " Nanobiomedicine. Materials Horizons, 2019, 6, 426-427.	12.2	0
35	Horizons Community Board Collection " Nanobiomedicine. Nanoscale Horizons, 2019, 4, 256-257.	8.0	0