

# Thuc-Quyen Nguyen

## List of Publications by Year in descending order

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201  
papers

17,413  
citations

10373

72  
h-index

14736

127  
g-index

212  
all docs

212  
docs citations

212  
times ranked

12797  
citing authors

#	ARTICLE	IF	CITATIONS
1	Current Progress of Interfacing Organic Semiconducting Materials with Bacteria. <i>Chemical Reviews</i> , 2022, 122, 4791-4825.	23.0	19
2	Efficiency of Thermally Activated Delayed Fluorescence Sensitized Triplet Upconversion Doubled in Three-Component System. <i>Advanced Materials</i> , 2022, 34, e2103976.	11.1	13
3	Resolving Atomic-Scale Interactions in Nonfullerene Acceptor Organic Solar Cells with Solid-State NMR Spectroscopy, Crystallographic Modelling, and Molecular Dynamics Simulations. <i>Advanced Materials</i> , 2022, 34, e2105943.	11.1	36
4	Editorial for the special issue of <i>Materials Horizons</i> in honor of Seth Marder. <i>Materials Horizons</i> , 2022, 9, 15-16.	6.4	0
5	Structural insights into Lewis acid- and F4TCNQ-doped conjugated polymers by solid-state magnetic resonance spectroscopy. <i>Materials Horizons</i> , 2022, 9, 981-990.	6.4	16
6	Efficient Fabrication of Organic Electrochemical Transistors via Wet Chemical Processing. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 12469-12478.	4.0	8
7	Solution-Processed CsPbBr <sub>3</sub> Quantum Dots/Organic Semiconductor Planar Heterojunctions for High-Performance Photodetectors. <i>Advanced Science</i> , 2022, 9, e2105856.	5.6	15
8	Dual-Mode Organic Electrochemical Transistors Based on Self-Doped Conjugated Polyelectrolytes for Reconfigurable Electronics. <i>Advanced Materials</i> , 2022, 34, e2200274.	11.1	15
9	Low Voltage-Loss Organic Solar Cells Light the Way for Efficient Semitransparent Photovoltaics. <i>Solar Rrl</i> , 2022, 6, .	3.1	3
10	Understanding Interfacial Recombination Processes in Narrow-Band-Gap Organic Solar Cells. <i>ACS Energy Letters</i> , 2022, 7, 1626-1634.	8.8	18
11	Ionic Tunability of Conjugated Polyelectrolyte Solutions. <i>Macromolecules</i> , 2022, 55, 3437-3448.	2.2	11
12	Understanding the p-doping of spiroOMeTAD by tris(pentafluorophenyl)borane. <i>Electrochimica Acta</i> , 2022, 424, 140602.	2.6	9
13	Selective doping of a single ambipolar organic semiconductor to obtain P- and N-type semiconductors. <i>Matter</i> , 2022, 5, 2882-2897.	5.0	10
14	On Optoelectronic Processes in Organic Solar Cells: From Opaque to Transparent. <i>Advanced Optical Materials</i> , 2021, 9, 2001484.	3.6	14
15	A Simple Approach for Unraveling Optoelectronic Processes in Organic Solar Cells under Short-Circuit Conditions. <i>Advanced Energy Materials</i> , 2021, 11, 2002760.	10.2	32
16	Temperature and Light Modulated Open-Circuit Voltage in Nonfullerene Organic Solar Cells with Different Effective Bandgaps. <i>Advanced Energy Materials</i> , 2021, 11, 2003091.	10.2	23
17	The Path to 20% Power Conversion Efficiencies in Nonfullerene Acceptor Organic Solar Cells. <i>Advanced Energy Materials</i> , 2021, 11, 2003441.	10.2	154
18	Understanding how Lewis acids dope organic semiconductors: a $\pi$ -complex story. <i>Chemical Science</i> , 2021, 12, 7012-7022.	3.7	23

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19	Effect of Palladium-Tetrakis(Triphenylphosphine) Catalyst Traces on Charge Recombination and Extraction in Non-Fullerene-based Organic Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2009363.	7.8	27
20	Low-Cost Nucleophilic Organic Bases as Dopants for Organic Field-Effect Transistors and Thermoelectric Devices. <i>Advanced Functional Materials</i> , 2021, 31, 2102768.	7.8	19
21	Data driven discovery of conjugated polyelectrolytes for optoelectronic and photocatalytic applications. <i>Npj Computational Materials</i> , 2021, 7, .	3.5	19
22	Optical Expediency of Back Electrode Materials for Organic Near-Infrared Photodiodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 27217-27226.	4.0	11
23	Morphology Inversion of a Non-Fullerene Acceptor Via Adhesion Controlled Decal-Coating for Efficient Conversion and Detection in Organic Electronics. <i>Advanced Functional Materials</i> , 2021, 31, 2103705.	7.8	15
24	Insights into Bulk-Heterojunction Organic Solar Cells Processed from Green Solvent. <i>Solar Rrl</i> , 2021, 5, 2100213.	3.1	30
25	Multiwavelength Photodetectors Based on an Azobenzene Polymeric Ionic Liquid. <i>ACS Applied Polymer Materials</i> , 2021, 3, 5125-5133.	2.0	2
26	The role of charge recombination to triplet excitons in organic solar cells. <i>Nature</i> , 2021, 597, 666-671.	13.7	225
27	Understanding and Countering Illumination-Sensitive Dark Current: Toward Organic Photodetectors with Reliable High Detectivity. <i>ACS Nano</i> , 2021, 15, 1753-1763.	7.3	52
28	Electrolyte-gated transistors for enhanced performance bioelectronics. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	11.8	172
29	Biomaterial-Based Solid-Electrolyte Organic Electrochemical Transistors for Electronic and Neuromorphic Applications. <i>Advanced Electronic Materials</i> , 2021, 7, 2100519.	2.6	14
30	A High-Performance Solution-Processed Organic Photodetector for Near-Infrared Sensing. <i>Advanced Materials</i> , 2020, 32, e1906027.	11.1	270
31	Excited State Dynamics of a Self-Doped Conjugated Polyelectrolyte. <i>Advanced Functional Materials</i> , 2020, 30, 1906148.	7.8	21
32	Orbital-Energy Modulation of Tetrabenzoporphyrin-Derived Non-Fullerene Acceptors for Improved Open-Circuit Voltage in Organic Solar Cells. <i>Journal of Organic Chemistry</i> , 2020, 85, 168-178.	1.7	10
33	Large-gain low-voltage and wideband organic photodetectors via unbalanced charge transport. <i>Materials Horizons</i> , 2020, 7, 3234-3241.	6.4	29
34	Visualization of Charge Transfer from Bacteria to a Self-Doped Conjugated Polymer Electrode Surface Using Conductive Atomic Force Microscopy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 40778-40785.	4.0	9
35	Energy Spotlight. <i>ACS Energy Letters</i> , 2020, 5, 3051-3052.	8.8	0
36	The role of bulk and interfacial morphology in charge generation, recombination, and extraction in non-fullerene acceptor organic solar cells. <i>Energy and Environmental Science</i> , 2020, 13, 3679-3692.	15.6	126

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37	Conductive Polymer Work Function Changes due to Residual Water: Impact of Temperature-Dependent Dielectric Constant. <i>Advanced Electronic Materials</i> , 2020, 6, 2000408.	2.6	12
38	Robust Unipolar Electron Conduction Using an Ambipolar Polymer Semiconductor with Solution-Processable Blends. <i>Chemistry of Materials</i> , 2020, 32, 6831-6837.	3.2	2
39	Unifying Charge Generation, Recombination, and Extraction in Low-Offset Non-Fullerene Acceptor Organic Solar Cells. <i>Advanced Energy Materials</i> , 2020, 10, 2001203.	10.2	74
40	What is the role of planarity and torsional freedom for aggregation in a $\pi$ -conjugated donor-acceptor model oligomer?. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4944-4955.	2.7	11
41	Bandgap Tailored Nonfullerene Acceptors for Low-Energy-Loss Near-Infrared Organic Photovoltaics. , 2020, 2, 395-402.		37
42	The importance of sulfonate to the self-doping mechanism of the water-soluble conjugated polyelectrolyte PCPDTBT-SO <sub>3</sub> <sup>-</sup> K. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3556-3566.	3.2	25
43	Design of narrow bandgap non-fullerene acceptors for photovoltaic applications and investigation of non-geminate recombination dynamics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15175-15182.	2.7	50
44	Organic Electrochemical Transistors Based on the Conjugated Polyelectrolyte PCPDTBT-SO <sub>3</sub> <sup>-</sup> K (CPEK). <i>Advanced Materials</i> , 2020, 32, e1908120.	11.1	42
45	Transient grating spectroscopy of photocarrier dynamics in semiconducting polymer thin films. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	2
46	Tuning Optical Properties of Conjugated Molecules by Lewis Acids: Insights from Electronic Structure Modeling. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4632-4638.	2.1	14
47	Quantifying the Nongeminate Recombination Dynamics in Nonfullerene Bulk Heterojunction Organic Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1901438.	10.2	115
48	Hall of Fame Article: Solution-Processed Semitransparent Organic Photovoltaics: From Molecular Design to Device Performance (Adv. Mater. 30/2019). <i>Advanced Materials</i> , 2019, 31, 1970219.	11.1	21
49	Understanding the High Performance of over 15% Efficiency in Single-Junction Bulk Heterojunction Organic Solar Cells. <i>Advanced Materials</i> , 2019, 31, e1903868.	11.1	211
50	Tuning <i>Geobacter sulfurreducens</i> biofilm with conjugated polyelectrolyte for increased performance in bioelectrochemical system. <i>Biosensors and Bioelectronics</i> , 2019, 144, 111630.	5.3	14
51	Towards understanding the doping mechanism of organic semiconductors by Lewis acids. <i>Nature Materials</i> , 2019, 18, 1327-1334.	13.3	144
52	Fullerene derivative induced morphology of bulk heterojunction blends: PIPCP:PC <sub>61</sub> BM. <i>RSC Advances</i> , 2019, 9, 4106-4112.	1.7	10
53	Solution-Processed Semitransparent Organic Photovoltaics: From Molecular Design to Device Performance. <i>Advanced Materials</i> , 2019, 31, e1900904.	11.1	168
54	Quantifying and Understanding Voltage Losses Due to Nonradiative Recombination in Bulk Heterojunction Organic Solar Cells with Low Energetic Offsets. <i>Advanced Energy Materials</i> , 2019, 9, 1901077.	10.2	69

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55	Charge Recombination Dynamics in Organic Photovoltaic Systems with Enhanced Dielectric Constant. <i>Advanced Functional Materials</i> , 2019, 29, 1901269.	7.8	32
56	Atomic-Level Insight into the Postsynthesis Band Gap Engineering of a Lewis Base Polymer Using Lewis Acid Tris(pentafluorophenyl)borane. <i>Chemistry of Materials</i> , 2019, 31, 6715-6725.	3.2	35
57	Side-Chain Engineering of Nonfullerene Acceptors for Near-Infrared Organic Photodetectors and Photovoltaics. <i>ACS Energy Letters</i> , 2019, 4, 1401-1409.	8.8	182
58	Unifying Energetic Disorder from Charge Transport and Band Bending in Organic Semiconductors. <i>Advanced Functional Materials</i> , 2019, 29, 1901109.	7.8	62
59	High-k Fluoropolymer Gate Dielectric in Electrically Stable Organic Field-Effect Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 15821-15828.	4.0	23
60	Photoluminescence Quenching Probes Spin Conversion and Exciton Dynamics in Thermally Activated Delayed Fluorescence Materials. <i>Advanced Materials</i> , 2019, 31, e1804490.	11.1	31
61	Tuning the Potential of Electron Extraction from Microbes with Ferrocene-Containing Conjugated Oligoelectrolytes. <i>Advanced Biology</i> , 2019, 3, 1800303.	3.0	9
62	Complexation of a Conjugated Polyelectrolyte and Impact on Optoelectronic Properties. <i>ACS Macro Letters</i> , 2019, 8, 88-94.	2.3	37
63	n-Type Ionic Organic Electronic Ratchets for Energy Harvesting. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 1081-1087.	4.0	3
64	Electrical Double-Layer Slope Nonideality in Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2018, 28, 1707221.	7.8	54
65	Miniature Soft Electromagnetic Actuators for Robotic Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1800244.	7.8	129
66	Thermally stable, highly efficient, ultraflexible organic photovoltaics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4589-4594.	3.3	106
67	Aggregation-free sensitizer dispersion in rigid ionic crystals for efficient solid-state photon upconversion and demonstration of defect effects. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5609-5615.	2.7	19
68	Doping Polymer Semiconductors by Organic Salts: Toward High-Performance Solution-Processed Organic Field-Effect Transistors. <i>ACS Nano</i> , 2018, 12, 3938-3946.	7.3	52
69	Order enables efficient electron-hole separation at an organic heterojunction with a small energy loss. <i>Nature Communications</i> , 2018, 9, 277.	5.8	112
70	Unraveling the cooperative synergy of zero-dimensional graphene quantum dots and metal nanocrystals enabled by layer-by-layer assembly. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1700-1713.	5.2	99
71	Charge Generation and Recombination in an Organic Solar Cell with Low Energetic Offsets. <i>Advanced Energy Materials</i> , 2018, 8, 1701073.	10.2	60
72	Single Crystal Microwires of $\text{p-TS(FBTTh)}_2$ and Their Use in the Fabrication of Field-Effect Transistors and Photodetectors. <i>Advanced Functional Materials</i> , 2018, 28, 1702073.	7.8	22

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73	Determining the Dielectric Constants of Organic Photovoltaic Materials Using Impedance Spectroscopy. <i>Advanced Functional Materials</i> , 2018, 28, 1801542.	7.8	98
74	Mesomorphic Behavior in Silver(I) N-(4-Pyridyl) Benzamide with Aromatic $\pi$ - $\pi$ Stacking Counterions. <i>Materials</i> , 2018, 11, 1666.	1.3	1
75	Organic Photovoltaics. <i>Advanced Energy Materials</i> , 2018, 8, 1802706.	10.2	7
76	Elucidating Aggregation Pathways in the Donor-Acceptor Type Molecules p-DTS(FBTTh <sub>2</sub> ) <sub>2</sub> and p-SIDT(FBTTh <sub>2</sub> ) <sub>2</sub> . <i>Journal of Physical Chemistry B</i> , 2018, 122, 9191-9201.	1.2	8
77	Balance Between Light Absorption and Recombination Losses in Solution-Processed Small Molecule Solar Cells with Normal or Inverted Structures. <i>Advanced Energy Materials</i> , 2018, 8, 1801807.	10.2	17
78	Acceptor Percolation Determines How Electron-Accepting Additives Modify Transport of Ambipolar Polymer Organic Field-Effect Transistors. <i>ACS Nano</i> , 2018, 12, 7134-7140.	7.3	8
79	Bandgap Narrowing in Non-Fullerene Acceptors: Single Atom Substitution Leads to High Optoelectronic Response Beyond 1000 nm. <i>Advanced Energy Materials</i> , 2018, 8, 1801212.	10.2	125
80	Effect of Alkyl-Chain Length on Charge Transport Properties of Organic Semiconductors and Organic Field-Effect Transistors. <i>Advanced Electronic Materials</i> , 2018, 4, 1800175.	2.6	19
81	Donor-Acceptor-Collector Ternary Crystalline Films for Efficient Solid-State Photon Upconversion. <i>Journal of the American Chemical Society</i> , 2018, 140, 8788-8796.	6.6	57
82	Measuring the competition between bimolecular charge recombination and charge transport in organic solar cells under operating conditions. <i>Energy and Environmental Science</i> , 2018, 11, 3019-3032.	15.6	59
83	Design of Nonfullerene Acceptors with Near-Infrared Light Absorption Capabilities. <i>Advanced Energy Materials</i> , 2018, 8, 1801209.	10.2	95
84	Small is Powerful: Recent Progress in Solution-Processed Small Molecule Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1602242.	10.2	371
85	Carrier-Selective Traps: A New Approach for Fabricating Circuit Elements with Ambipolar Organic Semiconductors. <i>Advanced Electronic Materials</i> , 2017, 3, 1600537.	2.6	13
86	Observing Ion Motion in Conjugated Polyelectrolytes with Kelvin Probe Force Microscopy. <i>Advanced Electronic Materials</i> , 2017, 3, 1700005.	2.6	19
87	Electron Transport and Nanomorphology in Solution-Processed Polymeric Semiconductor n-Doped with an Air-Stable Organometallic Dimer. <i>Advanced Electronic Materials</i> , 2017, 3, 1600546.	2.6	15
88	Understanding the Device Physics in Polymer-Based Ionic Organic Ratchets. <i>Advanced Materials</i> , 2017, 29, 1606464.	11.1	12
89	A Ferrocene-Based Conjugated Oligoelectrolyte Catalyzes Bacterial Electrode Respiration. <i>Chem</i> , 2017, 2, 240-257.	5.8	40
90	Organic Semiconductors: Carrier-Selective Traps: A New Approach for Fabricating Circuit Elements with Ambipolar Organic Semiconductors ( <i>Adv. Electron. Mater.</i> 3/2017). <i>Advanced Electronic Materials</i> , 2017, 3, .	2.6	0

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91	Hole Mobility and Electron Injection Properties of D $\pi$ A Conjugated Copolymers with Fluorinated Phenylene Acceptor Units. <i>Advanced Materials</i> , 2017, 29, 1603830.	11.1	45
92	Impact of interfacial molecular orientation on radiative recombination and charge generation efficiency. <i>Nature Communications</i> , 2017, 8, 79.	5.8	198
93	Structural variations to a donor polymer with low energy losses. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18618-18626.	5.2	12
94	Improving Electrical Stability and Ideality in Organic Field-Effect Transistors by the Addition of Fullerenes: Understanding the Working Mechanism. <i>Advanced Functional Materials</i> , 2017, 27, 1701358.	7.8	26
95	Linear Conjugated Polymer Backbones Improve Alignment in Nanogroove-Assisted Organic Field-Effect Transistors. <i>Journal of the American Chemical Society</i> , 2017, 139, 17624-17631.	6.6	72
96	Monomolecular and Bimolecular Recombination of Electron-Hole Pairs at the Interface of a Bilayer Organic Solar Cell. <i>Advanced Functional Materials</i> , 2017, 27, 1604906.	7.8	57
97	Capacitance Spectroscopy for Quantifying Recombination Losses in Nonfullerene Small-Molecule Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1502250.	10.2	95
98	Twisted olefinic building blocks for low bandgap polymers in solar cells and ambipolar field-effect transistors. <i>Journal of Polymer Science Part A</i> , 2016, 54, 889-899.	2.5	7
99	Understanding Open-Circuit Voltage Loss through the Density of States in Organic Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1501721.	10.2	80
100	Fabricating Low-Cost Ionic-Organic Electronic Ratchets with Graphite Pencil and Adhesive Tape. <i>Advanced Electronic Materials</i> , 2016, 2, 1500344.	2.6	16
101	Harvesting the Full Potential of Photons with Organic Solar Cells. <i>Advanced Materials</i> , 2016, 28, 1482-1488.	11.1	190
102	Understanding Charge Transport in Molecular Blend Films in Terms of Structural Order and Connectivity of Conductive Pathways. <i>Advanced Energy Materials</i> , 2016, 6, 1502285.	10.2	29
103	Towards a Unified Macroscopic Description of Exciton Diffusion in Organic Semiconductors. <i>Communications in Computational Physics</i> , 2016, 20, 754-772.	0.7	5
104	The effect of intermolecular interaction on excited states in p $\pi$ -DTS(FBTTH2)2. <i>Journal of Chemical Physics</i> , 2016, 144, 074904.	1.2	14
105	Solar Cells: Understanding Open-Circuit Voltage Loss through the Density of States in Organic Bulk Heterojunction Solar Cells ( <i>Adv. Energy Mater.</i> 4/2016). <i>Advanced Energy Materials</i> , 2016, 6, n/a-n/a.	10.2	0
106	Mechanical Properties of Solution-Processed Small-Molecule Semiconductor Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 11649-11657.	4.0	55
107	Semiconductor Blends: Fullerene Additives Convert Ambipolar Transport to p-Type Transport while Improving the Operational Stability of Organic Thin Film Transistors ( <i>Adv. Funct. Mater.</i> 25/2016). <i>Advanced Functional Materials</i> , 2016, 26, 4616-4616.	7.8	0
108	Limits for Recombination in a Low Energy Loss Organic Heterojunction. <i>ACS Nano</i> , 2016, 10, 10736-10744.	7.3	79



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109	Biofilm as a redox conductor: a systematic study of the moisture and temperature dependence of its electrical properties. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 17815-17821.	1.3	40
110	Fullerene Additives Convert Ambipolar Transport to p-Type Transport while Improving the Operational Stability of Organic Thin Film Transistors. <i>Advanced Functional Materials</i> , 2016, 26, 4472-4480.	7.8	38
111	Fluorine substitution influence on benzo[2,1,3]thiadiazole based polymers for field-effect transistor applications. <i>Chemical Communications</i> , 2016, 52, 3207-3210.	2.2	56
112	High Mobility Organic Field-Effect Transistors from Majority Insulator Blends. <i>Chemistry of Materials</i> , 2016, 28, 1256-1260.	3.2	75
113	Significance of Average Domain Purity and Mixed Domains on the Photovoltaic Performance of High-Efficiency Solution-Processed Small-Molecule BHJ Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1500877.	10.2	133
114	Electrical Instability Induced by Electron Trapping in Low-Bandgap Donor-Acceptor Polymer Field-Effect Transistors. <i>Advanced Materials</i> , 2015, 27, 7004-7009.	11.1	78
115	Rectifying Electrical Noise with an Ionic-Organic Ratchet. <i>Advanced Materials</i> , 2015, 27, 2007-2012.	11.1	20
116	Exciton diffusion in organic semiconductors. <i>Energy and Environmental Science</i> , 2015, 8, 1867-1888.	15.6	670
117	Effect of leakage current and shunt resistance on the light intensity dependence of organic solar cells. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	238
118	Organic Semiconductors: Rectifying Electrical Noise with an Ionic-Organic Ratchet (Adv. Mater.) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50	11.1	0
119	Polymer Homo-Tandem Solar Cells with Best Efficiency of 11.3%. <i>Advanced Materials</i> , 2015, 27, 1767-1773.	11.1	408
120	Temperature Dependence of Exciton Diffusion in a Small-Molecule Organic Semiconductor Processed With and Without Additive. <i>Advanced Materials</i> , 2015, 27, 2528-2532.	11.1	39
121	Role of crystallinity of non-fullerene acceptors in bulk heterojunctions. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9989-9998.	5.2	18
122	Solution-Processed pH-Neutral Conjugated Polyelectrolyte Improves Interfacial Contact in Organic Solar Cells. <i>ACS Nano</i> , 2015, 9, 371-377.	7.3	73
123	High open-circuit voltage small-molecule p-DTS(FBTTh <sub>2</sub> ):ICBA bulk heterojunction solar cells – morphology, excited-state dynamics, and photovoltaic performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1530-1539.	5.2	35
124	Structural and optoelectronic properties of hybrid bulk-heterojunction materials based on conjugated small molecules and mesostructured TiO <sub>2</sub> . <i>Applied Physics Letters</i> , 2014, 104, 233305.	1.5	4
125	Interplay of Solvent Additive Concentration and Active Layer Thickness on the Performance of Small Molecule Solar Cells. <i>Advanced Materials</i> , 2014, 26, 7308-7316.	11.1	47
126	Charge-Carrier Recombination: Effects of Processing Conditions on the Recombination Reduction in Small Molecule Bulk Heterojunction Solar Cells (Adv. Energy Mater. 14(2014)). <i>Advanced Energy Materials</i> , 2014, 4, .	10.2	1



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127	Conductive Conjugated Polyelectrolyte as Hole-Transporting Layer for Organic Bulk Heterojunction Solar Cells. <i>Advanced Materials</i> , 2014, 26, 780-785.	11.1	193
128	Overcoming Geminate Recombination and Enhancing Extraction in Solution-Processed Small Molecule Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400230.	10.2	76
129	Effects of Solvent Additives on Morphology, Charge Generation, Transport, and Recombination in Solution-Processed Small-Molecule Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1301469.	10.2	194
130	Trap-Limited Exciton Diffusion in Organic Semiconductors. <i>Advanced Materials</i> , 2014, 26, 1912-1917.	11.1	127
131	Effects of Processing Conditions on the Recombination Reduction in Small Molecule Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400438.	10.2	46
132	Increased Mobility Induced by Addition of a Lewis Acid to a Lewis Basic Conjugated Polymer. <i>Advanced Materials</i> , 2014, 26, 724-727.	11.1	69
133	Operational Mechanism of Conjugated Polyelectrolytes. <i>Journal of the American Chemical Society</i> , 2014, 136, 8500-8503.	6.6	24
134	Silaindacenodithiophene-Based Molecular Donor: Morphological Features and Use in the Fabrication of Compositionally Tolerant, High-Efficiency Bulk Heterojunction Solar Cells. <i>Journal of the American Chemical Society</i> , 2014, 136, 3597-3606.	6.6	136
135	Use of a commercially available nucleating agent to control the morphological development of solution-processed small molecule bulk heterojunction organic solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15717-15721.	5.2	43
136	Effect of structural variation on photovoltaic characteristics of phenyl substituted diketopyrrolopyrroles. <i>RSC Advances</i> , 2014, 4, 14101-14108.	1.7	15
137	Effect of copper metalation of tetrabenzoporphyrin donor material on organic solar cell performance. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7890.	5.2	19
138	High Open Circuit Voltage in Regioregular Narrow Band Gap Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2014, 136, 12576-12579.	6.6	216
139	Competitive Absorption and Inefficient Exciton Harvesting: Lessons Learned from Bulk Heterojunction Organic Photovoltaics Utilizing the Polymer Acceptor P(NDI2OD-T2). <i>Advanced Functional Materials</i> , 2014, 24, 6989-6998.	7.8	134
140	Mobility Guidelines for High Fill Factor Solution-Processed Small Molecule Solar Cells. <i>Advanced Materials</i> , 2014, 26, 5957-5961.	11.1	192
141	Direct Observation of Doping Sites in Temperature-Controlled, p-Doped P3HT Thin Films by Conducting Atomic Force Microscopy. <i>Advanced Materials</i> , 2014, 26, 6069-6073.	11.1	86
142	The Effect of Solvent Additive on the Charge Generation and Photovoltaic Performance of a Solution-Processed Small Molecule:Perylene Diimide Bulk Heterojunction Solar Cell. <i>Chemistry of Materials</i> , 2014, 26, 4109-4118.	3.2	98
143	Systematic study of exciton diffusion length in organic semiconductors by six experimental methods. <i>Materials Horizons</i> , 2014, 1, 280-285.	6.4	144
144	Towards environmentally friendly processing of molecular semiconductors. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11117.	5.2	28

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145	Charge carrier recombination in organic solar cells. Progress in Polymer Science, 2013, 38, 1941-1960.	11.8	534
146	Solvent Additive Effects on Small Molecule Crystallization in Bulk Heterojunction Solar Cells Probed During Spin Casting. Advanced Materials, 2013, 25, 6380-6384.	11.1	156
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