## Martijn Kemerink

List of Publications by Year in descending order

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208 papers

11,998 citations

56 h-index 30087 103 g-index

211 all docs

211 docs citations

times ranked

211

12364 citing authors

#	Article	IF	Citations
1	Hybrid Zinc Oxide Conjugated Polymer Bulk Heterojunction Solar Cells. Journal of Physical Chemistry B, 2005, 109, 9505-9516.	2.6	842
2	Conductivity, work function, and environmental stability of PEDOT:PSS thin films treated with sorbitol. Organic Electronics, 2008, 9, 727-734.	2.6	609
3	Modeling Anomalous Hysteresis in Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2015, 6, 3808-3814.	4.6	581
4	Microscopic Understanding of the Anisotropic Conductivity of PEDOT:PSS Thin Films. Advanced Materials, 2007, 19, 1196-1200.	21.0	482
5	Bottom-up organic integrated circuits. Nature, 2008, 455, 956-959.	27.8	366
6	A Morphological Model for the Solventâ€Enhanced Conductivity of PEDOT:PSS Thin Films. Advanced Functional Materials, 2008, 18, 865-871.	14.9	333
7	Quantifying Bimolecular Recombination Losses in Organic Bulk Heterojunction Solar Cells. Advanced Materials, 2011, 23, 1670-1674.	21.0	328
8	The dynamic organic p–n junction. Nature Materials, 2009, 8, 672-676.	27.5	298
9	Morphology and conductivity of PEDOT/PSS films studied by scanning–tunneling microscopy. Chemical Physics Letters, 2004, 394, 339-343.	2.6	245
10	A Unifying Model for the Operation of Light-Emitting Electrochemical Cells. Journal of the American Chemical Society, 2010, 132, 13776-13781.	13.7	232
11	Double doping of conjugated polymers with monomer molecular dopants. Nature Materials, 2019, 18, 149-155.	27.5	225
12	Operational Stability of Organic Fieldâ€Effect Transistors. Advanced Materials, 2012, 24, 1146-1158.	21.0	213
13	Separating Positive and Negative Magnetoresistance in Organic Semiconductor Devices. Physical Review Letters, 2007, 99, 257201.	7.8	204
14	Anisotropic hopping conduction in spin-coated PEDOT:PSS thin films. Physical Review B, 2007, 76, .	3.2	193
15	Three-Dimensional Inhomogeneities in PEDOT:PSS Films. Journal of Physical Chemistry B, 2004, 108, 18820-18825.	2.6	178
16	Charge Trapping at the Dielectric of Organic Transistors Visualized in Real Time and Space. Advanced Materials, 2008, 20, 975-979.	21.0	141
17	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
18	Monolayer coverage and channel length set the mobility in self-assembled monolayer field-effect transistors. Nature Nanotechnology, 2009, 4, 674-680.	31.5	121

#	Article	IF	CITATIONS
19	Origin of Work Function Modification by Ionic and Amineâ€Based Interface Layers. Advanced Materials Interfaces, 2014, 1, 1400189.	3.7	121
20	Morphological Device Model for Organic Bulk Heterojunction Solar Cells. Nano Letters, 2009, 9, 3032-3037.	9.1	120
21	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
22	Real <i>versus</i> Measured Surface Potentials in Scanning Kelvin Probe Microscopy. ACS Nano, 2008, 2, 622-626.	14.6	116
23	Remnant Polarization in Thin Films from a Columnar Liquid Crystal. Journal of the American Chemical Society, 2010, 132, 6892-6893.	13.7	115
24	Ground-state electron transfer in all-polymer donor–acceptor heterojunctions. Nature Materials, 2020, 19, 738-744.	27.5	111
25	Tuning organic magnetoresistance in polymer-fullerene blends by controlling spin reaction pathways. Nature Communications, 2013, 4, 2286.	12.8	105
26	Scanning Kelvin Probe Microscopy on Bulk Heterojunction Polymer Blends. Advanced Functional Materials, 2009, 19, 1379-1386.	14.9	103
27	Revealing Buried Interfaces to Understand the Origins of Threshold Voltage Shifts in Organic Fieldâ€Effect Transistors. Advanced Materials, 2010, 22, 5105-5109.	21.0	101
28	Scaling of the Coulomb Energy Due to Quantum Fluctuations in the Charge on a Quantum Dot. Physical Review Letters, 1995, 75, 4282-4285.	7.8	100
29	Photo-generated carriers lose energy during extraction from polymer-fullerene solar cells. Nature Communications, 2015, 6, 8778.	12.8	100
30	Mechanism for Efficient Photoinduced Charge Separation at Disordered Organic Heterointerfaces. Advanced Functional Materials, 2012, 22, 2700-2708.	14.9	98
31	General rule for the energy of water-induced traps in organic semiconductors. Nature Materials, 2019, 18, 588-593.	27.5	97
32	Organic ferroelectric opto-electronic memories. Materials Today, 2011, 14, 592-599.	14.2	92
33	Negative capacitances in low-mobility solids. Physical Review B, 2005, 72, .	3.2	87
34	Description of the Morphology Dependent Charge Transport and Performance of Polymer:Fullerene Bulk Heterojunction Solar Cells. Advanced Functional Materials, 2011, 21, 261-269.	14.9	86
35	Unusual Thermoelectric Behavior Indicating a Hopping to Bandlike Transport Transition in Pentacene. Physical Review Letters, 2012, 109, 016601.	7.8	85
36	Open circuit voltage and efficiency in ternary organic photovoltaic blends. Energy and Environmental Science, 2016, 9, 257-266.	30.8	85

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37	Polar Switching in Trialkylbenzene-1,3,5-tricarboxamides. Journal of Physical Chemistry B, 2012, 116, 3928-3937.	2.6	83
38	Impact of doping on the density of states and the mobility in organic semiconductors. Physical Review B, 2016, 93, .	3.2	79
39	Stochastic Coulomb blockade in a double quantum dot. Applied Physics Letters, 1994, 65, 1012-1014.	3.3	76
40	Dynamic Doping in Planar Ionic Transition Metal Complexâ€Based Lightâ€Emitting Electrochemical Cells. Advanced Functional Materials, 2013, 23, 3531-3538.	14.9	75
41	Universal Transients in Polymer and Ionic Transition Metal Complex Light-Emitting Electrochemical Cells. Journal of the American Chemical Society, 2013, 135, 886-891.	13.7	74
42	Photogenerated Carrier Mobility Significantly Exceeds Injected Carrier Mobility in Organic Solar Cells. Advanced Energy Materials, 2017, 7, 1602143.	19.5	74
43	Charge transport in amorphous InGaZnO thin-film transistors. Physical Review B, 2012, 86, .	3.2	73
44	Molecular Doping and Trap Filling in Organic Semiconductor Host–Guest Systems. Journal of Physical Chemistry C, 2017, 121, 7767-7775.	3.1	73
45	High Seebeck Coefficient in Mixtures of Conjugated Polymers. Advanced Functional Materials, 2018, 28, 1703280.	14.9	73
46	Salt Concentration Effects in Planar Lightâ€Emitting Electrochemical Cells. Advanced Functional Materials, 2011, 21, 1795-1802.	14.9	70
47	Fundamental Tradeoff between Emission Intensity and Efficiency in Lightâ€Emitting Electrochemical Cells. Advanced Functional Materials, 2015, 25, 3066-3073.	14.9	67
48	High Seebeck Coefficient and Power Factor in n‶ype Organic Thermoelectrics. Advanced Electronic Materials, 2018, 4, 1700501.	5.1	64
49	Temperature-dependent built-in potential in organic semiconductor devices. Applied Physics Letters, 2006, 88, 192108.	3.3	63
50	Correcting for contact geometry in Seebeck coefficient measurements of thin film devices. Organic Electronics, 2014, 15, 2250-2255.	2.6	62
51	Local Charge Trapping in Conjugated Polymers Resolved by Scanning Kelvin Probe Microscopy. Physical Review Letters, 2009, 103, 256803.	7.8	61
52	Charge Trapping by Selfâ€Assembled Monolayers as the Origin of the Threshold Voltage Shift in Organic Fieldâ€Effect Transistors. Small, 2012, 8, 241-245.	10.0	61
53	Dispersionâ€Dominated Photocurrent in Polymer:Fullerene Solar Cells. Advanced Functional Materials, 2014, 24, 4507-4514.	14.9	61
54	Charge transport and trapping in Cs-doped poly(dialkoxy-p-phenylene vinylene) light-emitting diodes. Physical Review B, 2004, 69, .	3.2	60

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55	Organic electronic ratchets doing work. Nature Materials, 2011, 10, 51-55.	27.5	60
56	Conjugated Polymer Blends for Organic Thermoelectrics. Advanced Electronic Materials, 2019, 5, 1800821.	5.1	59
57	Dynamic Processes in Sandwich Polymer Lightâ€Emitting Electrochemical Cells. Advanced Functional Materials, 2012, 22, 4547-4556.	14.9	58
58	Ferroelectric self-assembled molecular materials showing both rectifying and switchable conductivity. Science Advances, 2017, 3, e1701017.	10.3	57
59	Enhanced Thermoelectric Power Factor of Tensile Drawn Poly(3-hexylthiophene). ACS Macro Letters, 2019, 8, 70-76.	4.8	56
60	Sign Inversion of Magnetoresistance in Space-Charge Limited Organic Devices. Physical Review Letters, 2009, 103, 066601.	7.8	54
61	Charge Transport in Pure and Mixed Phases in Organic Solar Cells. Advanced Energy Materials, 2017, 7, 1700888.	19.5	54
62	Asymmetric photocurrent extraction in semitransparent laminated flexible organic solar cells. Npj Flexible Electronics, $2018, 2, .$	10.7	53
63	Proton migration mechanism for the instability of organic field-effect transistors. Applied Physics Letters, 2009, 95, 253305.	3.3	52
64	Solution Processing of Semiconducting Organic Molecules for Tailored Charge Transport Properties. Journal of Physical Chemistry C, 2011, 115, 11758-11762.	3.1	50
65	Nonequilibrium Charge Dynamics in Organic Solar Cells. Advanced Energy Materials, 2014, 4, 1301743.	19.5	50
66	Relating Substitution to Single-Chain Conformation and Aggregation in Poly(p-phenylene Vinylene) Films. Nano Letters, 2003, 3, 1191-1196.	9.1	49
67	Range and energetics of charge hopping in organic semiconductors. Physical Review B, 2017, 96, .	3.2	49
68	Proton migration mechanism for operational instabilities in organic field-effect transistors. Physical Review B, 2010, 82, .	3.2	48
69	Quasiâ€One Dimensional inâ€Plane Conductivity in Filamentary Films of PEDOT:PSS. Advanced Functional Materials, 2013, 23, 5778-5786.	14.9	47
70	Thermal annealing reduces geminate recombination in TQ1:N2200 all-polymer solar cells. Journal of Materials Chemistry A, 2018, 6, 7428-7438.	10.3	45
71	Field and temperature dependence of the photocurrent in polymer/fullerene bulk heterojunction solar cells. Applied Physics Letters, 2005, 87, 122104.	3.3	44
72	Surface Directed Phase Separation of Semiconductor Ferroelectric Polymer Blends and their Use in Nonâ€Volatile Memories. Advanced Functional Materials, 2015, 25, 278-286.	14.9	44

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73	Fast ambipolar integrated circuits with poly(diketopyrrolopyrrole- terthiophene). Applied Physics Letters, 2011, 98, .	3.3	43
74	Dimensionality of charge transport in organic field-effect transistors. Physical Review B, 2012, 85, .	3.2	42
75	Nanoscale Organic Ferroelectric Resistive Switches. Journal of Physical Chemistry C, 2014, 118, 3305-3312.	3.1	42
76	Tuning the Ferroelectric Properties of Trialkylbenzeneâ€1,3,5â€tricarboxamide (BTA). Advanced Electronic Materials, 2017, 3, 1600530.	5.1	41
77	Photoluminescence quenching in films of conjugated polymers by electrochemical doping. Physical Review B, 2014, 89, .	3.2	40
78	Correspondence of the sign change in organic magnetoresistance with the onset of bipolar charge transport. Applied Physics Letters, 2008, 93, 263302.	3.3	39
79	High Thermoelectric Power Factor of Poly(3-hexylthiophene) through In-Plane Alignment and Doping with a Molybdenum Dithiolene Complex. Macromolecules, 2020, 53, 6314-6321.	4.8	39
80	Scanning tunneling spectroscopy on organic semiconductors: Experiment and model. Physical Review B, 2004, 70, .	3.2	38
81	Doping dynamics in light-emitting electrochemical cells. Organic Electronics, 2011, 12, 1746-1753.	2.6	37
82	The operational mechanism of ferroelectric-driven organic resistive switches. Organic Electronics, 2012, 13, 147-152.	2.6	37
83	Pulse-modulated multilevel data storage in an organic ferroelectric resistive memory diode. Scientific Reports, 2016, 6, 24407.	3.3	37
84	Accurate description of charge transport in organic field effect transistors using an experimentally extracted density of states. Physical Review B, 2012, 85, .	3.2	36
85	Scanning Kelvin probe microscopy on organic field-effect transistors during gate bias stress. Applied Physics Letters, 2007, 90, 192104.	3.3	35
86	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
87	True ferroelectric switching in thin films of trialkylbenzene-1,3,5-tricarboxamide (BTA). Physical Chemistry Chemical Physics, 2016, 18, 23663-23672.	2.8	34
88	On the width of the recombination zone in ambipolar organic field effect transistors. Applied Physics Letters, 2008, 93, .	3.3	32
89	Impact of Singly Occupied Molecular Orbital Energy on the n-Doping Efficiency of Benzimidazole Derivatives. ACS Applied Materials & Samp; Interfaces, 2019, 11, 37981-37990.	8.0	32
90	Spin in organics: a new route to spintronics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 3602-3616.	3.4	30

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91	Design Rule for Improved Open-Circuit Voltage in Binary and Ternary Organic Solar Cells. ACS Applied Materials & Solar Cel	8.0	30
92	Automated open-source software for charge transport analysis in single-carrier organic semiconductor diodes. Organic Electronics, 2018, 61, 318-328.	2.6	30
93	Photogenerated Charge Transport in Organic Electronic Materials: Experiments Confirmed by Simulations. Advanced Materials, 2019, 31, e1806004.	21.0	30
94	Buildup of Triplet-State Population in Operating TQ1:PC <sub>71</sub> BM Devices Does Not Limit Their Performance. Journal of Physical Chemistry Letters, 2020, 11, 2838-2845.	4.6	30
95	Exchange-correlation energy of a hole gas including valence band coupling. Physical Review B, 1997, 56, 3664-3671.	3.2	29
96	Substitution and Preparation Effects on the Molecular-Scale Morphology of PPV Films. Macromolecules, 2005, 38, 7784-7792.	4.8	29
97	Crossbar arrays of nonvolatile, rewritable polymer ferroelectric diode memories on plastic substrates. Applied Physics Express, 2014, 7, 031602.	2.4	29
98	Nonequilibrium site distribution governs charge-transfer electroluminescence at disordered organic heterointerfaces. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 23416-23425.	7.1	29
99	The Curious Outâ€ofâ€Plane Conductivity of PEDOT:PSS. Advanced Functional Materials, 2013, 23, 5787-5793.	14.9	28
100	Experimentally Validated Hopping-Transport Model for Energetically Disordered Organic Semiconductors. Physical Review Applied, 2019, 12, .	3.8	28
101	Control of Film Morphology by Folding Hydrogen-Bonded Oligo(p-phenylenevinylene) Polymers in Solution. Macromolecules, 2006, 39, 784-788.	4.8	27
102	Manipulating the Local Light Emission in Organic Lightâ€Emitting Diodes by using Patterned Selfâ€Assembled Monolayers. Advanced Materials, 2008, 20, 2703-2706.	21.0	26
103	Light Emission in the Unipolar Regime of Ambipolar Organic Fieldâ€Effect Transistors. Advanced Functional Materials, 2013, 23, 4133-4139.	14.9	26
104	Morphology Determines Conductivity and Seebeck Coefficient in Conjugated Polymer Blends. ACS Applied Materials & Samp; Interfaces, 2018, 10, 9638-9644.	8.0	26
105	Non-Wiedemann-Franz behavior of the thermal conductivity of organic semiconductors. Physical Review B, 2020, 101, .	3.2	26
106	Anomalous current transients in organic field-effect transistors. Applied Physics Letters, 2010, 96, 103306.	3.3	25
107	Multi-bit organic ferroelectric memory. Organic Electronics, 2013, 14, 3399-3405.	2.6	25
108	Suppressing depolarization by tail substitution in an organic supramolecular ferroelectric. Physical Chemistry Chemical Physics, 2019, 21, 2069-2079.	2.8	25

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109	Negative piezoelectric effect in an organic supramolecular ferroelectric. Materials Horizons, 2019, 6, 1688-1698.	12.2	25
110	Rubbing and Drawing: Generic Ways to Improve the Thermoelectric Power Factor of Organic Semiconductors?. Advanced Electronic Materials, 2020, 6, 2000218.	5.1	25
111	Large magnetic field effects in electrochemically doped organic light-emitting diodes. Physical Review B, 2013, 88, .	3.2	24
112	Nonequilibrium drift-diffusion model for organic semiconductor devices. Physical Review B, 2016, 94, .	3.2	24
113	Explaining the effects of processing on the electrical properties of PEDOT:PSS. Organic Electronics, 2014, 15, 3710-3714.	2.6	23
114	High thermoelectric power factor from multilayer solution-processed organic films. Applied Physics Letters, 2018, 112, .	3.3	23
115	Connecting Scanning Tunneling Spectroscopy to Device Performance for Polymer:Fullerene Organic Solar Cells. ACS Nano, 2010, 4, 1385-1392.	14.6	22
116	Two-dimensional charge transport in molecularly ordered polymer field-effect transistors. Journal of Materials Chemistry C, 2016, 4, 11135-11142.	5.5	22
117	Resistive switching in an organic supramolecular semiconducting ferroelectric. Chemical Communications, 2019, 55, 8828-8831.	4.1	22
118	Intensive Chiroptical Properties of Chiral Polyfluorenes Associated with Fibril Formation. Journal of Physical Chemistry B, 2009, 113, 14047-14051.	2.6	21
119	Switchable Charge Injection Barrier in an Organic Supramolecular Semiconductor. ACS Applied Materials & Samp; Interfaces, 2016, 8, 15535-15542.	8.0	21
120	Pulsed Terahertz Emission from Solution-Processed Lead Iodide Perovskite Films. ACS Photonics, 2019, 6, 1175-1181.	6.6	21
121	Monolayer dual gate transistors with a single charge transport layer. Applied Physics Letters, 2010, 96, .	3.3	20
122	Scanning probes for new energy materials: Probing local structure and function. MRS Bulletin, 2012, 37, 633-637.	3.5	20
123	Optical Detection of Ballistic Electrons Injected by a Scanning-Tunneling Microscope. Physical Review Letters, 2001, 86, 2404-2407.	7.8	19
124	Bimolecular recombination in ambipolar organic field effect transistors. Organic Electronics, 2009, 10, 994-997.	2.6	19
125	Frequency dependence of organic magnetoresistance. Applied Physics Letters, 2010, 97, 123301.	3.3	19
126	Localizing trapped charge carriers in NO2 sensors based on organic field-effect transistors. Applied Physics Letters, 2012, 101, .	3.3	19

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127	Dedoping-induced interfacial instability of poly(ethylene imine)s-treated PEDOT:PSS as a low-work-function electrode. Journal of Materials Chemistry C, 2020, 8, 328-336.	5 <b>.</b> 5	19
128	Charge transport in doped conjugated polymers for organic thermoelectrics. Chemical Physics Reviews, 2022, 3, .	5.7	19
129	Temperature- and density-dependent channel potentials in high-mobility organic field-effect transistors. Physical Review B, 2009, 80, .	3.2	18
130	Physical reality of the Preisach model for organic ferroelectrics. Nature Communications, 2018, 9, 4409.	12.8	18
131	Equilibrated Charge Carrier Populations Govern Steady-State Nongeminate Recombination in Disordered Organic Solar Cells. Journal of Physical Chemistry Letters, 2019, 10, 1374-1381.	4.6	18
132	On the Origin of Seebeck Coefficient Inversion in Highly Doped Conducting Polymers. Advanced Functional Materials, 2022, 32, .	14.9	18
133	Effect of Coulomb scattering from trapped charges on the mobility in an organic field-effect transistor. Physical Review B, 2011, 83, .	3.2	17
134	Evidence for space-charge-limited conduction in organic photovoltaic cells at open-circuit conditions. Physical Review B, 2013, 87, .	3.2	17
135	Effective Temperature and Universal Conductivity Scaling in Organic Semiconductors. Scientific Reports, 2015, 5, 16870.	3.3	17
136	Experimentally Calibrated Kinetic Monte Carlo Model Reproduces Organic Solar Cell Current–Voltage Curve. Solar Rrl, 2020, 4, 2000029.	5.8	17
137	The Role of Delocalization and Excess Energy in the Quantum Efficiency of Organic Solar Cells and the Validity of Optical Reciprocity Relations. Journal of Physical Chemistry Letters, 2020, 11, 3563-3570.	4.6	17
138	Spectroscopic evidence for trap-dominated magnetic field effects in organic semiconductors. Physical Review B, 2014, 90, .	3.2	16
139	Polarization loss in the organic ferroelectric trialkylbenzene-1,3,5-tricarboxamide (BTA). Physical Chemistry Chemical Physics, 2017, 19, 3192-3200.	2.8	16
140	Data retention in organic ferroelectric resistive switches. Organic Electronics, 2016, 31, 56-62.	2.6	15
141	Kinetic Monte Carlo simulations of organic ferroelectrics. Physical Chemistry Chemical Physics, 2019, 21, 1375-1383.	2.8	15
142	Slow Relaxation of Photogenerated Charge Carriers Boosts Open-Circuit Voltage of Organic Solar Cells. Journal of Physical Chemistry Letters, 2021, 12, 9874-9881.	4.6	15
143	Spectrally resolved luminescence from an InGaAs quantum well induced by an ambient scanning tunneling microscope. Applied Physics Letters, 1999, 75, 3656-3658.	3.3	14
144	Low-temperature scanning-tunneling microscope for luminescence measurements in high magnetic fields. Review of Scientific Instruments, 2001, 72, 132-135.	1.3	14

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145	Fundamental Limitations for Electroluminescence in Organic Dualâ€Gate Fieldâ€Effect Transistors. Advanced Materials, 2014, 26, 4450-4455.	21.0	14
146	Investigation of the dimensionality of charge transport in organic field effect transistors. Physical Review B, 2017, 95, .	3.2	14
147	High-efficiency dielectrophoretic ratchet. Physical Review E, 2012, 86, 041106.	2.1	13
148	Microstructured organic ferroelectric thin film capacitors by solution micromolding. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 2124-2132.	1.8	13
149	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
150	Design Rules for Polymer Blends with High Thermoelectric Performance. Advanced Energy Materials, 2022, 12, .	19.5	13
151	Real-Space Measurement of the Potential Distribution Inside Organic Semiconductors. Physical Review Letters, 2002, 88, 096803.	7.8	12
152	The Optimal Structureâ^'Conductivity Relation in Epoxy-Phthalocyanine Nanocomposites. Journal of Physical Chemistry B, 2006, 110, 23115-23122.	2.6	12
153	Large Electrically Induced Height and Volume Changes in Poly(3,4-ethylenedioxythiophene)/Poly(styrenesulfonate) Thin Films. Chemistry of Materials, 2010, 22, 3670-3677.	6.7	12
154	Characteristics of a First-Generation X-Ray System. Radiology, 2011, 259, 534-539.	7.3	12
155	3 <scp>D</scp> â€morphology reconstruction of nanoscale phaseâ€separation in polymer memory blends. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1231-1237.	2.1	12
156	Magneto-optical study on exciton screening inp-typeAlxGa1â^'xAs/InyGa1â^'yAsquantum wells. Physical Review B, 1997, 56, 4853-4862.	3.2	11
157	Photoluminescence enhancement in thin films of PbSe nanocrystals. Applied Physics Letters, 2008, 93, .	3.3	11
158	Comment on "Charge Carrier Extraction in Organic Solar Cells Governed by Steadyâ€State Mobilities― Advanced Energy Materials, 2018, 8, 1800419.	19.5	11
159	Dead Ends Limit Charge Carrier Extraction from Allâ€Polymer Bulk Heterojunction Solar Cells. Advanced Electronic Materials, 2018, 4, 1800144.	5.1	11
160	Interface instabilities in polymer light emitting diodes due to annealing. Organic Electronics, 2003, 4, 209-218.	2.6	10
161	Spatially resolved scanning tunneling luminescence on self-assembled InGaAs/GaAs quantum dots. Applied Physics Letters, 2003, 83, 290-292.	3.3	10
162	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. Journal of Physical Chemistry C, 2013, 117, 3210-3220.	3.1	10

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163	Delocalization Enhances Conductivity at High Doping Concentrations. Advanced Functional Materials, 0, , 2112262.	14.9	10
164	Effect of strain on a second-order van Hove singularity inAlxGa1â^'xAs/InyGa1â^'yAs quantum wells. Physical Review B, 1996, 54, 10644-10651.	3.2	9
165	Many-particle effects in Be-δ-dopedGaAs/AlxGa1â^'xAsquantum wells. Physical Review B, 1998, 58, 1424-1435.	3.2	9
166	Electroluminescence spectra of an STM-tip-induced quantum dot. Physical Review B, 2003, 68, .	3.2	8
167	Universality of ac conduction for generalized space-charge transport in ordered solids. Physical Review B, 2005, 72, .	3.2	8
168	Light-Emitting Electrochemical Cells: Mechanisms and Formal Description., 2017,, 3-45.		8
169	General Rules for the Impact of Energetic Disorder and Mobility on Nongeminate Recombination in Phase-Separated Organic Solar Cells. Physical Review Applied, 2021, 16, .	3.8	8
170	Enhancement of spin-dependent hole delocalization in degenerate asymmetric double quantum wells. Physical Review B, 1996, 53, 10000-10007.	3.2	7
171	Design of composite InAsP/InGaAs quantum wells for a 1.55 î¾m polarization independent semiconductor optical amplifier. Applied Physics Letters, 1999, 75, 2782-2784.	3.3	7
172	On the role of minority carriers in the frequency dependence of organic magnetoresistance. Synthetic Metals, 2011, 161, 617-621.	3.9	7
173	The performance of organic electronic ratchets. AIP Advances, 2012, 2, .	1.3	7
174	The influence of device physics on organic magnetoresistance. Synthetic Metals, 2013, 173, 10-15.	3.9	7
175	Diffusion enhancement in on/off ratchets. Applied Physics Letters, 2013, 102, .	3.3	7
176	Enhancing Openâ€Circuit Voltage in Gradient Organic Solar Cells by Rectifying Thermalization Losses. Solar Rrl, 2020, 4, 2000400.	5.8	7
177	Exchange interaction inp-typeGaAs/AlxGa1â^'xAsheterostructures studied by magnetotransport. Physical Review B, 1998, 57, 6629-6635.	3.2	6
178	The Application of X-Rays in Radiology: From Difficult and Dangerous to Simple and Safe. American Journal of Roentgenology, 2012, 198, 754-759.	2.2	6
179	Scaling of characteristic frequencies of organic electronic ratchets. Physical Review B, 2012, 85, .	3.2	6
180	Microscopic model for switching kinetics in organic ferroelectrics following the Merz law. Physical Review B, 2020, 101, .	3.2	6

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181	Piezoelectricity enhancement of P(VDF/TrFE) by X-ray irradiation. Organic Electronics, 2016, 37, 257-262.	2.6	5
182	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
183	Thermoelectric properties of doped organic semiconductors. , 2021, , 165-197.		4
184	Optical properties of a tip-induced quantum dot. Applied Physics A: Materials Science and Processing, 2001, 72, S239-S242.	2.3	3
185	Quantitative determination of the charge density on surface steps on semiconductors by high-resolution local scanning-tunneling spectroscopy. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 1159-1162.	2.7	3
186	Programmable polymer light emitting transistors with ferroelectric polarization-enhanced channel current and light emission. Organic Electronics, 2012, 13, 1742-1749.	2.6	3
187	Scanning tunnelling microscopy on organic field-effect transistors based on intrinsic pentacene. Applied Physics Letters, 2014, 104, 263301.	3.3	3
188	Scalable Electronic Ratchet with Over 10% Rectification Efficiency. Advanced Science, 2020, 7, 1902428.	11.2	3
189	Carrier Mobility Dynamics under Actual Working Conditions of Organic Solar Cells. Journal of Physical Chemistry C, 2021, 125, 14567-14575.	3.1	3
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