

Howard E Katz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3923158/publications.pdf>

Version: 2024-02-01

131
papers

5,795
citations

76196

40
h-index

76769

74
g-index

133
all docs

133
docs citations

133
times ranked

6758
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen-bearing functionalities enhancing NO ₂ , NH ₃ , and acetone electronic response and response variation by polythiophenes in organic field-effect transistor sensors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2149-2162.	2.7	6
2	Computational discovery of high charge mobility self-assembling π -conjugated peptides. <i>Molecular Systems Design and Engineering</i> , 2022, 7, 447-459.	1.7	8
3	Evidence of Preformed Lewis Acid-Base and Wheland-Type Complexes Acting as Dopants for p-Type Conjugated Polymers. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2065-2080.	2.0	2
4	Stabilization and Specification in Polymer Field-Effect Transistor Semiconductors. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 15861-15870.	4.0	4
5	The combined influence of polythiophene side chains and electrolyte anions on organic electrochemical transistors. <i>Electrochemical Science Advances</i> , 2022, 2, .	1.2	6
6	The behavior of carboxylated and hydroxylated polythiophene as bioreceptor layer: Anti-human IgG and human IgG interaction detection based on organic electrochemical transistors. <i>Electrochemical Science Advances</i> , 2022, 2, .	1.2	2
7	A New Polystyrene-Poly(vinylpyridinium) Ionic Copolymer Dopant for n-Type All-Polymer Thermoelectrics with High and Stable Conductivity Relative to the Seebeck Coefficient giving High Power Factor. <i>Advanced Materials</i> , 2022, 34, e2201062.	11.1	13
8	A Dichlorinated Dithienylethene-Diketopyrrolopyrrole-Based Copolymer with Pronounced P-N Crossover: Evidence for Anionic Seebeck Contribution. , 2022, 4, 1139-1145.		4
9	Simulation of two-transistor parallel and series circuits for gas sensing validated by experimental data. <i>Journal of Computational Electronics</i> , 2021, 20, 626-634.	1.3	4
10	Dichlorinated Dithienylethene-Based Copolymers for Air-Stable n-Type Conductivity and Thermoelectricity. <i>Advanced Functional Materials</i> , 2021, 31, 2005901.	7.8	50
11	Trap-dominated nitrogen dioxide and ammonia responses of air-stable p-channel conjugated polymers from detailed bias stress analysis. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3531-3545.	2.7	8
12	Using Preformed Meisenheimer Complexes as Dopants for n-Type Organic Thermoelectrics with High Seebeck Coefficients and Power Factors. <i>Advanced Functional Materials</i> , 2021, 31, 2010567.	7.8	28
13	Charge Trapping in Polymer Electrets with Highly Dilute Blended Arylamine Donors. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1656-1662.	2.0	5
14	Maximized Hole Trapping in a Polystyrene Transistor Dielectric from a Highly Branched Iminobis(aminoarene) Side Chain. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 34584-34596.	4.0	3
15	Antigen sensing via nanobody-coated transistors. <i>Nature Biomedical Engineering</i> , 2021, 5, 639-640.	11.6	10
16	A chemical kinetics perspective on thermoelectric transport. <i>Applied Physics Letters</i> , 2021, 119, 060503.	1.5	4
17	3,4,5-Trimethoxy Substitution on an N-DMBI Dopant with New n-Type Polymers: Polymer-Dopant Matching for Improved Conductivity-Seebeck Coefficient Relationship. <i>Angewandte Chemie</i> , 2021, 133, 27418-27425.	1.6	1
18	3,4,5-Trimethoxy Substitution on an N-DMBI Dopant with New n-Type Polymers: Polymer-Dopant Matching for Improved Conductivity-Seebeck Coefficient Relationship. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27212-27219.	7.2	20

#	ARTICLE	IF	CITATIONS
19	Nanoscale Bioreceptor Layers Comprising Carboxylated Polythiophene for Organic Electrochemical Transistor-Based Biosensors. ACS Applied Nano Materials, 2021, 4, 13459-13468.	2.4	8
20	Conductive Polymers: Synergistically Improved Molecular Doping and Carrier Mobility by Copolymerization of Donor-Acceptor and Donor-Donor Building Blocks for Thermoelectric Application (Adv. Funct. Mater. 40/2020). Advanced Functional Materials, 2020, 30, 2070270.	7.8	7
21	Unusually Conductive Organic-Inorganic Hybrid Nanostructures Derived from Bio-Inspired Mineralization of Peptide/Pi-Electron Assemblies. ACS Nano, 2020, 14, 1846-1855.	7.3	19
22	Suppression of Ionic Doping by Molecular Dopants in Conjugated Polymers for Improving Specificity and Sensitivity in Biosensing Applications. ACS Applied Materials & Interfaces, 2020, 12, 45036-45044.	4.0	4
23	Synergistically Improved Molecular Doping and Carrier Mobility by Copolymerization of Donor-Acceptor and Donor-Donor Building Blocks for Thermoelectric Application. Advanced Functional Materials, 2020, 30, 2004378.	7.8	51
24	Carboxylic Acid-Functionalized Conjugated Polymer Promoting Diminished Electronic Drift and Amplified Proton Sensitivity of Remote Gates Compared to Nonpolar Surfaces in Aqueous Media. Advanced Electronic Materials, 2020, 6, 1901073.	2.6	5
25	Ultrasensitive Detection of Electrolyte Leakage from Lithium-Ion Batteries by Ionically Conductive Metal-Organic Frameworks. Matter, 2020, 3, 904-919.	5.0	42
26	Enhanced and unconventional responses in chemiresistive sensing devices for nitrogen dioxide and ammonia from carboxylated alkylthiophene polymers. Materials Horizons, 2020, 7, 1358-1371.	6.4	17
27	Design and Synthesis of Air-Stable p-Channel-Conjugated Polymers for High Signal-to-Drift Nitrogen Dioxide and Ammonia Sensing. ACS Applied Materials & Interfaces, 2020, 12, 21974-21984.	4.0	29
28	Spectroscopic Studies of Charge-Transfer Character and Photoresponses of F ₄ TCNQ-Based Donor-Acceptor Complexes. Journal of Physical Chemistry C, 2020, 124, 9191-9202.	1.5	6
29	(Invited) Organic Semiconductor, Receptor Material and Circuit Design for Organic Electronic Vapor Sensors and Biosensors. ECS Meeting Abstracts, 2020, MA2020-01, 2427-2427.	0.0	0
30	High Signal-to-Noise Chemical Sensors Based on Compensated Organic Transistor Circuits. Advanced Materials Technologies, 2019, 4, 1900410.	3.0	14
31	Vapor sensing using organic, polymer, and nanomaterial field-effect transistors. , 2019, , 785-815.		2
32	Contributions to composite conductivity and Seebeck coefficient in commercial Bi ₂ Te ₃ -Conjugated polymer composites. Journal of Applied Physics, 2019, 125, .	1.1	3
33	Dopant-Dependent Increase in Seebeck Coefficient and Electrical Conductivity in Blended Polymers with Offset Carrier Energies. Advanced Electronic Materials, 2019, 5, 1800618.	2.6	34
34	Analytical Platform To Characterize Dopant Solution Concentrations, Charge Carrier Densities in Films and Interfaces, and Physical Diffusion in Polymers Utilizing Remote Field-Effect Transistors. Journal of the American Chemical Society, 2019, 141, 4861-4869.	6.6	16
35	A Humid-Air-Operable, NO ₂ -Responsive Polymer Transistor Series Circuit with Improved Signal-to-Drift Ratio Based on Polymer Semiconductor Oxidation. ACS Sensors, 2019, 4, 3240-3247.	4.0	22
36	Enhanced Molecular Doping for High Conductivity in Polymers with Volume Freed for Dopants. Macromolecules, 2019, 52, 9804-9812.	2.2	37

#	ARTICLE	IF	CITATIONS
37	Static Polystyrene Gate Charge Density Modulation of Dinaphthothienothiophene with Tetrafluorotetracyanoquinodimethane Layer Doping: Evidence from Conductivity and Seebeck Coefficient Measurements and Correlations. <i>ACS Applied Electronic Materials</i> , 2019, 1, 2708-2715.	2.0	5
38	Chemical and Biomolecule Sensing with Organic Field-Effect Transistors. <i>Chemical Reviews</i> , 2019, 119, 3-35.	23.0	317
39	Injection and Interface-Dominated Nonlinear Resistors from Tin-Carbon Nanotube Junctions. <i>MRS Advances</i> , 2019, 4, 185-189.	0.5	0
40	Effects of trifluoromethyl substituents on interfacial and bulk polarization of polystyrene gate dielectrics. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	6
41	(Invited) Thermoelectric Parameters in Blends of Polymers with Slightly Offset Carrier Energies. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
42	Material and circuit design for organic electronic vapor sensors and biosensors. , 2019, , .		1
43	Impedance spectroscopic detection of binding and reactions in acid-labile dielectric polymers for biosensor applications. <i>Journal of Materials Chemistry B</i> , 2018, 6, 2972-2981.	2.9	3
44	Solid-state electrical applications of protein and peptide based nanomaterials. <i>Chemical Society Reviews</i> , 2018, 47, 3640-3658.	18.7	84
45	Electronic Cortisol Detection Using an Antibody-Embedded Polymer Coupled to a Field-Effect Transistor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16233-16237.	4.0	62
46	Spray coating of the PCBM electron transport layer significantly improves the efficiency of p-i-n planar perovskite solar cells. <i>Nanoscale</i> , 2018, 10, 11342-11348.	2.8	76
47	Sensitive and selective pentacene-guanine field-effect transistor sensing of nitrogen dioxide and interferent vapor analytes. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 940-948.	4.0	30
48	Effect of Nonionic Conjugated Matrix Polymer and P-Dopant on Carbon Nanotube Aggregation and Thermoelectric Properties. <i>MRS Advances</i> , 2018, 3, 3483-3487.	0.5	1
49	Influence of Bioreceptor Layer Structure on Myelin Basic Protein Detection using Organic Field Effect Transistor-Based Biosensors. <i>Advanced Functional Materials</i> , 2018, 28, 1802605.	7.8	25
50	Highly Contrasting Static Charging and Bias Stress Effects in Pentacene Transistors with Polystyrene Heterostructures Incorporating Oxidizable N,N' -Bis(4-methoxyphenyl)aniline Side Chains as Gate Dielectrics. <i>Macromolecules</i> , 2018, 51, 6011-6020.	2.2	11
51	(Plenary) Conjugated Polymers for Selective Chemical Sensing and Energy Conversion. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
52	Ethylene Detection Based on Organic Field-Effect Transistors With Porogen and Palladium Particle Receptor Enhancements. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1173-1177.	4.0	32
53	Hybrid of P3HT and ZnO@GO nanostructured particles for increased NO_2 sensing response. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2160-2166.	2.7	32
54	Solid-Phase Synthesis of Self-Assembling Multivalent β -Conjugated Peptides. <i>ACS Omega</i> , 2017, 2, 409-419.	1.6	18

#	ARTICLE	IF	CITATIONS
55	Sensitive and Selective NO ₂ Sensing Based on Alkyl- and Alkylthio-Thiophene Polymer Conductance and Conductance Ratio Changes from Differential Chemical Doping. ACS Applied Materials & Interfaces, 2017, 9, 20501-20507.	4.0	46
56	Extended Solution Gate OFET-Based Biosensor for Label-Free Glial Fibrillary Acidic Protein Detection with Polyethylene Glycol-Containing Bioreceptor Layer. Advanced Functional Materials, 2017, 27, 1606506.	7.8	70
57	Pursuing Polymer Dielectric Interfacial Effect in Organic Transistors for Photosensing Performance Optimization. Advanced Science, 2017, 4, 1700442.	5.6	59
58	Conductivity and power factor enhancement of n-type semiconducting polymers using sodium silica gel dopant. APL Materials, 2017, 5, .	2.2	14
59	Direct Detection of Dilute Solid Chemicals with Responsive Lateral Organic Diodes. Journal of the American Chemical Society, 2017, 139, 12366-12369.	6.6	20
60	A Cytop Insulating Tunneling Layer for Efficient Perovskite Solar Cells. Small Methods, 2017, 1, 1700244.	4.6	42
61	Top-down Fabrication and Enhanced Active Area Electronic Characteristics of Amorphous Oxide Nanoribbons for Flexible Electronics. Scientific Reports, 2017, 7, 5728.	1.6	2
62	High Conductivity and Electron Transfer Validation in an n-Type Fluoride-Anion-Doped Polymer for Thermoelectrics in Air. Advanced Materials, 2017, 29, 1606928.	11.1	144
63	Modification of the Poly(bisdodecylquaterthiophene) Structure for High and Predominantly Nonionic Conductivity with Matched Dopants. Journal of the American Chemical Society, 2017, 139, 11149-11157.	6.6	81
64	Increased mobility and on/off ratio in organic field-effect transistors using low-cost guanine-pentacene multilayers. Applied Physics Letters, 2017, 111, .	1.5	13
65	Inexpensive, Versatile, and Robust USB-Driven Sensor Platform. , 2017, 1, 1-4.		5
66	A flexible organic inverter made from printable materials for synergistic ammonia sensing. Journal of Materials Chemistry C, 2017, 5, 6506-6511.	2.7	13
67	Mobility enhancement of organic field-effect transistor based on guanine trap-neutralizing layer. Applied Physics Letters, 2016, 109, .	1.5	10
68	Synthesis, Fabrication, and Heterostructure of Charged, Substituted Polystyrene Multilayer Dielectrics and Their Effects in Pentacene Transistors. Macromolecules, 2016, 49, 3478-3489.	2.2	17
69	Submolecular regulation of cell transformation by deuterium depleting water exchange reactions in the tricarboxylic acid substrate cycle. Medical Hypotheses, 2016, 87, 69-74.	0.8	64
70	Reduced-temperature solution-processed transparent oxide low-voltage-operable field-effect transistors. MRS Communications, 2015, 5, 605-611.	0.8	1
71	ZT > 0.1 Electron-Carrying Polymer Thermoelectric Composites with In Situ SnCl ₂ Microstructure Growth. Advanced Science, 2015, 2, 1500015.	5.6	22
72	Sequence-dependent mechanical, photophysical and electrical properties of pi-conjugated peptide hydrogelators. Journal of Materials Chemistry C, 2015, 3, 6505-6514.	2.7	43

#	ARTICLE	IF	CITATIONS
73	Effect of side chain length on film structure and electron mobility of core-unsubstituted pyromellitic diimides and enhanced mobility of the dibrominated core using the optimized side chain. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3029-3037.	2.7	18
74	Electrochemical processes and mechanistic aspects of field-effect sensors for biomolecules. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6445-6470.	2.7	79
75	Molecular Switching via Multiplicity-Exclusive <i>E</i> / <i>Z</i> Photoisomerization Pathways. <i>Journal of the American Chemical Society</i> , 2015, 137, 10841-10850.	6.6	28
76	Demonstration of Hole Transport and Voltage Equilibration in Self-Assembled π -Conjugated Peptide Nanostructures Using Field-Effect Transistor Architectures. <i>ACS Nano</i> , 2015, 9, 12401-12409.	7.3	57
77	Device Isolation in Hybrid Field-Effect Transistors by Semiconductor Micropatterning Using Picosecond Lasers. <i>Physical Review Applied</i> , 2014, 2, .	1.5	2
78	Label-free brain injury biomarker detection based on highly sensitive large area organic thin film transistor with hybrid coupling layer. <i>Chemical Science</i> , 2014, 5, 416-426.	3.7	73
79	Heteroaromatic variation in amorphous 1,6-methano[10]annulene-based charge-transporting organic semiconductors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7851.	2.7	8
80	Printable ammonia sensor based on organic field effect transistor. <i>Organic Electronics</i> , 2014, 15, 3221-3230.	1.4	47
81	Through Thick and Thin: Tuning the Threshold Voltage in Organic Field-Effect Transistors. <i>Accounts of Chemical Research</i> , 2014, 47, 1369-1377.	7.6	58
82	Diverse Organic Field-Effect Transistor Sensor Responses from Two Functionalized Naphthalenetetracarboxylic Diimides and Copper Phthalocyanine Semiconductors Distinguishable Over a Wide Analyte Range. <i>Advanced Functional Materials</i> , 2013, 23, 4094-4104.	7.8	60
83	Organic diode implementations in configurable architectures and temperature sensors. , 2013, , .		0
84	Tetrathiafulvalene (TTF)-Functionalized Thiophene Copolymerized with 3,3'-Didodecylquaterthiophene: Synthesis, TTF Trapping Activity, and Response to Trinitrotoluene. <i>Macromolecules</i> , 2013, 46, 708-717.	2.2	20
85	Dielectric tuning strategies for flexible display backplane transistors. , 2013, , .		0
86	Electron mobility enhancement in ZnO thin films via surface modification by carboxylic acids. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	34
87	Templated Crosslinked Imidazolyl Acrylate for Electronic Detection of Nitroaromatic Explosives. <i>Advanced Functional Materials</i> , 2013, 23, 91-99.	7.8	14
88	Voltage dependent displacement current as a tool to measure the vacuum level shift caused by self-assembled monolayers on aluminum oxide. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	6
89	Synergistic thermoelectric power factor increase in films incorporating tellurium and thiophene-based semiconductors. <i>MRS Communications</i> , 2013, 3, 97-100.	0.8	4
90	Peptide-Based Supramolecular Semiconductor Nanomaterials via Pd-Catalyzed Solid-Phase α -Dimerizations. <i>ACS Macro Letters</i> , 2012, 1, 1326-1329.	2.3	59

#	ARTICLE	IF	CITATIONS
91	Electrical "Turn-On" Response of Poly(3,3'-didodecylquaterthiophene) and Electron Donor Blend Transistors to 2,4,6-Trinitrotoluene. <i>Chemistry of Materials</i> , 2012, 24, 2621-2623.	3.2	19
92	Prospects for polymer-based thermoelectrics: state of the art and theoretical analysis. <i>Energy and Environmental Science</i> , 2012, 5, 8110.	15.6	189
93	X-ray and neutron reflectivity and electronic properties of PCBM-poly(bromo)styrene blends and bilayers with poly(3-hexylthiophene). <i>Journal of Materials Chemistry</i> , 2012, 22, 4364-4370.	6.7	24
94	Highly Sensitive NH ₃ Detection Based on Organic Field-Effect Transistors with Tris(pentafluorophenyl)borane as Receptor. <i>Journal of the American Chemical Society</i> , 2012, 134, 14650-14653.	6.6	129
95	Organic transistors in the new decade: Toward "channel, printed, and stabilized devices. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 1090-1120.	2.4	84
96	Metal organic chemical vapor deposition of ZnO from β -ketoiminates. <i>Applied Organometallic Chemistry</i> , 2012, 26, 267-272.	1.7	19
97	Materials for Printable, Transparent, and Low-Voltage Transistors. <i>Advanced Functional Materials</i> , 2011, 21, 29-45.	7.8	127
98	Digital-Inverter Amine Sensing via Synergistic Responses by n and p Organic Semiconductors. <i>Advanced Functional Materials</i> , 2011, 21, 4314-4319.	7.8	34
99	Aligned Macroscopic Domains of Optoelectronic Nanostructures Prepared via Shear-Flow Assembly of Peptide Hydrogels. <i>Advanced Materials</i> , 2011, 23, 5009-5014.	11.1	128
100	Threshold voltage shifting for memory and tuning in printed transistor circuits. <i>Materials Science and Engineering Reports</i> , 2011, 72, 49-80.	14.8	40
101	Silicon-on-insulator (SOI) integration for organic field effect transistor (OFET) based circuits. , 2011, , .		2
102	Air-Operable, High-Mobility Organic Transistors with Semifluorinated Side Chains and Unsubstituted Naphthalenetetracarboxylic Diimide Cores: High Mobility and Environmental and Bias Stress Stability from the Perfluorooctylpropyl Side Chain. <i>Advanced Functional Materials</i> , 2010, 20, 2930-2944.	7.8	66
103	Chemical and Physical Sensing by Organic Field-Effect Transistors and Related Devices. <i>Advanced Materials</i> , 2010, 22, 3799-3811.	11.1	268
104	CMOS inverters for ammonia/amine sensors. , 2010, , .		0
105	Batteries and charge storage devices based on electronically conducting polymers. <i>Journal of Materials Research</i> , 2010, 25, 1561-1574.	1.2	107
106	High photovoltaic performance of ladder-type oligo-p-phenylene containing copolymers with high open-circuit voltages. , 2009, , .		0
107	Improved photostability of disperse red 1 infused in a nanoporous silicate monolith. , 2009, , .		0
108	Improved morphology and bias stress study of a naphthalenetetracarboxylic diimide bottom contact field effect transistor. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
109	Effects of carrier mobility and morphology in organic semiconductor spin valves. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	26
110	Thin-Film Organic Electronic Devices. <i>Annual Review of Materials Research</i> , 2009, 39, 71-92.	4.3	235
111	Low-Temperature-Processible, Transparent, and Air-Operable n-Channel Fluorinated Phenylethylated Naphthalenetetracarboxylic Diimide Semiconductors Applied to Flexible Transistors. <i>Chemistry of Materials</i> , 2009, 21, 94-101.	3.2	84
112	Correlation between microstructure and magnetotransport in organic semiconductor spin-valve structures. <i>Physical Review B</i> , 2009, 79, .	1.1	63
113	Organic field-effect transistor sensors with dual responses to dinitrotoluene. , 2009, , .		1
114	Solution-Deposited Zinc Oxide and Zinc Oxide/Pentacene Bilayer Transistors: High Mobility n-Channel, Ambipolar, and Nonvolatile Devices. <i>Advanced Functional Materials</i> , 2008, 18, 1832-1839.	7.8	99
115	Monolayer-Dimensional 5,5-Bis(4-hexylphenyl)-2,2-bithiophene Transistors and Chemically Responsive Heterostructures. <i>Advanced Materials</i> , 2008, 20, 2567-2572.	11.1	142
116	Interfacial and Nanostructural Enhancements in Organic Semiconductor Sensors and Diodes. , 2008, , .		0
117	Syntheses, Solid State Structures, and Electrical Properties of Oxadiazole-Based Oligomers with Perfluorinated Endgroups. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7939-7945.	1.5	13
118	Organic Semiconductor Devices with Enhanced Field and Environmental Responses for Novel Applications. <i>MRS Bulletin</i> , 2008, 33, 690-696.	1.7	50
119	Bottom contact organic transistor based on air-stable n-type F15-NTCDI. , 2007, , .		0
120	Solution-deposited ZnO-organic diodes with high current density and high frequency rectification under ambient conditions. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1035, 1.	0.1	0
121	Hydroxy-Terminated Organic Semiconductor-Based Field-Effect Transistors for Phosphonate Vapor Detection. <i>Journal of the American Chemical Society</i> , 2007, 129, 9366-9376.	6.6	164
122	Molecular ordering in bis(phenylenyl)bithiophenes. <i>Journal of Materials Chemistry</i> , 2007, 17, 3427.	6.7	12
123	Functionalized organic semiconductor-based field-effect transistors for phosphonate vapor detection. , 2007, , .		0
124	Correlations between SFG Spectra and Electrical Properties of Organic Field Effect Transistors. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13250-13255.	1.5	39
125	Organic Semiconductor-based Chemical Sensors. , 2006, , 411-421.		2
126	Structural Characterization of a Functionalized Organic Semiconductor. <i>Materials Research Society Symposia Proceedings</i> , 2005, 871, 1.	0.1	0

#	ARTICLE	IF	CITATIONS
127	Easily Processable Phenylene- <i>h</i> -Thiophene-Based Organic Field-Effect Transistors and Solution-Fabricated Nonvolatile Transistor Memory Elements. <i>Journal of the American Chemical Society</i> , 2003, 125, 9414-9423.	6.6	373
128	Vapor sensing with 1,4-dihexylquaterthiophene field-effect transistors: The role of grain boundaries. <i>Applied Physics Letters</i> , 2002, 81, 3079-3081.	1.5	138
129	Integration and Response of Organic Electronics with Aqueous Microfluidics. <i>Langmuir</i> , 2002, 18, 5299-5302.	1.6	116
130	Organic field-effect transistors with polarizable gate insulators. <i>Journal of Applied Physics</i> , 2002, 91, 1572-1576.	1.1	212
131	Naphthalenetetracarboxylic Diimide-Based n-Channel Transistor Semiconductors: Structural Variation and Thiol-Enhanced Gold Contacts. <i>Journal of the American Chemical Society</i> , 2000, 122, 7787-7792.	6.6	359