

RenÃ© Aj Janssen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3315220/publications.pdf>

Version: 2024-02-01

595
papers

56,473
citations

996

114
h-index

1595

216
g-index

605
all docs

605
docs citations

605
times ranked

31588
citing authors

#	ARTICLE	IF	CITATIONS
1	2D/3D Hybrid Cs ₂ AgBiBr ₆ Double Perovskite Solar Cells: Improved Energy Level Alignment for Higher Selectivity and Large Open Circuit Voltage. <i>Advanced Energy Materials</i> , 2022, 12, 2103215.	10.2	62
2	Perovskite Solar Cells on Polymer-Coated Smooth and Rough Steel Substrates. <i>Solar Rrl</i> , 2022, 6, .	3.1	14
3	Revealing defective interfaces in perovskite solar cells from highly sensitive sub-bandgap photocurrent spectroscopy using optical cavities. <i>Nature Communications</i> , 2022, 13, 349.	5.8	21
4	Singlet oxygen formation from photoexcited P3HT:PCBM films applied in oxidation reactions. <i>Materials Advances</i> , 2022, 3, 2063-2069.	2.6	4
5	Monolithic All-Perovskite Tandem Solar Cells with Minimized Optical and Energetic Losses. <i>Advanced Materials</i> , 2022, 34, e2110053.	11.1	36
6	Efficient organic solar cells with small energy losses based on a wide-bandgap trialkylsilyl-substituted donor polymer and a non-fullerene acceptor. <i>Chemical Engineering Journal</i> , 2022, 435, 134878.	6.6	16
7	The Intrinsic Photoluminescence Spectrum of Perovskite Films. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	14
8	Finetuning Hole-Extracting Monolayers for Efficient Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16497-16504.	4.0	18
9	The Intrinsic Photoluminescence Spectrum of Perovskite Films (<i>Advanced Optical Materials</i> 8/2022). <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	0
10	Perovskite Solar Cells on Steel Substrates. <i>ACS Applied Energy Materials</i> , 2022, 5, 6709-6715.	2.5	10
11	Device Performance of Emerging Photovoltaic Materials (Version 1). <i>Advanced Energy Materials</i> , 2021, 11, 2002774.	10.2	93
12	Polymorphism of a semi-crystalline diketopyrrolopyrrole-terthiophene polymer. <i>Journal of Polymer Science</i> , 2021, 59, 1285-1292.	2.0	2
13	Use of Sodium Diethyldithiocarbamate to Enhance the Open-Circuit Voltage of CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2000811.	3.1	5
14	Analysis of the Performance of Narrow-Bandgap Organic Solar Cells Based on a Diketopyrrolopyrrole Polymer and a Nonfullerene Acceptor. <i>Journal of Physical Chemistry C</i> , 2021, 125, 5505-5517.	1.5	11
15	Efficient Electron Transport Layer Free Small-Molecule Organic Solar Cells with Superior Device Stability. <i>Advanced Materials</i> , 2021, 33, e2008429.	11.1	51
16	Thin Thermally Evaporated Organic Hole Transport Layers for Reduced Optical Losses in Substrate-Configuration Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 3033-3043.	2.5	8
17	Efficient Solar Cells Based on a Polymer Donor with $\hat{2}$ -Branching in Trialkylsilyl Side Chains. <i>Organic Materials</i> , 2021, 03, 134-140.	1.0	0
18	Noncovalent semiconducting polymer monolayers for high-performance field-effect transistors. <i>Progress in Polymer Science</i> , 2021, 117, 101394.	11.8	23

#	ARTICLE	IF	CITATIONS
19	The Bottlenecks of Cs ₂ AgBiBr ₆ Solar Cells: How Contacts and Slow Transients Limit the Performance. <i>Advanced Optical Materials</i> , 2021, 9, 2100202.	3.6	35
20	Effect of Light-Induced Halide Segregation on the Performance of Mixed-Halide Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 6650-6658.	2.5	26
21	Imide-Based Multielectron Anolytes as High-Performance Materials in Nonaqueous Redox Flow Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 9248-9257.	2.5	11
22	Pyrene-Based Small-Molecular Hole Transport Layers for Efficient and Stable Narrow-Bandgap Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2100454.	3.1	14
23	Effect of Co-Solvents on the Crystallization and Phase Distribution of Mixed-Dimensional Perovskites. <i>Advanced Energy Materials</i> , 2021, 11, 2102144.	10.2	25
24	A thin and flexible scanner for fingerprints and documents based on metal halide perovskites. <i>Nature Electronics</i> , 2021, 4, 818-826.	13.1	61
25	Effect of Co-Solvents on the Crystallization and Phase Distribution of Mixed-Dimensional Perovskites (Adv. Energy Mater. 42/2021). <i>Advanced Energy Materials</i> , 2021, 11, 2170168.	10.2	0
26	Device Performance of Emerging Photovoltaic Materials (Version 2). <i>Advanced Energy Materials</i> , 2021, 11, .	10.2	66
27	Ultralow dark current in near-infrared perovskite photodiodes by reducing charge injection and interfacial charge generation. <i>Nature Communications</i> , 2021, 12, 7277.	5.8	60
28	Controlling the Microstructure of Conjugated Polymers in High-Mobility Monolayer Transistors via the Dissolution Temperature. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 846-852.	7.2	61
29	On the Origin of Dark Current in Organic Photodiodes. <i>Advanced Optical Materials</i> , 2020, 8, 1901568.	3.6	88
30	Organic Photodetectors and their Application in Large Area and Flexible Image Sensors: The Role of Dark Current. <i>Advanced Functional Materials</i> , 2020, 30, 1904205.	7.8	242
31	Controlling the Microstructure of Conjugated Polymers in High-Mobility Monolayer Transistors via the Dissolution Temperature. <i>Angewandte Chemie</i> , 2020, 132, 856-862.	1.6	15
32	16.8% Monolithic all-perovskite triple-junction solar cells via a universal two-step solution process. <i>Nature Communications</i> , 2020, 11, 5254.	5.8	36
33	Light-Driven Electrochemical Carbon Dioxide Reduction to Carbon Monoxide and Methane Using Perovskite Photovoltaics. <i>Cell Reports Physical Science</i> , 2020, 1, 100058.	2.8	10
34	Impact of ĩ-Conjugated Linkers on the Effective Exciton Binding Energy of Diketopyrrolopyrrole-Dithienopyrrole Copolymers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27403-27412.	1.5	20
35	Precise Control of Phase Separation Enables 12% Efficiency in All Small Molecule Solar Cells. <i>Advanced Energy Materials</i> , 2020, 10, 2001589.	10.2	33
36	Structural design of asymmetric diketopyrrolopyrrole polymers for organic solar cells processed from a non-halogenated solvent. <i>Organic Electronics</i> , 2020, 86, 105914.	1.4	10

#	ARTICLE	IF	CITATIONS
37	Influence of Regioregularity on the Optoelectronic Properties of Conjugated Diketopyrrolopyrrole Polymers Comprising Asymmetric Monomers. <i>Macromolecules</i> , 2020, 53, 7749-7758.	2.2	13
38	Effect of main and side chain chlorination on the photovoltaic properties of benzodithiophene- <i>alt</i> -benzotriazole polymers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15426-15435.	2.7	10
39	Development of a Perovskite Solar Cell Architecture for Opaque Substrates. <i>Solar Rrl</i> , 2020, 4, 2000385.	3.1	16
40	Photochromic organic solar cells based on diarylethenes. <i>RSC Advances</i> , 2020, 10, 30176-30185.	1.7	10
41	Tuning the Optical Characteristics of Diketopyrrolopyrrole Molecules in the Solid State by Alkyl Side Chains. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25229-25238.	1.5	20
42	The Effect of <i>alt</i> -Branched Side Chains on the Structural and Optoelectronic Properties of Poly(Diketopyrrolopyrrole- <i>alt</i> -Terthiophene). <i>Chemistry - A European Journal</i> , 2020, 26, 14221-14228.	1.7	12
43	High Accuracy Photoplethysmography Array Using Near-Infrared Organic Photodiodes with Ultralow Dark Current. <i>Advanced Optical Materials</i> , 2020, 8, 1901989.	3.6	34
44	Enhancement Mode PEDOT:PSS Organic Electrochemical Transistors Using Molecular De-Doping. <i>Advanced Materials</i> , 2020, 32, e2000270.	11.1	109
45	The effect of alkyl side chain length on the formation of two semi-crystalline phases in low band gap conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5856-5867.	2.7	18
46	A Self-Assembled Small-Molecule-Based Hole-Transporting Material for Inverted Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , 2020, 26, 10276-10282.	1.7	19
47	1000-Pixels per Inch Transistor Arrays Using Multi-Level Imprint Lithography. <i>IEEE Electron Device Letters</i> , 2020, 41, 1217-1220.	2.2	2
48	Relation between the Electronic Properties of Regioregular Donor-Acceptor Terpolymers and Their Binary Copolymers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3503-3516.	1.5	8
49	Color Determination from a Single Broadband Organic Photodiode. <i>Advanced Optical Materials</i> , 2020, 8, 1901722.	3.6	14
50	Understanding the Film Formation Kinetics of Sequential Deposited Narrow-Bandgap Pb-Sn Hybrid Perovskite Films. <i>Advanced Energy Materials</i> , 2020, 10, 2000566.	10.2	33
51	Impact of polymorphism on the optoelectronic properties of a low-bandgap semiconducting polymer. <i>Nature Communications</i> , 2019, 10, 2867.	5.8	89
52	Insights into Fullerene Passivation of SnO ₂ Electron Transport Layers in Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1905883.	7.8	124
53	The Mechanism of Dedoping PEDOT:PSS by Aliphatic Polyamines. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24328-24337.	1.5	37
54	Relating Frontier Orbital Energies from Voltammetry and Photoelectron Spectroscopy to the Open-Circuit Voltage of Organic Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1803677.	10.2	70

#	ARTICLE	IF	CITATIONS
55	Solution-Processed Tin Oxide/PEDOT:PSS Interconnecting Layers for Efficient Inverted and Conventional Tandem Polymer Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1800366.	3.1	22
56	Carboxylate-Substituted Polythiophenes for Efficient Fullerene-Free Polymer Solar Cells: The Effect of Chlorination on Their Properties. <i>Macromolecules</i> , 2019, 52, 4464-4474.	2.2	75
57	On the homocoupling of trialkylstannyl monomers in the synthesis of diketopyrrolopyrrole polymers and its effect on the performance of polymer-fullerene photovoltaic cells. <i>RSC Advances</i> , 2019, 9, 15703-15714.	1.7	11
58	The influence of siloxane side-chains on the photovoltaic performance of a conjugated polymer. <i>RSC Advances</i> , 2019, 9, 8740-8747.	1.7	13
59	Effect of Charge-Transfer State Energy on Charge Generation Efficiency via Singlet Fission in Pentacene/Fullerene Solar Cells. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10253-10261.	1.5	15
60	Efficient Thick-Film Polymer Solar Cells with Enhanced Fill Factors via Increased Fullerene Loading. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10794-10800.	4.0	21
61	Advances in Solution-Processed Multijunction Organic Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1806499.	11.1	146
62	Adjusting Aggregation Modes and Photophysical and Photovoltaic Properties of Diketopyrrolopyrrole-Based Small Molecules by Introducing B-N Bonds. <i>Chemistry - A European Journal</i> , 2019, 25, 564-572.	1.7	19
63	Bis(arylimidazole) Iridium Picolinate Emitters and Preferential Dipole Orientation in Films. <i>ACS Omega</i> , 2018, 3, 2673-2682.	1.6	6
64	Subnaphthalocyanines as Electron Acceptors in Polymer Solar Cells: Improving Device Performance by Modifying Peripheral and Axial Substituents. <i>Chemistry - A European Journal</i> , 2018, 24, 6339-6343.	1.7	25
65	A Universal Route to Fabricate Multi-Junction Polymer Solar Cells via Solution Processing. <i>Solar Rrl</i> , 2018, 2, 1800018.	3.1	13
66	Simulating Phase Separation during Spin Coating of a Polymer/Fullerene Blend: A Joint Computational and Experimental Investigation. <i>ACS Applied Energy Materials</i> , 2018, 1, 725-735.	2.5	34
67	High-performance all-polymer solar cells based on fluorinated naphthalene diimide acceptor polymers with fine-tuned crystallinity and enhanced dielectric constants. <i>Nano Energy</i> , 2018, 45, 368-379.	8.2	101
68	New n-Type Solution Processable All Conjugated Polymer Network: Synthesis, Optoelectronic Characterization, and Application in Organic Solar Cells. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700629.	2.0	7
69	All-Oxide MoO _x /SnO _x Charge Recombination Interconnects for Inverted Organic Tandem Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1702533.	10.2	30
70	The effect of oxygen on the efficiency of planar n metal halide perovskite solar cells with a PEDOT:PSS hole transport layer. <i>Journal of Materials Chemistry A</i> , 2018, 6, 6882-6890.	5.2	27
71	Thermal behaviour of dicarboxylic ester bithiophene polymers exhibiting a high open-circuit voltage. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3731-3742.	2.7	12
72	8.0% Efficient All-Polymer Solar Cells with High Photovoltage of 1.1 V and Internal Quantum Efficiency near Unity. <i>Advanced Energy Materials</i> , 2018, 8, 1700908.	10.2	81

#	ARTICLE	IF	CITATIONS
73	A high dielectric constant non-fullerene acceptor for efficient bulk-heterojunction organic solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 395-403.	5.2	272
74	Effects of fluorination and thermal annealing on charge recombination processes in polymer bulk-heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19520-19531.	5.2	5
75	The effect of side-chain substitution on the aggregation and photovoltaic performance of diketopyrrolopyrrole-dicarboxylic ester bithiophene polymers. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20904-20915.	5.2	18
76	Improving Performance of All-Polymer Solar Cells Through Backbone Engineering of Both Donors and Acceptors. <i>Solar Rrl</i> , 2018, 2, 1800247.	3.1	17
77	Bilayer Ternary Polymer Solar Cells Fabricated Using Spontaneous Spreading on Water. <i>Advanced Energy Materials</i> , 2018, 8, 1802197.	10.2	26
78	Near-Infrared Tandem Organic Photodiodes for Future Application in Artificial Retinal Implants. <i>Advanced Materials</i> , 2018, 30, e1804678.	11.1	66
79	The Impact of Device Polarity on the Performance of Polymer Fullerene Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1800550.	10.2	25
80	Morphology Optimization via Side Chain Engineering Enables All-Polymer Solar Cells with Excellent Fill Factor and Stability. <i>Journal of the American Chemical Society</i> , 2018, 140, 8934-8943.	6.6	218
81	Quadruple Junction Polymer Solar Cells with Four Complementary Absorber Layers. <i>Advanced Materials</i> , 2018, 30, e1803836.	11.1	14
82	Study of the morphology of organic ferroelectric diodes with combined scanning force and scanning transmission X-ray microscopy. <i>Organic Electronics</i> , 2018, 53, 242-248.	1.4	5
83	Energy Level Tuning of Poly(phenylene-dithienobenzothiadiazole)s for Low Photon Energy Loss Solar Cells. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600502.	1.1	19
84	Ferroelectric switching and electrochemistry of pyrrole substituted trialkylbenzene-1,3,5-tricarboxamides. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017, 55, 673-683.	2.4	13
85	The Effect of H ₂ O and J ₂ Aggregation on the Photophysical and Photovoltaic Properties of Small Thiophene-Pyridine-DPP Molecules for Bulk Heterojunction Solar Cells. <i>Advanced Functional Materials</i> , 2017, 27, 1605779.	7.8	234
86	High-photovoltage all-polymer solar cells based on a diketopyrrolopyrrole-isoindigo acceptor polymer. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11693-11700.	5.2	54
87	The effect of side-chain substitution and hot processing on diketopyrrolopyrrole-based polymers for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13748-13756.	5.2	25
88	Increasing the horizontal orientation of transition dipole moments in solution processed small molecular emitters. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6555-6562.	2.7	22
89	Aqueous Nanoparticle Polymer Solar Cells: Effects of Surfactant Concentration and Processing on Device Performance. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13380-13389.	4.0	56
90	High Performance and Stable All-Polymer Solar Cells Using Donor and Acceptor Polymers with Complementary Absorption. <i>Advanced Energy Materials</i> , 2017, 7, 1602722.	10.2	90

#	ARTICLE	IF	CITATIONS
91	Monitoring Thermal Annealing of Perovskite Solar Cells with In Situ Photoluminescence. <i>Advanced Energy Materials</i> , 2017, 7, 1601822.	10.2	59
92	2-Methoxyethanol as a new solvent for processing methylammonium lead halide perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2346-2354.	5.2	92
93	Organic and Hybrid Solar Cells Based on Well-Defined Organic Semiconductors and Morphologies. <i>Advances in Polymer Science</i> , 2017, , 25-49.	0.4	1
94	9.0% power conversion efficiency from ternary all-polymer solar cells. <i>Energy and Environmental Science</i> , 2017, 10, 2212-2221.	15.6	200
95	Accurate Characterization of Triple-Junction Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1701664.	10.2	14
96	Conjugated Polymers Based on Difluorobenzoxadiazole toward Practical Application of Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1702033.	10.2	39
97	Sub-Micrometer Structure Formation during Spin Coating Revealed by Time-Resolved In Situ Laser and X-Ray Scattering. <i>Advanced Functional Materials</i> , 2017, 27, 1702516.	7.8	35
98	Highly Efficient Perovskite Solar Cells Using Non-Toxic Industry Compatible Solvent System. <i>Solar Rrl</i> , 2017, 1, 1700091.	3.1	62
99	Thiophene Rings Improve the Device Performance of Conjugated Polymers in Polymer Solar Cells with Thick Active Layers. <i>Advanced Energy Materials</i> , 2017, 7, 1700519.	10.2	49
100	Diketopyrrolopyrrole-Based Conjugated Polymers with Perylene Bisimide Side Chains for Single-Component Organic Solar Cells. <i>Chemistry of Materials</i> , 2017, 29, 7073-7077.	3.2	93
101	Double-Cable-Conjugated Polymers with Linear Backbone toward High Quantum Efficiencies in Single-Component Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2017, 139, 18647-18656.	6.6	119
102	The Role of the Axial Substituent in Subphthalocyanine Acceptors for Bulk-Heterojunction Solar Cells. <i>Angewandte Chemie</i> , 2017, 129, 154-158.	1.6	26
103	The Role of the Axial Substituent in Subphthalocyanine Acceptors for Bulk-Heterojunction Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 148-152.	7.2	105
104	Thin Films: Sub-Micrometer Structure Formation during Spin Coating Revealed by Time-Resolved In Situ Laser and X-Ray Scattering (<i>Adv. Funct. Mater.</i> 46/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	7.8	0
105	Ultrafast Charge and Triplet State Formation in Diketopyrrolopyrrole Low Band Gap Polymer/Fullerene Blends: Influence of Nanoscale Morphology of Organic Photovoltaic Materials on Charge Recombination to the Triplet State. <i>Journal of Spectroscopy</i> , 2017, 2017, 1-16.	0.6	24
106	Electro-Optical Properties of Neutral and Radical Ion Thienosquaraines. <i>Chemistry - A European Journal</i> , 2016, 22, 10179-10186.	1.7	28
107	Ambipolar Organic Tri-Gate Transistor for Low-Power Complementary Electronics. <i>Advanced Materials</i> , 2016, 28, 284-290.	11.1	39
108	Asymmetric Diketopyrrolopyrrole Conjugated Polymers for Field-Effect Transistors and Polymer Solar Cells Processed from a Nonchlorinated Solvent. <i>Advanced Materials</i> , 2016, 28, 943-950.	11.1	155

#	ARTICLE	IF	CITATIONS
109	Effect of Förster-mediated triplet-polaron quenching and triplet-triplet annihilation on the efficiency roll-off of organic light-emitting diodes. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	38
110	Dielectric interface-dependent spatial charge distribution in ambipolar polymer semiconductors embedded in dual-gate field-effect transistors. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	9
111	Perfluoroalkyl-substituted conjugated polymers as electron acceptors for all-polymer solar cells: the effect of diiodoperfluoroalkane additives. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7736-7745.	5.2	31
112	Water Splitting with Series-Connected Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26972-26981.	4.0	10
113	High Performance All-Polymer Solar Cells by Synergistic Effects of Fine-Tuned Crystallinity and Solvent Annealing. <i>Journal of the American Chemical Society</i> , 2016, 138, 10935-10944.	6.6	401
114	True ferroelectric switching in thin films of trialkylbenzene-1,3,5-tricarboxamide (BTA). <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23663-23672.	1.3	34
115	Effect of Alkyl Side Chains of Conjugated Polymer Donors on the Device Performance of Non-Fullerene Solar Cells. <i>Macromolecules</i> , 2016, 49, 6445-6454.	2.2	76
116	High open circuit voltage polymer solar cells enabled by employing thiazoles in semiconducting polymers. <i>Polymer Chemistry</i> , 2016, 7, 5730-5738.	1.9	32
117	Toward Practical Useful Polymers for Highly Efficient Solar Cells via a Random Copolymer Approach. <i>Journal of the American Chemical Society</i> , 2016, 138, 10782-10785.	6.6	101
118	Dichotomous Role of Exciting the Donor or the Acceptor on Charge Generation in Organic Solar Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 10026-10031.	6.6	67
119	Pulse-modulated multilevel data storage in an organic ferroelectric resistive memory diode. <i>Scientific Reports</i> , 2016, 6, 24407.	1.6	37
120	Evidence for exciton quenching by hole polarons in thick P3HT:PCBM solar cells. , 2016, , .		1
121	Reply to 'Tandem organic solar cells revisited'. <i>Nature Photonics</i> , 2016, 10, 355-355.	15.6	4
122	Transition dipole moment orientation in films of solution processed fluorescent oligomers: investigating the influence of molecular anisotropy. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6302-6308.	2.7	17
123	Structure-property relationships for bis-diketopyrrolopyrrole molecules in organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10532-10541.	5.2	30
124	Highly Efficient Hybrid Polymer and Amorphous Silicon Multijunction Solar Cells with Effective Optical Management. <i>Advanced Materials</i> , 2016, 28, 2170-2177.	11.1	36
125	Data retention in organic ferroelectric resistive switches. <i>Organic Electronics</i> , 2016, 31, 56-62.	1.4	15
126	Conjugated polymer with ternary electron-deficient units for ambipolar nanowire field-effect transistors. <i>Journal of Polymer Science Part A</i> , 2016, 54, 34-38.	2.5	19

#	ARTICLE	IF	CITATIONS
127	Optimized light-driven electrochemical water splitting with tandem polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5107-5114.	5.2	26
128	Effect of side chain length on the charge transport, morphology, and photovoltaic performance of conjugated polymers in bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1855-1866.	5.2	74
129	Diketopyrrolopyrrole Polymers for Organic Solar Cells. <i>Accounts of Chemical Research</i> , 2016, 49, 78-85.	7.6	435
130	The effect of branching in a semiconducting polymer on the efficiency of organic photovoltaic cells. <i>Chemical Communications</i> , 2016, 52, 92-95.	2.2	14
131	Depositing Fullerenes in Swollen Polymer Layers via Sequential Processing of Organic Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1500464.	10.2	48
132	High Performance Polymer Nanowire Field-Effect Transistors with Distinct Molecular Orientations. <i>Advanced Materials</i> , 2015, 27, 4963-4968.	11.1	79
133	Morphology reconstruction of nanoscale phase separation in polymer memory blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 1231-1237.	2.4	12
134	Wide-Bandgap Benzodithiophene-Benzothiadiazole Copolymers for Highly Efficient Multijunction Polymer Solar Cells. <i>Advanced Materials</i> , 2015, 27, 4461-4468.	11.1	99
135	Plastic Solar Cells: Understanding the Special Additive. <i>Frontiers for Young Minds</i> , 2015, 3, .	0.8	0
136	Stochastic modeling and predictive simulations for the microstructure of organic semiconductor films processed with different spin coating velocities. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2015, 23, 045003.	0.8	15
137	Deep Absorbing Porphyrin Small Molecule for High-Performance Organic Solar Cells with Very Low Energy Losses. <i>Journal of the American Chemical Society</i> , 2015, 137, 7282-7285.	6.6	436
138	High Quantum Efficiencies in Polymer Solar Cells at Energy Losses below 0.6 eV. <i>Journal of the American Chemical Society</i> , 2015, 137, 2231-2234.	6.6	365
139	A real-time study of the benefits of co-solvents in polymer solar cell processing. <i>Nature Communications</i> , 2015, 6, 6229.	5.8	287
140	A regioregular terpolymer comprising two electron-deficient and one electron-rich unit for ultra small band gap solar cells. <i>Chemical Communications</i> , 2015, 51, 4290-4293.	2.2	48
141	Surface Directed Phase Separation of Semiconductor Ferroelectric Polymer Blends and their Use in Non-Volatile Memories. <i>Advanced Functional Materials</i> , 2015, 25, 278-286.	7.8	44
142	Polymer-polymer solar cells with a near-infrared spectral response. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6756-6760.	5.2	41
143	Characterization of tandem organic solar cells. <i>Nature Photonics</i> , 2015, 9, 478-479.	15.6	52
144	The Importance of Moisture in Hybrid Lead Halide Perovskite Thin Film Fabrication. <i>ACS Nano</i> , 2015, 9, 9380-9393.	7.3	451

#	ARTICLE	IF	CITATIONS
145	Large-area soft-imprinted nanowire networks as light trapping transparent conductors. Scientific Reports, 2015, 5, 11414.	1.6	53
146	Conjugated polymers with deep LUMO levels for field-effect transistors and polymer-polymer solar cells. Journal of Materials Chemistry C, 2015, 3, 8255-8261.	2.7	23
147	Synthesis, characterization and device optimisation of new poly(benzo[1,2-b:4,5-b ²]dithiophene-alt-thieno[3,4-d]thiazole) derivatives for solar cell applications. Polymer Chemistry, 2015, 6, 3956-3961.	1.9	6
148	Fundamental Tradeoff between Emission Intensity and Efficiency in Light-Emitting Electrochemical Cells. Advanced Functional Materials, 2015, 25, 3066-3073.	7.8	67
149	Effects of Cross-Conjugation on the Optical Absorption and Frontier Orbital Levels of Donor-Acceptor Polymers. Macromolecules, 2015, 48, 2435-2443.	2.2	29
150	Photoelectrochemical water splitting in an organic artificial leaf. Journal of Materials Chemistry A, 2015, 3, 23936-23945.	5.2	61
151	Kinetic Monte Carlo simulation of the efficiency roll-off, emission color, and degradation of organic light-emitting diodes (Presentation Recording)., 2015, .		0
152	Electrical conduction of LiF interlayers in organic diodes. Journal of Applied Physics, 2015, 117, .	1.1	10
153	Failure analysis in ITO-free all-solution processed organic solar cells. Journal of Materials Chemistry A, 2015, 3, 20567-20578.	5.2	17
154	Polymer Solar Cells: Solubility Controls Fiber Network Formation. Journal of the American Chemical Society, 2015, 137, 11783-11794.	6.6	133
155	Kinetic Monte Carlo Study of the Sensitivity of OLED Efficiency and Lifetime to Materials Parameters. Advanced Functional Materials, 2015, 25, 2024-2037.	7.8	81
156	Controlling the Dominant Length Scale of Liquid-Liquid Phase Separation in Spin-coated Organic Semiconductor Films. Advanced Functional Materials, 2015, 25, 855-863.	7.8	52
157	CHAPTER 11. Multi-Junction Polymer Solar Cells. RSC Polymer Chemistry Series, 2015, , 310-351.	0.1	2
158	Monte Carlo study of efficiency roll-off of phosphorescent organic light-emitting diodes: Evidence for dominant role of triplet-polaron quenching. Applied Physics Letters, 2014, 105, .	1.5	77
159	Scanning tunnelling microscopy on organic field-effect transistors based on intrinsic pentacene. Applied Physics Letters, 2014, 104, 263301.	1.5	3
160	Lithium fluoride injection layers can form quasi-Ohmic contacts for both holes and electrons. Applied Physics Letters, 2014, 105, 123302.	1.5	17
161	Fundamental Limitations for Electroluminescence in Organic Dual-Gate Field-Effect Transistors. Advanced Materials, 2014, 26, 4450-4455.	11.1	14
162	Charge transfer state energy in ternary bulk-heterojunction polymer-fullerene solar cells. Journal of Photonics for Energy, 2014, 5, 057203.	0.8	30

#	ARTICLE	IF	CITATIONS
163	Relation between the electroforming voltage in alkali halide-polymer diodes and the bandgap of the alkali halide. <i>Applied Physics Letters</i> , 2014, 105, 233502.	1.5	5
164	Superheated high-temperature size-exclusion chromatography with chloroform as the mobile phase for I ⁺ -conjugated polymers. <i>Polymer Chemistry</i> , 2014, 5, 558-561.	1.9	8
165	Polymer Solar Cells with Diketopyrrolopyrrole Conjugated Polymers as the Electron Donor and Electron Acceptor. <i>Advanced Materials</i> , 2014, 26, 3304-3309.	11.1	245
166	Wide band gap diketopyrrolopyrrole-based conjugated polymers incorporating biphenyl units applied in polymer solar cells. <i>Chemical Communications</i> , 2014, 50, 679-681.	2.2	70
167	High balanced ambipolar charge carrier mobility in benzodipyrrolidone conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 731-735.	2.7	32
168	Influence of the Position of the Side Chain on Crystallization and Solar Cell Performance of DPP-Based Small Molecules. <i>Chemistry of Materials</i> , 2014, 26, 916-926.	3.2	113
169	Comparing random and regular diketopyrrolopyrrole- <i>“bithiophene”</i> -thienopyrrolodione terpolymers for organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17899-17905.	5.2	76
170	Contactless charge carrier mobility measurement in organic field-effect transistors. <i>Organic Electronics</i> , 2014, 15, 2855-2861.	1.4	2
171	Nanoscale Organic Ferroelectric Resistive Switches. <i>Journal of Physical Chemistry C</i> , 2014, 118, 3305-3312.	1.5	42
172	Indium Tin Oxide-Free Tandem Polymer Solar Cells on Opaque Substrates with Top Illumination. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13937-13944.	4.0	14
173	The Role of Photon Energy in Free Charge Generation in Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400416.	10.2	12
174	Small-Bandgap Semiconducting Polymers with High Near-Infrared Photoresponse. <i>Journal of the American Chemical Society</i> , 2014, 136, 12130-12136.	6.6	259
175	Photoluminescence quenching in films of conjugated polymers by electrochemical doping. <i>Physical Review B</i> , 2014, 89, .	1.1	40
176	Homocoupling Defects in Diketopyrrolopyrrole-Based Copolymers and Their Effect on Photovoltaic Performance. <i>Journal of the American Chemical Society</i> , 2014, 136, 11128-11133.	6.6	174
177	Origin of Work Function Modification by Ionic and Amine-Based Interface Layers. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400189.	1.9	121
178	Effect of the Fibrillar Microstructure on the Efficiency of High Molecular Weight Diketopyrrolopyrrole-Based Polymer Solar Cells. <i>Advanced Materials</i> , 2014, 26, 1565-1570.	11.1	207
179	All-solution-processed organic solar cells with conventional architecture. <i>Solar Energy Materials and Solar Cells</i> , 2013, 117, 267-272.	3.0	38
180	Predicting Morphologies of Solution Processed Polymer:Fullerene Blends. <i>Journal of the American Chemical Society</i> , 2013, 135, 12057-12067.	6.6	274

#	ARTICLE	IF	CITATIONS
181	Light Emission in the Unipolar Regime of Ambipolar Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2013, 23, 4133-4139.	7.8	26
182	Quasi-One Dimensional in-Plane Conductivity in Filamentary Films of PEDOT:PSS. <i>Advanced Functional Materials</i> , 2013, 23, 5778-5786.	7.8	47
183	Effect of structure on the solubility and photovoltaic properties of bis-diketopyrrolopyrrole molecules. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15150.	5.2	35
184	Multi-bit organic ferroelectric memory. <i>Organic Electronics</i> , 2013, 14, 3399-3405.	1.4	25
185	Universal Correlation between Fibril Width and Quantum Efficiency in Diketopyrrolopyrrole-Based Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 18942-18948.	6.6	305
186	Factors Limiting Device Efficiency in Organic Photovoltaics. <i>Advanced Materials</i> , 2013, 25, 1847-1858.	11.1	550
187	Carrier Recombination in Polymer Fullerene Solar Cells Probed by Reversible Exchange of Charge between the Active Layer and Electrodes Induced by a Linearly Varying Voltage. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3210-3220.	1.5	10
188	Probing Electric Fields in Polymer Tandem and Single Junction Cells with Electroabsorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4374-4382.	1.5	7
189	Efficient Polymer Solar Cells on Opaque Substrates with a Laminated PEDOT:PSS Top Electrode. <i>Advanced Energy Materials</i> , 2013, 3, 782-787.	10.2	84
190	Efficient Small Bandgap Polymer Solar Cells with High Fill Factors for 300 nm Thick Films. <i>Advanced Materials</i> , 2013, 25, 3182-3186.	11.1	295
191	Synthesis and Photovoltaic Performance of Pyrazinoquinoxaline Containing Conjugated Thiophene-Based Dendrimers and Polymers. <i>Macromolecules</i> , 2013, 46, 2141-2151.	2.2	28
192	Synthesis and Optical Properties of Pyrrolo[3,2- <i>b</i>]pyrrole-2,5(1 <i>H</i> ,4 <i>H</i>)-dione (iDPP)-Based Molecules. <i>Journal of Physical Chemistry A</i> , 2013, 117, 2782-2789.	1.1	26
193	Dihydropyrroloindole-dione-based copolymers for organic electronics. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2711.	2.7	19
194	Efficient Tandem and Triple-Junction Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 5529-5532.	6.6	498
195	Quantification and Validation of the Efficiency Enhancement Reached by Application of a Retroreflective Light Trapping Texture on a Polymer Solar Cell. <i>Advanced Energy Materials</i> , 2013, 3, 1013-1017.	10.2	49
196	Triple Junction Polymer Solar Cells for Photoelectrochemical Water Splitting. <i>Advanced Materials</i> , 2013, 25, 2932-2936.	11.1	67
197	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.	1.4	22
198	Morphology and Efficiency: The Case of Polymer/ZnO Solar Cells. <i>Advanced Energy Materials</i> , 2013, 3, 615-621.	10.2	30

#	ARTICLE	IF	CITATIONS
199	Intramolecular Excimer Formation between 3,6-Di(thiophen-2-yl)pyrrolo[3,4-c<i>c</i>]pyrrole-1,4(2<i>H</i>,5<i>H</i>)-dione Chromophoric Groups Linked by a Flexible Alkyl Spacer. <i>Journal of Physical Chemistry A</i> , 2013, 117, 4828-4837.	1.1	23
200	The Curious Out-of-Plane Conductivity of PEDOT:PSS. <i>Advanced Functional Materials</i> , 2013, 23, 5787-5793.	7.8	28
201	High-Molecular-Weight Regular Alternating Diketopyrrolopyrrole-Based Terpolymers for Efficient Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8341-8344.	7.2	398
202	Band Gap Control in Diketopyrrolopyrrole-Based Polymer Solar Cells Using Electron Donating Side Chains. <i>Advanced Energy Materials</i> , 2013, 3, 674-679.	10.2	33
203	Extraction of the materials parameters that determine the mobility in disordered organic semiconductors from the current-voltage characteristics: Accuracy and limitations. <i>Journal of Applied Physics</i> , 2013, 113, 114505.	1.1	9
204	Simultaneous Open-Circuit Voltage Enhancement and Short-Circuit Current Loss in Polymer: Fullerene Solar Cells Correlated by Reduced Quantum Efficiency for Photoinduced Electron Transfer. <i>Advanced Energy Materials</i> , 2013, 3, 85-94.	10.2	77
205	Diffusion enhancement in on/off ratchets. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	7
206	Evidence for space-charge-limited conduction in organic photovoltaic cells at open-circuit conditions. <i>Physical Review B</i> , 2013, 87, .	1.1	17
207	Scaling of characteristic frequencies of organic electronic ratchets. <i>Physical Review B</i> , 2012, 85, .	1.1	6
208	High-efficiency dielectrophoretic ratchet. <i>Physical Review E</i> , 2012, 86, 041106.	0.8	13
209	The performance of organic electronic ratchets. <i>AIP Advances</i> , 2012, 2, .	0.6	7
210	Charge transport in amorphous InGaZnO thin-film transistors. <i>Physical Review B</i> , 2012, 86, .	1.1	73
211	Synthesis and properties of small band gap thienoisindigo based conjugated polymers. <i>Journal of Materials Chemistry</i> , 2012, 22, 20387.	6.7	83
212	Optical Properties of Oligothiophene Substituted Diketopyrrolopyrrole Derivatives in the Solid Phase: Joint J- and H-Type Aggregation. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7927-7936.	1.1	114
213	Excitation Energy Shuttling in Oligothiophene-Diketopyrrolopyrrole-Fullerene Triads. <i>Journal of Physical Chemistry A</i> , 2012, 116, 1146-1150.	1.1	13
214	Role of Hole Injection in Electroforming of LiF-Polymer Memory Diodes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12443-12447.	1.5	10
215	Enhancing the Photocurrent in Diketopyrrolopyrrole-Based Polymer Solar Cells via Energy Level Control. <i>Journal of the American Chemical Society</i> , 2012, 134, 13787-13795.	6.6	258
216	Materials interface engineering for solution-processed photovoltaics. <i>Nature</i> , 2012, 488, 304-312.	13.7	1,000

#	ARTICLE	IF	CITATIONS
217	Exciton formation and light emission near the organicâ€“organic interface in small-molecule based double-layer OLEDs. <i>Organic Electronics</i> , 2012, 13, 2605-2614.	1.4	11
218	The effect of bias light on the spectral responsivity of organic solar cells. <i>Organic Electronics</i> , 2012, 13, 3284-3290.	1.4	38
219	Unusual Thermoelectric Behavior Indicating a Hopping to Bandlike Transport Transition in Pentacene. <i>Physical Review Letters</i> , 2012, 109, 016601.	2.9	85
220	Effect of PCBM on the Photodegradation Kinetics of Polymers for Organic Photovoltaics. <i>Chemistry of Materials</i> , 2012, 24, 4397-4405.	3.2	73
221	Accurate description of charge transport in organic field effect transistors using an experimentally extracted density of states. <i>Physical Review B</i> , 2012, 85, .	1.1	36
222	Influence of injected charge carriers on photocurrents in polymer solar cells. <i>Physical Review B</i> , 2012, 85, .	1.1	47
223	A New Approach to Modelâ€“Based Simulation of Disordered Polymer Blend Solar Cells. <i>Advanced Functional Materials</i> , 2012, 22, 1236-1244.	7.8	25
224	Mechanism for Efficient Photoinduced Charge Separation at Disordered Organic Heterointerfaces. <i>Advanced Functional Materials</i> , 2012, 22, 2700-2708.	7.8	98
225	Dynamic Processes in Sandwich Polymer Lightâ€“Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2012, 22, 4547-4556.	7.8	58
226	Solution Processed Polymer Tandem Solar Cell Using Efficient Small and Wide bandgap Polymer:Fullerene Blends. <i>Advanced Materials</i> , 2012, 24, 2130-2134.	11.1	167
227	Efficient Inverted Tandem Polymer Solar Cells with a Solutionâ€“Processed Recombination Layer. <i>Advanced Energy Materials</i> , 2012, 2, 945-949.	10.2	104
228	Influence of Photon Excess Energy on Charge Carrier Dynamics in a Polymerâ€“Fullerene Solar Cell. <i>Advanced Energy Materials</i> , 2012, 2, 1095-1099.	10.2	69
229	Broadening the absorption of conjugated polymers by â€œclickâ€“functionalization with phthalocyanines. <i>Dalton Transactions</i> , 2011, 40, 3979.	1.6	32
230	Diketopyrrolopyrrole-based acceptor polymers for photovoltaic application. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 8931.	1.3	56
231	Thermal Stability of Poly[2-methoxy-5-(2â€“phenylethoxy)-1,4-phenylenevinylene] (MPE-PPV):Fullerene Bulk Heterojunction Solar Cells. <i>Macromolecules</i> , 2011, 44, 8470-8478.	2.2	61
232	Delayed Fluorescence in Perhydrotriphenyleneâ€“Oligothiophene Inclusion Compounds: Evidence for Molecular Oxygen-Related Excited States. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7966-7971.	1.1	4
233	Open-Circuit Voltage Limitation in Low-Bandgap Diketopyrrolopyrrole-Based Polymer Solar Cells Processed from Different Solvents. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15075-15080.	1.5	42
234	Hybrid Polymer Solar Cells from Zinc Oxide and Poly(3-hexylselenophene). <i>Journal of Physical Chemistry C</i> , 2011, 115, 18901-18908.	1.5	19

#	ARTICLE	IF	CITATIONS
235	Determination of the exciton singlet-to-triplet ratio in single-layer organic light-emitting diodes. <i>Physical Review B</i> , 2011, 83, .	1.1	23
236	Spatial resolution of methods for measuring the light-emission profile in organic light-emitting diodes. <i>Journal of Applied Physics</i> , 2011, 110, 084512.	1.1	7
237	Predictive modeling of the current density and radiative recombination in blue polymer-based light-emitting diodes. <i>Journal of Applied Physics</i> , 2011, 109, 064502.	1.1	25
238	Copolymers of diketopyrrolopyrrole and thienothiophene for photovoltaic cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 9224.	6.7	85
239	Small band gap copolymers based on furan and diketopyrrolopyrrole for field-effect transistors and photovoltaic cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 1600-1606.	6.7	148
240	Designing Acceptor Polymers for Organic Photovoltaic Devices. <i>Journal of Physical Chemistry C</i> , 2011, 115, 3178-3187.	1.5	49
241	Discriminating between Bilayer and Bulk Heterojunction Polymer:Fullerene Solar Cells Using the External Quantum Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 3252-3255.	4.0	99
242	Spatial modeling of the 3D morphology of hybrid polymer-ZnO solar cells, based on electron tomography data. <i>Annals of Applied Statistics</i> , 2011, 5, .	0.5	16
243	Organic electronic ratchets doing work. <i>Nature Materials</i> , 2011, 10, 51-55.	13.3	60
244	Formation of metastable charges as a first step in photoinduced degradation in π -conjugated polymer:fullerene blends for photovoltaic applications. <i>Organic Electronics</i> , 2011, 12, 1657-1662.	1.4	60
245	Doping dynamics in light-emitting electrochemical cells. <i>Organic Electronics</i> , 2011, 12, 1746-1753.	1.4	37
246	Thieno[3,2- <i>b</i>]thiophene- π -Diketopyrrolopyrrole-Containing Polymers for High-Performance Organic Field-Effect Transistors and Organic Photovoltaic Devices. <i>Journal of the American Chemical Society</i> , 2011, 133, 3272-3275.	6.6	854
247	A novel high-contrast ratio electrochromic material from spiro[cyclododecane-1,9- α -fluorene]bicarbazole. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 333-341.	2.4	41
248	Chain Length Dependence in Diketopyrrolopyrrole/Thiophene Oligomers. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 515-520.	1.1	14
249	Description of the Morphology Dependent Charge Transport and Performance of Polymer:Fullerene Bulk Heterojunction Solar Cells. <i>Advanced Functional Materials</i> , 2011, 21, 261-269.	7.8	86
250	Salt Concentration Effects in Planar Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2011, 21, 1795-1802.	7.8	70
251	Quantifying Bimolecular Recombination Losses in Organic Bulk Heterojunction Solar Cells. <i>Advanced Materials</i> , 2011, 23, 1670-1674.	11.1	328
252	Controlling the Morphology and Efficiency of Hybrid ZnO:Polythiophene Solar Cells Via Side Chain Functionalization. <i>Advanced Energy Materials</i> , 2011, 1, 90-96.	10.2	80

#	ARTICLE	IF	CITATIONS
253	Measuring the current density $\hat{\epsilon}$ voltage characteristics of individual subcells in two-terminal polymer tandem solar cells. <i>Organic Electronics</i> , 2011, 12, 660-665.	1.4	16
254	A MULTISCALE APPROACH TO THE REPRESENTATION OF 3D IMAGES, WITH APPLICATION TO POLYMER SOLAR CELLS. <i>Image Analysis and Stereology</i> , 2011, 30, 19.	0.4	8
255	Fast ambipolar integrated circuits with poly(diketopyrrolopyrrole- terthiophene). <i>Applied Physics Letters</i> , 2011, 98, .	1.5	43
256	Charge separation and (triplet) recombination in diketopyrrolopyrrole $\hat{\epsilon}$ fullerene triads. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 1055-1065.	1.6	57
257	Fused ring thiophene-based poly(heteroarylene ethynylene)s for organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 1759-1766.	3.0	37
258	Controlling morphology and photovoltaic properties by chemical structure in copolymers of cyclopentadithiophene and thiophene segments. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 2218-2222.	3.0	4
259	Introduction to the Issue on Next-Generation Organic and Hybrid Solar Cells. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 1512-1513.	1.9	3
260	Measuring the External Quantum Efficiency of Two $\hat{\epsilon}$ Terminal Polymer Tandem Solar Cells. <i>Advanced Functional Materials</i> , 2010, 20, 3904-3911.	7.8	90
261	Optimizing Polymer Tandem Solar Cells. <i>Advanced Materials</i> , 2010, 22, E67-71.	11.1	221
262	Efficient Solar Cells Based on an Easily Accessible Diketopyrrolopyrrole Polymer. <i>Advanced Materials</i> , 2010, 22, E242-6.	11.1	358
263	Improved Film Morphology Reduces Charge Carrier Recombination into the Triplet Excited State in a Small Bandgap Polymer $\hat{\epsilon}$ Fullerene Photovoltaic Cell. <i>Advanced Materials</i> , 2010, 22, 4321-4324.	11.1	151
264	Revealing Buried Interfaces to Understand the Origins of Threshold Voltage Shifts in Organic Field $\hat{\epsilon}$ Effect Transistors. <i>Advanced Materials</i> , 2010, 22, 5105-5109.	11.1	101
265	Diketopyrrolopyrroles as Acceptor Materials in Organic Photovoltaics. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1554-1559.	2.0	81
266	Electron transport in the organic small-molecule material BA1q $\hat{\epsilon}$ the role of correlated disorder and traps. <i>Organic Electronics</i> , 2010, 11, 1408-1413.	1.4	30
267	Dual-emissive quantum dots for multispectral intraoperative fluorescence imaging. <i>Biomaterials</i> , 2010, 31, 6823-6832.	5.7	38
268	An ESR study on electron-capture phosphorus-centred radicals in solid matrices of alkyl/phenyl phosphine sulfides and selenides. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 2010, 108, 262-267.	0.0	7
269	Measuring the light emission profile in organic light-emitting diodes with nanometre spatial resolution. <i>Nature Photonics</i> , 2010, 4, 329-335.	15.6	82
270	Relation between the built-in voltage in organic light-emitting diodes and the zero-field voltage as measured by electroabsorption. <i>Physical Review B</i> , 2010, 81, .	1.1	29

#	ARTICLE	IF	CITATIONS
271	Trapping of electrons in metal oxide-polymer memory diodes in the initial stage of electroforming. Applied Physics Letters, 2010, 97, .	1.5	17
272	Maximizing the open-circuit voltage of polymer: Fullerene solar cells. Applied Physics Letters, 2010, 97, .	1.5	41
273	Modeling the temperature induced degradation kinetics of the short circuit current in organic bulk heterojunction solar cells. Applied Physics Letters, 2010, 96, .	1.5	90
274	Connecting Scanning Tunneling Spectroscopy to Device Performance for Polymer:Fullerene Organic Solar Cells. ACS Nano, 2010, 4, 1385-1392.	7.3	22
275	Hole transport in the organic small molecule material Î±-NPD: evidence for the presence of correlated disorder. Journal of Applied Physics, 2010, 107, .	1.1	72
276	Large Electrically Induced Height and Volume Changes in Poly(3,4-ethylenedioxythiophene)/Poly(styrenesulfonate) Thin Films. Chemistry of Materials, 2010, 22, 3670-3677.	3.2	12
277	Probing Charge Carrier Density in a Layer of Photodoped ZnO Nanoparticles by Spectroscopic Ellipsometry. Journal of Physical Chemistry C, 2010, 114, 14804-14810.	1.5	57
278	Self-Assembling Thiophene Dendrimers with a Hexa- <i>peri</i> -hexabenzocoronene Core~Synthesis, Characterization and Performance in Bulk Heterojunction Solar Cells. Chemistry of Materials, 2010, 22, 457-466.	3.2	113
279	A Unifying Model for the Operation of Light-Emitting Electrochemical Cells. Journal of the American Chemical Society, 2010, 132, 13776-13781.	6.6	232
280	Charge Separation and Recombination in Small Band Gap Oligomer~Fullerene Triads. Journal of Physical Chemistry B, 2010, 114, 14149-14156.	1.2	17
281	Small band gap polymers based on diketopyrrolopyrrole. Journal of Materials Chemistry, 2010, 20, 2240.	6.7	152
282	Design and synthesis of side-chain functionalized regioregular poly(3-hexylthiophene)-based copolymers and application in polymer:fullerene bulk heterojunction solar cells. Proceedings of SPIE, 2009, . . .	0.8	7
283	Scanning Kelvin Probe Microscopy on Bulk Heterojunction Polymer Blends. Advanced Functional Materials, 2009, 19, 1379-1386.	7.8	103
284	The Energy of Charge~Transfer States in Electron Donor~Acceptor Blends: Insight into the Energy Losses in Organic Solar Cells. Advanced Functional Materials, 2009, 19, 1939-1948.	7.8	907
285	Copolymers of Cyclopentadithiophene and Electron~Deficient Aromatic Units Designed for Photovoltaic Applications. Advanced Functional Materials, 2009, 19, 3262-3270.	7.8	146
286	Electroluminescent Cu~Doped CdS Quantum Dots. Advanced Materials, 2009, 21, 2916-2920.	11.1	93
287	Shape~Persistent Oligothiophylene~Ethynylene~Based Dendrimers: Synthesis, Spectroscopy and Electrochemical Characterization. Chemistry - A European Journal, 2009, 15, 13521-13534.	1.7	36
288	A round robin study of flexible large-area roll-to-roll processed polymer solar cell modules. Solar Energy Materials and Solar Cells, 2009, 93, 1968-1977.	3.0	205

#	ARTICLE	IF	CITATIONS
289	The effect of three-dimensional morphology on the efficiency of hybrid polymer solar cells. <i>Nature Materials</i> , 2009, 8, 818-824.	13.3	511
290	Monolayer coverage and channel length set the mobility in self-assembled monolayer field-effect transistors. <i>Nature Nanotechnology</i> , 2009, 4, 674-680.	15.6	121
291	Bimolecular recombination in ambipolar organic field effect transistors. <i>Organic Electronics</i> , 2009, 10, 994-997.	1.4	19
292	The influence of side chains on solubility and photovoltaic performance of dithiophene- <i>thienopyrazine</i> small band gap copolymers. <i>Polymer</i> , 2009, 50, 4564-4570.	1.8	50
293	Electron transport in polyfluorene-based sandwich-type devices: Quantitative analysis of the effects of disorder and electron traps. <i>Physical Review B</i> , 2009, 80, .	1.1	39
294	Substituted 2,1,3-Benzothiadiazole- And Thiophene-Based Polymers for Solar Cells - Introducing a New Thermocleavable Precursor. <i>Chemistry of Materials</i> , 2009, 21, 4669-4675.	3.2	132
295	Photovoltaic Performance of an Ultrasmall Band Gap Polymer. <i>Organic Letters</i> , 2009, 11, 903-906.	2.4	128
296	Functionalized Dendritic Oligothiophenes: Ruthenium Phthalocyanine Complexes and Their Application in Bulk Heterojunction Solar Cells. <i>Journal of the American Chemical Society</i> , 2009, 131, 8669-8676.	6.6	119
297	Large Photoinduced Circular Dichroism in Chiral Polyfluorene. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10891-10894.	1.1	7
298	Intensive Chiroptical Properties of Chiral Polyfluorenes Associated with Fibril Formation. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14047-14051.	1.2	21
299	PbSe Nanocrystal Network Formation during Pyridine Ligand Displacement. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 244-250.	4.0	64
300	Biaxially Oriented CdSe Nanorods. <i>Langmuir</i> , 2009, 25, 10970-10974.	1.6	14
301	Anisotropic Dielectric Tensor for Chiral Polyfluorene at Optical Frequencies. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14165-14171.	1.2	11
302	Hybrid Polymer-Inorganic Photovoltaic Cells. , 2009, , 321-385.		8
303	Helical Aromatic Oligoamide Foldamers as Organizational Scaffolds for Photoinduced Charge Transfer. <i>Journal of the American Chemical Society</i> , 2009, 131, 4819-4829.	6.6	95
304	Themed issue: solar cells. <i>Journal of Materials Chemistry</i> , 2009, 19, 5276.	6.7	6
305	Poly(diketopyrrolopyrrole- <i>terthiophene</i>) for Ambipolar Logic and Photovoltaics. <i>Journal of the American Chemical Society</i> , 2009, 131, 16616-16617.	6.6	721
306	Conjugated Oligothiophenyl Dendrimers Based on a Pyrazino[2,3- <i>g</i>]quinoxaline Core. <i>Organic Letters</i> , 2009, 11, 4500-4503.	2.4	51

#	ARTICLE	IF	CITATIONS
307	Electronic structure of small band gap oligomers based on cyclopentadithiophenes and acceptor units. <i>Journal of Materials Chemistry</i> , 2009, 19, 5343.	6.7	63
308	On the Origin of Small Band Gaps in Alternating Thiophene-Thienopyrazine Oligomers. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10343-10350.	1.1	36
309	Effect of Extended Thiophene Segments in Small Band Gap Polymers with Thienopyrazine. <i>Chemistry of Materials</i> , 2009, 21, 1663-1669.	3.2	53
310	Highly Luminescent Ultranarrow Mn Doped ZnSe Nanowires. <i>Nano Letters</i> , 2009, 9, 745-750.	4.5	102
311	Synthesis and photovoltaic performance of a series of small band gap polymers. <i>Journal of Materials Chemistry</i> , 2009, 19, 5336.	6.7	92
312	Core-functionalized dendritic oligothiophenes—novel donor-acceptor systems. <i>Journal of Materials Chemistry</i> , 2009, 19, 4784.	6.7	26
313	Morphological Device Model for Organic Bulk Heterojunction Solar Cells. <i>Nano Letters</i> , 2009, 9, 3032-3037.	4.5	120
314	Analysis of hole transport in a polyfluorene-based copolymer—evidence for the absence of correlated disorder. <i>Applied Physics Letters</i> , 2009, 94, 163307.	1.5	37
315	A Morphological Model for the Solvent-Enhanced Conductivity of PEDOT:PSS Thin Films. <i>Advanced Functional Materials</i> , 2008, 18, 865-871.	7.8	333
316	Solution-Processed Bulk Heterojunction Solar Cells Based on Monodisperse Dendritic Oligothiophenes. <i>Advanced Functional Materials</i> , 2008, 18, 3323-3331.	7.8	234
317	Charge Trapping at the Dielectric of Organic Transistors Visualized in Real Time and Space. <i>Advanced Materials</i> , 2008, 20, 975-979.	11.1	141
318	Manipulating the Local Light Emission in Organic Light-Emitting Diodes by using Patterned Self-Assembled Monolayers. <i>Advanced Materials</i> , 2008, 20, 2703-2706.	11.1	26
319	Narrow-Bandgap Diketo-Pyrrolo-Pyrrole Polymer Solar Cells: The Effect of Processing on the Performance. <i>Advanced Materials</i> , 2008, 20, 2556-2560.	11.1	671
320	Conductivity, work function, and environmental stability of PEDOT:PSS thin films treated with sorbitol. <i>Organic Electronics</i> , 2008, 9, 727-734.	1.4	609
321	The synthesis and photovoltaic performance of regioregular poly[3-(n-butoxymethyl)thiophene]. <i>Thin Solid Films</i> , 2008, 516, 7176-7180.	0.8	8
322	Switching dynamics in non-volatile polymer memories. <i>Organic Electronics</i> , 2008, 9, 829-833.	1.4	13
323	Real versus Measured Surface Potentials in Scanning Kelvin Probe Microscopy. <i>ACS Nano</i> , 2008, 2, 622-626.	7.3	116
324	Hole transport in polyfluorene-based sandwich-type devices: Quantitative analysis of the role of energetic disorder. <i>Physical Review B</i> , 2008, 78, .	1.1	102

#	ARTICLE	IF	CITATIONS
325	Energy transfer in hybrid quantum dot light-emitting diodes. <i>Journal of Applied Physics</i> , 2008, 104, 013108.	1.1	46
326	Small Band Gap Oligothieno[3,4-b]pyrazines. <i>Organic Letters</i> , 2008, 10, 3513-3516.	2.4	30
327	The Relationship between Nanoscale Architecture and Function in Photovoltaic Multichromophoric Arrays as Visualized by Kelvin Probe Force Microscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 14605-14614.	6.6	85
328	Red, green, and blue quantum dot LEDs with solution processable ZnO nanocrystal electron injection layers. <i>Journal of Materials Chemistry</i> , 2008, 18, 1889.	6.7	183
329	Compositional and Electric Field Dependence of the Dissociation of Charge Transfer Excitons in Alternating Polyfluorene Copolymer/Fullerene Blends. <i>Journal of the American Chemical Society</i> , 2008, 130, 7721-7735.	6.6	544
330	Tetrafullerene Conjugates for All-Organic Photovoltaics. <i>Journal of Organic Chemistry</i> , 2008, 73, 3189-3196.	1.7	48
331	Resistive Switching in Organic Memories with a Spin-Coated Metal Oxide Nanoparticle Layer. <i>Journal of Physical Chemistry C</i> , 2008, 112, 5254-5257.	1.5	38
332	Triplet Formation Involving a Polar Transition State in a Well-Defined Intramolecular Perylenediimide Dimeric Aggregate. <i>Journal of Physical Chemistry A</i> , 2008, 112, 5846-5857.	1.1	103
333	An Oligomer Study on Small Band Gap Polymers. <i>Journal of Physical Chemistry A</i> , 2008, 112, 10764-10773.	1.1	70
334	Copolymers of Polyethylene and Perylenediimides through Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , 2008, 41, 1094-1103.	2.2	18
335	Cluster synthesis of branched CdTe nanocrystals for use in light-emitting diodes. <i>Nanotechnology</i> , 2008, 19, 205602.	1.3	22
336	Synthesis and Photophysical Properties of Conjugated Polymers with Pendant 9,10-Anthraquinone Units. <i>Journal of Physical Chemistry B</i> , 2008, 112, 4953-4960.	1.2	21
337	Enhanced Intersystem Crossing via a High Energy Charge Transfer State in a Perylenediimide~Perylenemonoimide Dyad. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8617-8632.	1.1	61
338	Photoluminescence enhancement in thin films of PbSe nanocrystals. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	11
339	On the width of the recombination zone in ambipolar organic field effect transistors. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	32
340	Anisotropic hopping conduction in spin-coated PEDOT:PSS thin films. <i>Physical Review B</i> , 2007, 76, .	1.1	193
341	High aspect ratio surface relief structures by photoembossing. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	28
342	A convergent synthesis of (diphenylvinyl)benzene (DPVB) star-shaped compounds with tunable redox, photo- and electroluminescent properties. <i>Journal of Materials Chemistry</i> , 2007, 17, 4274.	6.7	8

#	ARTICLE	IF	CITATIONS
343	Circular Differential Scattering of Light in Films of Chiral Polyfluorene. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5124-5131.	1.2	39
344	Highly Luminescent CdTe/CdSe Colloidal Heteronanocrystals with Temperature-Dependent Emission Color. <i>Journal of the American Chemical Society</i> , 2007, 129, 14880-14886.	6.6	167
345	Surface Modification of Zinc Oxide Nanoparticles Influences the Electronic Memory Effects in ZnO~Polystyrene Diodes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10150-10153.	1.5	30
346	Phosphorescent Resonant Energy Transfer between Iridium Complexes. <i>Journal of Physical Chemistry A</i> , 2007, 111, 1381-1388.	1.1	40
347	Reproducible resistive switching in nonvolatile organic memories. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	126
348	Energy and Electron Transfer in a Poly(fluorene-alt-phenylene) Bearing Perylenediimides as Pendant Electron Acceptor Groups. <i>Macromolecules</i> , 2007, 40, 2760-2772.	2.2	81
349	The use of ZnO as optical spacer in polymer solar cells: Theoretical and experimental study. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	341
350	Donor-Functionalized Polydentate Pyrylium Salts and Phosphinines: Synthesis, Structural Characterization, and Photophysical Properties. <i>Chemistry - A European Journal</i> , 2007, 13, 4548-4559.	1.7	87
351	Functionalized 3D Oligothiophene Dendrons and Dendrimers~ Novel Macromolecules for Organic Electronics. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1679-1683.	7.2	230
352	Tough, Semiconducting Polyethylene~poly(3~hexylthiophene) Diblock Copolymers. <i>Advanced Functional Materials</i> , 2007, 17, 2674-2679.	7.8	201
353	Energy Transfer and Polarized Emission in Cadmium Selenide Nanocrystal Solids with Mixed Dimensionality. <i>Advanced Functional Materials</i> , 2007, 17, 3829-3835.	7.8	26
354	Microscopic Understanding of the Anisotropic Conductivity of PEDOT:PSS Thin Films. <i>Advanced Materials</i> , 2007, 19, 1196-1200.	11.1	482
355	Picosecond energy transfer in oligo(p-phenylene vinylene) capped gold nanoparticles. <i>Chemical Physics Letters</i> , 2007, 433, 340-344.	1.2	7
356	The chiroptical properties of chiral substituted poly[3-((3S)-3,7-dimethyloctyl)thiophene] as a function of film thickness. <i>Chemical Physics Letters</i> , 2007, 437, 193-197.	1.2	24
357	Photoinduced absorption spectroscopy on MDMO-PPV:PCBM solar cells under operation. <i>Organic Electronics</i> , 2007, 8, 325-335.	1.4	12
358	On the efficiency of polymer solar cells. <i>Nature Materials</i> , 2007, 6, 704-704.	13.3	36
359	Electronic memory effects in diodes of zinc oxide nanoparticles in a matrix of polystyrene or poly(3-hexylthiophene). <i>Journal of Applied Physics</i> , 2007, 102, .	1.1	92
360	Double and triple junction polymer solar cells processed from solution. <i>Applied Physics Letters</i> , 2007, 90, 143512.	1.5	329

#	ARTICLE	IF	CITATIONS
361	Light harvesting tetrafullerene nanoarray for organic solar cells. <i>Chemical Communications</i> , 2006, , 514-516.	2.2	37
362	Influence of Intermolecular Orientation on the Photoinduced Charge Transfer Kinetics in Self-Assembled Aggregates of Donor-Acceptor Arrays. <i>Journal of the American Chemical Society</i> , 2006, 128, 649-657.	6.6	171
363	The Importance of Nanoscopic Ordering on the Kinetics of Photoinduced Charge Transfer in Aggregated π -Conjugated Hydrogen-Bonded Donor-Acceptor Systems. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16967-16978.	1.2	57
364	Low-band gap poly(di-2-thienylthienopyrazine):fullerene solar cells. <i>Applied Physics Letters</i> , 2006, 88, 153511.	1.5	191
365	Electronic memory effects in diodes from a zinc oxide nanoparticle-polystyrene hybrid material. <i>Applied Physics Letters</i> , 2006, 89, 102103.	1.5	136
366	Control of Film Morphology by Folding Hydrogen-Bonded Oligo(p-phenylenevinylene) Polymers in Solution. <i>Macromolecules</i> , 2006, 39, 784-788.	2.2	27
367	Photogeneration and Decay of Charge Carriers in Hybrid Bulk Heterojunctions of ZnO Nanoparticles and Conjugated Polymers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10315-10321.	1.2	56
368	High Open-Circuit Voltage Poly(ethynylene bithienylene):Fullerene Solar Cells. <i>Chemistry of Materials</i> , 2006, 18, 5832-5834.	3.2	95
369	Synthesis and Characterization of Long Peryleneimide Polymer Fibers: From Bulk to the Single-Molecule Level. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7803-7812.	1.2	55
370	Electronic Memory Effects in a Sexithiophene-Poly(ethylene oxide) Block Copolymer Doped with NaCl. Combined Diode and Resistive Switching Behavior. <i>Chemistry of Materials</i> , 2006, 18, 2707-2712.	3.2	59
371	Fractal-like Self-Assembly of Oligo(p-phenylene vinylene) Capped Gold Nanoparticles. <i>Journal of the American Chemical Society</i> , 2006, 128, 686-687.	6.6	53
372	Solvent Mediated Intramolecular Photoinduced Electron Transfer in a Fluorene-Perylene Bisimide Derivative. <i>Journal of Physical Chemistry A</i> , 2006, 110, 12363-12371.	1.1	33
373	High-Resolution Electronic Spectra of Ethylenedioxythiophene Oligomers. <i>Journal of the American Chemical Society</i> , 2006, 128, 17007-17017.	6.6	57
374	Organic multi-junction solar cells processed from solution with sensitivity from ultraviolet to the near infrared. , 2006, , .		0
375	Multicomponent semiconducting polymer systems with low crystallization-induced percolation threshold. <i>Nature Materials</i> , 2006, 5, 950-956.	13.3	302
376	Low band gap polymer bulk heterojunction solar cells. <i>Chemical Physics Letters</i> , 2006, 422, 488-491.	1.2	98
377	Electro-optical studies on MDMO-PPV:PCBM bulk-heterojunction solar cells on the millisecond time scale: Trapped carriers. <i>Organic Electronics</i> , 2006, 7, 213-221.	1.4	16
378	Photoinduced charge and energy transfer in dye-doped conjugated polymers. <i>Thin Solid Films</i> , 2006, 511-512, 581-586.	0.8	32

#	ARTICLE	IF	CITATIONS
379	Triplet formation from the charge-separated state in blends of MDMO-PPV with cyano-containing acceptor polymers. <i>Thin Solid Films</i> , 2006, 511-512, 333-337.	0.8	28
380	Side Chain Mediated Electronic Contact between a Tetrahydro-4H-thiopyran-4-ylidene-Appended Polythiophene and CdTe Quantum Dots. <i>Chemistry - A European Journal</i> , 2006, 12, 8075-8083.	1.7	34
381	Hybrid Solar Cells from Regioregular Polythiophene and ZnO Nanoparticles. <i>Advanced Functional Materials</i> , 2006, 16, 1112-1116.	7.8	547
382	Solution-Processed Organic Tandem Solar Cells. <i>Advanced Functional Materials</i> , 2006, 16, 1897-1903.	7.8	265
383	Pathways for Resonant Energy Transfer in Oligo(phenylenevinylene)â€“Fullerene Dyads: An Atomistic Model. <i>Advanced Materials</i> , 2006, 18, 1301-1306.	11.1	25
384	Electronic Memory Effects in Zinc Oxide Nanoparticle -Polystyrene Devices with a Calcium Top Electrode. <i>Materials Research Society Symposia Proceedings</i> , 2006, 965, 1.	0.1	0
385	Temperature-dependent built-in potential in organic semiconductor devices. <i>Applied Physics Letters</i> , 2006, 88, 192108.	1.5	63
386	Time delayed collection field experiments on polymer: Fullerene bulk-heterojunction solar cells. <i>Journal of Applied Physics</i> , 2006, 100, 074509.	1.1	24
387	Absorbing infrared light in polymer solar cells. <i>SPIE Newsroom</i> , 2006, , .	0.1	2
388	Hybrid ZnO:polymer bulk heterojunction solar cells from a ZnO precursor. , 2005, , .		2
389	Low band gap polymer: fullerene solar cells. , 2005, , .		1
390	Exciplex dynamics in a conjugated polymer blend of MDMO-PPV and PCNEPV. , 2005, , .		0
391	Monte-Carlo simulations of geminate electron-hole pair dissociation in a molecular heterojunction. , 2005, , .		1
392	Hybrid bulk heterojunction solar cells: blends of ZnO semiconducting nanoparticles and conjugated polymers. , 2005, , .		1
393	Monte-Carlo simulations of geminate electronâ€“hole pair dissociation in a molecular heterojunction: a two-step dissociation mechanism. <i>Chemical Physics</i> , 2005, 308, 125-133.	0.9	93
394	Comparison of the chain length dependence of the singlet- and triplet-excited states of oligofluorenes. <i>Chemical Physics Letters</i> , 2005, 411, 273-277.	1.2	71
395	Selective oxidation of benzene to phenol with nitrous oxide over MFI zeolites1. On the role of iron and aluminum. <i>Journal of Catalysis</i> , 2005, 233, 123-135.	3.1	151
396	Organoselenium-substituted poly(p-phenylenevinylene). <i>Heteroatom Chemistry</i> , 2005, 16, 656-662.	0.4	6

#	ARTICLE	IF	CITATIONS
397	Charge Transfer in Supramolecular Coaggregates of Oligo(p-Phenylene Vinylene) and Perylene Bisimide in Water. <i>ChemPhysChem</i> , 2005, 6, 2029-2031.	1.0	16
398	Compositional Dependence of the Performance of Poly(p-phenylene vinylene):Methanofullerene Bulk-Heterojunction Solar Cells. <i>Advanced Functional Materials</i> , 2005, 15, 795-801.	7.8	383
399	Hybrid Solar Cells Using a Zinc Oxide Precursor and a Conjugated Polymer. <i>Advanced Functional Materials</i> , 2005, 15, 1703-1707.	7.8	202
400	Electrically Rewritable Memory Cells from Poly(3-hexylthiophene) Schottky Diodes. <i>Advanced Materials</i> , 2005, 17, 1169-1173.	11.1	80
401	Synthesis of regioregular poly(3-octylthiophene)s via Suzuki polycondensation and end-group analysis by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Journal of Polymer Science Part A</i> , 2005, 43, 1454-1462.	2.5	46
402	Polymer- ⁶⁶ Fullerene Bulk Heterojunction Solar Cells. <i>MRS Bulletin</i> , 2005, 30, 33-36.	1.7	171
403	Field and temperature dependence of the photocurrent in polymer/fullerene bulk heterojunction solar cells. <i>Applied Physics Letters</i> , 2005, 87, 122104.	1.5	44
404	Phosphorescence and Triplet State Energies of Oligothiophenes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4410-4415.	1.2	67
405	Crystalline- ⁶⁶ Crystalline Block Copolymers of Regioregular Poly(3-hexylthiophene) and Polyethylene by Ring-Opening Metathesis Polymerization. <i>Journal of the American Chemical Society</i> , 2005, 127, 12502-12503.	6.6	155
406	Substitution and Preparation Effects on the Molecular-Scale Morphology of PPV Films. <i>Macromolecules</i> , 2005, 38, 7784-7792.	2.2	29
407	Nanoscale Morphology of High-Performance Polymer Solar Cells. <i>Nano Letters</i> , 2005, 5, 579-583.	4.5	1,499
408	C60- ⁶⁶ exTTF- ⁶⁶ C60 Dumbbells: Cooperative Effects Stemming from Two C60s on the Radical Ion Pair Stabilization. <i>Organic Letters</i> , 2005, 7, 1691-1694.	2.4	40
409	Negative capacitances in low-mobility solids. <i>Physical Review B</i> , 2005, 72, .	1.1	87
410	Hybrid Zinc Oxide Conjugated Polymer Bulk Heterojunction Solar Cells. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9505-9516.	1.2	842
411	Exciplex dynamics in a blend of π -conjugated polymers with electron donating and accepting properties: MDMO-PPV and PCNEPV. <i>Physical Review B</i> , 2005, 72, .	1.1	127
412	Hybrid polymer solar cells based on zinc oxide. <i>Journal of Materials Chemistry</i> , 2005, 15, 2985.	6.7	141
413	Bulk Heterojunction Polymer Solar Cells. , 2005, , .		0
414	PLASTIC INFRARED DETECTORS BASED ON POLY(3,4-ETHYLENEDIOXYTHIOPHENE):POLY(STYRENE SULFONIC) Tj E J Q q 0 0 0 r g B T / Overl	1.8	0

#	ARTICLE	IF	CITATIONS
415	Photoinduced energy and electron transfer in oligo(p-phenylene vinylene)-fullerene dyads. Applied Physics A: Materials Science and Processing, 2004, 79, 41-46.	1.1	59
416	Relating the Morphology of Poly(p-phenylene vinylene)/Methanofullerene Blends to Solar-Cell Performance. Advanced Functional Materials, 2004, 14, 425-434.	7.8	635
417	Efficient Hybrid Solar Cells from Zinc Oxide Nanoparticles and a Conjugated Polymer. Advanced Materials, 2004, 16, 1009-1013.	11.1	891
418	Photoluminescence of Self-organized Perylene Bisimide Polymers. Macromolecular Chemistry and Physics, 2004, 205, 217-222.	1.1	107
419	Donor-acceptor Polymers: A Conjugated Oligo(p-Phenylene Vinylene) Main Chain with Dangling Perylene Bisimides. Chemistry - A European Journal, 2004, 10, 3907-3918.	1.7	58
420	Non-linearity in the I-V characteristic of poly(3,4-ethylenedioxythiophene):poly(styrenesulfonic acid) (PEDOT:PSS) due to Joule heating. Organic Electronics, 2004, 5, 207-211.	1.4	6
421	Characterization of poly(p-phenylene vinylene)/methanofullerene blends of polymer solar cells by time-of-flight secondary ion mass spectrometry. Applied Surface Science, 2004, 231-232, 274-277.	3.1	20
422	Spacer length dependence of photoinduced electron transfer in heterosupramolecular assemblies of TiO ₂ nanoparticles and terthiophene. Journal of Materials Chemistry, 2004, 14, 2795.	6.7	38
423	Charge Separation and Recombination in Photoexcited Oligo(p-phenylene vinylene):Perylene Bisimide Arrays Close to the Marcus Inverted Region. Journal of Physical Chemistry A, 2004, 108, 6933-6937.	1.1	64
424	Scanning tunneling spectroscopy on organic semiconductors: Experiment and model. Physical Review B, 2004, 70, .	1.1	38
425	Supramolecular Control over Donor-acceptor Photoinduced Charge Separation. Journal of the American Chemical Society, 2004, 126, 9630-9644.	6.6	58
426	Photoinduced Multistep Electron Transfer in an Oligoaniline-Oligo(p-phenylene Vinylene)-Perylene Diimide Molecular Array. Journal of Physical Chemistry A, 2004, 108, 8201-8211.	1.1	33
427	Morphology and Thermal Stability of the Active Layer in Poly(p-phenylenevinylene)/Methanofullerene Plastic Photovoltaic Devices. Macromolecules, 2004, 37, 2151-2158.	2.2	339
428	Supramolecular p-n-Heterojunctions by Co-Self-Organization of Oligo(p-phenylene Vinylene) and Perylene Bisimide Dyes. Journal of the American Chemical Society, 2004, 126, 10611-10618.	6.6	400
429	Relating the morphology of a poly(p-phenylene vinylene)/methanofullerene blend to bulk heterojunction solar cell performance. , 2004, , .		3
430	Electrical Transport Study of Phenylene-Based π -Conjugated Molecules in a Three-Terminal Geometry. Annals of the New York Academy of Sciences, 2003, 1006, 122-132.	1.8	10
431	Thermally Induced Transient Absorption of Light by Poly(3,4-ethylenedioxythiophene):Poly(styrene) Functional Materials, 2003, 13, 805-810.	7.8	31
432	Electron Transport in a Methanofullerene. Advanced Functional Materials, 2003, 13, 43-46.	7.8	600

#	ARTICLE	IF	CITATIONS
433	Photoinduced Electron Transfer and Photovoltaic Response of a MDMO-PPV:TiO ₂ Bulk-Heterojunction. <i>Advanced Materials</i> , 2003, 15, 118-121.	11.1	260
434	Efficient Methano[70]fullerene/MDMO-PPV Bulk Heterojunction Photovoltaic Cells. <i>Angewandte Chemie</i> , 2003, 115, 3493-3497.	1.6	156
435	Crowned Dendrimers: pH-Responsive Pseudorotaxane Formation.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
436	Efficient Methano[70]fullerene/MDMO-PPV Bulk Heterojunction Photovoltaic Cells. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3371-3375.	7.2	1,089
437	Characterization of polymer solar cells by TOF-SIMS depth profiling. <i>Applied Surface Science</i> , 2003, 203-204, 547-550.	3.1	140
438	Absence of Strong Gate Effects in Electrical Measurements on Phenylene-Based Conjugated Molecules. <i>Nano Letters</i> , 2003, 3, 113-117.	4.5	145
439	Crowned Dendrimers: pH-Responsive Pseudorotaxane Formation. <i>Journal of Organic Chemistry</i> , 2003, 68, 2385-2389.	1.7	72
440	Relating Substitution to Single-Chain Conformation and Aggregation in Poly(p-phenylene Vinylene) Films. <i>Nano Letters</i> , 2003, 3, 1191-1196.	4.5	49
441	Supramolecular fullerene architectures by quadruple hydrogen bonding. <i>Synthetic Metals</i> , 2003, 135-136, 801-803.	2.1	14
442	Charge Transfer Kinetics in Fullerene ⁺ Oligomer ⁻ Fullerene Triads Containing Alkylpyrrole Units. <i>Journal of Physical Chemistry A</i> , 2003, 107, 6218-6224.	1.1	34
443	Charge recombination in a poly(para-phenylene vinylene)-fullerene derivative composite film studied by transient, nonresonant, hole-burning spectroscopy. <i>Journal of Chemical Physics</i> , 2003, 119, 10924-10929.	1.2	73
444	Alternating Oligo(p-phenylene vinylene) ⁺ Perylene Bisimide Copolymers: A Synthesis, Photophysics, and Photovoltaic Properties of a New Class of Donor ⁺ Acceptor Materials. <i>Journal of the American Chemical Society</i> , 2003, 125, 8625-8638.	6.6	195
445	Singlet-energy transfer in quadruple hydrogen-bonded oligo(p-phenylenevinylene)perylene-diimide dyads. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 198-203.	1.5	43
446	Photoinduced Multistep Energy and Electron Transfer in an Oligoaniline ⁺ Oligo(p-phenylene) Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 222	1.1	37
447	TiO ₂ sensitized with an oligo(p-phenylenevinylene) carboxylic acid: a new model compound for a hybrid solar cell. <i>Journal of Materials Chemistry</i> , 2003, 13, 1054-1057.	6.7	34
448	Injection-limited electron current in a methanofullerene. <i>Journal of Applied Physics</i> , 2003, 94, 4477-4479.	1.1	41
449	Towards increasing the photon harvesting in bulk heterojunction polymer solar cells. , 2003, 4801, 22.		1
450	Conjugation-Length Dependence of Spin-Dependent Exciton Formation Rates in Conjugated Oligomers and Polymers. <i>Physical Review Letters</i> , 2002, 88, 197401.	2.9	138

#	ARTICLE	IF	CITATIONS
451	Real-Space Measurement of the Potential Distribution Inside Organic Semiconductors. <i>Physical Review Letters</i> , 2002, 88, 096803.	2.9	12
452	Intra- and Intermolecular Photoinduced Energy and Electron Transfer between Oligothiophenevinylenes and N-Methylfulleropyrrolidine. <i>Journal of Physical Chemistry A</i> , 2002, 106, 21-31.	1.1	105
453	Singlet-energy transfer in quadruple hydrogen-bonded oligo(p-phenylenevinylene)-fullerene dyads. <i>Journal of Materials Chemistry</i> , 2002, 12, 2054-2060.	6.7	63
454	Preferential hetero-dimer formation and equilibrium dynamics of self-complementary bifunctional oligo(p-phenylenevinylene) and C60ureido-pyrimidinone derivatives in solution. <i>Chemical Communications</i> , 2002, , 2888-2889.	2.2	36
455	Polymer solar cells and infrared light emitting diodes: Dual function low bandgap polymer. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 385, 93-100.	0.4	19
456	The interfaces of poly(p-phenylene vinylene) and fullerene derivatives with Al, LiF, and Al/LiF studied by secondary ion mass spectroscopy and x-ray photoelectron spectroscopy: Formation of AlF3 disproved. <i>Journal of Chemical Physics</i> , 2002, 117, 5031-5035.	1.2	61
457	Stimulation of electrical conductivity in a π -conjugated polymeric conductor with infrared light. <i>Journal of Applied Physics</i> , 2002, 92, 7041-7050.	1.1	12
458	Metallo-supramolecular oligo(p-phenylene vinylene)/[60]fullerene architectures: towards functional materials. <i>Thin Solid Films</i> , 2002, 403-404, 97-101.	0.8	15
459	Sensitization of low bandgap polymer bulk heterojunction solar cells. <i>Thin Solid Films</i> , 2002, 403-404, 373-379.	0.8	78
460	Optical and Redox Properties of a Series of 3,4-Ethylenedioxythiophene Oligomers. <i>Chemistry - A European Journal</i> , 2002, 8, 2384.	1.7	172
461	Photoinduced Electron Transfer in a Mesogenic Donor-Acceptor-Donor System. <i>Chemistry - A European Journal</i> , 2002, 8, 4470-4474.	1.7	88
462	Orientalional Effect on the Photophysical Properties of Quaterthiophene-C60 Dyads. <i>Chemistry - A European Journal</i> , 2002, 8, 5415-5429.	1.7	81
463	Side-Chain-Functionalized Polyacetylenes, 2. Photovoltaic Properties. <i>Macromolecular Rapid Communications</i> , 2002, 23, 271-275.	2.0	10
464	Photoinduced Electron Transfer in Heterosupramolecular Assemblies of TiO2 Nanoparticles and Terthiophene Carboxylic Acid in Apolar Solvents. <i>Advanced Functional Materials</i> , 2002, 12, 519.	7.8	50
465	Spectroscopic Studies of Photoexcitations in Regioregular and Regiorandom Polythiophene Films. <i>Advanced Functional Materials</i> , 2002, 12, 587-597.	7.8	314
466	In-Situ Compositional and Structural Analysis of Plastic Solar Cells. <i>Advanced Functional Materials</i> , 2002, 12, 665-669.	7.8	53
467	A Low-Bandgap Semiconducting Polymer for Photovoltaic Devices and Infrared Emitting Diodes. <i>Advanced Functional Materials</i> , 2002, 12, 709-712.	7.8	517
468	Langmuir and Langmuir-Blodgett films from the N-hexyl-pyrrole-thiophene (AB) semi-amphiphilic copolymer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 198-200, 45-51.	2.3	13

#	ARTICLE	IF	CITATIONS
469	Langmuir films from tailor-made semi-amphiphilic alternating (AB) heterocyclic copolymers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 198-200, 331-338.	2.3	2
470	Langmuir films from semi-amphiphilic sequence-controlled heterocyclic copolymers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 198-200, 313-321.	2.3	4
471	Langmuir film of regioregular poly(4-dodecyl-2,2'-bithiophene). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 198-200, 323-330.	2.3	3
472	Measuring the potential distribution inside soft organic semiconductors with a scanning-tunneling microscope. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 13, 1247-1250.	1.3	0
473	Synthesis and structure-property relationship of new donor-acceptor-type conjugated monomers and polymers on the basis of thiophene and benzothiadiazole. <i>Journal of Polymer Science Part A</i> , 2002, 40, 251-261.	2.5	112
474	Synthesis, optical, and electrochemical properties of novel copolymers on the basis of benzothiadiazole and electron-rich arene units. <i>Journal of Polymer Science Part A</i> , 2002, 40, 2360-2372.	2.5	42
475	The use of the focused ion beam technique to prepare cross-sectional transmission electron microscopy specimen of polymer solar cells deposited on glass. <i>Polymer</i> , 2002, 43, 7493-7496.	1.8	45
476	N ₂ O Decomposition over Fe/ZSM-5: Effect of High-Temperature Calcination and Steaming. <i>Catalysis Letters</i> , 2002, 81, 205-212.	1.4	90
477	Photoinduced Electron Transfer and Photovoltaic Devices of a Conjugated Polymer with Pendant Fullerenes. <i>Journal of the American Chemical Society</i> , 2001, 123, 6714-6715.	6.6	247
478	Photoinduced singlet and triplet energy transfer in fullerene-oligothiophene-fullerene triads. <i>Synthetic Metals</i> , 2001, 116, 123-127.	2.1	16
479	A poly(p-phenylene ethynylene vinylene) with pendant fullerenes. <i>Synthetic Metals</i> , 2001, 119, 171-172.	2.1	26
480	Design and synthesis of new processible donor-acceptor dyad and triads. <i>Synthetic Metals</i> , 2001, 119, 519-522.	2.1	21
481	Synthesis and characterization of novel regioregular polythiophenes. <i>Synthetic Metals</i> , 2001, 119, 369-370.	2.1	6
482	Photoluminescence of supramolecular oligothiophene assemblies. <i>Synthetic Metals</i> , 2001, 121, 1259-1260.	2.1	10
483	Aggregation of perylenebisimid-polytetrahydrofuran copolymers. <i>Synthetic Metals</i> , 2001, 121, 1283-1284.	2.1	15
484	Low-bandgap polymer photovoltaic cells. <i>Synthetic Metals</i> , 2001, 121, 1587-1588.	2.1	65
485	Photoinduced energy and electron transfer in a C ₆₀ -6T-C ₆₀ triad. <i>Synthetic Metals</i> , 2001, 121, 1597-1598.	2.1	9
486	Design and synthesis of processible functional copolymers. <i>Synthetic Metals</i> , 2001, 119, 169-170.	2.1	15

#	ARTICLE	IF	CITATIONS
487	Two-step mechanism for the photoinduced intramolecular electron transfer in oligo(p-phenylene) Tj ETQq1 1 0.784314 rgBT /Overloc	1.1	53
488	Interchain Delocalization of Photoinduced Neutral and Charged States in Nanoaggregates of Lengthy Oligothiophenes. <i>Journal of the American Chemical Society</i> , 2001, 123, 6916-6924.	6.6	42
489	Synthesis, Characterization, and Electrooptical Properties of a New AlternatingN-Dodecylpyrrole~Benzothiadiazole Copolymer. <i>Macromolecules</i> , 2001, 34, 2495-2501.	2.2	52
490	Synthesis and Characterization of a Poly(1,3-dithienylisothianaphthene) Derivative for Bulk Heterojunction Photovoltaic Cells. <i>Journal of Physical Chemistry B</i> , 2001, 105, 11106-11113.	1.2	60
491	Langmuir Films of an Oligo(p-phenylene vinylene) Functionalized with a Diaminotriazine Headgroup. <i>Langmuir</i> , 2001, 17, 3281-3285.	1.6	19
492	Mechanistic Aspects of the Suzuki Polycondensation of Thiophenebisboronic Derivatives and Diiodobenzenes Analyzed by MALDI~TOF Mass Spectrometry. <i>Macromolecules</i> , 2001, 34, 5386-5393.	2.2	127
493	An Electron-Deficient Discotic Liquid-Crystalline Material. <i>Chemistry of Materials</i> , 2001, 13, 2675-2679.	3.2	78
494	Effect of Ion Coordination on the Conformational and Electronic Structure of 3,4-Bis(alkylthio)thiophenes. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 821-828.	1.0	12
495	Synthesis and Properties of Redox-Active Dendrimers Containing Phenothiazines. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 2123-2128.	1.2	12
496	Supramolecular Hydrogen-Bonded Oligo(p-phenylene vinylene) Polymers This work was supported by Netherlands Organization for Scientific Research (NWO) and the Royal Netherlands Academy of Arts and Sciences. The authors thank Michel Fransen for the synthesis of the starting materials, Joost van Dongen and Xiamwen Lou for matrix-assisted laser desorption ionization time-of-flight (MALDI-TOF) MS measurements, Pascal Jonkheijm for atomic force microscopy (AFM) measurements, and Dr. Rint Sijbesma for fruitful and. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3660.	7.2	106
497	Full temporal resolution of the two-step photoinduced energy~electron transfer in a fullerene~oligothiophene~fullerene triad using sub-10 fs pump~probe spectroscopy. <i>Chemical Physics Letters</i> , 2001, 345, 33-38.	1.2	62
498	Separation and characterization of oligomers by reversed-phase high-performance liquid chromatography; a study on well-defined oligothiophenes. <i>Journal of Chromatography A</i> , 2001, 911, 13-26.	1.8	12
499	Redox States and Associated Interchain Processes of Thienylenevinylene Oligomers. <i>Chemistry - A European Journal</i> , 2000, 6, 1698-1707.	1.7	10
500	Two-Dimensional Crystals of Poly(3-Alkyl- thiophene)s: Direct Visualization of Polymer Folds in Submolecular Resolution. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2679-2684.	7.2	257
501	Unexpected Dimerization of Oxidized Fullerene-Oligothiophene-Fullerene Triads. <i>Advanced Materials</i> , 2000, 12, 908-911.	11.1	24
502	Polymer Photovoltaic Devices from Stratified Multilayers of Donor-Acceptor Blends. <i>Advanced Materials</i> , 2000, 12, 1367-1370.	11.1	98
503	Photoinduced intermolecular electron transfer between oligo(p-phenylene vinylene)s and N-methylfulleropyrrolidine in a polar solvent. <i>Chemical Physics Letters</i> , 2000, 328, 403-408.	1.2	29
504	On the origin of optical activity in polythiophenes. <i>Journal of Molecular Structure</i> , 2000, 521, 285-301.	1.8	206

#	ARTICLE	IF	CITATIONS
505	Relaxation of photo-excitations in films of oligo- and poly-(para-phenylene vinylene) derivatives. <i>Chemical Physics</i> , 2000, 260, 415-439.	0.9	63
506	Astramol polypropyleneimine dendrimers as norrish type II amine synergists. <i>Journal of Coatings Technology and Research</i> , 2000, 83, 119-124.	0.2	1
507	Singlet and triplet excitations of chiral dialkoxy-p-phenylene vinylene oligomers. <i>Journal of Chemical Physics</i> , 2000, 112, 9445-9454.	1.2	128
508	Photoinduced Energy and Electron Transfer in Fullereneâˆ”Oligothiopheneâˆ”Fullerene Triads. <i>Journal of Physical Chemistry A</i> , 2000, 104, 5974-5988.	1.1	146
509	Microstructureâ€”mobility correlation in self-organised, conjugated polymer field-effect transistors. <i>Synthetic Metals</i> , 2000, 111-112, 129-132.	2.1	121
510	Synthesis, Photophysical Properties, and Photovoltaic Devices of Oligo(p-phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Id (vinyl	1.2	242
511	End-group modification of regioregular poly(3-alkylthiophene)s. <i>Chemical Communications</i> , 2000, , 81-82.	2.2	48
512	Redox States of Well-Defined Î€-Conjugated Oligothiophenes Functionalized with Poly(benzyl ether) Dendrons. <i>Journal of the American Chemical Society</i> , 2000, 122, 7042-7051.	6.6	100
513	Ferromagnetic Spin Alignment in Head-to-Tail Coupled Oligo(1,4-phenyleneethynylene)s and Oligo(1,4-phenylenevinylene)s Bearing Pendant p-Phenylenediamine Radical Cations. <i>Journal of Organic Chemistry</i> , 2000, 65, 5712-5719.	1.7	40
514	Concentration-Dependent Thermochromism and Supramolecular Aggregation in Solution of Triblock Copolymers Based on Lengthy Oligothiophene Cores and Poly(benzyl ether) Dendrons. <i>Macromolecules</i> , 2000, 33, 7038-7043.	2.2	76
515	Redox States and Associated Interchain Processes of Thienylenevinylene Oligomers. <i>Chemistry - A European Journal</i> , 2000, 6, 1698-1707.	1.7	26
516	Combinatorial Chemistry Approach to Development of Molecular Plastic Solar Cells. , 1999, , .		0
517	Two-dimensional charge transport in self-organized, high-mobility conjugated polymers. <i>Nature</i> , 1999, 401, 685-688.	13.7	4,364
518	Synthesis and characterization of new copolymers of thiophene and vinylene: Poly(thienylenevinylene)s and poly(terthienylenevinylene)s with thioether side chains. <i>Journal of Polymer Science Part A</i> , 1999, 37, 4629-4639.	2.5	23
519	Photoinduced Electron Transfer from Conjugated Polymers to TiO2. <i>Journal of Physical Chemistry B</i> , 1999, 103, 4352-4359.	1.2	142
520	Oddâ€”even effect in optically active poly(3,4-dialkoxythiophene). <i>Chemical Communications</i> , 1999, , 791-792.	2.2	50
521	Efficient synthesis of high-spin meta-para-oligoanilines. <i>Synthetic Metals</i> , 1999, 103, 2287-2290.	2.1	17
522	Transparent highly-oxidized conjugated polymer films from solution. <i>Synthetic Metals</i> , 1999, 101, 417-420.	2.1	19

#	ARTICLE	IF	CITATIONS
523	Realization of large area flexible fullerene " conjugated polymer photocells: A route to plastic solar cells. <i>Synthetic Metals</i> , 1999, 102, 861-864.	2.1	122
524	Solvent effects on the "dimerization of cation radicals of conjugated oligomers. <i>Synthetic Metals</i> , 1999, 101, 373-374.	2.1	12
525	Thermochromism in the triplet excited state of poly(3-octylthiophene). <i>Synthetic Metals</i> , 1999, 101, 177.	2.1	6
526	Exciton coupling in oligothiophenes: A combined experimental/theoretical study. <i>Synthetic Metals</i> , 1999, 102, 912-913.	2.1	8
527	Photoinduced ft-ir spectroscopy of conjugated polymer/fullerene composites embedded into conventional host polymer matrices. <i>Synthetic Metals</i> , 1999, 101, 192-193.	2.1	7
528	Stability studies and degradation analysis of plastic solar cell materials by FTIR spectroscopy. <i>Synthetic Metals</i> , 1999, 102, 1002-1003.	2.1	54
529	CW-Photocurrent measurements of conjugated polymers and fullerenes blended into a conventional polymer matrix. <i>Synthetic Metals</i> , 1999, 102, 1285-1286.	2.1	8
530	Light-induced ESR studies in conjugated polymer-fullerene composites. <i>Synthetic Metals</i> , 1999, 102, 1241-1242.	2.1	12
531	Effect of intrachain order on the chiroptical properties of chiral poly(p-phenylene vinylenes). <i>Synthetic Metals</i> , 1999, 102, 1105-1106.	2.1	12
532	Photoinduced electron transfer from conjugated polymers onto TiO ₂ . <i>Synthetic Metals</i> , 1999, 101, 265-266.	2.1	22
533	Principles of "Majority Rules" and "Sergeants and Soldiers" Applied to the Aggregation of Optically Active Polythiophenes: A Evidence for a Multichain Phenomenon. <i>Macromolecules</i> , 1999, 32, 227-230.	2.2	150
534	Investigation of Exciton Coupling in Oligothiophenes by Circular Dichroism Spectroscopy. <i>Advanced Materials</i> , 1998, 10, 1343-1348.	11.1	119
535	Redox States of Long Oligothiophenes: Two Polarons on a Single Chain. <i>Chemistry - A European Journal</i> , 1998, 4, 1509-1522.	1.7	242
536	A Polystyrene~Oligothiophene~Polystyrene Triblock Copolymer. <i>Journal of the American Chemical Society</i> , 1998, 120, 2798-2804.	6.6	150
537	Resolution and circular dichroism of an asymmetrically cage-opened [60]fullerene derivative. <i>Chemical Communications</i> , 1998, , 281-282.	2.2	20
538	Inversion of Optical Activity of Chiral Polythiophene Aggregates by a Change of Solvent. <i>Macromolecules</i> , 1998, 31, 6702-6704.	2.2	150
539	"Dimers of Prototype High-Spin Polaronic Oligomers. <i>Chemistry of Materials</i> , 1998, 10, 1166-1175.	3.2	52
540	Concerning the Localization of End Groups in Dendrimers. <i>Journal of the American Chemical Society</i> , 1998, 120, 8547-8548.	6.6	71

#	ARTICLE	IF	CITATIONS
541	PHOTOEXCITATIONS IN CONJUGATED OLIGOMERS. , 1998, , 524-558.		1
542	Investigation of Exciton Coupling in Oligothiophenes by Circular Dichroism Spectroscopy. , 1998, 10, 1343.		1
543	Time-resolved microwave measurements of the polarizability of photoexcitons on conjugated polymer chains. , 1997, , .		16
544	High-Spin Cation Radicals of Methylene phosphoranes. Journal of the American Chemical Society, 1997, 119, 5398-5403.	6.6	16
545	Five Generations of Nitroxyl-Functionalized Dendrimers. Macromolecules, 1997, 30, 3606-3611.	2.2	72
546	Circularly Polarized Electroluminescence from a Polymer Light-Emitting Diode. Journal of the American Chemical Society, 1997, 119, 9909-9910.	6.6	438
547	High-Spin Cation Radicals of Meta-Para Aniline Oligomers. Journal of the American Chemical Society, 1997, 119, 4492-4501.	6.6	128
548	Chiroptical properties of poly{2, 5-bis[(S)-2-methylbutoxy]-1, 4-phenylene vinylene}. Advanced Materials, 1997, 9, 493-496.	11.1	54
549	Well-Defined Metallo dendrimers by Site-Specific Complexation. Chemische Berichte, 1997, 130, 725-728.	0.2	61
550	Influence of Chain Length and Derivatization on the Lowest Singlet and Triplet States and Intersystem Crossing in Oligothiophenes. Journal of the American Chemical Society, 1996, 118, 6453-6461.	6.6	237
551	Stable Triplet-State Di(Cation Radicals) of a Meta-Para Aniline Oligomer by "Acid Doping". Journal of the American Chemical Society, 1996, 118, 10626-10628.	6.6	60
552	Circular Dichroism and Circular Polarization of Photoluminescence of Highly Ordered Poly{3,4-di[(S)-2-methylbutoxy]thiophene}. Journal of the American Chemical Society, 1996, 118, 4908-4909.	6.6	279
553	Stable triplet-state di(cation radical)s of a N-phenylaniline oligomer. Chemical Communications, 1996, , 267.	2.2	25
554	Triplet-state phosphinyl diradicals. Chemical Communications, 1996, , 1919.	2.2	6
555	Photoinduced Electron Transfer Between Conjugated Polymers and a Homologous Series of TCNQ Derivatives. Journal De Physique, I, 1996, 6, 2151-2158.	1.2	5
556	Persistent photoinduced electron transfer from functionalized dendrimers to Buckminsterfullerene. Advanced Materials, 1996, 8, 494-497.	11.1	18
557	Polarized photoluminescence of oligothiophenes in nematic liquid crystalline matrices. Advanced Materials, 1996, 8, 651-654.	11.1	37
558	"Dimers of End-Capped Oligopyrrole Cation Radicals. Angewandte Chemie International Edition in English, 1996, 35, 638-640.	4.4	71

#	ARTICLE	IF	CITATIONS
559	Triplet radical pairs of 3-carboxyproxyl encapsulated in a dendritic box. <i>Advanced Materials</i> , 1995, 7, 561-564.	11.1	32
560	Photoinduced electron transfer from π -conjugated polymers onto Buckminsterfullerene, fullerenoids, and methanofullerenes. <i>Journal of Chemical Physics</i> , 1995, 103, 788-793.	1.2	66
561	Triplet-State Phosphoryl Diradicals. <i>The Journal of Physical Chemistry</i> , 1995, 99, 9331-9336.	2.9	6
562	Photoinduced electron transfer reactions in mixed films of π -conjugated polymers and a homologous series of tetracyanoquinodimethane derivatives. <i>Journal of Chemical Physics</i> , 1995, 103, 8840-8845.	1.2	65
563	Triplet-state photoexcitations and triplet-energy transfer in poly(3-alkylthiophene)/C60 solutions. <i>Synthetic Metals</i> , 1995, 70, 1343-1344.	2.1	3
564	Photoinduced absorption spectroscopy of oligothiophene/C60 mixtures in films and solutions. <i>Synthetic Metals</i> , 1995, 70, 1345-1346.	2.1	4
565	Triplet-state phosphoryl biradicals. <i>Synthetic Metals</i> , 1995, 71, 1833-1834.	2.1	3
566	Photoinduced electron transfer processes in oligothiophene/C60 composite films. <i>Journal of Chemical Physics</i> , 1995, 102, 2628-2635.	1.2	62
567	Photochemical Fulleroid to Methanofullerene Conversion via the Di- π -methane (Zimmerman) Rearrangement. <i>Journal of the American Chemical Society</i> , 1995, 117, 544-545.	6.6	111
568	Photoinduced absorption of π -conjugated polymers in solution. <i>Synthetic Metals</i> , 1995, 69, 441-442.	2.1	13
569	Infrared Photoexcitation Spectroscopy of Conducting Polymer and C60 Composites: Direct Evidence of Photo-Induced Electron Transfer. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 256, 739-744.	0.3	4
570	Electron and energy transfer processes of photoexcited oligothiophenes onto tetracyanoethylene and C60. <i>Journal of Chemical Physics</i> , 1994, 101, 9519-9527.	1.2	77
571	Direct evidence of photoinduced electron transfer in conducting-polymer-C60 composites by infrared photoexcitation spectroscopy. <i>Physical Review B</i> , 1994, 49, 5781-5784.	1.1	94
572	Triplet-state photoexcitations of oligothiophene films and solutions. <i>Journal of Chemical Physics</i> , 1994, 101, 1787-1798.	1.2	151
573	Chiroptical Properties of Regioregular Chiral Polythiophenes. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 256, 439-448.	0.3	138
574	Photoinduced absorption of conjugated polymer/C60 solutions: Evidence of triplet-state photoexcitations and triplet-energy transfer in poly(3-alkylthiophene). <i>Journal of Chemical Physics</i> , 1994, 100, 8641-8645.	1.2	48
575	Triplet State Photoexcitations in Frozen Solutions of Oligothiophenes. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 256, 487-492.	0.3	2
576	Electron Transfer and Energy Transfer Reactions in Photoexcited π -Nonathiophene/C ₆₀ Films and Solutions. <i>Molecular Crystals and Liquid Crystals</i> , 1994, 256, 921-926.	0.3	1

#	ARTICLE	IF	CITATIONS
577	Structure of 6. π -electron four-membered rings containing second-row atoms. The Journal of Physical Chemistry, 1993, 97, 6384-6397.	2.9	31
578	Radical cations in mixtures of phosphorus trichloride and dimethyl sulfide. A combined ESR and quantum chemical study. The Journal of Physical Chemistry, 1992, 96, 614-623.	2.9	16
579	Enantioselective inversion of a chiral phosphinyl radical. A single-crystal ESR analysis of x-irradiated bis(2,4,6-tri-tert-butylphenyl)phosphinic chloride. Journal of the American Chemical Society, 1991, 113, 9471-9479.	6.6	13
580	Reactivity in molecular crystals: Radical formation in chiral phosphorus compounds. Heteroatom Chemistry, 1991, 2, 39-43.	0.4	5
581	Radical cations of bis(diphenylphosphino) derivatives (Ph ₂ P-R-PPh ₂): the formation of localized, cyclic, and dimeric configurations; an ESR and quantum chemical study. The Journal of Physical Chemistry, 1991, 95, 9256-9263.	2.9	7
582	Intermolecular-directed reactivity in solid media. Radiogenic formation of phosphorus-centered radicals in chiral diphosphine disulfides studied by ESR. Journal of the American Chemical Society, 1990, 112, 5432-5447.	6.6	8
583	The nature of three-electron P σ^* S bonds studied by ESR. Chemical Physics Letters, 1990, 171, 127-130.	1.2	13
584	Stereochemical Selection in Phosphoranyl Radical Formation Using Ionizing Radiation. Phosphorus, Sulfur and Silicon and the Related Elements, 1990, 51, 288-288.	0.8	0
585	6. π . Aromaticity in four-membered rings. Journal of the American Chemical Society, 1990, 112, 4155-4164.	6.6	95
586	Intermolecular effects on the radiogenic formation of electron-capture phosphorus-centered radicals. A single-crystal ESR study of diastereoisomeric precursors. Journal of the American Chemical Society, 1990, 112, 938-944.	6.6	11
587	A single-crystal ESR study on radicals derived from rac- and meso-1,2-dimethyl-1,2-diphenyldiphosphine disulfide: stereochemical selection in radical formation. Journal of the American Chemical Society, 1988, 110, 6001-6006.	6.6	14
588	A single-crystal ESR and quantum chemical study of electron-capture trialkylphosphine sulfide and selenide radical anions with a three-electron bond. Journal of the American Chemical Society, 1988, 110, 3018-3026.	6.6	11
589	The σ^* and TBP-e radicals obtained by electron capture of four-coordinated phosphorus compounds. A single-crystal ESR study. Journal of the American Chemical Society, 1986, 108, 6145-6149.	6.6	15
590	The SPCl ₂ F- phosphoranyl radical. Chemical Physics Letters, 1986, 132, 459-463.	1.2	5
591	Electron capture phosphoranyl radicals in x-irradiated diphosphine disulfides. A single crystal ESR and ab initio quantum chemical study. Journal of Chemical Physics, 1986, 84, 3694-3708.	1.2	18
592	Ab initio study of isotropic and anisotropic hyperfine interactions in phosphoranyl and phosphorane anion radicals. Computational and Theoretical Chemistry, 1984, 110, 139-153.	1.5	6
593	Structure of C _{3v} phosphoranyl and C _{4v} phosphorane anion radicals. A quantum-chemical study. Journal of the American Chemical Society, 1984, 106, 3429-3437.	6.6	25
594	Material and Device Design for Highly Efficient Organic Solar Cells. , 0, , .		0

#	ARTICLE	IF	CITATIONS
595	The Intrinsic Photoluminescence Spectrum of Perovskite Films. , 0, , .		0