

Christopher M Proctor

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

3,332
citations

279798

23
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395702

33
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36
all docs

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docs citations

36
times ranked

4487
citing authors

#	ARTICLE	IF	CITATIONS
1	Reducing Passive Drug Diffusion from Electrophoretic Drug Delivery Devices through Co ϵ ton Engineering. <i>Advanced Science</i> , 2021, 8, 2003995.	11.2	6
2	Electronics with shape actuation for minimally invasive spinal cord stimulation. <i>Science Advances</i> , 2021, 7, .	10.3	32
3	Materials and Device Considerations in Electrophoretic Drug Delivery Devices. <i>Scientific Reports</i> , 2020, 10, 7185.	3.3	9
4	Ionic Hydrogel for Accelerated Dopamine Delivery via Retrodialysis. <i>Chemistry of Materials</i> , 2019, 31, 7080-7084.	6.7	19
5	Electrophoretic Delivery of γ -aminobutyric Acid (GABA) into Epileptic Focus Prevents Seizures in Mice. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	3
6	Horizons Community Board Collection ϵ “ Nanobiomedicine. <i>Materials Horizons</i> , 2019, 6, 426-427.	12.2	0
7	Horizons Community Board Collection ϵ “ Nanobiomedicine. <i>Nanoscale Horizons</i> , 2019, 4, 256-257.	8.0	0
8	An Electroencephalography 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
9	Monitoring Intrinsic Optical Signals in Brain Tissue with Organic Photodetectors. <i>Advanced Materials Technologies</i> , 2018, 3, 1700333.	5.8	23
10	Balance Between Light Absorption and Recombination Losses in Solution ϵ Processed Small Molecule Solar Cells with Normal or Inverted Structures. <i>Advanced Energy Materials</i> , 2018, 8, 1801807.	19.5	17
11	Electrophoretic drug delivery for seizure control. <i>Science Advances</i> , 2018, 4, eaau1291.	10.3	118
12	A Microfluidic Ion Pump for In Vivo Drug Delivery. <i>Advanced Materials</i> , 2017, 29, 1701217.	21.0	97
13	Capacitance Spectroscopy for Quantifying Recombination Losses in Nonfullerene Small ϵ Molecule Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1502250.	19.5	95
14	Understanding Open ϵ 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
15	Understanding Charge Transport in Molecular Blend Films in Terms of Structural Order and Connectivity of Conductive Pathways. <i>Advanced Energy Materials</i> , 2016, 6, 1502285.	19.5	29
16	Orientation selectivity with organic photodetectors and an organic electrochemical transistor. <i>AIP Advances</i> , 2016, 6, .	1.3	29
17	Mechanical Properties of Solution-Processed Small-Molecule Semiconductor Films. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11649-11657.	8.0	55
18	Understanding volumetric capacitance in conducting polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 1433-1436.	2.1	192

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Enhancement of the Photoresponse in Organic Field-Effect Transistors by Incorporating Thin DNA Layers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 244-249.	13.8	17
23	Overcoming Geminate Recombination and Enhancing Extraction in Solution-Processed Small Molecule Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400230.	19.5	76
24	Effect of structural variation on photovoltaic characteristics of phenyl substituted diketopyrrolopyrroles. <i>RSC Advances</i> , 2014, 4, 14101-14108.	3.6	15
25	Effect of copper metalation of tetrabenzoporphyrin donor material on organic solar cell performance. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7890.	10.3	19
26	Understanding the Charge-Transfer State and Singlet Exciton Emission from Solution-Processed Small-Molecule Organic Solar Cells. <i>Advanced Materials</i> , 2014, 26, 7405-7412.	21.0	27
27	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
28	Mobility Guidelines for High Fill Factor Solution-Processed Small Molecule Solar Cells. <i>Advanced Materials</i> , 2014, 26, 5957-5961.	21.0	192
29	Charge carrier recombination in organic solar cells. <i>Progress in Polymer Science</i> , 2013, 38, 1941-1960.	24.7	534
30	Film Morphology of High Efficiency Solution-Processed Small-Molecule Solar Cells. <i>Advanced Functional Materials</i> , 2013, 23, 5019-5026.	14.9	185
31	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
32	A High-Performing Solution-Processed Small Molecule:Perylene Diimide Bulk Heterojunction Solar Cell. <i>Advanced Materials</i> , 2013, 25, 4403-4406.	21.0	248
33	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
34	Solar Cells: Film Morphology of High Efficiency Solution-Processed Small-Molecule Solar Cells (Adv.) <i>TJ ETQq0 0 0 rgBT/Overlqck 10 Tf 5</i>	14.9	9
35	<i>Tri</i>-Diketopyrrolopyrrole Molecular Donor Materials for High-Performance Solution-Processed Bulk Heterojunction Solar Cells. <i>Advanced Materials</i> , 2013, 25, 5898-5903.	21.0	101