

Martijn Kemerink

List of Publications by Year in descending order

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208
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26630

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30087

103
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211
all docs

211
docs citations

211
times ranked

12364
citing authors

#	ARTICLE	IF	CITATIONS
1	Switching dynamics in organic ferroelectrics. , 2022, , 185-232.		0
2	On the Origin of Seebeck Coefficient Inversion in Highly Doped Conducting Polymers. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	18
3	Design Rules for Polymer Blends with High Thermoelectric Performance. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	13
4	Charge transport in doped conjugated polymers for organic thermoelectrics. <i>Chemical Physics Reviews</i> , 2022, 3, .	5.7	19
5	Can Organic Solar Cells Beat the Near-Equilibrium Thermodynamic Limit?. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 6514-6519.	4.6	2
6	Thermoelectric properties of doped organic semiconductors. , 2021, , 165-197.		4
7	Carrier Mobility Dynamics under Actual Working Conditions of Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2021, 125, 14567-14575.	3.1	3
8	On the concept of an effective temperature Seebeck ratchet. <i>Applied Physics Letters</i> , 2021, 119, 023303.	3.3	1
9	General Rules for the Impact of Energetic Disorder and Mobility on Nongeminate Recombination in Phase-Separated Organic Solar Cells. <i>Physical Review Applied</i> , 2021, 16, .	3.8	8
10	Slow Relaxation of Photogenerated Charge Carriers Boosts Open-Circuit Voltage of Organic Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9874-9881.	4.6	15
11	Organic and hybrid thermoelectrics. <i>Applied Physics Letters</i> , 2021, 119, 260401.	3.3	2
12	Dedoping-induced interfacial instability of poly(ethylene imine)s-treated PEDOT:PSS as a low-work-function electrode. <i>Journal of Materials Chemistry C</i> , 2020, 8, 328-336.	5.5	19
13	Rubbing and Drawing: Generic Ways to Improve the Thermoelectric Power Factor of Organic Semiconductors?. <i>Advanced Electronic Materials</i> , 2020, 6, 2000218.	5.1	25
14	High Thermoelectric Power Factor of Poly(3-hexylthiophene) through In-Plane Alignment and Doping with a Molybdenum Dithiolene Complex. <i>Macromolecules</i> , 2020, 53, 6314-6321.	4.8	39
15	Enhancing Open-Circuit Voltage in Gradient Organic Solar Cells by Rectifying Thermalization Losses. <i>Solar Rrl</i> , 2020, 4, 2000400.	5.8	7
16	Microscopic model for switching kinetics in organic ferroelectrics following the Merz law. <i>Physical Review B</i> , 2020, 101, .	3.2	6
17	Ground-state electron transfer in all-polymer donor-acceptor heterojunctions. <i>Nature Materials</i> , 2020, 19, 738-744.	27.5	111
18	Buildup of Triplet-State Population in Operating TQ1:PC ₇₁ BM Devices Does Not Limit Their Performance. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2838-2845.	4.6	30

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19	Non-Wiedemann-Franz behavior of the thermal conductivity of organic semiconductors. <i>Physical Review B</i> , 2020, 101, .	3.2	26
20	Scalable Electronic Ratchet with Over 10% Rectification Efficiency. <i>Advanced Science</i> , 2020, 7, 1902428.	11.2	3
21	Experimentally Calibrated Kinetic Monte Carlo Model Reproduces Organic Solar Cell Current-Voltage Curve. <i>Solar Rrl</i> , 2020, 4, 2000029.	5.8	17
22	The Role of Delocalization and Excess Energy in the Quantum Efficiency of Organic Solar Cells and the Validity of Optical Reciprocity Relations. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3563-3570.	4.6	17
23	Nonequilibrium site distribution governs charge-transfer electroluminescence at disordered organic heterointerfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23416-23425.	7.1	29
24	Conjugated Polymer Blends for Organic Thermoelectrics. <i>Advanced Electronic Materials</i> , 2019, 5, 1800821.	5.1	59
25	Impact of Singly Occupied Molecular Orbital Energy on the n-Doping Efficiency of Benzimidazole Derivatives. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 37981-37990.	8.0	32
26	Kinetic Monte Carlo simulations of organic ferroelectrics. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1375-1383.	2.8	15
27	Suppressing depolarization by tail substitution in an organic supramolecular ferroelectric. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2069-2079.	2.8	25
28	Resistive switching in an organic supramolecular semiconducting ferroelectric. <i>Chemical Communications</i> , 2019, 55, 8828-8831.	4.1	22
29	Negative piezoelectric effect in an organic supramolecular ferroelectric. <i>Materials Horizons</i> , 2019, 6, 1688-1698.	12.2	25
30	General rule for the energy of water-induced traps in organic semiconductors. <i>Nature Materials</i> , 2019, 18, 588-593.	27.5	97
31	Equilibrated Charge Carrier Populations Govern Steady-State Nongeminate Recombination in Disordered Organic Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1374-1381.	4.6	18
32	Photogenerated Charge Transport in Organic Electronic Materials: Experiments Confirmed by Simulations. <i>Advanced Materials</i> , 2019, 31, e1806004.	21.0	30
33	Pulsed Terahertz Emission from Solution-Processed Lead Iodide Perovskite Films. <i>ACS Photonics</i> , 2019, 6, 1175-1181.	6.6	21
34	Experimentally Validated Hopping-Transport Model for Energetically Disordered Organic Semiconductors. <i>Physical Review Applied</i> , 2019, 12, .	3.8	28
35	Enhanced Thermoelectric Power Factor of Tensile Drawn Poly(3-hexylthiophene). <i>ACS Macro Letters</i> , 2019, 8, 70-76.	4.8	56
36	Double doping of conjugated polymers with monomer molecular dopants. <i>Nature Materials</i> , 2019, 18, 149-155.	27.5	225

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37	Correction to Design Rule for Improved Open-Circuit Voltage in Binary and Ternary Organic Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 8391-8391.	8.0	0
38	Morphology Determines Conductivity and Seebeck Coefficient in Conjugated Polymer Blends. ACS Applied Materials & Interfaces, 2018, 10, 9638-9644.	8.0	26
39	Asymmetric photocurrent extraction in semitransparent laminated flexible organic solar cells. Npj Flexible Electronics, 2018, 2, .	10.7	53
40	High Seebeck Coefficient and Power Factor in n-type Organic Thermoelectrics. Advanced Electronic Materials, 2018, 4, 1700501.	5.1	64
41	Thermal annealing reduces geminate recombination in TQ1:N2200 all-polymer solar cells. Journal of Materials Chemistry A, 2018, 6, 7428-7438.	10.3	45
42	High thermoelectric power factor from multilayer solution-processed organic films. Applied Physics Letters, 2018, 112, .	3.3	23
43	High Seebeck Coefficient in Mixtures of Conjugated Polymers. Advanced Functional Materials, 2018, 28, 1703280.	14.9	73
44	Comment on "Charge Carrier Extraction in Organic Solar Cells Governed by Steady-State Mobilities". Advanced Energy Materials, 2018, 8, 1800419.	19.5	11
45	Physical reality of the Preisach model for organic ferroelectrics. Nature Communications, 2018, 9, 4409.	12.8	18
46	Dead Ends Limit Charge Carrier Extraction from All-Polymer Bulk Heterojunction Solar Cells. Advanced Electronic Materials, 2018, 4, 1800144.	5.1	11
47	Automated open-source software for charge transport analysis in single-carrier organic semiconductor diodes. Organic Electronics, 2018, 61, 318-328.	2.6	30
48	Study of the morphology of organic ferroelectric diodes with combined scanning force and scanning transmission X-ray microscopy. Organic Electronics, 2018, 53, 242-248.	2.6	5
49	Photogenerated Carrier Mobility Significantly Exceeds Injected Carrier Mobility in Organic Solar Cells. Advanced Energy Materials, 2017, 7, 1602143.	19.5	74
50	Ferroelectric switching and electrochemistry of pyrrole substituted trialkylbenzene-1,3,5-tricarboxamides. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 673-683.	2.1	13
51	Tuning the Ferroelectric Properties of Trialkylbenzene-1,3,5-tricarboxamide (BTA). Advanced Electronic Materials, 2017, 3, 1600530.	5.1	41
52	Molecular Doping and Trap Filling in Organic Semiconductor Host-Guest Systems. Journal of Physical Chemistry C, 2017, 121, 7767-7775.	3.1	73
53	Polarization loss in the organic ferroelectric trialkylbenzene-1,3,5-tricarboxamide (BTA). Physical Chemistry Chemical Physics, 2017, 19, 3192-3200.	2.8	16
54	Ferroelectric self-assembled molecular materials showing both rectifying and switchable conductivity. Science Advances, 2017, 3, e1701017.	10.3	57

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55	Design Rule for Improved Open-Circuit Voltage in Binary and Ternary Organic Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 37070-37077.	8.0	30
56	Design rules for light-emitting electrochemical cells delivering bright luminance at 27.5 percent external quantum efficiency. Nature Communications, 2017, 8, 1190.	12.8	117
57	Enhanced Electrical Conductivity of Molecularly p-Doped Poly(3-hexylthiophene) through Understanding the Correlation with Solid-State Order. Macromolecules, 2017, 50, 8140-8148.	4.8	135
58	Charge Transport in Pure and Mixed Phases in Organic Solar Cells. Advanced Energy Materials, 2017, 7, 1700888.	19.5	54
59	Light-Emitting Electrochemical Cells: Mechanisms and Formal Description. , 2017, , 3-45.		8
60	Investigation of the dimensionality of charge transport in organic field effect transistors. Physical Review B, 2017, 95, .	3.2	14
61	Range and energetics of charge hopping in organic semiconductors. Physical Review B, 2017, 96, .	3.2	49
62	A Versatile Method for the Preparation of Ferroelectric Supramolecular Materials via Radical End-Functionalization of Vinylidene Fluoride Oligomers. Journal of the American Chemical Society, 2016, 138, 6217-6223.	13.7	35
63	True ferroelectric switching in thin films of trialkylbenzene-1,3,5-tricarboxamide (BTA). Physical Chemistry Chemical Physics, 2016, 18, 23663-23672.	2.8	34
64	Piezoelectricity enhancement of P(VDF/TrFE) by X-ray irradiation. Organic Electronics, 2016, 37, 257-262.	2.6	5
65	Nonequilibrium drift-diffusion model for organic semiconductor devices. Physical Review B, 2016, 94, .	3.2	24
66	Impact of doping on the density of states and the mobility in organic semiconductors. Physical Review B, 2016, 93, .	3.2	79
67	Two-dimensional charge transport in molecularly ordered polymer field-effect transistors. Journal of Materials Chemistry C, 2016, 4, 11135-11142.	5.5	22
68	Pulse-modulated multilevel data storage in an organic ferroelectric resistive memory diode. Scientific Reports, 2016, 6, 24407.	3.3	37
69	Switchable Charge Injection Barrier in an Organic Supramolecular Semiconductor. ACS Applied Materials & Interfaces, 2016, 8, 15535-15542.	8.0	21
70	Data retention in organic ferroelectric resistive switches. Organic Electronics, 2016, 31, 56-62.	2.6	15
71	Open circuit voltage and efficiency in ternary organic photovoltaic blends. Energy and Environmental Science, 2016, 9, 257-266.	30.8	85
72	Effective Temperature and Universal Conductivity Scaling in Organic Semiconductors. Scientific Reports, 2015, 5, 16870.	3.3	17

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73	Morphology reconstruction of nanoscale phase separation in polymer memory blends. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1231-1237.	2.1	12
74	Microstructured organic ferroelectric thin film capacitors by solution micromolding. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 2124-2132.	1.8	13
75	Surface Directed Phase Separation of Semiconductor Ferroelectric Polymer Blends and their Use in Non-Volatile Memories. Advanced Functional Materials, 2015, 25, 278-286.	14.9	44
76	Fundamental Tradeoff between Emission Intensity and Efficiency in Light-Emitting Electrochemical Cells. Advanced Functional Materials, 2015, 25, 3066-3073.	14.9	67
77	Modeling Anomalous Hysteresis in Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2015, 6, 3808-3814.	4.6	581
78	Photo-generated carriers lose energy during extraction from polymer-fullerene solar cells. Nature Communications, 2015, 6, 8778.	12.8	100
79	Scanning tunnelling microscopy on organic field-effect transistors based on intrinsic pentacene. Applied Physics Letters, 2014, 104, 263301.	3.3	3
80	Fundamental Limitations for Electroluminescence in Organic Dual-Gate Field-Effect Transistors. Advanced Materials, 2014, 26, 4450-4455.	21.0	14
81	Spectroscopic evidence for trap-dominated magnetic field effects in organic semiconductors. Physical Review B, 2014, 90, .	3.2	16
82	Nonequilibrium Charge Dynamics in Organic Solar Cells. Advanced Energy Materials, 2014, 4, 1301743.	19.5	50
83	Explaining the effects of processing on the electrical properties of PEDOT:PSS. Organic Electronics, 2014, 15, 3710-3714.	2.6	23
84	Crossbar arrays of nonvolatile, rewritable polymer ferroelectric diode memories on plastic substrates. Applied Physics Express, 2014, 7, 031602.	2.4	29
85	Contactless charge carrier mobility measurement in organic field-effect transistors. Organic Electronics, 2014, 15, 2855-2861.	2.6	2
86	Nanoscale Organic Ferroelectric Resistive Switches. Journal of Physical Chemistry C, 2014, 118, 3305-3312.	3.1	42
87	Correcting for contact geometry in Seebeck coefficient measurements of thin film devices. Organic Electronics, 2014, 15, 2250-2255.	2.6	62
88	Dispersion-Dominated Photocurrent in Polymer:Fullerene Solar Cells. Advanced Functional Materials, 2014, 24, 4507-4514.	14.9	61
89	Photoluminescence quenching in films of conjugated polymers by electrochemical doping. Physical Review B, 2014, 89, .	3.2	40
90	Origin of Work Function Modification by Ionic and Amine-Based Interface Layers. Advanced Materials Interfaces, 2014, 1, 1400189.	3.7	121

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91	Dynamic Doping in Planar Ionic Transition Metal Complex-Based Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2013, 23, 3531-3538.	14.9	75
92	Tuning organic magnetoresistance in polymer-fullerene blends by controlling spin reaction pathways. <i>Nature Communications</i> , 2013, 4, 2286.	12.8	105
93	Light Emission in the Unipolar Regime of Ambipolar Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2013, 23, 4133-4139.	14.9	26
94	Quasi-One Dimensional in-Plane Conductivity in Filamentary Films of PEDOT:PSS. <i>Advanced Functional Materials</i> , 2013, 23, 5778-5786.	14.9	47
95	Multi-bit organic ferroelectric memory. <i>Organic Electronics</i> , 2013, 14, 3399-3405.	2.6	25
96	Large magnetic field effects in electrochemically doped organic light-emitting diodes. <i>Physical Review B</i> , 2013, 88, .	3.2	24
97	The influence of device physics on organic magnetoresistance. <i>Synthetic Metals</i> , 2013, 173, 10-15.	3.9	7
98	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.	3.1	10
99	The Curious Out-of-Plane Conductivity of PEDOT:PSS. <i>Advanced Functional Materials</i> , 2013, 23, 5787-5793.	14.9	28
100	Universal Transients in Polymer and Ionic Transition Metal Complex Light-Emitting Electrochemical Cells. <i>Journal of the American Chemical Society</i> , 2013, 135, 886-891.	13.7	74
101	Diffusion enhancement in on/off ratchets. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	7
102	Evidence for space-charge-limited conduction in organic photovoltaic cells at open-circuit conditions. <i>Physical Review B</i> , 2013, 87, .	3.2	17
103	The Application of X-Rays in Radiology: From Difficult and Dangerous to Simple and Safe. <i>American Journal of Roentgenology</i> , 2012, 198, 754-759.	2.2	6
104	Scanning probes for new energy materials: Probing local structure and function. <i>MRS Bulletin</i> , 2012, 37, 633-637.	3.5	20
105	Scaling of characteristic frequencies of organic electronic ratchets. <i>Physical Review B</i> , 2012, 85, .	3.2	6
106	Localizing trapped charge carriers in NO ₂ sensors based on organic field-effect transistors. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	19
107	High-efficiency dielectrophoretic ratchet. <i>Physical Review E</i> , 2012, 86, 041106.	2.1	13
108	The performance of organic electronic ratchets. <i>AIP Advances</i> , 2012, 2, .	1.3	7

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109	Charge transport in amorphous InGaZnO thin-film transistors. <i>Physical Review B</i> , 2012, 86, .	3.2	73
110	Programmable polymer light emitting transistors with ferroelectric polarization-enhanced channel current and light emission. <i>Organic Electronics</i> , 2012, 13, 1742-1749.	2.6	3
111	Polar Switching in Trialkylbenzene-1,3,5-tricarboxamides. <i>Journal of Physical Chemistry B</i> , 2012, 116, 3928-3937.	2.6	83
112	Dimensionality of charge transport in organic field-effect transistors. <i>Physical Review B</i> , 2012, 85, .	3.2	42
113	Unusual Thermoelectric Behavior Indicating a Hopping to Bandlike Transport Transition in Pentacene. <i>Physical Review Letters</i> , 2012, 109, 016601.	7.8	85
114	Accurate description of charge transport in organic field effect transistors using an experimentally extracted density of states. <i>Physical Review B</i> , 2012, 85, .	3.2	36
115	Charge Trapping by Self-Assembled Monolayers as the Origin of the Threshold Voltage Shift in Organic Field-Effect Transistors. <i>Small</i> , 2012, 8, 241-245.	10.0	61
116	Mechanism for Efficient Photoinduced Charge Separation at Disordered Organic Heterointerfaces. <i>Advanced Functional Materials</i> , 2012, 22, 2700-2708.	14.9	98
117	Dynamic Processes in Sandwich Polymer Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2012, 22, 4547-4556.	14.9	58
118	The operational mechanism of ferroelectric-driven organic resistive switches. <i>Organic Electronics</i> , 2012, 13, 147-152.	2.6	37
119	Operational Stability of Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2012, 24, 1146-1158.	21.0	213
120	Spin in organics: a new route to spintronics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 3602-3616.	3.4	30
121	Solution Processing of Semiconducting Organic Molecules for Tailored Charge Transport Properties. <i>Journal of Physical Chemistry C</i> , 2011, 115, 11758-11762.	3.1	50
122	On the role of minority carriers in the frequency dependence of organic magnetoresistance. <i>Synthetic Metals</i> , 2011, 161, 617-621.	3.9	7
123	Organic electronic ratchets doing work. <i>Nature Materials</i> , 2011, 10, 51-55.	27.5	60
124	Doping dynamics in light-emitting electrochemical cells. <i>Organic Electronics</i> , 2011, 12, 1746-1753.	2.6	37
125	Organic ferroelectric opto-electronic memories. <i>Materials Today</i> , 2011, 14, 592-599.	14.2	92
126	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.	14.9	86

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127	Salt Concentration Effects in Planar Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2011, 21, 1795-1802.	14.9	70
128	Quantifying Bimolecular Recombination Losses in Organic Bulk Heterojunction Solar Cells. <i>Advanced Materials</i> , 2011, 23, 1670-1674.	21.0	328
129	Characteristics of a First-Generation X-Ray System. <i>Radiology</i> , 2011, 259, 534-539.	7.3	12
130	First-Generation X-Ray System. <i>Radiology</i> , 2011, 260, 611-612.	7.3	2
131	Effect of Coulomb scattering from trapped charges on the mobility in an organic field-effect transistor. <i>Physical Review B</i> , 2011, 83, .	3.2	17
132	Fast ambipolar integrated circuits with poly(diketopyrrolopyrrole-terthiophene). <i>Applied Physics Letters</i> , 2011, 98, .	3.3	43
133	Revealing Buried Interfaces to Understand the Origins of Threshold Voltage Shifts in Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2010, 22, 5105-5109.	21.0	101
134	Frequency dependence of organic magnetoresistance. <i>Applied Physics Letters</i> , 2010, 97, 123301.	3.3	19
135	Anomalous current transients in organic field-effect transistors. <i>Applied Physics Letters</i> , 2010, 96, 103306.	3.3	25
136	Connecting Scanning Tunneling Spectroscopy to Device Performance for Polymer:Fullerene Organic Solar Cells. <i>ACS Nano</i> , 2010, 4, 1385-1392.	14.6	22
137	Monolayer dual gate transistors with a single charge transport layer. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	20
138	Large Electrically Induced Height and Volume Changes in Poly(3,4-ethylenedioxythiophene)/Poly(styrenesulfonate) Thin Films. <i>Chemistry of Materials</i> , 2010, 22, 3670-3677.	6.7	12
139	Remnant Polarization in Thin Films from a Columnar Liquid Crystal. <i>Journal of the American Chemical Society</i> , 2010, 132, 6892-6893.	13.7	115
140	A Unifying Model for the Operation of Light-Emitting Electrochemical Cells. <i>Journal of the American Chemical Society</i> , 2010, 132, 13776-13781.	13.7	232
141	Bias stress effect and recovery in organic field effect transistors: proton migration mechanism. <i>Proceedings of SPIE</i> , 2010, , .	0.8	0
142	Proton migration mechanism for operational instabilities in organic field-effect transistors. <i>Physical Review B</i> , 2010, 82, .	3.2	48
143	Local Charge Trapping in Conjugated Polymers Resolved by Scanning Kelvin Probe Microscopy. <i>Physical Review Letters</i> , 2009, 103, 256803.	7.8	61
144	Temperature- and density-dependent channel potentials in high-mobility organic field-effect transistors. <i>Physical Review B</i> , 2009, 80, .	3.2	18

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145	Proton migration mechanism for the instability of organic field-effect transistors. Applied Physics Letters, 2009, 95, 253305.	3.3	52
146	Scanning Kelvin Probe Microscopy on Bulk Heterojunction Polymer Blends. Advanced Functional Materials, 2009, 19, 1379-1386.	14.9	103
147	The dynamic organic p-n junction. Nature Materials, 2009, 8, 672-676.	27.5	298
148	Monolayer coverage and channel length set the mobility in self-assembled monolayer field-effect transistors. Nature Nanotechnology, 2009, 4, 674-680.	31.5	121
149	Bimolecular recombination in ambipolar organic field effect transistors. Organic Electronics, 2009, 10, 994-997.	2.6	19
150	Intensive Chiroptical Properties of Chiral Polyfluorenes Associated with Fibril Formation. Journal of Physical Chemistry B, 2009, 113, 14047-14051.	2.6	21
151	Sign Inversion of Magnetoresistance in Space-Charge Limited Organic Devices. Physical Review Letters, 2009, 103, 066601.	7.8	54
152	Morphological Device Model for Organic Bulk Heterojunction Solar Cells. Nano Letters, 2009, 9, 3032-3037.	9.1	120
153	A Morphological Model for the Solvent-Enhanced Conductivity of PEDOT:PSS Thin Films. Advanced Functional Materials, 2008, 18, 865-871.	14.9	333
154	Charge Trapping at the Dielectric of Organic Transistors Visualized in Real Time and Space. Advanced Materials, 2008, 20, 975-979.	21.0	141
155	Manipulating the Local Light Emission in Organic Light-Emitting Diodes by using Patterned Self-Assembled Monolayers. Advanced Materials, 2008, 20, 2703-2706.	21.0	26
156	Conductivity, work function, and environmental stability of PEDOT:PSS thin films treated with sorbitol. Organic Electronics, 2008, 9, 727-734.	2.6	609
157	Bottom-up organic integrated circuits. Nature, 2008, 455, 956-959.	27.8	366
158	Real versus Measured Surface Potentials in Scanning Kelvin Probe Microscopy. ACS Nano, 2008, 2, 622-626.	14.6	116
159	Correspondence of the sign change in organic magnetoresistance with the onset of bipolar charge transport. Applied Physics Letters, 2008, 93, 263302.	3.3	39
160	Photoluminescence enhancement in thin films of PbSe nanocrystals. Applied Physics Letters, 2008, 93, .	3.3	11
161	On the width of the recombination zone in ambipolar organic field effect transistors. Applied Physics Letters, 2008, 93, .	3.3	32
162	Anisotropic hopping conduction in spin-coated PEDOT:PSS thin films. Physical Review B, 2007, 76, .	3.2	193

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163	Separating Positive and Negative Magnetoresistance in Organic Semiconductor Devices. <i>Physical Review Letters</i> , 2007, 99, 257201.	7.8	204
164	Scanning Kelvin probe microscopy on organic field-effect transistors during gate bias stress. <i>Applied Physics Letters</i> , 2007, 90, 192104.	3.3	35
165	Microscopic Understanding of the Anisotropic Conductivity of PEDOT:PSS Thin Films. <i>Advanced Materials</i> , 2007, 19, 1196-1200.	21.0	482
166	The Optimal Structure-Conductivity Relation in Epoxy-Phthalocyanine Nanocomposites. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23115-23122.	2.6	12
167	Control of Film Morphology by Folding Hydrogen-Bonded Oligo(p-phenylenevinylene) Polymers in Solution. <i>Macromolecules</i> , 2006, 39, 784-788.	4.8	27
168	Temperature-dependent built-in potential in organic semiconductor devices. <i>Applied Physics Letters</i> , 2006, 88, 192108.	3.3	63
169	Influence of the characteristics of the STM-tip on the electroluminescence spectra. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2005, 27, 13-20.	2.7	0
170	Universality of ac conduction for generalized space-charge transport in ordered solids. <i>Physical Review B</i> , 2005, 72, .	3.2	8
171	Field and temperature dependence of the photocurrent in polymer/fullerene bulk heterojunction solar cells. <i>Applied Physics Letters</i> , 2005, 87, 122104.	3.3	44
172	Substitution and Preparation Effects on the Molecular-Scale Morphology of PPV Films. <i>Macromolecules</i> , 2005, 38, 7784-7792.	4.8	29
173	Negative capacitances in low-mobility solids. <i>Physical Review B</i> , 2005, 72, .	3.2	87
174	Hybrid Zinc Oxide Conjugated Polymer Bulk Heterojunction Solar Cells. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9505-9516.	2.6	842
175	Charge transport and trapping in Cs-doped poly(dialkoxy-p-phenylene vinylene) light-emitting diodes. <i>Physical Review B</i> , 2004, 69, .	3.2	60
176	Electroluminescence spectra of an STM-tip-induced quantum dot. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 21, 270-274.	2.7	1
177	Morphology and conductivity of PEDOT/PSS films studied by scanning tunneling microscopy. <i>Chemical Physics Letters</i> , 2004, 394, 339-343.	2.6	245
178	Scanning tunneling spectroscopy on organic semiconductors: Experiment and model. <i>Physical Review B</i> , 2004, 70, .	3.2	38
179	Three-Dimensional Inhomogeneities in PEDOT:PSS Films. <i>Journal of Physical Chemistry B</i> , 2004, 108, 18820-18825.	2.6	178
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