

Youjun He

List of Publications by Year in descending order

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47
papers

8,588
citations

159585

30
h-index

206112

48
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49
all docs

49
docs citations

49
times ranked

7709
citing authors

#	ARTICLE	IF	CITATIONS
1	Tandem polymer solar cells featuring a spectrally matched low-bandgap polymer. <i>Nature Photonics</i> , 2012, 6, 180-185.	31.4	1,374
2	Indene-C ₆₀ Bisadduct: A New Acceptor for High-Performance Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2010, 132, 1377-1382.	13.7	1,151
3	6.5% Efficiency of Polymer Solar Cells Based on poly(3-hexylthiophene) and Indene-C ₆₀ Bisadduct by Device Optimization. <i>Advanced Materials</i> , 2010, 22, 4355-4358.	21.0	876
4	Fullerene derivative acceptors for high performance polymer solar cells. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 1970-1983.	2.8	858
5	Synthesis and Photovoltaic Properties of Two-Dimensional Conjugated Polythiophenes with Bi(thienylenevinylene) Side Chains. <i>Journal of the American Chemical Society</i> , 2006, 128, 4911-4916.	13.7	759
6	Systematic Investigation of Benzodithiophene- and Diketopyrrolopyrrole-Based Low-Bandgap Polymers Designed for Single Junction and Tandem Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2012, 134, 10071-10079.	13.7	530
7	Controlled Synthesis and Optical Properties of Colloidal Ternary Chalcogenide CuInS ₂ Nanocrystals. <i>Chemistry of Materials</i> , 2008, 20, 6434-6443.	6.7	519
8	Combination of Indene-C ₆₀ Bis-Adduct and Cross-Linked Fullerene Interlayer Leading to Highly Efficient Inverted Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2010, 132, 17381-17383.	13.7	307
9	High-Yield Synthesis and Electrochemical and Photovoltaic Properties of Indene-C ₇₀ Bisadduct. <i>Advanced Functional Materials</i> , 2010, 20, 3383-3389.	14.9	294
10	A Robust Interconnecting Layer for Achieving High Performance Tandem Polymer Solar Cells. <i>Advanced Materials</i> , 2011, 23, 3465-3470.	21.0	224
11	Solution-Processable Star-Shaped Molecules with Triphenylamine Core and Dicyanovinyl Endgroups for Organic Solar Cells. <i>Chemistry of Materials</i> , 2011, 23, 817-822.	6.7	158
12	Effect of Carbon Chain Length in the Substituent of PCBM-like Molecules on Their Photovoltaic Properties. <i>Advanced Functional Materials</i> , 2010, 20, 1480-1487.	14.9	137
13	Solution-Processable Star-Shaped Photovoltaic Organic Molecule with Triphenylamine Core and Benzothiadiazole-Thiophene Arms. <i>Macromolecules</i> , 2009, 42, 7619-7622.	4.8	129
14	Branched Poly(thienylene vinylene)s with Absorption Spectra Covering the Whole Visible Region. <i>Macromolecules</i> , 2006, 39, 4657-4662.	4.8	125
15	Synthesis and Photovoltaic Properties of Bithiazole-Based Donor-Acceptor Copolymers. <i>Macromolecules</i> , 2010, 43, 5706-5712.	4.8	103
16	Synthesis and Photovoltaic Properties of a Donor-Acceptor Double-Cable Polythiophene with High Content of C60 Pendant. <i>Macromolecules</i> , 2007, 40, 1868-1873.	4.8	92
17	Poly(3,6-dihexyl-thieno[3,2-b]thiophene vinylene): Synthesis, Field-Effect Transistors, and Photovoltaic Properties. <i>Macromolecules</i> , 2008, 41, 9760-9766.	4.8	75
18	Photophysical and Electronic Properties of Five PCBM-like C ₆₀ Derivatives: Spectral and Quantum Chemical View. <i>Journal of Physical Chemistry A</i> , 2012, 116, 255-262.	2.5	73

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19	Effect of Branched Conjugation Structure on the Optical, Electrochemical, Hole Mobility, and Photovoltaic Properties of Polythiophenes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 26062-26067.	2.6	69
20	Synthesis and Characterization of Dioctyloxybenzo[1,2- <i>b</i> :4,3- <i>b'</i>]dithiophene-Containing Copolymers for Polymer Solar Cells. <i>Macromolecules</i> , 2011, 44, 7625-7631.	4.8	63
21	Synthesis and Photovoltaic Properties of a Copolymer of Benzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene and Bithiazole. <i>Macromolecules</i> , 2010, 43, 8714-8717.	4.8	56
22	Indene Addition of [6,6]-Phenyl-C ₆₁ -butyric Acid Methyl Ester for High-Performance Acceptor in Polymer Solar Cells. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4340-4344.	3.1	52
23	Low Bandgap Polymers by Copolymerization of Thiophene with Benzothiadiazole. <i>Macromolecular Rapid Communications</i> , 2009, 30, 45-51.	3.9	34
24	Synthesis, hole mobility, and photovoltaic properties of two alternating poly[3-(hex-1-enyl)thiophene-co-thiophene]s. <i>Journal of Polymer Science Part A</i> , 2007, 45, 629-638.	2.3	33
25	High performance low band gap polymer solar cells with a non-conventional acceptor. <i>Chemical Communications</i> , 2012, 48, 7616.	4.1	33
26	The effect of side-chain branch position on the thermal properties of poly(3-alkylthiophenes). <i>Polymer Chemistry</i> , 2020, 11, 517-526.	3.9	33
27	Poly(4,8-bis(2-ethylhexyloxy)benzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene vinylene): Synthesis, optical and photovoltaic properties. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1822-1829.	2.3	31
28	Novel fullerene acceptors: synthesis and application in low band gap polymer solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 13391.	6.7	31
29	Biindene-C60 adducts for the application as acceptor in polymer solar cells with higher open-circuit-voltage. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 899-903.	6.2	30
30	Synthesis and photovoltaic properties of D-A copolymers of benzodithiophene and naphtho[2,3- <i>c</i>]thiophene-4,9-dione. <i>Polymer Chemistry</i> , 2012, 3, 99-104.	3.9	29
31	Challenge and Solution of Characterizing Glass Transition Temperature for Conjugated Polymers by Differential Scanning Calorimetry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1635-1644.	2.1	27
32	Electroluminescence and photovoltaic properties of poly(phenylene vinylene) derivatives with dendritic pendants. <i>Journal of Applied Polymer Science</i> , 2008, 107, 514-521.	2.6	25
33	Photovoltaic properties of poly(benzothiadiazole-thiophene-co-bithiophene) as donor in polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 704-711.	6.2	25
34	High-performance polymer photovoltaics based on rationally designed fullerene acceptors. <i>Solar Energy Materials and Solar Cells</i> , 2013, 118, 171-178.	6.2	25
35	Spatial Conformation and Charge Recombination Properties of Polythiophene Derivatives with Thienylene Vinylene Side Chains Investigated by Static and Femtosecond Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2602-2606.	2.6	22
36	Poly(thienylene-benzothiadiazole-thienylene-vinylene): A narrow bandgap polymer with broad absorption from visible to infrared region. <i>Polymer</i> , 2009, 50, 5055-5058.	3.8	21

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37	Synthesis and photovoltaic properties of biindene-C70 monoadduct as acceptor in polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 1762-1766.	6.2	20
38	Synthesis, characterization and photovoltaic properties of thiophene copolymers containing conjugated side-chain. <i>European Polymer Journal</i> , 2007, 43, 855-861.	5.4	18
39	Influence of side chain isomerism on the rigidity of poly(3-alkylthiophenes) in solutions revealed by neutron scattering. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7745-7749.	2.8	15
40	High performance polymer field-effect transistors based on polythiophene derivative with conjugated side chain. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5304-5312.	2.3	14
41	Effect of Device Fabrication Conditions on Photovoltaic Performance of Polymer Solar Cells Based on Poly(3-hexylthiophene) and Indene-C ₇₀ Bisadduct. <i>Chinese Journal of Chemistry</i> , 2012, 30, 19-22.	4.9	12
42	Synthesis and photovoltaic properties of polythiophene derivatives with side chains containing C ₆₀ end group. <i>Journal of Applied Polymer Science</i> , 2010, 115, 532-539.	2.6	11
43	Influence of side-chain isomerization on the isothermal crystallization kinetics of poly(3-alkylthiophenes). <i>Journal of Materials Research</i> , 2021, 36, 191-202.	2.6	8
44	Synthesis and characterization of low bandgap poly(dithienosilole vinylene) derivatives. <i>Synthetic Metals</i> , 2010, 160, 1045-1049.	3.9	4
45	Influence of Sulfur Oxidation on the Absorption and Electronic Energy Levels of Poly(thienothiophene) Derivatives. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14981-14985.	2.6	2
46	Synthesis and photovoltaic properties of alternative copolymers of benzo[1,2-b:4,5-b']dithiophene and thiophene. <i>Polymer Bulletin</i> , 2012, 68, 2107-2119.	3.3	2
47	Influence of side-chain isomerization on the isothermal crystallization kinetics of poly(3-alkylthiophenes). <i>Journal of Materials Research</i> , 2021, 36, 1-12.	2.6	2