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List of Publications by Year
in descending order

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47 papers	8,588 citations	159525 30 h-index	206029 48 g-index
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. Nature Photonics, 2012, 6, 180-185.	15.6	1,374
2	Indeneâ”C₆₀Bisadduct: A New Acceptor for High-Performance Polymer Solar Cells. Journal of the American Chemical Society, 2010, 132, 1377-1382.	6.6	1,151
3	6.5% Efficiency of Polymer Solar Cells Based on poly(3â€hexylthiophene) and Indeneâ€C₆₀ Bisadduct by Device Optimization. Advanced Materials, 2010, 22, 4355-4358.	11.1	876
4	Fullerene derivative acceptors for high performance polymer solar cells. Physical Chemistry Chemical Physics, 2011, 13, 1970-1983.	1.3	858
5	Synthesis and Photovoltaic Properties of Two-Dimensional Conjugated Polythiophenes with Bi(thienylenevinylene) Side Chains. Journal of the American Chemical Society, 2006, 128, 4911-4916.	6.6	759
6	Systematic Investigation of Benzodithiophene- and Diketopyrrolopyrrole-Based Low-Bandgap Polymers Designed for Single Junction and Tandem Polymer Solar Cells. Journal of the American Chemical Society, 2012, 134, 10071-10079.	6.6	530
7	Controlled Synthesis and Optical Properties of Colloidal Ternary Chalcogenide CuInS₂ Nanocrystals. Chemistry of Materials, 2008, 20, 6434-6443.	3.2	519
8	Combination of Indene-C₆₀ Bis-Adduct and Cross-Linked Fullerene Interlayer Leading to Highly Efficient Inverted Polymer Solar Cells. Journal of the American Chemical Society, 2010, 132, 17381-17383.	6.6	307
9	Highâ€Yield Synthesis and Electrochemical and Photovoltaic Properties of Indeneâ€C₇₀ Bisadduct. Advanced Functional Materials, 2010, 20, 3383-3389.	7.8	294
10	A Robust Interâ€Connecting Layer for Achieving High Performance Tandem Polymer Solar Cells. Advanced Materials, 2011, 23, 3465-3470.	11.1	224
11	Solution-Processable Star-Shaped Molecules with Triphenylamine Core and Dicyanovinyl Endgroups for Organic Solar Cellsâ€. Chemistry of Materials, 2011, 23, 817-822.	3.2	158
12	Effect of Carbon Chain Length in the Substituent of PCBMâ€like Molecules on Their Photovoltaic Properties. Advanced Functional Materials, 2010, 20, 1480-1487.	7.8	137
13	Solution-Processable Star-Shaped Photovoltaic Organic Molecule with Triphenylamine Core and Benzothiadiazoleâ”Thiophene Arms. Macromolecules, 2009, 42, 7619-7622.	2.2	129
14	Branched Poly(thienylene vinylene)s with Absorption Spectra Covering the Whole Visible Region. Macromolecules, 2006, 39, 4657-4662.	2.2	125
15	Synthesis and Photovoltaic Properties of Bithiazole-Based Donorâ”Acceptor Copolymers. Macromolecules, 2010, 43, 5706-5712.	2.2	103
16	Synthesis and Photovoltaic Properties of a Donorâ”Acceptor Double-Cable Polythiophene with High Content of C60Pendant. Macromolecules, 2007, 40, 1868-1873.	2.2	92
17	Poly(3,6-dihexyl-thieno[3,2-b]thiophene vinylene): Synthesis, Field-Effect Transistors, and Photovoltaic Properties. Macromolecules, 2008, 41, 9760-9766.	2.2	75
18	Photophysical and Electronic Properties of Five PCBM-like C₆₀ Derivatives: Spectral and Quantum Chemical View. Journal of Physical Chemistry A, 2012, 116, 255-262.	1.1	73

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19	Effect of Branched Conjugation Structure on the Optical, Electrochemical, Hole Mobility, and Photovoltaic Properties of Polythiophenes. Journal of Physical Chemistry B, 2006, 110, 26062-26067.	1.2	69
20	Synthesis and Characterization of Dioctyloxybenzo[1,2-b:4,3-bâ€²]dithiophene-Containing Copolymers for Polymer Solar Cells. Macromolecules, 2011, 44, 7625-7631.	2.2	63
21	Synthesis and Photovoltaic Properties of a Copolymer of Benzo[1,2-b:4,5-bâ€²]dithiophene and Bithiazole. Macromolecules, 2010, 43, 8714-8717.	2.2	56
22	Indene Addition of [6,6]-Phenyl-C₆₁-butyric Acid Methyl Ester for High-Performance Acceptor in Polymer Solar Cells. Journal of Physical Chemistry C, 2011, 115, 4340-4344.	1.5	52
23	Low Bandgap Polymers by Copolymerization of Thiophene with Benzothiadiazole. Macromolecular Rapid Communications, 2009, 30, 45-51.	2.0	34
24	Synthesis, hole mobility, and photovoltaic properties of two alternating poly[3-(hex-1-enyl)thiophene-co-thiophene]s. Journal of Polymer Science Part A, 2007, 45, 629-638.	2.5	33
25	High performance low band gap polymer solar cells with a non-conventional acceptor. Chemical Communications, 2012, 48, 7616.	2.2	33
26	The effect of side-chain branch position on the thermal properties of poly(3-alkylthiophenes). Polymer Chemistry, 2020, 11, 517-526.	1.9	33
27	Poly(4,8â€bis(2â€ethylhexyloxy)benzo[1,2â€b:4,5â€bâ€²]dithiophene vinylene): Synthesis, optical and photovoltaic properties. Journal of Polymer Science Part A, 2010, 48, 1822-1829.	2.5	31
28	Novel fullerene acceptors: synthesis and application in low band gap polymer solar cells. Journal of Materials Chemistry, 2012, 22, 13391.	6.7	31
29	Biindene-C60 adducts for the application as acceptor in polymer solar cells with higher open-circuit-voltage. Solar Energy Materials and Solar Cells, 2011, 95, 899-903.	3.0	30
30	Synthesis and photovoltaic properties of Dâ€“A copolymers of benzodithiophene and naphtho[2,3-c]thiophene-4,9-dione. Polymer Chemistry, 2012, 3, 99-104.	1.9	29
31	Challenge and Solution of Characterizing Glass Transition Temperature for Conjugated Polymers by Differential Scanning Calorimetry. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 1635-1644.	2.4	27
32	Electroluminescence and photovoltaic properties of poly(pâ€phenylene vinylene) derivatives with dendritic pendants. Journal of Applied Polymer Science, 2008, 107, 514-521.	1.3	25
33	Photovoltaic properties of poly(benzothiadiazole-thiophene-co-bithiophene) as donor in polymer solar cells. Solar Energy Materials and Solar Cells, 2011, 95, 704-711.	3.0	25
34	High-performance polymer photovoltaics based on rationally designed fullerene acceptors. Solar Energy Materials and Solar Cells, 2013, 118, 171-178.	3.0	25
35	Spatial Conformation and Charge Recombination Properties of Polythiophene Deriatives with Thienyleneâ€Vinylene Side Chains Investigated by Static and Femtosecond Spectroscopy. Journal of Physical Chemistry B, 2010, 114, 2602-2606.	1.2	22
36	Poly(thienylene-benzothiadiazole-thienylene-vinylene): A narrow bandgap polymer with broad absorption from visible to infrared region. Polymer, 2009, 50, 5055-5058.	1.8	21

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37	Synthesis and photovoltaic properties of biindene-C70 monoadduct as acceptor in polymer solar cells. Solar Energy Materials and Solar Cells, 2011, 95, 1762-1766.	3.0	20
38	Synthesis, characterization and photovoltaic properties of thiophene copolymers containing conjugated side-chain. European Polymer Journal, 2007, 43, 855-861.	2.6	18
39	Influence of side chain isomerism on the rigidity of poly(3-alkylthiophenes) in solutions revealed by neutron scattering. Physical Chemistry Chemical Physics, 2019, 21, 7745-7749.	1.3	15
40	High performance polymer fieldâ€effect transistors based on polythiophene derivative with conjugated side chain. Journal of Polymer Science Part A, 2009, 47, 5304-5312.	2.5	14
41	Effect of Device Fabrication Conditions on Photovoltaic Performance of Polymer Solar Cells Based on Poly(3â€hexylthiophene) and Indeneâ€C₇₀ Bisadduct. Chinese Journal of Chemistry, 2012, 30, 19-22.	2.6	12
42	Synthesis and photovoltaic properties of polythiophene derivatives with side chains containing C₆₀ end group. Journal of Applied Polymer Science, 2010, 115, 532-539.	1.3	11
43	Influence of sideâ€chain isomerization on the isothermal crystallization kinetics of poly(3â€alkylthiophenes). Journal of Materials Research, 2021, 36, 191-202.	1.2	8
44	Synthesis and characterization of low bandgap poly(dithienosilole vinylene) derivatives. Synthetic Metals, 2010, 160, 1045-1049.	2.1	4
45	Influence of Sulfur Oxidation on the Absorption and Electronic Energy Levels of Poly(thienothiophene) Derivatives. Journal of Physical Chemistry B, 2009, 113, 14981-14985.	1.2	2
46	Synthesis and photovoltaic properties of alternative copolymers of benzo[1,2-b:4,5-bâ€²]dithiophene and thiophene. Polymer Bulletin, 2012, 68, 2107-2119.	1.7	2
47	Influence of side-chain isomerization on the isothermal crystallization kinetics of poly(3-alkylthiophenes). Journal of Materials Research, 2021, 36, 1-12.	1.2	2