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List of Publications by Year in descending order

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657
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623734

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docs citations

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1635
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy alignment and recombination in perovskite solar cells: weighted influence on the open circuit voltage. <i>Energy and Environmental Science</i> , 2019, 12, 1309-1316.	30.8	106
2	Charge carrier transport and contact selectivity limit the operation of PTB7-based organic solar cells of varying active layer thickness. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12345.	10.3	87
3	Diaryl-amino-substituted tetraarylethene (TAE) as an efficient and robust hole transport material for 11% methyl ammonium lead iodide perovskite solar cells. <i>Chemical Communications</i> , 2015, 51, 13980-13982.	4.1	61
4	Low Open-Circuit Voltage Loss in Solution-Processed Small-Molecule Organic Solar Cells. <i>ACS Energy Letters</i> , 2016, 1, 302-308.	17.4	59
5	Fully Solution-Processed "i>"-Like Perovskite Solar Cells with Planar Junction: How the Charge Extracting Layer Determines the Open-Circuit Voltage. <i>Advanced Materials</i> , 2017, 29, 1604493.	21.0	50
6	Analysis of Photoinduced Carrier Recombination Kinetics in Flat and Mesoporous Lead Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2017, 2, 182-187.	17.4	35
7	High open circuit voltage in efficient thiophene-based small molecule solution processed organic solar cells. <i>Organic Electronics</i> , 2013, 14, 2826-2832.	2.6	33
8	Novel ZnO nanostructured electrodes for higher power conversion efficiencies in polymeric solar cells. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 20871.	2.8	32
9	Pyrrolo[3,2- <i>b</i>]pyrrole as the Central Core of the Electron Donor for Solution-Processed Organic Solar Cells. <i>ChemPlusChem</i>, 2017, 82, 1096-1104.</i>	2.8	32
10	Unambiguous determination of molecular packing in crystalline donor domains of small molecule solution processed solar cell devices using routine X-ray diffraction techniques. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3536.	10.3	29
11	Supramolecular biosensors based on electropolymerised pyrrole-cyclodextrin modified surfaces for antibody detection. <i>Analyst</i> , 2016, 141, 3274-3279.	3.5	25
12	Photo-induced dynamic processes in perovskite solar cells: the influence of perovskite composition in the charge extraction and the carrier recombination. <i>Nanoscale</i> , 2018, 10, 6155-6158.	5.6	24
13	Selective Organic Contacts for Methyl Ammonium Lead Iodide (MAPI) Perovskite Solar Cells: Influence of Layer Thickness on Carriers Extraction and Carriers Lifetime. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21599-21605.	8.0	22
14	Indoline as electron donor unit in "Push-Pull" organic small molecules for solution processed organic solar cells: Effect of the molecular "bridge" on device efficiency. <i>Organic Electronics</i> , 2015, 20, 15-23.	2.6	15
15	High photocurrent in oligo-thienylenevinylene-based small molecule solar cells with 4.9% solar-to-electrical energy conversion. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11340-11348.	10.3	15
16	High photo-current in solution processed organic solar cells based on a porphyrin core A-D-A as electron donor material. <i>Organic Electronics</i> , 2016, 38, 330-336.	2.6	13
17	Photovoltage/photocurrent transient techniques. , 2020, , 161-180.		9
18	Cyclopentadithiophene organic core in small molecule organic solar cells: morphological control of carrier recombination. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 3640-3648.	2.8	8