

Wibren D Oosterbaan

List of Publications by Year in descending order

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26
papers

1,435
citations

430874

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times ranked

2465
citing authors

#	ARTICLE	IF	CITATIONS
1	The Relation Between Open-Circuit Voltage and the Onset of Photocurrent Generation by Charge-Transfer Absorption in Polymer-Fullerene Bulk Heterojunction Solar Cells. <i>Advanced Functional Materials</i> , 2008, 18, 2064-2070.	14.9	503
2	Efficient formation, isolation and characterization of poly(3-alkylthiophene) nanofibres: probing order as a function of side-chain length. <i>Journal of Materials Chemistry</i> , 2009, 19, 5424.	6.7	128
3	Effect of Alkyl Side-Chain Length on Photovoltaic Properties of Poly(3-alkylthiophene)/PCBM Bulk Heterojunctions. <i>Advanced Functional Materials</i> , 2009, 19, 3300-3306.	14.9	114
4	Varying polymer crystallinity in nanofiber poly(3-alkylthiophene): PCBM solar cells: Influence on charge-transfer state energy and open-circuit voltage. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	93
5	Alkyl-Chain-Length-Independent Hole Mobility via Morphological Control with Poly(3-alkylthiophene) Nanofibers. <i>Advanced Functional Materials</i> , 2010, 20, 792-802.	14.9	89
6	Controlling the morphology of nanofiber-P3HT:PCBM blends for organic bulk heterojunction solar cells. <i>Organic Electronics</i> , 2009, 10, 1248-1251.	2.6	61
7	Effect of Polymer Crystallinity in P3HT:PCBM Solar Cells on Band Gap Trap States and Apparent Recombination Order. <i>Advanced Energy Materials</i> , 2013, 3, 466-471.	19.5	48
8	Novel Polymer Electrolytes Based on Amorphous Poly(ether-ester)s Containing 1,4,7-Trioxanonyl Main Chain Units. Ionic Conductivity versus Polymer Chain Mobility. <i>Macromolecules</i> , 1999, 32, 3314-3324.	4.8	43
9	Indirect determination of the composition of the coexisting phases in a demixed colloid polymer mixture. <i>Journal of Chemical Physics</i> , 1997, 106, 7777-7780.	3.0	40
10	Light-emitting organic field-effect transistor using an organic heterostructure within the transistor channel. <i>Applied Physics Letters</i> , 2006, 89, 223504.	3.3	36
11	Poly(3-alkylthiophene) nanofibers for optoelectronic devices. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5730.	5.5	36
12	Broadening the absorption of conjugated polymers by π -click-functionalization with phthalocyanines. <i>Dalton Transactions</i> , 2011, 40, 3979.	3.3	32
13	Organic phototransistors using poly(3-hexylthiophene) nanofibres. <i>Nanotechnology</i> , 2015, 26, 065201.	2.6	31
14	Scaling down of organic complementary logic gates for compact logic on foil. <i>Organic Electronics</i> , 2014, 15, 1229-1234.	2.6	30
15	The Importance of Bridging Points for Charge Transport in Webs of Conjugated Polymer Nanofibers. <i>Advanced Functional Materials</i> , 2013, 23, 862-869.	14.9	28
16	Oligo(Cyclohexylidene)s and Oligo(Cyclohexyl)s as Bridges for Photoinduced Intramolecular Charge Separation and Recombination. <i>Journal of Physical Chemistry A</i> , 2003, 107, 3612-3624.	2.5	22
17	Ester-functionalized poly(3-alkylthiophene) copolymers: Synthesis, physicochemical characterization and performance in bulk heterojunction organic solar cells. <i>Organic Electronics</i> , 2013, 14, 523-534.	2.6	22
18	CAFMs on conjugated polymer nanofibers: Capable of assessing one fiber mobility. <i>Organic Electronics</i> , 2011, 12, 2084-2089.	2.6	21

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19	On the Relation between Morphology and FET Mobility of Poly(3-alkylthiophene)s at the Polymer/SiO ₂ and Polymer/Air Interface. <i>Advanced Functional Materials</i> , 2014, 24, 1994-2004.	14.9	17
20	The occurrence of through-bond orbital interactions in an π -donor- π -acceptor substituted bi(cyclohexylidene) and bi(cyclohexyl). X-Ray diffraction, UV-Vis absorption and photoelectron spectroscopy, ab initio SCF-MO and natural bond orbital analyses. <i>Perkin Transactions II RSC</i> , 2001, , 1066-1074.	1.1	11
21	Photoinduced Charge Separation in Cyclohexylidene-Based Donor- π -Bridge-Acceptor Compounds π -Building Blocks for Materials. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 3117-3130.	2.4	11
22	N,N-Dialkylanilines: The S1 State Absorption Spectrum and Efficient Intramolecular Triplet-Triplet Energy Transfer to an Olefinic Bond. <i>Journal of Physical Chemistry A</i> , 2001, 105, 5984-5989.	2.5	9
23	Charge transfer interactions in polyesters with a donor- π -bridge-acceptor moiety in the repeating unit. <i>Journal of Polymer Science Part A</i> , 2004, 42, 4775-4784.	2.3	5
24	Poly(3-alkylthiophene) Nanofibers for Photovoltaic Energy Conversion. <i>Advanced Materials Research</i> , 0, 324, 32-37.	0.3	4
25	Light-emitting organic field-effect transistors using an organic heterostructure inside the transistor channel. , 2006, 6192, 71.		1
26	The use of nanofibers of P3HT in bulk heterojunction solar cells: the effect of order and morphology on the performance of P3HT:PCBM blends. , 2009, , .		0