

# Small Molecule Organic Semiconductors on the Move: P Technology

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Organic Solar Cells: Understanding the Role of Förster Resonance Energy Transfer. <i>International Journal of Molecular Sciences</i> , 2012, 13, 17019-17047.	1.8	111
2	Solution processable low bandgap small molecule donors with naphthalene end-groups for organic solar cells. <i>Synthetic Metals</i> , 2012, 162, 1665-1671.	2.1	20
3	Molecular engineering for panchromatic absorbing oligothiophene donor-acceptor organic semiconductors. <i>Tetrahedron</i> , 2012, 68, 9440-9447.	1.0	32
4	Azadipyromethene Dye Derivatives in Coordination Chemistry: the Structure-Property Relationship in Homoleptic Metal(II) Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 12132-12141.	1.9	33
5	Top-down meets bottom-up: organized donor-acceptor heterojunctions for organic solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 24297.	6.7	73
6	Opposite photocurrent response to ultraviolet and visible light. <i>Journal of Materials Chemistry</i> , 2012, 22, 24522.	6.7	15
7	First charge-transfer complexes between tetrathiafulvalene and 1,2,5-chalcogenadiazole derivatives: Design, synthesis, crystal structures, electronic and electrical properties. <i>Synthetic Metals</i> , 2012, 162, 2267-2276.	2.1	54
8	Small Molecules Based on Benzo[1,2-b:4,5-b']dithiophene Unit for High-Performance Solution-Processed Organic Solar Cells. <i>Journal of the American Chemical Society</i> , 2012, 134, 16345-16351.	6.6	563
9	Synthesis and Characterization of Squaraine-Based Conjugated Polymers With Phenylene Linkers for Bulk Heterojunction Solar Cells. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 2590-2597.	1.1	33
10	A donor-acceptor-donor (D-A-D) molecule based on 3-alkoxy-4-cyanothiophene and dithienopyrrole units as active material for organic solar cells. <i>New Journal of Chemistry</i> , 2012, 36, 2412.	1.4	17
11	Fluorescence and two-photon absorption of push-pull aryl(bi)thiophenes: structure-property relationships. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1756-1766.	1.6	44
12	Solution-Processed Bulk-Heterojunction Solar Cells containing Self-Organized Disk-Shaped Donors. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 6289-6294.	4.0	30
13	Rational Design of High-Spin Biradicaloids in the Isobenzofulvene and Isobenzoheptafulvene Series. <i>Journal of Physical Chemistry A</i> , 2012, 116, 5272-5291.	1.1	19
14	Spiro-fluorene based 3D donor towards efficient organic photovoltaics. <i>Chemical Communications</i> , 2012, 48, 11847.	2.2	54
15	Star-Shaped Oligothiophenes Containing an Isotruxene Core: Synthesis, Electronic Properties, Electropolymerization, and Film Morphology. <i>Macromolecules</i> , 2012, 45, 4529-4539.	2.2	25
16	Formation of the Donor-Acceptor Charge-Transfer Exciton and Its Contribution to Charge Photogeneration and Recombination in Small-Molecule Bulk Heterojunctions. <i>Journal of Physical Chemistry C</i> , 2012, 116, 18108-18116.	1.5	47
17	A star-shaped oligothiophene end-capped with alkyl cyanoacetate groups for solution-processed organic solar cells. <i>Chemical Communications</i> , 2012, 48, 9655.	2.2	70
18	D-A-D type benzothiadiazole-triphenylamine based small molecules containing cyano on the $\pi$ -bridge for solution-processed organic solar cells with high open-circuit voltage. <i>Chemical Communications</i> , 2012, 48, 10627.	2.2	83

#	ARTICLE	IF	CITATIONS
19	Solar Cell Efficiency, Self-Assembly, and Dipole–Dipole Interactions of Isomorphous Narrow-Band-Gap Molecules. <i>Journal of the American Chemical Society</i> , 2012, 134, 16597-16606.	6.6	297
20	High-Performance Solution-Processed Solar Cells and Ambipolar Behavior in Organic Field-Effect Transistors with Thienyl-BODIPY Scaffolds. <i>Journal of the American Chemical Society</i> , 2012, 134, 17404-17407.	6.6	227
21	Rational design of novel A-A-D-A type electron donors for small molecule organic solar cells. <i>Chemical Physics Letters</i> , 2012, 543, 199-204.	1.2	28
22	High-Performance Organic Thin-Film Transistor Based on a Dipolar Organic Semiconductor. <i>Advanced Materials</i> , 2012, 24, 5750-5754.	11.1	41
23	Perylene Bisimide Dimer Aggregates: Fundamental Insights into Self-Assembly by NMR and UV/Vis Spectroscopy. <i>Chemistry - A European Journal</i> , 2012, 18, 13665-13677.	1.7	110
24	Efficient NIR-Light Emission from Solid-State Complexes of Boron Difluoride with 2- $\alpha$ -Hydroxychalcone Derivatives. <i>Chemistry - A European Journal</i> , 2012, 18, 12764-12772.	1.7	87
25	Graphene based catalysts. <i>Energy and Environmental Science</i> , 2012, 5, 8848.	15.6	726
26	Narrow-Band-Gap Conjugated Chromophores with Extended Molecular Lengths. <i>Journal of the American Chemical Society</i> , 2012, 134, 20609-20612.	6.6	128
27	Chemistry on Boron: An Entry to Functionalized Fluorescent Dyes. <i>Organic Letters</i> , 2012, 14, 4774-4777.	2.4	89
28	Charge transport in amorphous and smectic mesophases of dicyanovinyl-substituted oligothiophenes. <i>Journal of Materials Chemistry</i> , 2012, 22, 22258.	6.7	40
29	Multiply biphenyl substituted zinc(II) porphyrin and phthalocyanine as components for molecular materials. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012, 16, 1293-1302.	0.4	11
30	Design strategies for organic semiconductors beyond the molecular formula. <i>Nature Chemistry</i> , 2012, 4, 699-704.	6.6	498
31	Fluorene-based organic dyes containing acetylene linkage for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2012, 95, 523-533.	2.0	30
32	Extended benzodifuran–furan derivatives as example of $\pi$ -conjugated materials obtained from sustainable approach. <i>Tetrahedron</i> , 2012, 68, 8617-8621.	1.0	29
33	Solution processed small molecule bulk heterojunction organic photovoltaics based on a conjugated donor–acceptor porphyrin. <i>Journal of Materials Chemistry</i> , 2012, 22, 21841.	6.7	81
34	Correlation of $\pi$ -Conjugated Oligomer Structure with Film Morphology and Organic Solar Cell Performance. <i>Journal of the American Chemical Society</i> , 2012, 134, 11064-11067.	6.6	260
35	o-Quinodimethane-methano[60]fullerene and thieno-o-quinodimethane-methano[60]fullerene as efficient acceptor materials for polymer solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 22374.	6.7	55
36	Vacuum-Deposited Small-Molecule Organic Solar Cells with High Power Conversion Efficiencies by Judicious Molecular Design and Device Optimization. <i>Journal of the American Chemical Society</i> , 2012, 134, 13616-13623.	6.6	260

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37	Development of Solar Cells Based on Synthetic Near-Infrared Absorbing Purpurins 2: Use of Fullerene and Its Derivative As Electron Acceptors for Favorable Charge Separation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21244-21254.	1.5	18
38	Monodispersed vs. polydispersed systems for bulk heterojunction solar cells: the case of dithienopyrrole/anthracene based materials. <i>Journal of Materials Chemistry</i> , 2012, 22, 19752.	6.7	26
39	Soluble porphyrin donors for small molecule bulk heterojunction solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 19258.	6.7	61
40	Structural and electronic properties of oligo- and polythiophenes modified by substituents. <i>Beilstein Journal of Nanotechnology</i> , 2012, 3, 909-919.	1.5	39
41	Physics, chemistry and biology of functional nanostructures. <i>Beilstein Journal of Nanotechnology</i> , 2012, 3, 843-845.	1.5	3
42	Structural modulation of internal charge transfer in small molecular donors for organic solar cells. <i>Chemical Communications</i> , 2012, 48, 8907.	2.2	87
43	Synthesis and Structure-Property Correlations of Dicyanovinyl-Substituted Oligoselenophenes and their Application in Organic Solar Cells. <i>Advanced Functional Materials</i> , 2012, 22, 4322-4333.	7.8	40
44	Non-Basic High-Performance Molecules for Solution-Processed Organic Solar Cells. <i>Advanced Materials</i> , 2012, 24, 3646-3649.	11.1	568
45	High Efficiency Inorganic/Organic Hybrid Tandem Solar Cells. <i>Advanced Materials</i> , 2012, 24, 4523-4527.	11.1	59
47	Oligothiophene Cruciform with a Germanium Spiro Center: A Promising Material for Organic Photovoltaics. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4562-4567.	7.2	29
49	Metal-Free and Fluorescent Diketopyrrolopyrrole Fluorophores for Dye-Sensitized Solar Cells. <i>ChemPlusChem</i> , 2012, 77, 462-469.	1.3	5
50	A zig-zag naphthodithiophene core for increased efficiency in solution-processed small molecule solar cells. <i>Chemical Communications</i> , 2012, 48, 8511.	2.2	101
51	Facile synthesis of 1-(2,6-diisopropylphenyl)-2,5-di(2-thienyl)pyrrole-based narrow band gap small molecules for solar cell applications. <i>Synthetic Metals</i> , 2013, 176, 96-103.	2.1	11
52	Highly Efficient Singlet-Singlet Energy Transfer in Light-Harvesting [60,70]Fullerene-4-Amino-1,8-naphthalimide Dyads. <i>ChemPhysChem</i> , 2013, 14, 2717-2724.	1.0	9
53	Three-dimensional electron-accepting compounds containing perylene bis(dicarboximide)s as n-type organic photovoltaic materials. <i>Chemical Communications</i> , 2013, 49, 8386.	2.2	20
54	Dicyano-functionalized chlorophyll derivatives with ambipolar characteristic for organic photovoltaics. <i>Organic Electronics</i> , 2013, 14, 1972-1979.	1.4	21
55	Organic photovoltaic modules fabricated by an industrial gravure printing proofer. <i>Solar Energy Materials and Solar Cells</i> , 2013, 109, 47-55.	3.0	103
56	Tuning of the Photovoltaic Parameters of Molecular Donors by Covalent Bridging. <i>Advanced Functional Materials</i> , 2013, 23, 4854-4861.	7.8	20

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57	Solution-processed small molecule:fullerene bulk-heterojunction solar cells: impedance spectroscopy deduced bulk and interfacial limits to fill-factors. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 16456.	1.3	76
58	Fused Heteroaromatic Organic Compounds for High-Power Electrodes of Rechargeable Lithium Batteries. <i>Advanced Energy Materials</i> , 2013, 3, 600-605.	10.2	293
59	Polymorph, assembly, luminescence and semiconductor properties of a quinacridone derivative with extended $\pi$ -conjugated framework. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5548.	2.7	29
60	Interaction Dependence and Similarity in Thermal Expansion of a Dimorphic 1D Hydrogen-Bonded Organic Complex. <i>Crystal Growth and Design</i> , 2013, 13, 3299-3302.	1.4	48
61	Exciton transport and electron mobility of organized aggregates of cationic dye thiocyanates. <i>RSC Advances</i> , 2013, 3, 2770.	1.7	15
62	Characterization of the morphology of solution-processed bulk heterojunction organic photovoltaics. <i>Progress in Polymer Science</i> , 2013, 38, 1990-2052.	11.8	252
63	Optimization and simplification of polymer-fullerene solar cells through polymer and active layer design. <i>Polymer</i> , 2013, 54, 5267-5298.	1.8	119
64	Recent advances in water/alcohol-soluble $\pi$ -conjugated materials: new materials and growing applications in solar cells. <i>Chemical Society Reviews</i> , 2013, 42, 9071.	18.7	437
65	Cyano-disubstituted dipyrrolopyrazinedione (CNPzDP) small molecules for solution processed n-channel organic thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5624.	2.7	16
66	Stepwise self-assembly to improve solar cell morphology. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11674.	5.2	38
67	Efficient Light Harvesters Based on the 10-(1,3-Dithiol-2-ylidene)anthracene Core. <i>Organic Letters</i> , 2013, 15, 4166-4169.	2.4	18
68	High Performance Photovoltaic Applications Using Solution-Processed Small Molecules. <i>Accounts of Chemical Research</i> , 2013, 46, 2645-2655.	7.6	624
69	Double acceptor A copolymers containing benzotriazole and benzothiadiazole units: chemical tailoring towards efficient photovoltaic properties. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10736.	5.2	25
70	Synthesis and photovoltaic properties of a star-shaped molecule based on a triphenylamine core and branched terthiophene end groups. <i>Science China Chemistry</i> , 2013, 56, 997-1003.	4.2	14
71	Recent progress of bulk heterojunction solar cells based on small-molecular donors. <i>Science Bulletin</i> , 2013, 58, 2677-2685.	1.7	33
72	Synthesis and photovoltaic properties of non-fullerene solution processable small molecule acceptors. <i>Chemical Research in Chinese Universities</i> , 2013, 29, 596-599.	1.3	2
73	Efficient Energy Sensitization of $C_{60}$ and Application to Organic Photovoltaics. <i>Journal of the American Chemical Society</i> , 2013, 135, 11920-11928.	6.6	17
74	2,5-Thiophene substituted spirobisoles synthesis, characterization, electrochemical properties and performance in bulk heterojunction solar cells. <i>New Journal of Chemistry</i> , 2013, 37, 464-473.	1.4	10

#	ARTICLE	IF	CITATIONS
75	Understanding the Unconventional Effects of Halogenation on the Luminescent Properties of Oligo(Phenylene Vinylene) Molecules. <i>Chemistry - an Asian Journal</i> , 2013, 8, 3091-3100.	1.7	27
76	Impact of Regiochemistry and Isoelectronic Bridgehead Substitution on the Molecular Shape and Bulk Organization of Narrow Bandgap Chromophores. <i>Journal of the American Chemical Society</i> , 2013, 135, 2298-2305.	6.6	108
77	Growth of Ultrathin Organic Semiconductor Microstripes with Thickness Control in the Monolayer Precision. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12530-12535.	7.2	92
78	New soluble porphyrin bearing a pyridinylethynyl group as donor for bulk heterojunction solar cells. <i>Organic Electronics</i> , 2013, 14, 1811-1819.	1.4	31
79	Solution-processed small-molecule solar cells: breaking the 10% power conversion efficiency. <i>Scientific Reports</i> , 2013, 3, 3356.	1.6	542
80	All-Polymer Solar Cells with 3.3% Efficiency Based on Naphthalene Diimide-Selenophene Copolymer Acceptor. <i>Journal of the American Chemical Society</i> , 2013, 135, 14960-14963.	6.6	363
81	Role of the donor material and the donor-acceptor mixing ratio in increasing the efficiency of Schottky junction organic solar cells. <i>Organic Electronics</i> , 2013, 14, 2392-2400.	1.4	31
82	2-Alkyl-5-thienyl-Substituted Benzo[1,2- <i>b</i> :4,5- <i>b'</i> ]-dithiophene-Based Donor Molecules for Solution-Processed Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 9494-9500.	4.0	70
83	Indolocarbazoles end-capped with diketopyrrolopyrroles: impact of regioisomerism on the solid-state properties and the performance of solution-processed bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14686.	5.2	18
84	Film Morphology of High Efficiency Solution-Processed Small-Molecule Solar Cells. <i>Advanced Functional Materials</i> , 2013, 23, 5019-5026.	7.8	185
85	Solution-processed indacenodithiophene-based small molecule for bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14214.	5.2	49
86	Life cycle analyses of organic photovoltaics: a review. <i>Energy and Environmental Science</i> , 2013, 6, 3136.	15.6	180
87	How quasi-free holes and electrons are generated in organic photovoltaic interfaces. <i>Faraday Discussions</i> , 2013, 163, 377.	1.6	54
88	Low-LUMO 56- $\pi$ -electron fullerene acceptors bearing electron-withdrawing cyano groups for small-molecule organic solar cells. <i>Organic Electronics</i> , 2013, 14, 3306-3311.	1.4	13
89	Solution-processed bi-layer polythiophene-fullerene organic solar cells. <i>RSC Advances</i> , 2013, 3, 25197.	1.7	8
90	Effect of structure on the solubility and photovoltaic properties of bis-diketopyrrolopyrrole molecules. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15150.	5.2	35
91	Benzopyrazine-fused tetracene derivatives: Thin-film formation at the crystalline mesophase for solution-processed hole transporting devices. <i>Organic Electronics</i> , 2013, 14, 437-444.	1.4	11
92	Surface Plasmon Enhanced Organic Solar Cells with a MoO <sub>3</sub> Buffer Layer. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 12847-12853.	4.0	58

#	ARTICLE	IF	CITATIONS
93	Graphene quantum dots as the hole transport layer material for high-performance organic solar cells. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 18973.	1.3	113
94	Near-Infrared Absorbing Thienoisindigo-Based Copolymers for Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26859-26870.	1.5	35
95	Dithienopyrrole-based oligothiophenes for solution-processed organic solar cells. <i>Chemical Communications</i> , 2013, 49, 10865.	2.2	57
96	Novel high performance asymmetrical squaraines for small molecule organic solar cells with a high open circuit voltage of 1.12 V. <i>Chemical Communications</i> , 2013, 49, 10465.	2.2	48
97	One, two and three-branched triphenylamine-oligothiophene hybrids for solution-processed solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5128.	5.2	41
99	<i>In situ</i> monitoring the thermal degradation of PCPDTBT low band gap polymers with varying alkyl side-chain patterns. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4912-4922.	2.5	9
101	Narrow-optical-gap $\pi$ -conjugated small molecules based on terminal isindigo and thienoisindigo acceptor units for photovoltaic application. <i>RSC Advances</i> , 2013, 3, 16259.	1.7	28
102	Organic Semiconductors in Organic Thin-Film Transistor-Based Chemical and Biological Sensors. <i>Polymer Reviews</i> , 2013, 53, 352-406.	5.3	128
103	Formation of interfacial traps upon surface protonation in small molecule solution processed bulk heterojunctions probed by photoelectron spectroscopy. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6223.	2.7	31
104	Preparation and photophysical properties of a tetraethylene glycol-linked phthalocyanine-porphyrin dyad and triad. <i>New Journal of Chemistry</i> , 2013, 37, 1746.	1.4	1
105	Solution-processed anthradithiophene-PCBM $n$ junction photovoltaic cells fabricated by using the photoprecursor method. <i>Chemical Communications</i> , 2013, 49, 11638.	2.2	17
106	Using volatile additives to alter the morphology and performance of active layers in thin-film molecular photovoltaic devices incorporating bulk heterojunctions. <i>Chemical Society Reviews</i> , 2013, 42, 9105.	18.7	69
107	Arenedithiocarboxyimide-containing extended $\pi$ -conjugated systems with high electron affinity. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5373.	2.7	32
108	Small molecular weight materials for (opto)electronic applications: overview. , 2013, , 3-82.		6
109	Concise Synthesis of Well-Defined Linear and Branched Oligothiophenes with Nickel-Catalyzed Regiocontrolled Cross-Coupling of 3-Substituted Thiophenes by Catalytically Generated Magnesium Amide. <i>Chemistry - A European Journal</i> , 2013, 19, 1658-1665.	1.7	36
110	Synthesis, electronic properties and packing modes of conjugated systems based on 2,5-di(cyanovinyl)furan or thiophene and imino-perfluorophenyl moieties. <i>New Journal of Chemistry</i> , 2013, 37, 409-415.	1.4	8
111	Evolved structure of thiazolothiazole based small molecules towards enhanced efficiency in organic solar cells. <i>Organic Electronics</i> , 2013, 14, 599-606.	1.4	45
112	High Stokes shift perylene dyes for luminescent solar concentrators. <i>Chemical Communications</i> , 2013, 49, 1618.	2.2	97

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113	Continuous Flow Synthesis of Organic Electronic Materials – Case Studies in Methodology Translation and Scale-up. Australian Journal of Chemistry, 2013, 66, 151.	0.5	20
114	Trivalent organophosphorus reagent induced pinacol rearrangement of 4H-cyclopenta[2,1-b:3,4-b <sup>2</sup> ]dithiophen-4-one. Tetrahedron Letters, 2013, 54, 526-529.	0.7	8
115	Rational Design of New Thiazolo[5,4-d]thiazole Dyes as Input Energy Units in Molecular Dyads. Chemistry - A European Journal, 2013, 19, 2582-2588.	1.7	16
116	Natural Photosynthetic Carotenoids for Solution-Processed Organic Bulk-Heterojunction Solar Cells. Journal of Physical Chemistry C, 2013, 117, 804-811.	1.5	40
117	Open circuit voltage tuning through molecular design in hydrazone end capped donors for bulk heterojunction solar cells. Journal of Materials Chemistry A, 2013, 1, 2631.	5.2	16
118	Efficient small molecule bulk heterojunction solar cells with high fill factors via introduction of $\pi$ -stacking moieties as end group. Journal of Materials Chemistry A, 2013, 1, 1801-1809.	5.2	96
119	An A <sup>+</sup> -D <sup>+</sup> -A small molecule based on the 3,6-dithienylcarbazole electron donor (D) unit and nitrophenyl acrylonitrile electron acceptor (A) units for solution processed organic solar cells. Journal of Materials Chemistry A, 2013, 1, 2297-2306.	5.2	38
120	The synthesis and photovoltaic properties of A <sup>+</sup> -D <sup>+</sup> -A-type small molecules containing diketopyrrolopyrrole terminal units. New Journal of Chemistry, 2013, 37, 632-639.	1.4	51
121	Interfacial States in Donor <sup>+</sup> -Acceptor Organic Heterojunctions: Computational Insights into Thiophene-Oligomer/Fullerene Junctions. Journal of Chemical Theory and Computation, 2013, 9, 533-542.	2.3	45
122	Donor <sup>+</sup> -acceptor <sup>+</sup> -donor (D <sup>+</sup> -A <sup>+</sup> -D) molecules based on isoindigo as active material for organic solar cells. New Journal of Chemistry, 2013, 37, 502-507.	1.4	59
123	Theoretical investigations for organic solar cells. Materials Technology, 2013, 28, 40-64.	1.5	14
124	A solution-processable D <sup>+</sup> -A <sup>+</sup> -D small molecule based on isoindigo for organic solar cells. Journal of Materials Science, 2013, 48, 1014-1020.	1.7	35
125	Convergent Modulation of Singlet and Triplet Excited States of Phosphine <sup>+</sup> Oxide Hosts through the Management of Molecular Structure and Functional <sup>+</sup> Group Linkages for Low <sup>+</sup> Voltage <sup>+</sup> Driven Electrophosphorescence. Chemistry - A European Journal, 2013, 19, 141-154.	1.7	36
127	Small molecule tandem organic photovoltaic cells incorporating an $\hat{\pi}$ -NPD optical spacer layer. Organic Electronics, 2013, 14, 2353-2359.	1.4	20
128	Multihydroxylated aryl amine as a novel alcohol-processable hole-transport molecular glass exhibiting remarkable resistance to weakly polar solvents. Organic Electronics, 2013, 14, 2051-2057.	1.4	6
129	Imidazolium-substituted ionic (co)polythiophenes: Compositional influence on solution behavior and thermal properties. Polymer, 2013, 54, 6293-6304.	1.8	27
130	Novel thiazolothiazole based linear chromophore for small molecule organic solar cells. Chemical Physics Letters, 2013, 574, 89-93.	1.2	14
131	Acetylene-bridged D <sup>+</sup> -A <sup>+</sup> -D type small molecule comprising pyrene and diketopyrrolopyrrole for high efficiency organic solar cells. Organic Electronics, 2013, 14, 2341-2347.	1.4	30



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132	The effect of direct amine substituted push-pull oligothiophene chromophores on dye-sensitized and bulk heterojunction solar cells performance. <i>Tetrahedron</i> , 2013, 69, 3584-3592.	1.0	46
133	Miniaturization of molecular conjugated systems for organic solar cells: towards pigmy donors. <i>RSC Advances</i> , 2013, 3, 5811.	1.7	29
134	Effect of geometrical orientation on the charge-transfer energetics of supramolecular (tetraphenyl)-porphyrin/C60 dyads. <i>Journal of Chemical Physics</i> , 2013, 138, 074306.	1.2	20
135	Studies on the preference of multiple coupling in the introduction of thiophene ring into poly-halogenated aromatic compounds with nickel NHC catalyst. <i>Tetrahedron Letters</i> , 2013, 54, 1976-1979.	0.7	14
136	Surface-Induced Orientation Control of CuPc Molecules for the Epitaxial Growth of Highly Ordered Organic Crystals on Graphene. <i>Journal of the American Chemical Society</i> , 2013, 135, 3680-3687.	6.6	125
137	Rational design on n-type organic materials for high performance organic photovoltaics. <i>RSC Advances</i> , 2013, 3, 7160.	1.7	138
138	Ab Initio Study of a Molecular Crystal for Photovoltaics: Light Absorption, Exciton and Charge Carrier Transport. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4920-4930.	1.5	47
139	Molecular Tailoring of New Thieno(bis)imide-Based Semiconductors for Single Layer Ambipolar Light Emitting Transistors. <i>Chemistry of Materials</i> , 2013, 25, 668-676.	3.2	51
140	Synthesis and Photovoltaic Performance of Pyrazinoquinoxaline Containing Conjugated Thiophene-Based Dendrimers and Polymers. <i>Macromolecules</i> , 2013, 46, 2141-2151.	2.2	28
141	Solution-processed bulk heterojunction solar cells based on BF <sub>2</sub> -hydroxychalcone complexes. <i>Chemical Communications</i> , 2013, 49, 3555.	2.2	25
142	Tetraazabenzodifluoranthene Diimides: Building Blocks for Solution-Processable n-Type Organic Semiconductors. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5513-5517.	7.2	154
143	Donor-acceptor small molecule with coplanar and rigid $\pi$ -bridge for efficient organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2013, 109, 33-39.	3.0	20
144	Imidazolium-Substituted Polythiophenes as Efficient Electron Transport Materials Improving Photovoltaic Performance. <i>Advanced Energy Materials</i> , 2013, 3, 1180-1185.	10.2	55
145	Significant improvement of photovoltaic performance by embedding thiophene in solution-processed star-shaped TPA-DPP backbone. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5747.	5.2	69
146	Impact of the arrangement of functional moieties within small molecular systems for solution processable bulk heterojunction solar cells. <i>New Journal of Chemistry</i> , 2013, 37, 2317.	1.4	8
147	Solvent-free phenyl-C61-butyric acid methyl ester (PCBM) from clathrates: insights for organic photovoltaics from crystal structures and molecular dynamics. <i>Chemical Communications</i> , 2013, 49, 4525.	2.2	47
148	Theoretical characterization and design of small molecule donor material containing naphthodithiophene central unit for efficient organic solar cells. <i>Journal of Computational Chemistry</i> , 2013, 34, 1611-1619.	1.5	130
149	Molecular Engineering of the Physical Properties of Highly Luminescent $\pi$ -Conjugated Phospholes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4748-4758.	1.5	26

#	ARTICLE	IF	CITATIONS
150	Charge Transfer States in Merocyanine Neat Films and Its Blends with [6,6]-Phenyl-C <sub>61</sub> -butyric Acid Methyl Ester. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6039-6048.	1.5	6
151	Fluorescent boron(III) iminocoumarins (Boricos). <i>Chemical Communications</i> , 2013, 49, 4908.	2.2	70
152	Investigation of Quinquethiophene Derivatives with Different End Groups for High Open Circuit Voltage Solar Cells. <i>Advanced Energy Materials</i> , 2013, 3, 639-646.	10.2	65
153	A Fullerene-Based Organic Exciton Blocking Layer with High Electron Conductivity. <i>Nano Letters</i> , 2013, 13, 3315-3320.	4.5	42
154	Phenyl-1,3,5-trithienyl-diketopyrrolopyrrole: A Molecular Backbone Potentially Affording High Efficiency for Solution-Processed Small-Molecule Organic Solar Cells through Judicious Molecular Design. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2407-2416.	1.7	22
155	Molecular ordering and charge transport in a dicyanovinyl-substituted quaterthiophene thin film. <i>RSC Advances</i> , 2013, 3, 12117.	1.7	20
156	Exploring Cyclometalated Ir Complexes as Donor Materials for Organic Solar Cells. <i>Inorganic Chemistry</i> , 2013, 52, 7338-7343.	1.9	37
157	Small <i>D</i> - $\pi$ -A Systems with <i>o</i> -Phenylene-Bridged Accepting Units as Active Materials for Organic Photovoltaics. <i>Chemistry - A European Journal</i> , 2013, 19, 9948-9960.	1.7	80
158	A Solution-Processable Small Molecule Based on Benzodithiophene and Diketopyrrolopyrrole for High-Performance Organic Solar Cells. <i>Advanced Energy Materials</i> , 2013, 3, 1166-1170.	10.2	203
159	Effects of Stereoisomerism on the Crystallization Behavior and Optoelectrical Properties of Conjugated Molecules. <i>Advanced Materials</i> , 2013, 25, 3645-3650.	11.1	82
160	Tuning the Stability of Graphene Layers by Phthalocyanine-Based oPPV Oligomers Towards Photo- and Redoxactive Materials. <i>Small</i> , 2013, 9, 2348-2357.	5.2	25
161	High-Performance Air-Stable Single-Crystal Organic Nanowires Based on a New Indolocarbazole Derivative for Field-Effect Transistors. <i>Advanced Materials</i> , 2013, 25, 3351-3356.	11.1	65
162	Solution-Processable Organic Molecule Photovoltaic Materials with Bithienyl-benzodithiophene Central Unit and Indenedione End Groups. <i>Chemistry of Materials</i> , 2013, 25, 2274-2281.	3.2	180
163	Triazatruxene-diketopyrrolopyrrole Dumbbell-Shaped Molecules as Photoactive Electron Donor for High-Efficiency Solution Processed Organic Solar Cells. <i>Advanced Energy Materials</i> , 2013, 3, 1118-1124.	10.2	64
164	Metal-Metal Quadruple Bonds Supported by 5-Ethynylthiophene-2-carboxylato Ligands: Preparation, Molecular and Electronic Structures, Photoexcited State Dynamics, and Application as Molecular Synthons. <i>Journal of the American Chemical Society</i> , 2013, 135, 8254-8259.	6.6	14
165	Influence of Solid-State Microstructure on the Electronic Performance of 5,11-Bis(triethylsilylethynyl) Anthradithiophene. <i>Chemistry of Materials</i> , 2013, 25, 1823-1828.	3.2	21
166	Solution-Processed and High-Performance Organic Solar Cells Using Small Molecules with a Benzodithiophene Unit. <i>Journal of the American Chemical Society</i> , 2013, 135, 8484-8487.	6.6	675
167	Solution-processed benzotrithiophene-based donor molecules for efficient bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7767.	5.2	44

#	ARTICLE	IF	CITATIONS
168	Synthesis and characterization of new electron acceptor perylene diimide molecules for photovoltaic applications. <i>Dyes and Pigments</i> , 2013, 99, 329-338.	2.0	56
169	Effect of Bridging Atom Identity on the Morphological Behavior of Solution-Processed Small Molecule Bulk Heterojunction Photovoltaics. <i>Chemistry of Materials</i> , 2013, 25, 1688-1698.	3.2	49
170	Reporting Performance in Organic Photovoltaic Devices. <i>ACS Nano</i> , 2013, 7, 4708-4714.	7.3	110
171	A High-Performing Solution-Processed Small Molecule:Perylene Diimide Bulk Heterojunction Solar Cell. <i>Advanced Materials</i> , 2013, 25, 4403-4406.	11.1	248
172	Small Optical Gap Molecules and Polymers: Using Theory to Design More Efficient Materials for Organic Photovoltaics. <i>Topics in Current Chemistry</i> , 2013, 352, 1-38.	4.0	14
173	Push-pull triphenylamine based chromophores as photosensitizers and electron donors for molecular solar cells. <i>Tetrahedron</i> , 2013, 69, 6875-6883.	1.0	8
174	Improved Light Harvesting and Improved Efficiency by Insertion of an Optical Spacer (ZnO) in Solution-Processed Small-Molecule Solar Cells. <i>Nano Letters</i> , 2013, 13, 3796-3801.	4.5	554
175	Oligofuran-containing molecules for organic electronics. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4358.	2.7	77
176	Solution-Processed Small Molecules Using Different Electron Linkers for High-Performance Solar Cells. <i>Advanced Materials</i> , 2013, 25, 4657-4662.	11.1	96
177	Supramolecular self-assemblies as functional nanomaterials. <i>Nanoscale</i> , 2013, 5, 7098.	2.8	610
178	Interplay between Fullerene Surface Coverage and Contact Selectivity of Cathode Interfaces in Organic Solar Cells. <i>ACS Nano</i> , 2013, 7, 4637-4646.	7.3	72
179	High light intensity effects on nanoscale open-circuit voltage for three common donor materials in bulk heterojunction solar cells. <i>Energy and Environmental Science</i> , 2013, 6, 1766.	15.6	10
180	Understanding the Role of Thermal Processing in High Performance Solution Processed Small Molecule Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2013, 3, 356-363.	10.2	52
181	Band Structure Engineering of Carbon Nitride: In Search of a Polymer Photocatalyst with High Photooxidation Property. <i>ACS Catalysis</i> , 2013, 3, 912-919.	5.5	450
182	Self-Organizing Mesomorphic Diketopyrrolopyrrole Derivatives for Efficient Solution-Processed Organic Solar Cells. <i>Chemistry of Materials</i> , 2013, 25, 2549-2556.	3.2	126
183	A $\pi$ -Conjugated System with Flexibility and Rigidity That Shows Environment-Dependent RGB Luminescence. <i>Journal of the American Chemical Society</i> , 2013, 135, 8842-8845.	6.6	191
184	Indan-1,3-dione electron-acceptor small molecules for solution-processable solar cells: a structure-property correlation. <i>Chemical Communications</i> , 2013, 49, 6307.	2.2	106
185	Tuning optical and electronic properties of star-shaped conjugated molecules with enlarged $\pi$ -delocalization for organic solar cell application. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8270.	5.2	45

#	ARTICLE	IF	CITATIONS
186	Quadruple $\pi$ - $\pi$ Stack of Two Perylene Bisimide Tweezers: A Bimolecular Complex with Kinetic Stability. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7482-7486.	7.2	40
187	Asymmetric Surface Potential Energy Distributions in Organic Electronic Materials via Kelvin Probe Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18367-18374.	1.5	6
188	Reaction of 4H-cyclopenta[2,1-b:3,4- $\pi^2$ ]dithiophenes with NBS as a route toward 2H-cyclopenta[2,1-b:3,4- $\pi^2$ ]dithiophene-2,6(4H)-diones. <i>Tetrahedron</i> , 2013, 69, 2260-2267.	1.0	5
189	Study of the Hole and Electron Transport in Amorphous 9,10-Di-(2- $\pi$ -naphthyl)anthracene: The First-Principles Approach. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16336-16342.	1.5	15
190	Stabilization of PCBM domains in bulk heterojunctions using polystyrene-tethered fullerene. <i>Solar Energy Materials and Solar Cells</i> , 2013, 118, 96-101.	3.0	3
191	Improved cathode buffer layer to decrease exciton recombination in organic planar heterojunction solar cells. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	21
192	Chloroboron (III) subnaphthalocyanine as an electron donor in bulk heterojunction photovoltaic cells. <i>Nanotechnology</i> , 2013, 24, 484007.	1.3	23
193	Effects of Heteroatom Substitutions on the Crystal Structure, Film Formation, and Optoelectronic Properties of Diketopyrrolopyrrole-Based Materials. <i>Advanced Functional Materials</i> , 2013, 23, 47-56.	7.8	171
194	A hybrid planar-mixed tetraphenyldibenzoperiflanthene/C70 photovoltaic cell. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	98
195	Synthesis and characterization of naphthalene diimide polymers based on donor-acceptor system for polymer solar cells. <i>EXPRESS Polymer Letters</i> , 2013, 7, 842-851.	1.1	18
196	<i>Tri</i> -Diketopyrrolopyrrole Molecular Donor Materials for High-Performance Solution-Processed Bulk Heterojunction Solar Cells. <i>Advanced Materials</i> , 2013, 25, 5898-5903.	11.1	101
197	Multiple Reduction of 2,5-Bis(boroly)thiophene: Isolation of a Negative Bipolaron by Comproportionation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 12852-12855.	7.2	62
198	Solvent Effects on Solution-Processable Bulk Heterojunction Organic Solar Cells Utilizing 1,4,8,11,15,18,22,25-Octahexylphthalocyanine. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 05DB02.	0.8	11
199	Effects of Deposition Rate on the Properties of CuPc Thin Films and Solar Cells. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 05DB11.	0.8	1
200	Improvement in the Power Conversion Efficiency of Bulk Heterojunction Photovoltaic Device via Thermal Postannealing of Subphthalocyanine:C <sub>70</sub> Active Layer. <i>International Journal of Photoenergy</i> , 2013, 2013, 1-7.	1.4	2
201	Computing UV/vis spectra from the adiabatic and vertical Franck-Condon schemes with the use of Cartesian and internal coordinates. <i>Journal of Chemical Physics</i> , 2013, 139, 234108.	1.2	40
202	A renaissance of color: New structures and building blocks for organic electronics. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1263-1271.	2.5	109
203	External quantum efficiency enhancement in organic photovoltaic devices employing dual organic anode interfacial layers. <i>Applied Physics Letters</i> , 2013, 103, 083303.	1.5	11

#	ARTICLE	IF	CITATIONS
204	Luminescent P-Benzyl Dithienophospholes – A Joint Experimental and Theoretical Investigation. Australian Journal of Chemistry, 2013, 66, 1171.	0.5	5
205	Flexible Organic Solar Cells Based on Spin-Coated Blend Films of a Phenylene-Thiophene Oligomer Derivative and PCBM. Molecular Crystals and Liquid Crystals, 2013, 578, 78-87.	0.4	9
206	Tetrathiafulvalene Hybridized with Indacenetetraone as Visible-light-harvesting Electron Acceptor Applicable to Bulk-heterojunction Organic Photovoltaics. Chemistry Letters, 2013, 42, 1417-1419.	0.7	5
207	Quinoxaline derivatives with broadened absorption patterns. Organic and Biomolecular Chemistry, 2013, 11, 5866.	1.5	28
209	Fullerene C60 Architectures in Materials Science. Advanced Materials and Technologies, 2013, , 47-88.	0.4	1
210	Efficient Small-Molecule Photovoltaic Cells Using a Crystalline Diindenoperylene Film as a Nanostructured Template. Advanced Materials, 2013, 25, 6069-6075.	11.1	39
213	An overview of molecular acceptors for organic solar cells. EPJ Photovoltaics, 2013, 4, 40401.	0.8	56
214	Characteristics of Thin-Film Transistors Based on 2,8-Disubstituted Chrysene Derivatives with Polymer-Treated SiO <sub>2</sub> Dielectric Layers. Electrochemistry, 2013, 81, 402-404.	0.6	2
215	Synthesis and Crystal Structures of 5,15-bis(triisopropylsilylethynyl)-tetrabenzoporphyrins. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2013, 26, 213-216.	0.1	8
216	Synthesis, photophysical and electrochemical characterization of terpyridine-functionalized dendritic oligothiophenes and their Ru(II) complexes. Beilstein Journal of Organic Chemistry, 2013, 9, 866-876.	1.3	20
217	Optimization of solution-processed oligothiophene:fullerene based organic solar cells by using solvent additives. Beilstein Journal of Nanotechnology, 2013, 4, 680-689.	1.5	14
218	Microcavity Control of Fluorescence in Organic Solar Cells for Higher Efficiencies. , 2013, , .		0
219	Hybrid Materials for Integrated Photonics. Advances in Optics, 2014, 2014, 1-24.	0.3	17
220	Integration of Organic Light Emitting Diodes and Organic Photodetectors for Lab-on-a-Chip Bio-Detection Systems. Electronics (Switzerland), 2014, 3, 43-75.	1.8	68
221	Solution processable diketopyrrolopyrrole (DPP) cored small molecules with BODIPY end groups as novel donors for organic solar cells. Beilstein Journal of Organic Chemistry, 2014, 10, 2683-2695.	1.3	23
222	Bulk-Heterojunction Organic Solar Cells Based on Phenylene-Thiophene Oligomer and Phenyl-C61-Butyric-Acid Methyl Ester. IEICE Transactions on Electronics, 2014, E97.C, 405-408.	0.3	2
223	Density Functional Theory Calculations of Charge-Induced Spin Polarization in Pentacene. Chinese Journal of Chemical Physics, 2014, 27, 519-522.	0.6	1
224	Spectroscopic Investigation, Effect of Solvent Polarity and Fluorescence Quenching of a New D- $\pi$ -A Type Chalcone Derivative. Journal of Fluorescence, 2014, 24, 1629-1638.	1.3	35

#	ARTICLE	IF	CITATIONS
225	Inverted Organic Photodetectors With ZnO Electron-Collecting Buffer Layers and Polymer Bulk Heterojunction Active Layers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 130-136.	1.9	11
226	A quantum dynamical comparison of the electronic couplings derived from quantum electrodynamics and F�rster theory: application to 2D molecular aggregates. <i>New Journal of Physics</i> , 2014, 16, 113067.	1.2	15
227	Synthesis of Water-Soluble Cyclen-Functionalised Fullerene C <sub>60</sub> Derivatives. <i>Journal of Chemical Research</i> , 2014, 38, 251-253.	0.6	0
228	Fused-Thiophene Based Materials for Organic Photovoltaics and Dye-Sensitized Solar Cells. <i>Polymers</i> , 2014, 6, 2645-2669.	2.0	85
229	Photocurrent Enhancement of BODIPY-Based Solution-Processed Small-Molecule Solar Cells by Dimerization via the Meso Position. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 22496-22505.	4.0	48
230	Post-Deposition Activation of Latent Hydrogen Bonding: A New Paradigm for Enhancing the Performances of Bulk Heterojunction Solar Cells. <i>Advanced Functional Materials</i> , 2014, 24, 7410-7419.	7.8	27
231	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
232	Efficient microwave-mediated synthesis of fullerene acceptors for organic photovoltaics. <i>RSC Advances</i> , 2014, 4, 63200-63207.	1.7	19
233	Low band gap disk-shaped donors for solution-processed organic solar cells. <i>RSC Advances</i> , 2014, 4, 64589-64595.	1.7	6
234	High open circuit voltage organic solar cells based upon fullerene free bulk heterojunction active layers. <i>Canadian Journal of Chemistry</i> , 2014, 92, 932-939.	0.6	5
235	Solution-processable perylene diimide based star-shaped small molecule acceptor: synthesis and photovoltaic properties. <i>Proceedings of SPIE</i> , 2014, , .	0.8	4
236	Fullerene-based Schottky-junction organic solar cells: a brief review. <i>Journal of Photonics for Energy</i> , 2014, 4, 040999.	0.8	23
237	Surface Hopping Dynamics with DFT Excited States. <i>Topics in Current Chemistry</i> , 2014, 368, 415-444.	4.0	53
238	Organic Solar Cells. <i>Springer Series in Materials Science</i> , 2014, , 67-214.	0.4	17
239	Discotic Liquid Crystalline Blends for Nano-Structure Formation Toward Bulk Heterojunction Active Layer in Organic Photovoltaics. <i>Nanoscience and Technology</i> , 2014, , 257-280.	1.5	2
240	Synthesis, spectral and electrochemical properties of pyrimidine-containing dyes as photosensitizers for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2014, 100, 201-214.	2.0	74
241	Methanothermal reduction of mixtures of PbSO <sub>4</sub> and PbO <sub>2</sub> to synthesize ultrafine $\hat{\pm}$ -PbO powders for lead acid batteries. <i>Journal of Power Sources</i> , 2014, 265, 192-200.	4.0	30
242	Charge carrier mobility study of a mesogenic thienothiophene derivative in bulk and thin films. <i>Organic Electronics</i> , 2014, 15, 943-953.	1.4	24

#	ARTICLE	IF	CITATIONS
243	Small-Molecule Solar Cells with Fill Factors up to 0.75 via a Layer-by-Layer Solution Process. <i>Advanced Energy Materials</i> , 2014, 4, 1300626.	10.2	90
244	Electronic structure study of the biradical pleiadene-like molecules. <i>Monatshefte für Chemie</i> , 2014, 145, 281-290.	0.9	6
245	Three-color polymorph-dependent luminescence: crystallographic analysis and theoretical study on excited-state intramolecular proton transfer (ESIPT) luminescence of cyano-substituted imidazo[1,2-a]pyridine. <i>CrystEngComm</i> , 2014, 16, 3890-3895.	1.3	58
246	Luminescent Materials: Locking Conjugated and Heterocyclic Ligands with Boron(III). <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2290-2310.	7.2	509
247	High-Molecular-Weight Insulating Polymers Can Improve the Performance of Molecular Solar Cells. <i>Advanced Materials</i> , 2014, 26, 4168-4172.	11.1	101
248	[3+3] Annulation of donor-acceptor cyclopropanes with mercaptoacetaldehyde: application to the synthesis of tetrasubstituted thiophenes. <i>Chemical Communications</i> , 2014, 50, 4062.	2.2	63
249	Unambiguous determination of molecular packing in crystalline donor domains of small molecule solution processed solar cell devices using routine X-ray diffraction techniques. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3536.	5.2	29
250	A diketopyrrolopyrrole molecule end-capped with a furan-2-carboxylate moiety: the planarity of molecular geometry and photovoltaic properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6589.	5.2	42
251	8.4% efficient fullerene-free organic solar cells exploiting long-range exciton energy transfer. <i>Nature Communications</i> , 2014, 5, 3406.	5.8	506
252	Small Molecular Aryl Acetylenes: Chemically Tailoring High-Efficiency Organic Semiconductors for Solar Cells and Field-Effect Transistors. <i>ChemPlusChem</i> , 2014, 79, 486-507.	1.3	43
253	Molecular Materials for Organic Photovoltaics: Small is Beautiful. <i>Advanced Materials</i> , 2014, 26, 3821-3838.	11.1	534
254	Small Molecular Donors for Organic Solar Cells Obtained by Simple and Clean Synthesis. <i>ChemSusChem</i> , 2014, 7, 1046-1050.	3.6	21
255	Modular Synthesis of Benzimidazole-Fused Phenanthridines from 2-Arylbenzimidazoles and <i>o</i> -Dibromoarenes by a Palladium-Catalyzed Cascade Process. <i>Organic Letters</i> , 2014, 16, 1872-1875.	2.4	69
256	High open-circuit voltage of the solution-processed organic solar cells based on benzothiadiazole-triphenylamine small molecules incorporating I-linkage. <i>Organic Electronics</i> , 2014, 15, 1138-1148.	1.4	26
257	Structural Characterization of a Composition Tolerant Bulk Heterojunction Blend. <i>Advanced Energy Materials</i> , 2014, 4, 1301886.	10.2	16
258	Small molecule BHJ solar cells based on DPP(TBFu) <sub>2</sub> and diphenylmethanofullerenes (DPM): linking morphology, transport, recombination and crystallinity. <i>Nanoscale</i> , 2014, 6, 5871-5878.	2.8	36
259	Solution-processed bulk heterojunction solar cells based on a porphyrin small molecule with 7% power conversion efficiency. <i>Energy and Environmental Science</i> , 2014, 7, 1397-1401.	15.6	200
260	Synthesis of novel pyrano[3,2-f]quinoline, phenanthroline derivatives and studies of their interactions with proteins: An application in mammalian cell imaging. <i>European Journal of Medicinal Chemistry</i> , 2014, 71, 306-315.	2.6	12

#	ARTICLE	IF	CITATIONS
261	Onâ€‘Topâ€‘Stacking of Quasiplanar Molecules in Holeâ€‘Transporting Materials: Inducing Anisotropic Carrier Mobility in Amorphous Films. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5800-5804.	7.2	87
262	Electronic structure of fullerene-squaraine complexes for photovoltaic devices. <i>Computational and Theoretical Chemistry</i> , 2014, 1040-1041, 237-242.	1.1	7
263	Donorâ€‘Acceptor Hybrids for Organic Electronics. <i>Israel Journal of Chemistry</i> , 2014, 54, 429-439.	1.0	23
264	Photocurrent Enhancement in Diketopyrrolopyrrole Solar Cells by Manipulating Dipolar Anchoring Terminals on Alkylâ€‘Chain Spacers. <i>Chemistry - an Asian Journal</i> , 2014, 9, 883-892.	1.7	17
265	Stoichiometric dependence of TiOx as a cathode modifier on band alignment of polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2014, 125, 233-238.	3.0	11
266	Thieno[3,4- <i>c</i> ]pyrrole-4,6-dione-Based Small Molecules for Highly Efficient Solution-Processed Organic Solar Cells. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1045-1053.	1.7	27
267	Small-molecule azomethines: organic photovoltaics <i>via</i> Schiff base condensation chemistry. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9474-9477.	5.2	83
268	A highly efficient and recyclable ligand-free protocol for the Suzuki coupling reaction of potassium aryltrifluoroborates in water. <i>Green Chemistry</i> , 2014, 16, 2185.	4.6	42
269	Triazine-Bridged Porphyrin Triad as Electron Donor for Solution-Processed Bulk Hetero-Junction Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5968-5977.	1.5	50
270	Acceptorâ€‘Donorâ€‘Acceptor Oligomers Containing Dithieno[3,2- <i>b</i> :2',3'- <i>d</i> ]pyrrole and Thieno[2,3- <i>c</i> ]pyrrole-4,6-dione Units for Solution-Processed Organic Solar Cells. <i>Organic Letters</i> , 2014, 16, 2642-2645.	2.4	30
271	A Collection of Fullerenes for Synthetic Access Toward Oriented Charge-Transfer Cascades in Triple-Channel Photosystems. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4890-4895.	7.2	20
272	Synthesis, photophysical and electrochemical properties of novel 6,12-di(thiophen-2-yl) substituted indolo[3,2- <i>b</i> ]carbazoles. <i>Tetrahedron</i> , 2014, 70, 4685-4696.	1.0	26
273	Symmetrical and unsymmetrical donorâ€‘acceptorâ€‘donor organic dyes: Design, synthesis and characterization. <i>Engineering panchromatic absorbance. Dyes and Pigments</i> , 2014, 108, 15-23.	2.0	5
274	Recent progress in degradation and stabilization of organic solar cells. <i>Journal of Power Sources</i> , 2014, 264, 168-183.	4.0	136
275	Charge Transfer States in Stable Neutral and Oxidized Radical Adducts from Carbazole Derivatives. <i>Journal of Organic Chemistry</i> , 2014, 79, 1771-1777.	1.7	49
276	Facile Access via Green Procedures to a Material with the Benzodifuran Moiety for Organic Photovoltaics. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1043-1048.	3.2	39
277	High-Performance Organic Thin-Film Transistors of J-Stacked Squaraine Dyes. <i>Journal of the American Chemical Society</i> , 2014, 136, 2351-2362.	6.6	111
278	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



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279	Design and Properties of Intermediate-Sized Narrow Band-Gap Conjugated Molecules Relevant to Solution-Processed Organic Solar Cells. <i>Journal of the American Chemical Society</i> , 2014, 136, 5697-5708.	6.6	149
280	Efficiency Improvement of Solution-Processed Dithienopyrrole-Based $\pi$ -Oligothiophene Bulk-Heterojunction Solar Cells by Solvent Vapor Annealing. <i>Advanced Energy Materials</i> , 2014, 4, 1400266.	10.2	144
281	D-A-D structured organic molecules with diketopyrrolopyrrole acceptor unit for solution-processed organic solar cells. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20130009.	1.6	6
282	Methanothermal treatment of carbonated mixtures of PbSO <sub>4</sub> and PbO <sub>2</sub> to synthesize $\pm$ -PbO for lead acid batteries. <i>Journal of Power Sources</i> , 2014, 248, 363-369.	4.0	27
283	Locked Planarity: A Strategy for Tailoring Ladder-Type $\pi$ -Conjugated Anilido-Pyridine Boron Difluorides. <i>Journal of Organic Chemistry</i> , 2014, 79, 459-464.	1.7	25
284	Benzo[1,2-b:4,5-b']dithiophene and benzotriazole based small molecule for solution-processed organic solar cells. <i>Organic Electronics</i> , 2014, 15, 405-413.	1.4	42
285	Consequences of hydrogen bonding on molecular organization and charge transport in molecular organic photovoltaic materials. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1541-1549.	5.2	38
286	Pentalenes with novel topologies: exploiting the cascade carbopalladation reaction between alkynes and gem-dibromoolefins. <i>Chemical Science</i> , 2014, 5, 965-972.	3.7	59
287	Design and Synthesis of Molecular Donors for Solution-Processed High-Efficiency Organic Solar Cells. <i>Accounts of Chemical Research</i> , 2014, 47, 257-270.	7.6	446
288	$\pi$ -Conjugated Zwitterions as Paradigm of Donor-Acceptor Building Blocks in Organic-Based Materials. <i>Accounts of Chemical Research</i> , 2014, 47, 319-329.	7.6	105
289	Impact of fluorinated end groups on the properties of acceptor-donor-acceptor type oligothiophenes for solution-processed photovoltaic cells. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1337-1345.	2.7	19
290	Exploiting the potential of 2-((5-(4-(diphenylamino)phenyl)thiophen-2-yl)methylene)malononitrile as an efficient donor molecule in vacuum-processed bulk-heterojunction organic solar cells. <i>RSC Advances</i> , 2014, 4, 5236.	1.7	42
291	Synthesis and chemical-optical characterization of novel two-photon fluorescent borinates derived from Schiff bases. <i>Journal of Organometallic Chemistry</i> , 2014, 755, 33-40.	0.8	14
292	Linkage position influences of anthracene and tricyanovinyl groups on the opto-electrical and photovoltaic properties of anthracene-based organic small molecules. <i>Tetrahedron</i> , 2014, 70, 1176-1186.	1.0	8
293	Influence of the Position of the Side Chain on Crystallization and Solar Cell Performance of DPP-Based Small Molecules. <i>Chemistry of Materials</i> , 2014, 26, 916-926.	3.2	113
294	Recent advances of non-fullerene, small molecular acceptors for solution processed bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1201-1213.	5.2	361
295	Modeling of internal conversion in photoexcited conjugated molecular donors used in organic photovoltaics. <i>Energy and Environmental Science</i> , 2014, 7, 1175.	15.6	19
296	Panchromatic small molecules for UV-Vis-NIR photodetectors with high detectivity. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2431.	2.7	54

#	ARTICLE	IF	CITATIONS
297	Effect of Substituents on Optical Properties and Charge-Carrier Polarity of Squaraine Dyes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1793-1799.	1.5	20
298	Diyne-Functionalized Fullerene Self-Assembly for Thin Film Solid-State Polymerization. <i>Macromolecules</i> , 2014, 47, 721-728.	2.2	28
299	Synthesis and photoreactivity of $\beta$ -diketone-type precursors of acenes and their use in organic-device fabrication. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2014, 18, 50-70.	5.6	62
300	A bipolar small molecule based on indacenodithiophene and diketopyrrolopyrrole for solution processed organic solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 778-784.	5.2	87
301	The Role of Solvent Additive Processing in High Performance Small Molecule Solar Cells. <i>Chemistry of Materials</i> , 2014, 26, 6531-6541.	3.2	58
302	Isoidigo-Containing Molecular Semiconductors: Effect of Backbone Extension on Molecular Organization and Organic Solar Cell Performance. <i>Chemistry of Materials</i> , 2014, 26, 6570-6577.	3.2	28
303	Synthesis, characterization and photovoltaic properties of benzo[1,2-b:4,5-b <sup>2</sup> ]dithiophene-bridged molecules. <i>RSC Advances</i> , 2014, 4, 63260-63267.	1.7	11
304	Solvent-resistant small molecule solar cells by roll-to-roll fabrication via introduction of azide cross-linkable group. <i>Synthetic Metals</i> , 2014, 195, 299-305.	2.1	10
305	Impact of the Electron-Transport Layer on the Performance of Solution-Processed Small-Molecule Organic Solar Cells. <i>ChemSusChem</i> , 2014, 7, 2358-2364.	3.6	40
306	Supramolecular Engineering of Oligothiophene Nanorods without Insulators: Hierarchical Association of Rosettes and Photovoltaic Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 16128-16137.	1.7	41
307	Benzobisthiazole as Weak Donor for Improved Photovoltaic Performance: Microwave Conductivity Technique Assisted Molecular Engineering. <i>Advanced Functional Materials</i> , 2014, 24, 28-36.	7.8	35
308	An Efficient Tin-Free Route to Small Molecules Based on Silole-Modified Pentathiophenes for Solution-Processed Organic Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 984-993.	1.3	1
309	The Effects of Side-Chain-Induced Disorder on the Emission Spectra and Quantum Yields of Oligothiophene Nanoaggregates: A Combined Experimental and MD-TDDFT Study. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10464-10473.	1.1	14
310	Surface Architectures Built around Perylenediimide Stacks. <i>Chemistry - A European Journal</i> , 2014, 20, 17143-17151.	1.7	15
311	Solution-Processed Organic Solar Cells Based on Dialkylthiol-Substituted Benzodithiophene Unit with Efficiency near 10%. <i>Journal of the American Chemical Society</i> , 2014, 136, 15529-15532.	6.6	670
312	Impact of processing on the chemical and electronic properties of phenyl-C <sub>61</sub> -butyric acid methyl ester. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7934.	2.7	16
313	Enhanced external quantum efficiency employing organic anode interfacial layers. , 2014, , .		0
314	Optical gap in herringbone and $\pi$ -stacked crystals of [1]benzothieno[3,2-b]benzothiophene and its brominated derivative. <i>CrystEngComm</i> , 2014, 16, 7389-7392.	1.3	37

#	ARTICLE	IF	CITATIONS
315	Synthesis and photovoltaic performances in solution-processed BHJs of oligothiophene-substituted organocobalt complexes [(1,4-C4(nT)4)Co(1,5-C5H5)]. <i>Chemical Communications</i> , 2014, 50, 8663-8666.	2.2	11
316	Structure–property relationship of anilino-squaraines in organic solar cells. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 1067-1077.	1.3	47
317	High performance asymmetrical push–pull small molecules end-capped with cyanophenyl for solution-processed solar cells. <i>Chemical Communications</i> , 2014, 50, 10251-10254.	2.2	61
318	Synthesis and properties of pyrrolo[3,2-b]pyrrole-1,4-diones (isoDPP) derivatives. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4276.	2.7	13
319	A non-fullerene acceptor with all $\pi$ -units realizing high open-circuit voltage solution-processed organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2657.	5.2	21
320	Design of donor–acceptor star-shaped oligomers for efficient solution-processible organic photovoltaics. <i>Faraday Discussions</i> , 2014, 174, 313-339.	1.6	44
321	7-Azaisoindigo as a new electron deficient component of small molecule chromophores for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1085-1092.	5.2	27
322	Marked effects of indolyl vs. indolyl substituent on solid-state structure, carrier mobility and photovoltaic efficiency of asymmetrical squaraine dyes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 18313-18321.	5.2	28
323	A diketopyrrolopyrrole and benzothiadiazole based small molecule electron acceptor: design, synthesis, characterization and photovoltaic properties. <i>RSC Advances</i> , 2014, 4, 57635-57638.	1.7	43
324	High-efficiency solution-processed small-molecule solar cells featuring gold nanoparticles. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19988-19993.	5.2	9
325	Two-dimensional benzodithiophene and benzothiadiazole based solution-processed small molecular organic field-effect transistors & solar cells. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3921.	2.7	41
326	Effect of structural variation on photovoltaic characteristics of phenyl substituted diketopyrrolopyrroles. <i>RSC Advances</i> , 2014, 4, 14101-14108.	1.7	15
327	A high-performance solution-processed small molecule: alkylselenophene-substituted benzodithiophene organic solar cell. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4937-4946.	2.7	34
328	Tuning morphology and photovoltaic properties of diketopyrrolopyrrole-based small-molecule solar cells by tailoring end-capped aromatic groups. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4664.	1.3	19
329	Ambipolar organic semiconductors with cascades of energy levels for generating long-lived charge separated states: a donor–acceptor <sub>1</sub> –acceptor <sub>2</sub> architectural triarylamine dye. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5466-5470.	2.7	38
330	Synthesis of EDOT-containing organic dyes via one-pot, four-component Suzuki–Miyaura coupling and the evaluation of their photovoltaic properties. <i>Tetrahedron</i> , 2014, 70, 8690-8695.	1.0	17
331	Elucidation of the Structure–Property Relationship of p-Type Organic Semiconductors through Rapid Library Construction via a One-Pot, Suzuki–Miyaura Coupling Reaction. <i>ACS Combinatorial Science</i> , 2014, 16, 494-499.	3.8	23
332	Aggregation Studies of Dipolar Coumarin-153 Dye in Polar Solvents: A Photophysical Study. <i>Journal of Physical Chemistry A</i> , 2014, 118, 6950-6964.	1.1	27

#	ARTICLE	IF	CITATIONS
333	Structure-Property Relationship Study of Substitution Effects on Isoindigo-Based Model Compounds as Electron Donors in Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 14533-14542.	4.0	29
334	Evaluation of Heterocycle-Modified Pentathiophene-Based Molecular Donor Materials for Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 5798-5809.	4.0	44
335	Progress in flexible dye solar cell materials, processes and devices. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10788-10817.	5.2	135
336	The impact of molecular planarity on electronic devices in thienoisindigo-based organic semiconductors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 10455-10467.	2.7	35
337	Solution-processed, indacenodithiophene-based, small-molecule organic field-effect transistors and solar cells. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7523.	2.7	39
338	DTBDT-TTPD: a new dithienobenzodithiophene-based small molecule for use in efficient photovoltaic devices. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16443-16451.	5.2	25
339	The synthesis of 5-alkyl[3,4-c]thienopyrrole-4,6-dione-based polymers using a Pd-catalyzed oxidative C-H/C-H homopolymerization reaction. <i>Chemical Communications</i> , 2014, 50, 12497-12499.	2.2	38
340	Introducing asymmetry in tetradentate azadipyromethene chromophores: a systematic study of the impact on electronic and photophysical properties. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22207-22221.	1.3	9
341	Rhodanine dye-based small molecule acceptors for organic photovoltaic cells. <i>Chemical Communications</i> , 2014, 50, 8235-8238.	2.2	121
342	Organic photovoltaics: key photophysical, device and design aspects. <i>Journal of Modern Optics</i> , 2014, 61, 1703-1713.	0.6	3
343	Influence of moiety sequence on the performance of small molecular photovoltaic materials. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15396-15405.	5.2	33
344	Molecular engineering of small molecules donor materials based on phenoxazine core unit for solution-processed organic solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10465-10469.	5.2	15
345	Electron deficient diketopyrrolopyrrole dyes for organic electronics: synthesis by direct arylation, optoelectronic characterization, and charge carrier mobility. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4198-4207.	5.2	83
346	New conjugated molecular scaffolds based on [2,2]paracyclophane as electron acceptors for organic photovoltaic cells. <i>Chemical Communications</i> , 2014, 50, 9939-9942.	2.2	40
347	Effect of thermal annealing on active layer morphology and performance for small molecule bulk heterojunction organic solar cells. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7247-7255.	2.7	70
348	Direct comparison of a covalently-linked dyad and a 1:1 mixture of tetrabenzoporphyrin and fullerene as organic photovoltaic materials. <i>Chemical Communications</i> , 2014, 50, 10379.	2.2	33
349	Indole and triisopropyl phenyl as capping units for a diketopyrrolopyrrole (DPP) acceptor central unit: an efficient D-A-D type small molecule for organic solar cells. <i>RSC Advances</i> , 2014, 4, 732-742.	1.7	23
350	Soluble squaraine derivatives for 4.9% efficient organic photovoltaic cells. <i>RSC Advances</i> , 2014, 4, 42804-42807.	1.7	31

#	ARTICLE	IF	CITATIONS
351	A new class of organic photovoltaic materials: poly(rod-coil) polymers having alternative conjugated and non-conjugated segments. <i>Chemical Communications</i> , 2014, 50, 7720-7722.	2.2	16
352	The role of solvent vapor annealing in highly efficient air-processed small molecule solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9048.	5.2	133
353	Effect of crystallinity in small molecular weight organic heterojunction solar cells. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5357.	2.7	26
354	Synthesis and characterization of benzo- and naphtho[2,1-b:3,4-b <sup>2</sup> ]dithiophene-containing oligomers for photovoltaic applications. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4879-4892.	2.7	21
355	High efficiency solution-processed two-dimensional small molecule organic solar cells obtained via low-temperature thermal annealing. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15904-15911.	5.2	48
356	Indacenodithiophene core-based small molecules with tunable side chains for solution-processed bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4004.	5.2	32
357	Long-Distance Electronic Energy Transfer in Light-Harvesting Supramolecular Polymers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13609-13613.	7.2	91
358	A low bandgap asymmetrical squaraine for high-performance solution-processed small molecule organic solar cells. <i>Chemical Communications</i> , 2014, 50, 9346-9348.	2.2	36
359	The effect of branched versus linear alkyl side chains on the bulk heterojunction photovoltaic performance of small molecules containing both benzodithiophene and thienopyrroledione. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19874-19883.	1.3	34
360	Oligothiophene-modified silver/silica core-shell nanoparticles for inhibiting open-circuit voltage drop and aggregation in polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15357-15364.	5.2	11
361	Side-chain fullerene polyesters: a new class of high refractive index polymers. <i>Materials Horizons</i> , 2014, 1, 247-250.	6.4	21
362	New solution processed bulk-heterojunction organic solar cells based on a triazine-bridged porphyrin dyad as electron donor. <i>RSC Advances</i> , 2014, 4, 50819-50827.	1.7	14
363	Squaraines as light-capturing materials in photovoltaic cells. <i>RSC Advances</i> , 2014, 4, 32987-32996.	1.7	28
364	Colorless, Transparent, Dye-Doped Polymer Films Exhibiting Tunable Luminescence Color: Controlling the Dual-Color Luminescence of 2-(2-Hydroxyphenyl)imidazo[1,2-a]pyridine Derivatives with the Surrounding Matrix. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 16065-16070.	4.0	66
365	Interplay between efficiency and device architecture for small molecule organic solar cells. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 11398.	1.3	10
366	Chain Length Dependence of the Photovoltaic Properties of Monodisperse Donor-Acceptor Oligomers as Model Compounds of Polydisperse Low Band Gap Polymers. <i>Advanced Functional Materials</i> , 2014, 24, 7538-7547.	7.8	58
367	Triphenylamine modified bis-diketopyrrolopyrrole molecular donor materials with extended conjugation for bulk heterojunction solar cells. <i>Organic Electronics</i> , 2014, 15, 2575-2586.	1.4	17
368	Orbital Redistribution in Molecular Nanostructures Mediated by Metal-Organic Bonds. <i>ACS Nano</i> , 2014, 8, 10715-10722.	7.3	36

#	ARTICLE	IF	CITATIONS
369	Synthesis and properties of low bandgap star molecules TPA-[DTS-PyBTTh3]3 and DMM-TPA[DTS-PyBTTh3]3 for solution-processed bulk heterojunction organic solar cells. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8412-8422.	2.7	19
370	A high-performance photovoltaic small molecule developed by modifying the chemical structure and optimizing the morphology of the active layer. <i>RSC Advances</i> , 2014, 4, 31977-31980.	1.7	54
371	Design, synthesis and photophysical studies of dipyrromethene-based materials: insights into their applications in organic photovoltaic devices. <i>Chemical Society Reviews</i> , 2014, 43, 3342-3405.	18.7	472
372	Extended Narrow Bandgap Diketopyrrolopyrrole-Based Oligomers for Solution-Processed Inverted Organic Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400879.	10.2	47
373	NIR-Absorbing Merocyanine Dyes for BHJ Solar Cells. <i>Chemistry of Materials</i> , 2014, 26, 4856-4866.	3.2	53
374	A Series of Squaraine Dyes: Effects of Side Chain and the Number of Hydroxyl Groups on Material Properties and Photovoltaic Performance. <i>Chemistry of Materials</i> , 2014, 26, 1356-1364.	3.2	119
375	High-Performance Inverted Tandem Polymer Solar Cells Utilizing Thieno[3,4- <i>c</i> ]pyrrole-4,6-dione Copolymer. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 13079-13087.	4.0	9
376	A solution-processable electron acceptor based on diketopyrrolopyrrole and naphthalenediimide motifs for organic solar cells. <i>Tetrahedron Letters</i> , 2014, 55, 4430-4432.	0.7	35
377	New Molecular Donors with Dithienopyrrole as the Electron-Donating Group for Efficient Small-Molecule Organic Solar Cells. <i>Chemistry of Materials</i> , 2014, 26, 4361-4367.	3.2	54
378	Open-circuit voltage up to 1.07V for solution processed small molecule based organic solar cells. <i>Organic Electronics</i> , 2014, 15, 2285-2294.	1.4	32
379	Small band gap D-A-D benzothiadiazole derivatives with low-lying HOMO levels as potential donors for applications in organic photovoltaics: a combined experimental and theoretical investigation. <i>RSC Advances</i> , 2014, 4, 35318-35331.	1.7	43
380	All-Organic and Fully-Printed Semitransparent Photodetectors Based on Narrow Bandgap Conjugated Molecules. <i>Advanced Materials</i> , 2014, 26, 6773-6777.	11.1	88
381	Gold(III) Corroles for High Performance Organic Solar Cells. <i>Advanced Functional Materials</i> , 2014, 24, 4655-4665.	7.8	48
382	Achieving high sensitivity in hybrid photodetectors based on an organic single crystal and an inorganic nanocrystal array. <i>Nanotechnology</i> , 2014, 25, 035202.	1.3	7
383	Effects of Shortened Alkyl Chains on Solution-Processable Small Molecules with Oxo-Alkylated Nitrile End-Capped Acceptors for High-Performance Organic Solar Cells. <i>Advanced Energy Materials</i> , 2014, 4, 1400538.	10.2	79
384	Solution-Processed, Molecular Photovoltaics that Exploit Hole Transfer from Non-Fullerene, n-Type Materials. <i>Advanced Materials</i> , 2014, 26, 4313-4319.	11.1	76
385	Solution processable star-shaped molecules with a triazine core and branching thienylenevinylenes for bulk heterojunction solar cells. <i>RSC Advances</i> , 2014, 4, 48150-48162.	1.7	20
386	Convenient access to readily soluble symmetrical dialkyl-substituted 1,3-oligofurans. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6661-6671.	1.5	8

#	ARTICLE	IF	CITATIONS
387	A non-fullerene electron acceptor based on fluorene and diketopyrrolopyrrole building blocks for solution-processable organic solar cells with an impressive open-circuit voltage. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23837-23842.	1.3	63
388	Influence of Molecular Packing on Intramolecular Reorganization Energy: A Case Study of Small Molecules. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14848-14852.	1.5	31
389	Aâ€“Dâ€“Aâ€“type <i>S</i>,<i>N</i>â€“Heteropentacenes: Nextâ€“Generation Molecular Donor Materials for Efficient Vacuumâ€“Processed Organic Solar Cells. <i>Advanced Materials</i> , 2014, 26, 7217-7223.	11.1	82
390	Vacuum processable donor material based on dithieno[3,2-b:2â€²,3â€²-d]thiophene and pyrene for efficient organic solar cells. <i>RSC Advances</i> , 2014, 4, 24453-24457.	1.7	6
391	Photoexcitation of Light-Harvesting Câ€“Pâ€“C<sub>60</sub> Triads: A FLMO-TD-DFT Study. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 2436-2448.	2.3	30
392	Smallâ€“Molecule Planarâ€“Mixed Heterojunction Photovoltaic Cells with Fullereneâ€“Based Electron Filtering Buffers. <i>Advanced Energy Materials</i> , 2014, 4, 1301557.	10.2	54
393	Transient space-charge-perturbed currents in organic materials: A Monte Carlo study. <i>Organic Electronics</i> , 2014, 15, 524-530.	1.4	14
394	Application of Small Molecule Donor Materials Based on Phenothiazine Core Unit in Bulk Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16851-16855.	1.5	24
395	Photophysical, electrochemical and solid state properties of diketopyrrolopyrrole based molecular materials: importance of the donor group. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3457-3466.	2.7	96
396	Effect of additives on the photovoltaic properties of organic solar cells based on triphenylamine-containing amorphous molecules. <i>Science China Chemistry</i> , 2014, 57, 966-972.	4.2	15
397	Synthesis and photovoltaic properties of Dâ€“Aâ€“D type small molecules containing diketopyrrolopyrrole (DPP) acceptor central unit with different donor terminal units. <i>Organic Electronics</i> , 2014, 15, 2116-2125.	1.4	20
398	Efficient Diketopyrrolopyrroleâ€“Based Smallâ€“Molecule Bulkâ€“Heterojunction Solar Cells with Different Electronâ€“Donating Endâ€“Groups. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2505-2513.	1.7	14
399	Efficient Zinc Phthalocyanine/C<sub>60</sub> Heterojunction Photovoltaic Devices Employing Tetracene Anode Interfacial Layers. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 7254-7259.	4.0	21
400	A Combined Experimental and Theoretical Study of Conformational Preferences of Molecular Semiconductors. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15610-15623.	1.5	57
401	Theoretical study on molecular packing and electronic structure of bi-1,3,4-oxadiazole derivatives. <i>RSC Advances</i> , 2014, 4, 51942-51949.	1.7	7
402	Design and Computational Characterization of Non-Fullerene Acceptors for Use in Solution-Processable Solar Cells. <i>Journal of Physical Chemistry A</i> , 2014, 118, 7939-7951.	1.1	37
403	Importance of the Donor:Fullerene Intermolecular Arrangement for High-Efficiency Organic Photovoltaics. <i>Journal of the American Chemical Society</i> , 2014, 136, 9608-9618.	6.6	302
404	Synthesis of squaraine-based alternated ð-conjugated copolymers: from conventional cross-coupling reactions to metal-free polycondensation. <i>Polymer Chemistry</i> , 2014, 5, 7100-7108.	1.9	17

#	ARTICLE	IF	CITATIONS
405	Hole-transporting thiophene-based hydrazones with reactive vinyl groups. <i>Synthetic Metals</i> , 2014, 197, 1-7.	2.1	7
406	Antiparallel three-component gradients in double-channel surface architectures. <i>Chemical Science</i> , 2014, 5, 4610-4614.	3.7	29
407	Formation of a polycrystalline film of donor material on PEDOT:PSS buffer induced by crystal nucleation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 833-841.	2.4	11
408	Polymer dots for quantifying the total hydrophobic pathogenic lysates in a single drop. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 115, 51-60.	2.5	26
409	Bulk Heterojunction Solar Cells: Morphology and Performance Relationships. <i>Chemical Reviews</i> , 2014, 114, 7006-7043.	23.0	1,115
410	Highly Efficient Vacuum-Processed Organic Solar Cells Containing Thieno[3,2- <i>b</i> ]thiophene-thiazole. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11559-11565.	1.5	21
411	A solution-processable diketopyrrolopyrrole dye molecule with (fluoronaphthyl)thienyl endgroups for organic solar cells. <i>Dyes and Pigments</i> , 2014, 101, 51-57.	2.0	40
412	Fabrication and electrical properties of an organic-inorganic device based on Coumarin 30 dye. <i>Materials Science in Semiconductor Processing</i> , 2014, 24, 187-192.	1.9	46
413	Density functional theory design and characterization of A type electron donors with narrow band gap for small-molecule organic solar cells. <i>Computational and Theoretical Chemistry</i> , 2014, 1029, 68-78.	1.1	32
414	Donor-Acceptor-Donor Modular Small Organic Molecules Based on the Naphthalene Diimide Acceptor Unit for Solution-Processable Photovoltaic Devices. <i>Journal of Electronic Materials</i> , 2014, 43, 3243-3254.	1.0	17
415	Synthesis of a Fully Conjugated Phthalocyanine-Diketopyrrolopyrrole-Phthalocyanine Triad as Low Band Gap Donor in Small Molecule Bulk Heterojunction Solar Cells. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4585-4591.	1.2	18
416	Transient Photocurrent Response of Small-Molecule Bulk Heterojunction Solar Cells. <i>Advanced Materials</i> , 2014, 26, 2486-2493.	11.1	62
417	Derivation of the open-circuit voltage of organic solar cells. <i>Physical Review B</i> , 2014, 89, .	1.1	14
418	A renewable biopolymer cathode with multivalent metal ions for enhanced charge storage. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1974-1979.	5.2	42
419	Organic Dyes Containing Fluorene Decorated with Imidazole Units for Dye-Sensitized Solar Cells. <i>Journal of Organic Chemistry</i> , 2014, 79, 3159-3172.	1.7	71
420	Symmetry and Coplanarity of Organic Molecules Affect their Packing and Photovoltaic Properties in Solution-Processed Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 9298-9306.	4.0	35
421	Non-fullerene acceptors for organic photovoltaics: an emerging horizon. <i>Materials Horizons</i> , 2014, 1, 470.	6.4	694
422	Electric Field inside a Hole-Only Device and Insights into Space-Charge-Limited Current Measurement for Organic Semiconductors. <i>Journal of Physical Chemistry C</i> , 2014, 118, 9990-9995.	1.5	25



#	ARTICLE	IF	CITATIONS
423	Assembly of peptide-thiophene conjugates: the influence of peptide content and location. <i>Supramolecular Chemistry</i> , 2014, 26, 383-391.	1.5	14
424	Photochemically produced quasi-linear copolymers for stable and efficient electrolytes in dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 289, 73-80.	2.0	73
425	Comparative Studies on Optical, Redox, and Photovoltaic Properties of a Series of D and Analogous A Chromophores. <i>Advanced Functional Materials</i> , 2014, 24, 4645-4653.	7.8	30
426	Oligothiophene Semiconductors: Synthesis, Characterization, and Applications for Organic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 5327-5343.	4.0	193
427	Cyanobuta-1,3-dienes as Novel Electron Acceptors for Photoactive Multicomponent Systems. <i>Chemistry - A European Journal</i> , 2014, 20, 202-216.	1.7	40
428	Aggregation of a Dibenzo[ <i>b</i> , <i>d</i> ]chrysene Based Organic Photovoltaic Material in Solution. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6839-6849.	1.2	8
429	Relationship between Mobilities from Time-of-Flight and Dark-Injection Space-Charge-Limited Current Measurements for Organic Semiconductors: A Monte Carlo Study. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6052-6058.	1.5	26
430	Direct arylation as a versatile tool towards thiazolo[5,4- <i>d</i> ]thiazole-based semiconducting materials. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4663-4672.	1.5	33
431	Fluorescent 2-(2-hydroxybenzofuran)benzoxazole (HBBO) borate complexes: synthesis, optical properties, and theoretical calculations. <i>Tetrahedron Letters</i> , 2014, 55, 4136-4140.	0.7	6
432	2-Substituted vs 4-substituted-9,9-spirobifluorene host materials for green and blue phosphorescent OLEDs: a structure-property relationship study. <i>Tetrahedron</i> , 2014, 70, 6337-6351.	1.0	43
433	Experimental NMR and DFT Studies of Persistent Carbocations Derived from Hetero-Polycyclic Aromatic Hydrocarbons Containing Oxygen Atom: Dibenzo[ <i>b</i> , <i>d</i> ]furan, Benzo[ <i>b</i> ]naphtho[1,2- <i>d</i> ]furan, Benzo[ <i>b</i> ]naphtho[2,3- <i>d</i> ]furan, Benzo[ <i>b</i> ]naphtho[2,1- <i>d</i> ]furan, and Dinaphtho[2,1- <i>b</i> ]:1,2,2'- <i>b</i> ]furan. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 1235-1244.	2.0	4
434	Solution-processable n-Type Semiconducting Materials Containing a Carbonyl-bridged Thiazole-fused $\pi$ System. <i>Chemistry Letters</i> , 2014, 43, 1640-1642.	0.7	5
439	Branched Thiophene Oligomer/Polymer Bulk Heterojunction Organic Solar Cell. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1737, 19.	0.1	1
440	Exploiting Dispersion-Driven Aggregators as a Route to New One-Dimensional Organic Nanowires. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4422-4428.	2.1	10
441	Highly $\pi$ -extended tetrathiafulvalene analogues derived from pentacene-5,7,12,14-tetraone. <i>RSC Advances</i> , 2015, 5, 88821-88825.	1.7	10
442	The Role of Heteroatoms Leading to Hydrogen Bonds in View of Extended Chemical Stability of Organic Semiconductors. <i>Advanced Functional Materials</i> , 2015, 25, 6679-6688.	7.8	24
443	Small Molecule Bulk-heterojunction Solar Cells Composed of Two Discrete Organic Semiconductors. <i>Chemistry Letters</i> , 2015, 44, 315-317.	0.7	2
445	Designs of Functional $\pi$ -Electron Materials based on the Characteristic Features of Boron. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 1357-1377.	2.0	224

#	ARTICLE	IF	CITATIONS
446	Efficient all polymer solar cells employing donor polymer based on benzo[1,2-b:4,5-b']dithiophene unit. <i>AIP Advances</i> , 2015, 5, 117126.	0.6	5
447	Peculiarity of Two Thermodynamically-Stable Morphologies and Their Impact on the Efficiency of Small Molecule Bulk Heterojunction Solar Cells. <i>Scientific Reports</i> , 2015, 5, 13407.	1.6	16
448	Photogenerated Intrinsic Free Carriers in Small-molecule Organic Semiconductors Visualized by Ultrafast Spectroscopy. <i>Scientific Reports</i> , 2015, 5, 17076.	1.6	52
449	Subtle Balance Between Length Scale of Phase Separation and Domain Purification in Small-Molecule Bulk-Heterojunction Blends under Solvent Vapor Treatment. <i>Advanced Materials</i> , 2015, 27, 6296-6302.	11.1	159
450	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
451	Synergistic Impact of Solvent and Polymer Additives on the Film Formation of Small Molecule Blend Films for Bulk Heterojunction Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1501121.	10.2	56
452	Tether-Directed Bisfunctionalization Reactions of C <sub>60</sub> and C <sub>70</sub> . <i>Chemistry - A European Journal</i> , 2015, 21, 7881-7885.	1.7	21
453	A Solution-Processable Molecule using Thieno[3,2- <i>b</i> ]thiophene as Building Block for Efficient Organic Solar Cells. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1791-1798.	1.7	16
454	Organic Photovoltaic Materials—Design, Synthesis and Scale-Up. <i>Chemical Record</i> , 2015, 15, 1006-1020.	2.9	7
455	Fully-printed, all-polymer integrated twilight switch. <i>Semiconductor Science and Technology</i> , 2015, 30, 104005.	1.0	12
456	Influence of the presence of Ca in the cathode buffer layer on the performance and stability of organic photovoltaic cells using a branched sexithienylenevinylene oligomer as electron donor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 1767-1773.	0.8	7
457	Rational Design of Small Molecular Donor for Solution-Processed Organic Photovoltaics with 8.1% Efficiency and High Fill Factor via Multiple Fluorine Substituents and Thiophene Bridge. <i>Advanced Functional Materials</i> , 2015, 25, 3514-3523.	7.8	114
458	The Evidence for Fullerene Aggregation in High-Performance Small-Molecule Solar Cells by Molecular Dynamics Simulation. <i>Advanced Electronic Materials</i> , 2015, 1, 1500217.	2.6	18
459	An Electron-Accepting Chromophore Based on Fluorene and Naphthalenediimide Building Blocks for Solution-Processable Bulk Heterojunction Devices. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 800-807.	1.3	11
460	Enhancement in Organic Photovoltaic Efficiency through the Synergistic Interplay of Molecular Donor Hydrogen Bonding and $\pi$ - $\pi$ Stacking. <i>Advanced Functional Materials</i> , 2015, 25, 5166-5177.	7.8	27
461	Toward Additive-Free Small-Molecule Organic Solar Cells: Roles of the Donor Crystallization Pathway and Dynamics. <i>Advanced Materials</i> , 2015, 27, 7285-7292.	11.1	56
462	Conjoint use of Dibenzosilole and Indan-1,3-dione Functionalities to Prepare an Efficient Non-Fullerene Acceptor for Solution-Processable Bulk-Heterojunction Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 1096-1102.	1.3	23
463	Low-Energy-Gap Organic Based Acceptor-Donor-Acceptor Conjugated Small Molecules for Bulk-Heterojunction Organic Solar Cells. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4629-4634.	1.2	9

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464	Synthesis and Conformation of 3,6-Connected Cyclohexadiene Chains. <i>Macromolecular Rapid Communications</i> , 2015, 36, 898-902.	2.0	1
465	Thieno, Furo, and Selenopheno[3,4- <i>c</i> ]pyrrole-4,6-dione Copolymers: Air-Processed Polymer Solar Cells with Power Conversion Efficiency up to 7.1%. <i>Advanced Energy Materials</i> , 2015, 5, 1501213.	10.2	20
466	Deposition Growth and Morphologies of C <sub>60</sub> on DTDCTB Surfaces: An Atomistic Insight into the Integrated Impact of Surface Stability, Landscape, and Molecular Orientation. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500329.	1.9	23
468	A PBC-DFT study of electronic properties of substituted polythiophenes. <i>Journal of Physical Organic Chemistry</i> , 2015, 28, 695-702.	0.9	3
469	Efficient synthesis of $\pi$ -conjugated molecules incorporating fluorinated phenylene units through palladium-catalyzed iterative C(sp <sup>2</sup> )-H bond arylations. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2012-2020.	1.3	8
470	Rational Design of Diketopyrrolopyrrole-Based Small Molecules as Donating Materials for Organic Solar Cells. <i>International Journal of Molecular Sciences</i> , 2015, 16, 20326-20343.	1.8	24
471	Isoindigo-Based Small Molecules with Varied Donor Components for Solution-Processable Organic Field Effect Transistor Devices. <i>Molecules</i> , 2015, 20, 17362-17377.	1.7	8
472	Significant Improvement of Optoelectronic and Photovoltaic Properties by Incorporating Thiophene in a Solution-Processable D-A-D Modular Chromophore. <i>Molecules</i> , 2015, 20, 21787-21801.	1.7	10
473	Structural Dependence of Electronic Properties in A-A-D-A-A-Type Organic Solar Cell Material. <i>International Journal of Photoenergy</i> , 2015, 2015, 1-7.	1.4	3
474	Evaluation of the charge transfer efficiency of organic thin-film photovoltaic devices fabricated using a photoprecursor approach. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 883-890.	1.6	8
475	Solution processable low bandgap thienoisindigo-based small molecules for organic electronic devices. <i>RSC Advances</i> , 2015, 5, 50098-50104.	1.7	17
476	Solution-Processed Diketopyrrolopyrrole-Containing Small-Molecule Organic Solar Cells with 7.0% Efficiency: In-Depth Investigation on the Effects of Structure Modification and Solvent Vapor Annealing. <i>Chemistry of Materials</i> , 2015, 27, 4338-4348.	3.2	104
477	Tethered Bisadducts of C <sub>60</sub> and C <sub>70</sub> with Addends on a Common Hexagonal Face and a 12-Membered Hole in the Fullerene Cage. <i>Journal of the American Chemical Society</i> , 2015, 137, 7502-7508.	6.6	54
478	A low bandgap carbazole based small molecule for organic solar cells. <i>Organic Electronics</i> , 2015, 24, 89-95.	1.4	16
479	Squaraine dyes for organic photovoltaic cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14517-14534.	5.2	201
480	A mono(carboxy)porphyrin-triazine-(bodypy) <sub>2</sub> triad as a donor for bulk heterojunction organic solar cells. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6209-6217.	2.7	29
481	Tuning the Direction of Intramolecular Charge Transfer and the Nature of the Fluorescent State in a T-Shaped Molecular Dyad. <i>Journal of Physical Chemistry A</i> , 2015, 119, 6283-6295.	1.1	29
482	Correlating Molecular Structures with Transport Dynamics in High-Efficiency Small-Molecule Organic Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 13137-13141.	4.0	15

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483	Design, synthesis and photophysical properties of A-D-A-D-A small molecules for photovoltaic application. <i>Dyes and Pigments</i> , 2015, 121, 99-108.	2.0	10
484	Organic Semiconductor Photovoltaic Materials. <i>Lecture Notes in Quantum Chemistry II</i> , 2015, , 165-194.	0.3	0
485	Asymmetrical Squaraines Bearing Fluorine-Substituted Indoline Moieties for High-Performance Solution-Processed Small-Molecule Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 13675-13684.	4.0	39
486	A Solution-Processable Dithienyldiketopyrrolopyrrole Dye Molecule with Acetylene as a Linkage for Organic Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 470-476.	1.3	8
487	A new unsymmetrical near-IR small molecule with squaraine chromophore for solution processed bulk heterojunction solar cells. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7029-7037.	2.7	16
488	Deep Absorbing Porphyrin Small Molecule for High-Performance Organic Solar Cells with Very Low Energy Losses. <i>Journal of the American Chemical Society</i> , 2015, 137, 7282-7285.	6.6	436
489	Functional tuning of oligothiophenes: the effect of solvent vapor annealing on blend morphology and solar cell performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 13738-13748.	5.2	32
490	A DFT/TDDFT mission to probe push-pull vinyl coupled thiophene oligomers for optoelectronic applications. <i>RSC Advances</i> , 2015, 5, 50353-50364.	1.7	22
491	How substitution tunes the electronic and transport properties of oligothiophenes, oligoselenophenes and oligotellurophenes. <i>Synthetic Metals</i> , 2015, 210, 236-244.	2.1	4
492	S,N-Heteropentacene based small molecules with a structure for solution processed organic bulk heterojunction solar cells. <i>RSC Advances</i> , 2015, 5, 102115-102125.	1.7	9
493	Benchmarking Ground-State Geometries and Vertical Excitation Energies of a Selection of P-Type Semiconducting Molecules with Different Polarity. <i>Journal of Physical Chemistry A</i> , 2015, 119, 12876-12891.	1.1	25
494	Printed photodetectors. <i>Semiconductor Science and Technology</i> , 2015, 30, 104006.	1.0	33
495	Structural and morphological tuning of dithienobenzodithiophene-core small molecules for efficient solution processed organic solar cells. <i>Dyes and Pigments</i> , 2015, 115, 23-34.	2.0	22
496	New generation solar cells: concepts, trends and perspectives. <i>Chemical Communications</i> , 2015, 51, 3957-3972.	2.2	170
497	A Series of Extended Thiadiazoles Fused with Electron-Donating Heteroaromatic Moieties: Synthesis, Properties, and Polymorphic Crystals. <i>Chemistry - A European Journal</i> , 2015, 21, 3115-3128.	1.7	34
498	Novel push-pull dendrons with high excited state dipole moments. Synthesis and theoretical analysis of unusual branched electron distribution. <i>Journal of Molecular Structure</i> , 2015, 1086, 17-24.	1.8	2
499	N,N-Diarylamino end-capping as a new strategy for simultaneously enhancing open-circuit voltage, short-circuit current density and fill factor in small molecule organic solar cells. <i>RSC Advances</i> , 2015, 5, 20724-20733.	1.7	17
500	A DFT study of charge-transfer and opto-electronic properties of some new materials involving carbazole units. <i>Computational Condensed Matter</i> , 2015, 3, 30-40.	0.9	50

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501	A small molecule with selenophene as the central block for high performance solution-processed organic solar cells. <i>Organic Electronics</i> , 2015, 19, 98-104.	1.4	13
502	Improving Solar Cell Efficiency through Hydrogen Bonding: A Method for Tuning Active Layer Morphology. <i>Chemistry of Materials</i> , 2015, 27, 1201-1209.	3.2	71
503	Dibenzocarbazole-diimides: Synthesis, Solid Structure, Self-Assembly Behavior, and Optoelectronic Properties. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1344-1353.	1.7	9
504	Donor-acceptor-acceptor based charge transfer chromophore as electron donors for solution processed small molecule organic bulk heterojunction solar cells. <i>Organic Electronics</i> , 2015, 19, 76-82.	1.4	27
505	Oligothiophenes with the naphthalene core for organic thin-film transistors: variation in positions of bithiophenyl attachment to the naphthalene. <i>Synthetic Metals</i> , 2015, 202, 73-81.	2.1	15
507	A-Type Oligothiophenes for Small Molecule Organic Solar Cells: Extending the System by Introduction of Ring-Locked Double Bonds. <i>Advanced Functional Materials</i> , 2015, 25, 1845-1856.	7.8	35
508	Synthesis of indolo[1,2-f]phenanthridines by Pd-catalyzed domino C-N coupling/hydroamination/C-H arylation reactions. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3321-3330.	1.5	23
509	N-acyl-dithieno[3,2-b:2',3'-d]pyrrole-based low bandgap copolymers affording improved open-circuit voltages and efficiencies in polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2015, 136, 70-77.	3.0	13
510	Electrochromic and liquid crystalline polycarbonates based on telechelic oligothiophenes. <i>Polymer Chemistry</i> , 2015, 6, 1230-1235.	1.9	3
511	Organic Donor Materials Based on Bis(arylene ethynylene)s for Bulk Heterojunction Organic Solar Cells with High Voc Values. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1017-1024.	1.7	9
512	A small molecules for solution-processed organic photovoltaic cells. <i>Chemical Communications</i> , 2015, 51, 4936-4950.	2.2	188
513	Novel solution-processible small molecules based on benzo[1,2-b:3,4-b':5,6-b''-a']trithiophene for effective organic photovoltaics with high open-circuit voltage. <i>RSC Advances</i> , 2015, 5, 14540-14546.	1.7	11
514	Solution processed organic solar cells based on a small molecule with benzo[1,2-b:4,5-b':d']dithiophene donor (D <sup>2</sup> ) unit, cyclopentadithiophene donor (D) and ethylrhodanine acceptor unit having 6% light to energy conversion efficiency. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4892-4902.	5.2	23
515	A molecular nematic liquid crystalline material for high-performance organic photovoltaics. <i>Nature Communications</i> , 2015, 6, 6013.	5.8	541
516	Dithienogermole-Containing Small-Molecule Solar Cells with 7.3% Efficiency: In-Depth Study on the Effects of Heteroatom Substitution of Si with Ge. <i>Advanced Energy Materials</i> , 2015, 5, 1402044.	10.2	40
517	The locally twisted thiophene bridged phenanthroimidazole derivatives as dual-functional emitters for efficient non-doped electroluminescent devices. <i>Organic Electronics</i> , 2015, 18, 61-69.	1.4	21
518	Naphtho[4,3,2,1-Imn][2,9]phenanthrolines: Synthesis, Characterization, optical properties and light-induced electron transfer in composites with the semiconducting polymer MEH-PPV. <i>Synthetic Metals</i> , 2015, 201, 43-48.	2.1	9
519	Designing a thiophene-fused DPP unit to build an A molecule for solution-processed solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6894-6900.	5.2	28

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520	Effects of end-capped acceptors subject to subtle structural changes on solution-processable small molecules for organic solar cells. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8894-8900.	1.3	21
521	Novel Small Molecular Materials Based on Phenoxazine Core Unit for Efficient Bulk Heterojunction Organic Solar Cells and Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2015, 27, 1808-1814.	3.2	100
522	Exploring the Electronic Structure of an Organic Semiconductor Based on a Compactly Fused Electron Donor-Acceptor Molecule. <i>ChemPhysChem</i> , 2015, 16, 1361-1365.	1.0	8
523	A Lysinated Thiophene-Based Semiconductor as a Multifunctional Neural Bioorganic Interface. <i>Advanced Healthcare Materials</i> , 2015, 4, 1190-1202.	3.9	20
524	Structure-Property Relationships: Asymmetric Alkylphenyl-Substituted Anthracene Molecules for Use in Small-Molecule Solar Cells. <i>ChemSusChem</i> , 2015, 8, 1548-1556.	3.6	5
525	Poly(vinyl pyrrolidone) Mediated Solubilization and Stabilization of Fullerene C <sub>60</sub> in the Form of Nanofluid in an Alcoholic Medium. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 1064-1072.	1.0	9
526	Merocyanines for vacuum-deposited small-molecule organic solar cells. <i>Organic Electronics</i> , 2015, 26, 319-326.	1.4	15
527	Organic dyes containing fluoreneamine donor and carbazole $\pi$ -linker for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2015, 123, 154-165.	2.0	31
528	Structure-Property Relationships for Exciton and Charge Reorganization Energies of Dipolar Organic Semiconductors: A Combined Valence Bond Self-Consistent Field and Time-Dependent Hartree-Fock and DFT Study of Merocyanine Dyes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17602-17611.	1.5	26
529	First Principle Analysis of Charge Dissociation and Charge Recombination Processes in Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18870-18876.	1.5	8
530	Naphtho[2,1-b:3,4-b <sup>2</sup> ]bisthieno[3,2-b][1]benzothiophene-based semiconductors for organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8024-8029.	2.7	8
531	N-type semiconducting perylene diimide based molecules for organic solar cells. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1733, 27.	0.1	0
532	Key components to the recent performance increases of solution processed non-fullerene small molecule acceptors. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16393-16408.	5.2	157
533	Mechanism of Solubilizing Fullerene C <sub>60</sub> in Presence of Poly(Vinyl pyrrolidone) Molecules in Water. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 906-916.	1.0	11
534	Investigation of the effect of large aromatic fusion in the small molecule backbone on the solar cell device fill factor. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16679-16687.	5.2	26
535	p/n-Polarity of thiophene oligomers in photovoltaic cells: role of molecular vs. supramolecular properties. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10630-10639.	1.3	16
536	Novel iridium(III) complexes based on 2-(2,2 <sup>TM</sup> -bithien-5-yl)-quinoline. Synthesis, photophysical, photochemical and DFT studies. <i>Materials Chemistry and Physics</i> , 2015, 162, 498-508.	2.0	12
537	Energy Level Tuning of Non-Fullerene Acceptors in Organic Solar Cells. <i>Journal of the American Chemical Society</i> , 2015, 137, 8991-8997.	6.6	147

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538	Effects of bridging atom and $\pi$ -bridge length on physical and photovoltaic properties of A $\pi$ -D $\pi$ -A oligomers for solution-processed organic solar cells. <i>Dyes and Pigments</i> , 2015, 122, 213-223.	2.0	10
539	Quantitative Characterization and Mechanism of Formation of Multilength-scale Bulk Heterojunction Structures in Highly Efficient Solution-Processed Small-Molecule Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16507-16517.	1.5	8
540	Effect of dye end groups in non-fullerene fluorene- and carbazole-based small molecule acceptors on photovoltaic performance. <i>RSC Advances</i> , 2015, 5, 62739-62746.	1.7	30
541	A facile method to synthesize [A $\pi^2$ (D $\pi^2$ AD) $\pi^2$ ]-based push-pull small molecules for organic photovoltaics. <i>RSC Advances</i> , 2015, 5, 66005-66012.	1.7	21
542	Efficient solution processed D1-A-D2-A-D1 small molecules bulk heterojunction solar cells based on alkoxy triphenylamine and benzo[1,2-b:4,5-b $\pi^2$ ]thiophene units. <i>Organic Electronics</i> , 2015, 26, 36-47.	1.4	17
543	Hot photocarrier dynamics in organic solar cells. <i>Nature Communications</i> , 2015, 6, 7558.	5.8	46
544	Design of perylene diimides for organic solar cell: Effect of molecular steric hindrance and extended conjugation. <i>Materials Chemistry and Physics</i> , 2015, 163, 152-160.	2.0	16
545	A Small Molecule Composed of Dithienopyran and Diketopyrrolopyrrole as Versatile Electron Donor Compatible with Both Fullerene and Nonfullerene Electron Acceptors for High Performance Organic Solar Cells. <i>Chemistry of Materials</i> , 2015, 27, 4865-4870.	3.2	70
546	Series of Quinoidal Methyl-Dioxycyano-Pyridine Based $\pi$ -Extended Narrow-Bandgap Oligomers for Solution-Processed Small-Molecule Organic Solar Cells. <i>Chemistry of Materials</i> , 2015, 27, 4719-4730.	3.2	52
547	Effective D-A-D type chromophore of fumaronitrile-core and terminal alkylated bithiophene for solution-processed small molecule organic solar cells. <i>Scientific Reports</i> , 2015, 5, 11143.	1.6	33
548	Organic photovoltaics: Crosslinking for optimal morphology and stability. <i>Materials Today</i> , 2015, 18, 425-435.	8.3	127
549	A $\pi$ -D $\pi$ -A based porphyrin for solution processed small molecule bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16287-16301.	5.2	47
550	New conjugated molecules with four DPP (diketopyrrolopyrrole) moieties linked by [2,2]paracyclophane as electron acceptors for organic photovoltaic cells. <i>New Journal of Chemistry</i> , 2015, 39, 6421-6427.	1.4	7
551	Molecular-Scale Understanding of Cohesion and Fracture in P3HT:Fullerene Blends. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 9957-9964.	4.0	60
552	Rational design of diketopyrrolopyrrole-based oligomers for high performance small molecular photovoltaic materials via an extended framework and multiple fluorine substitution. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11575-11586.	5.2	37
553	Carbazole-Based Molecular Glasses as Hole-Transporting Materials in Solid State Dye-Sensitized Solar Cells. <i>ChemNanoMat</i> , 2015, 1, 203-210.	1.5	31
554	A spiro-bifluorene based 3D electron acceptor with dicyanovinylene substitution for solution-processed non-fullerene organic solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11086-11092.	5.2	34
555	Development of small-molecule materials for high-performance organic solar cells. <i>Science China Chemistry</i> , 2015, 58, 922-936.	4.2	45

#	ARTICLE	IF	CITATIONS
556	New D-A-D-A-D push-pull organic semiconductors with different benzo[1,2-b:4,5-b'] dithiophene cores for solution processed bulk heterojunction solar cells. <i>Dyes and Pigments</i> , 2015, 120, 126-135.	2.0	23
557	Acceptor-Substituted <i>S</i> , <i>N</i> -Heteropentacenes of Different Conjugation Length: Structure-Property Relationships and Solar Cell Performance. <i>Advanced Functional Materials</i> , 2015, 25, 3414-3424.	7.8	35
558	Coherent and Incoherent Contributions to Charge Separation in Multichromophore Systems. <i>Journal of Physical Chemistry C</i> , 2015, 119, 7590-7603.	1.5	18
559	The effect of perylene diimides chemical structure on the photovoltaic performance of P3HT/perylenediimides solar cells. <i>Dyes and Pigments</i> , 2015, 120, 57-64.	2.0	23
560	An N-ethylated barbituric acid end-capped bithiophene as an electron-acceptor material in fullerene-free organic photovoltaics. <i>Chemical Communications</i> , 2015, 51, 6222-6225.	2.2	20
561	Aryl end-capped quaterthiophenes applied as anode interfacial layers in inverted organic solar cells. <i>Thin Solid Films</i> , 2015, 574, 196-206.	0.8	6
562	The N-(2-carboxyethyl)hemicyanine dyes. Synthesis, properties and quantum-chemical calculations. <i>Journal of Molecular Liquids</i> , 2015, 202, 141-147.	2.3	4
563	Recent Progress on Hole-Transporting Materials for Emerging Organometal Halide Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1500213.	10.2	418
564	Luminescent Coordination Glass: Remarkable Morphological Strategy for Assembled Eu(III) Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 4364-4370.	1.9	42
565	New acceptor-acceptor systems for solution-processed small molecule organic solar cells. <i>Dyes and Pigments</i> , 2015, 121, 109-117.	2.0	32
566	The Literature of Heterocyclic Chemistry, Part XIII, 2012-2013. <i>Advances in Heterocyclic Chemistry</i> , 2015, 116, 193-363.	0.9	12
567	Synthesis and photovoltaic response of a solution-processable dithienyldiketopyrrolopyrrole-based molecular semiconductor with thienylvinylthienyl endgroups. <i>Journal of Photonics for Energy</i> , 2015, 5, 057211.	0.8	3
568	Understanding Device-Structure-Induced Variations in Open-Circuit Voltage for Organic Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 10814-10822.	4.0	2
569	Design of organic ternary blends and small-molecule bulk heterojunctions: photophysical considerations. <i>Journal of Photonics for Energy</i> , 2015, 5, 057208.	0.8	8
570	A Series of Simple Oligomer-like Small Molecules Based on Oligothiophenes for Solution-Processed Solar Cells with High Efficiency. <i>Journal of the American Chemical Society</i> , 2015, 137, 3886-3893.	6.6	788
571	Theoretical design and characterization of pyridalthiadiazole-based chromophores with fast charge transfer at donor/acceptor interface toward small molecule organic photovoltaics. <i>RSC Advances</i> , 2015, 5, 29401-29411.	1.7	46
572	Effect of Solution Shearing Method on Packing and Disorder of Organic Semiconductor Polymers. <i>Chemistry of Materials</i> , 2015, 27, 2350-2359.	3.2	92
573	Synthesis and photovoltaic properties of two star-shaped molecules involving phenylquinoxaline as core and triphenylamine and thiophene units as arms. <i>Synthetic Metals</i> , 2015, 204, 25-31.	2.1	7



#	ARTICLE	IF	CITATIONS
574	Highly Efficient Low-Bandgap Polymer Solar Cells with Solution-Processed and Annealing-Free Phosphomolybdic Acid as Hole-Transport Layers. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 5367-5372.	4.0	52
575	Organic solar cells based on bowl-shaped small-molecules. <i>RSC Advances</i> , 2015, 5, 31541-31546.	1.7	8
576	Improved open-circuit voltage of benzodithiophene based polymer solar cells using bulky terthiophene side group. <i>Solar Energy Materials and Solar Cells</i> , 2015, 138, 26-34.	3.0	23
577	Porphyriin-Based Bulk Heterojunction Organic Photovoltaics: The Rise of the Colors of Life. <i>Advanced Energy Materials</i> , 2015, 5, 1500218.	10.2	167
578	Hot Charge-Transfer States Determine Exciton Dissociation in the DTDCTB/C <sub>60</sub> Complex for Organic Solar Cells: A Theoretical Insight. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11320-11326.	1.5	46
579	Unsymmetrical Donor-Acceptor-Acceptor-Donor Type Benzothiadiazole-Based Small Molecule for a Solution Processed Bulk Heterojunction Organic Solar Cell. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 10283-10292.	4.0	79
580	A narrow band gap isoindigo based molecular donor for solution processed organic solar cells. <i>New Journal of Chemistry</i> , 2015, 39, 5075-5079.	1.4	17
581	Star-shaped carbazole-based BODIPY derivatives with improved hole transportation and near-infrared absorption for small-molecule organic solar cells with high open-circuit voltages. <i>RSC Advances</i> , 2015, 5, 32283-32289.	1.7	30
582	Thienothiophenes, Dithienothiophenes, and Thienoacenes: Syntheses, Oligomers, Polymers, and Properties. <i>Chemical Reviews</i> , 2015, 115, 3036-3140.	23.0	494
583	Efficient bulk heterojunction solar cells based on solution processed small molecules based on the same benzo[1,2-b:4,5-b']thiophene unit as core donor and different terminal units. <i>Nanoscale</i> , 2015, 7, 7692-7703.	2.8	18
584	Donor-Acceptor Small Molecules for Organic Photovoltaics: Single-Atom Substitution (Se or S). <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 8188-8199.	4.0	38
585	D-A Conjugated Molecules for Optoelectronic Applications. <i>Macromolecular Rapid Communications</i> , 2015, 36, 943-958.	2.0	85
586	High Electron Mobility and Its Role in Charge Carrier Generation in Merocyanine/Fullerene Blends. <i>Journal of Physical Chemistry C</i> , 2015, 119, 5761-5770.	1.5	10
587	Synthesis and Ultrafast Dynamics of a Donor-Acceptor Donor Molecule Having Optoelectronic Properties. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8563-8575.	1.5	26
588	Efficient ternary bulk heterojunction solar cells based on small molecules only. <i>Journal of Materials Chemistry A</i> , 2015, 3, 10512-10518.	5.2	45
589	Electron-deficient fullerenes in triple-channel photosystems. <i>Chemical Communications</i> , 2015, 51, 7543-7545.	2.2	6
590	Small molecules containing rigidified thiophenes and a cyanopyridone acceptor unit for solution-processable bulk-heterojunction solar cells. <i>Dyes and Pigments</i> , 2015, 119, 122-132.	2.0	21
591	D-A-D-type low band gap diketopyrrolopyrrole based small molecules containing an ethynyl-linkage: synthesis and photovoltaic properties. <i>RSC Advances</i> , 2015, 5, 31606-31614.	1.7	37

#	ARTICLE	IF	CITATIONS
592	Influence of Solid-State Packing of Dipolar Merocyanine Dyes on Transistor and Solar Cell Performances. <i>Journal of the American Chemical Society</i> , 2015, 137, 13524-13534.	6.6	68
593	Pivotal factors in solution-processed, non-fullerene, all small-molecule organic solar cell device optimization. <i>Organic Electronics</i> , 2015, 27, 197-201.	1.4	11
594	Static and Dynamic Energetic Disorders in the C <sub>60</sub> , PC <sub>61</sub> BM, C <sub>70</sub> , and PC <sub>71</sub> BM Fullerenes. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3657-3662.	2.1	101
595	Donor-acceptor-acceptor-donor small molecules for solution processed bulk heterojunction solar cells. <i>Organic Electronics</i> , 2015, 27, 72-83.	1.4	24
596	Synergistic effects of halogen bond and $\pi$ - $\pi$ interactions in thiophene-based building blocks. <i>RSC Advances</i> , 2015, 5, 82544-82548.	1.7	13
597	Organic Molecular Films as Light-Emitting and Light-Confining Material in Rolled-Up AlInP Semiconductor Microtube Resonators. <i>ACS Photonics</i> , 2015, 2, 1532-1538.	3.2	7
598	Organic solar cells based on acceptor-functionalized diketopyrrolopyrrole derivatives. <i>Journal of Photonics for Energy</i> , 2015, 5, 057215.	0.8	4
599	Solution-Processable Organic Molecule for High-Performance Organic Solar Cells with Low Acceptor Content. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24686-24693.	4.0	26
600	End-Group Engineering of Low-Bandgap Compounds for High-Detectivity Solution-Processed Small-Molecule Photodetectors. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25243-25251.	1.5	6
601	Electrical and photoelectrical characterization of an organic-inorganic heterojunction based on quinoline yellow dye. <i>Materials Science in Semiconductor Processing</i> , 2015, 39, 569-574.	1.9	23
602	The prediction of the morphology and PCE of small molecular organic solar cells. <i>RSC Advances</i> , 2015, 5, 70939-70948.	1.7	9
603	Temperature dependent c-axis hole mobilities in rubrene single crystals determined by time-of-flight. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	12
604	Indoloquinoline as a terminal building block for the construction of $\pi$ -conjugated small molecules relevant to organic electronics. <i>Dyes and Pigments</i> , 2015, 123, 139-146.	2.0	16
605	Synergistic Effects of Morphological Control and Complementary Absorption in Efficient All-Small-Molecule Ternary-Blend Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 22542-22550.	4.0	22
606	Structure of P3HT crystals, thin films, and solutions by UV/Vis spectral analysis. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28616-28625.	1.3	60
607	Changing to Poly(rod-coil) Polymers: a Promising Way for an Optoelectronic Compound to Improve Its Film Formation. <i>Chinese Journal of Chemistry</i> , 2015, 33, 847-851.	2.6	7
608	A detailed study on the thermal, photo-physical and electrochemical properties and OFET applications of D $\pi$ A $\pi$ D structured unsymmetrical diketopyrrolopyrrole materials. <i>RSC Advances</i> , 2015, 5, 94859-94865.	1.7	17
609	Controllable molecular aggregation and fluorescence properties of 1,3,4-oxadiazole derivatives. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11681-11688.	2.7	21

#	ARTICLE	IF	CITATIONS
610	The role of photonics in energy. <i>Journal of Photonics for Energy</i> , 2015, 5, 050997.	0.8	18
611	Efficient small molecule-based bulk heterojunction photovoltaic cells with reduced exciton quenching in fullerene. <i>Organic Electronics</i> , 2015, 26, 415-419.	1.4	11
612	Utilization of simply alkylated diketopyrrolopyrrole derivative as a p-channel semiconductor for organic devices. <i>Synthetic Metals</i> , 2015, 209, 240-246.	2.1	12
613	Low-Bandgap Near-IR Conjugated Polymers/Molecules for Organic Electronics. <i>Chemical Reviews</i> , 2015, 115, 12633-12665.	23.0	1,029
614	Rational design of diketopyrrolopyrrole-based oligomers with deep HOMO level and tunable liquid crystal behavior by modulating the sequence and strength of the donor moiety. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9849-9858.	2.7	19
615	n-Type Columnar Liquid Crystal Combining Ionic and Electronic Functions. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 610, 108-115.	0.4	11
616	Supramolecular Organization of $\pi$ -Conjugated Oligomers. <i>Springer Series in Materials Science</i> , 2015, , 195-236.	0.4	1
617	Enhancement of Performance and Mechanism Studies of All-Solution Processed Small-Molecule based Solar Cells with an Inverted Structure. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 21245-21253.	4.0	12
618	Highly emissive excited-state intramolecular proton transfer (ESIPT) inspired 2-(2-hydroxy)benzothiazole-fluorene motifs: spectroscopic and photophysical properties investigation. <i>RSC Advances</i> , 2015, 5, 80283-80296.	1.7	31
619	Improved molecular architecture of carbazole dyes: 9% PCE with a cobalt redox shuttle in dye sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 21664-21671.	5.2	91
620	A novel small molecule with N-heteroacene as acceptor moiety for photovoltaic application. <i>Dyes and Pigments</i> , 2015, 122, 231-237.	2.0	16
621	A compact planar low-energy-gap molecule with a donor-acceptor-donor nature based on a bimetal dithiolenene complex. <i>Chemical Communications</i> , 2015, 51, 15796-15799.	2.2	13
622	Bulk heterojunction organic solar cells based on carbazole-BODIPY conjugate small molecules as donors with high open circuit voltage. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26580-26588.	1.3	53
623	Dipyrrin-based complexes for solution-processed organic solar cells. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 801-808.	1.3	7
624	One-Step Synthesis of Precursor Oligomers for Organic Photovoltaics: A Comparative Study between Polymers and Small Molecules. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 27106-27114.	4.0	25
625	Small Molecules Based on Alkyl/Alkylthio-thieno[3,2-b]thiophene-Substituted Benzo[1,2-d:4,5-b']dithiophene for Solution-Processed Solar Cells with High Performance. <i>Chemistry of Materials</i> , 2015, 27, 8414-8423.	3.2	71
626	Small molecular push-pull donors for organic photovoltaics: effect of the heterocyclic spacer. <i>RSC Advances</i> , 2015, 5, 102550-102554.	1.7	22
627	Large $\pi$ -Conjugated Quinacridone Derivatives: Syntheses, Characterizations, Emission, and Charge Transport Properties. <i>Organic Letters</i> , 2015, 17, 6146-6149.	2.4	23

#	ARTICLE	IF	CITATIONS
628	Structure-property studies of P-triarylamine-substituted dithieno[3,2-b:2',3'-d]phospholes. RSC Advances, 2015, 5, 93797-93807.	1.7	11
629	Quantitative analysis of intermolecular interactions in orthorhombic rubrene. IUCr, 2015, 2, 563-574.	1.0	206
630	Furan-bridged thiazolo [5,4-d]thiazole based D-A-D type linear chromophore for solution-processed bulk-heterojunction organic solar cells. RSC Advances, 2015, 5, 6286-6293.	1.7	22
631	Solution-processable thienoisindigo-based molecular donors for organic solar cells with high open-circuit voltage. Dyes and Pigments, 2015, 115, 17-22.	2.0	34
632	Improvement of optoelectronic and photovoltaic properties through the insertion of a naphthalenediimide unit in donor-acceptor oligothiophenes. RSC Advances, 2015, 5, 4411-4415.	1.7	14
633	Decoupling the optical and electrical properties of subphthalocyanine/C <sub>70</sub> -bi-layer organic photovoltaic devices: improved photocurrent while maintaining a high open-circuit voltage and fill factor. RSC Advances, 2015, 5, 5617-5626.	1.7	9
634	A theoretical study on photophysical properties of triphenylamine-cored molecules with naphthalimide arms and different $\pi$ -conjugated bridges as organic solar cell materials. Physical Chemistry Chemical Physics, 2015, 17, 2094-2103.	1.3	45
635	Coevaporated Bisquaraine Inverted Solar Cells: Enhancement Due to Energy Transfer and Open Circuit Voltage Control. ACS Photonics, 2015, 2, 86-95.	3.2	47
636	Pyrrolidino [60] and [70]fullerene homo- and heterodimers as electron acceptors for OPV. New Journal of Chemistry, 2015, 39, 1477-1482.	1.4	13
637	Photoprecursor approach as an effective means for preparing multilayer organic semiconducting thin films by solution processes. Scientific Reports, 2014, 4, 7151.	1.6	25
638	Improving photovoltaic properties of linear small molecules with TPA-DPP segment by tuning their frameworks. Synthetic Metals, 2015, 199, 400-407.	2.1	10
639	Importance of Domain Purity and Molecular Packing in Efficient Solution-Processed Small-Molecule Solar Cells. Advanced Materials, 2015, 27, 1105-1111.	11.1	160
640	Impact of mesoscale order on open-circuit voltage in organic solar cells. Nature Materials, 2015, 14, 434-439.	13.3	184
641	A push-pull organic semiconductor with efficient intramolecular charge transfer for solution-processed small molecule solar cells. RSC Advances, 2015, 5, 3435-3442.	1.7	14
642	Synergic effect of unsaturated inner bridges and polymorphism for tuning the optoelectronic properties of 2,3-thieno(bis)imide based materials. Journal of Materials Chemistry C, 2015, 3, 121-131.	2.7	16
643	Photoinduced Electron Transfer in 2,5,8,11-Tetrakis-Donor-Substituted Perylene-3,4:9,10-bis(dicarboximides). Journal of Physical Chemistry B, 2015, 119, 7635-7643.	1.2	25
644	A molecular breakwater-like tetrapod for organic solar cells. Journal of Materials Chemistry A, 2015, 3, 2108-2119.	5.2	6
645	Organic Donor-Acceptor Assemblies form Coaxial $\pi$ -n Heterojunctions with High Photoconductivity. Angewandte Chemie - International Edition, 2015, 54, 946-950.	7.2	134

#	ARTICLE	IF	CITATIONS
646	An Electron-Deficient Small Molecule Accessible from Sustainable Synthesis and Building Blocks for Use as a Fullerene Alternative in Organic Photovoltaics. <i>ChemPhysChem</i> , 2015, 16, 1190-1202.	1.0	43
647	Small-molecule solar cells with efficiency over 9%. <i>Nature Photonics</i> , 2015, 9, 35-41.	15.6	769
648	Increased short circuit current in an azafullerene-based organic solar cell. <i>Chemical Communications</i> , 2015, 51, 1128-1130.	2.2	21
649	Thiophene-based push-pull chromophores for small molecule organic solar cells (SMOSCs). <i>RSC Advances</i> , 2015, 5, 354-397.	1.7	112
650	Effects of aromatic spacers on film morphology and device memory performance based on imidazole-triphenylamine derivatives. <i>Journal of Materials Chemistry C</i> , 2015, 3, 416-422.	2.7	23
651	Synthesis, structures and electrochemical and photophysical properties of anilido-benzoxazole boron difluoride (ABB) complexes. <i>Dalton Transactions</i> , 2015, 44, 1120-1129.	1.6	22
652	Novel dipolar 5,5,10,10-tetraphenyl-5,10-dihydroindeno[2,1-a]-indene derivatives for SM-OPV: A combined theoretical and experimental study. <i>Organic Electronics</i> , 2015, 16, 54-70.	1.4	9
653	The effect of charge transfer state on the open-circuit voltage of small-molecular organic photovoltaic devices: A comparison between the planar and bulk heterojunctions using electroluminescence characterization. <i>Organic Electronics</i> , 2015, 16, 1-8.	1.4	17
654	A bridged low band gap A-quaterthiophene as efficient donor for organic solar cells. <i>Journal of Materials Chemistry C</i> , 2015, 3, 390-398.	2.7	13
655	The future of organic photovoltaics. <i>Chemical Society Reviews</i> , 2015, 44, 78-90.	18.7	655
656	Investigation of pentaarylazafullerenes as acceptor systems for bulk-heterojunction organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2015, 132, 450-454.	3.0	18
657	High-Performance Solution-Processed Small-Molecule Solar Cells Based on a Dithienogermole-Containing Molecular Donor. <i>Advanced Energy Materials</i> , 2015, 5, 1400987.	10.2	45
658	X-ray crystallographic study of diversely substituted isatin derivatives. <i>Journal of Molecular Structure</i> , 2015, 1079, 87-93.	1.8	8
659	Assembling semiconducting molecules by covalent attachment to a lamellar crystalline polymer substrate. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 784-798.	1.5	4
660	Low Power Design for Future Wearable and Implantable Devices. <i>Journal of Low Power Electronics and Applications</i> , 2016, 6, 20.	1.3	24
661	High performance p-type molecular electron donors for OPV applications via alkylthiophene catenation chromophore extension. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2298-2314.	1.3	25
662	Synthesis of Novel Derivatives of Carbazole-Thiophene, Their Electronic Properties, and Computational Studies. <i>Journal of Chemistry</i> , 2016, 2016, 1-14.	0.9	9
663	Integrated Effects of Two Additives on the Enhanced Performance of PTB7:PC71BM Polymer Solar Cells. <i>Materials</i> , 2016, 9, 171.	1.3	16

#	ARTICLE	IF	CITATIONS
664	Partially Oxygen-Bridged Triphenylamines with a Quasiplanar Structure as a Key Scaffold for Hole-Transporting Materials. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2016, 74, 1128-1135.	0.0	7
665	Alphabetâ€”Inspired Design of (Hetero)Aromatic Pushâ€”Pull Chromophores. Chemical Record, 2016, 16, 1886-1905.	2.9	82
666	Copper Causes Regiospecific Formation of C <sub>4</sub> F <sub>8</sub> â€”Containing Sixâ€”Membered Rings and their Defluorination/Aromatization to C <sub>4</sub> F <sub>4</sub> â€”Containing Rings in Triphenylene/1,4â€”C <sub>4</sub> F <sub>8</sub> I <sub>2</sub> Reactions. Chemistry - A European Journal, 2016, 22, 874-877.	1.7	16
668	Theoretical and experimental investigations of the 2-(4-chlorophenyl)-3-[[5-(2-cyano-2-phenylethenyl)]furan-2-yl]acrylonitrile molecule as a potential acceptor in organic solar cells. Nanotechnology, 2016, 27, 234003.	1.3	7
669	How the substituents in corannulene and sumanene derivatives alter their molecular assemblings and charge transport properties? A theoretical study with a dimer model. Journal of Computational Chemistry, 2016, 37, 813-824.	1.5	20
670	An arylene-vinylene based donor-acceptor-donor small molecule for the donor compound in high-voltage organic solar cells. Solar Energy Materials and Solar Cells, 2016, 155, 348-355.	3.0	14
671	Growth and Manipulation of Organic Semiconductors Microcrystals by Wet Lithography. Advanced Functional Materials, 2016, 26, 2387-2393.	7.8	4
672	Enhancement of the Power Conversion Efficiency in Organic Photovoltaics by Unveiling the Appropriate Polymer Backbone Enlargement Approach. Advanced Functional Materials, 2016, 26, 1840-1848.	7.8	28
673	Bulkâ€”Heterojunction Organic Solar Cells: Five Core Technologies for Their Commercialization. Advanced Materials, 2016, 28, 7821-7861.	11.1	404
674	Layered Electron Acceptors by Dimerization of Acenes Endâ€”Capped with 1,2,5â€”Thiadiazoles. Angewandte Chemie, 2016, 128, 953-956.	1.6	15
675	Regioisomer-specific electron affinities and electronic structures of C70para-adducts at polar and equatorial positions with (bromo)benzyl radicals: photoelectron spectroscopy and theoretical study. Physical Chemistry Chemical Physics, 2016, 18, 18683-18686.	1.3	1
676	Sequence Effects in Conjugated Donor-Acceptor Trimers and Polymers. Macromolecular Rapid Communications, 2016, 37, 882-887.	2.0	23
677	NMR and DFT studies on persistent carbocations derived from benzo[ <i>kl</i> ]xanthene, dibenzo[ <i>d</i> ]benzo[1,2- <i>b</i> ]:4,3- <i>b</i> ]difuran, and dibenzo[ <i>d</i> ]benzo[1,2- <i>b</i> ]:4,5- <i>b</i> ]difuran in superacidic media. Journal of Physical Organic Chemistry, 2016, 29, 107-111.	0.9	8
678	Advances in Organic Near-Infrared Materials and Emerging Applications. Chemical Record, 2016, 16, 1531-1548.	2.9	93
679	Realizing Highly Efficient Inverted Photovoltaic Cells by Combination of Nonconjugated Small-Molecule Zwitterions with Polyethylene Glycol. ACS Applied Materials & Interfaces, 2016, 8, 18593-18599.	4.0	15
680	Funnel shaped molecules containing benzo/pyrido[1,2,5]thiadiazole functionalities as peripheral acceptors for organic photovoltaic applications. RSC Advances, 2016, 6, 66978-66989.	1.7	22
681	Layered Electron Acceptors by Dimerization of Acenes Endâ€”Capped with 1,2,5â€”Thiadiazoles. Angewandte Chemie - International Edition, 2016, 55, 941-944.	7.2	32
682	Intense Groundâ€”State Chargeâ€”Transfer Interactions in Lowâ€”Bandgap, Panchromatic Phthalocyanineâ€”Tetracyanobutaâ€”1,3â€”diene Conjugates. Angewandte Chemie - International Edition, 2016, 55, 5560-5564.	7.2	54

#	ARTICLE	IF	CITATIONS
683	AACDACA type Small Molecules Using Ethynylene Linkages for Organic Solar Cells with High Open-circuit Voltages. Chinese Journal of Chemistry, 2016, 34, 353-358.	2.6	8
684	N-Rich Fused Heterocyclic Systems: Synthesis, Structure, Optical and Electrochemical Characterization. European Journal of Organic Chemistry, 2016, 2016, 1772-1780.	1.2	18
685	Difluorobenzothiadiazole-Based Small-Molecule Organic Solar Cells with 8.7% Efficiency by Tuning of Conjugated Spacers and Solvent Vapor Annealing. Advanced Functional Materials, 2016, 26, 1803-1812.	7.8	100
686	Organic Multilevel Memory Devices of Long-Term Environmental Stability via Incorporation of Fluorine. Advanced Electronic Materials, 2016, 2, 1500474.	2.6	32
687	Synthesis and Electronic, Optical, and Electrochemical Properties of a Series of Tetracyanobutadiene-Substituted Carbazoles. Asian Journal of Organic Chemistry, 2016, 5, 246-256.	1.3	21
688	Intense Ground-State Charge-Transfer Interactions in Low-Bandgap, Panchromatic Phthalocyanine-Tetracyanobutadiene Conjugates. Angewandte Chemie, 2016, 128, 5650-5654.	1.6	31
689	Synthesis and Optoelectronic Properties of Thiophene-Based Semiconducting Oligomers. ChemistrySelect, 2016, 1, 6872-6879.	0.7	0
690	Terminal Modulation of A Small Molecule for Organic Photovoltaic Materials: A Theoretical Molecular Design. Journal of Physical Chemistry C, 2016, 120, 28939-28950.	1.5	41
691	Konstruktionsprinzip niedermolekularer organischer Halbleiter für metallfreie Photokatalyse mit sichtbarem Licht. Angewandte Chemie, 2016, 128, 9935-9940.	1.6	21
692	The effect of intermolecular interaction on excited states in p-DTS(FBTTH2)2. Journal of Chemical Physics, 2016, 144, 074904.	1.2	14
693	The development of aryl-substituted 2-phenylimidazo[1,2-a]pyridines (PIP) with various colors of excited-state intramolecular proton transfer (ESIPT) luminescence in the solid state. Journal of Materials Chemistry C, 2016, 4, 3599-3606.	2.7	33
694	Flexible 2D Crystals of Polycyclic Aromatics Stabilized by Static Distortion Waves. ACS Nano, 2016, 10, 6474-6483.	7.3	23
695	Thiazole-based scaffolding for high performance solar cells. Journal of Materials Chemistry C, 2016, 4, 4296-4303.	2.7	45
696	Does oligomerization in fused thiophene affect reactivity and aromaticity?. Journal of Chemical Sciences, 2016, 128, 311-324.	0.7	3
697	Targeted design leads to tunable photoluminescence from perylene dicarboxydiimide-poly(oxyalkylene)/siloxane hybrids for luminescent solar concentrators. Journal of Materials Chemistry C, 2016, 4, 4049-4059.	2.7	23
698	Enhancement of P3HT:PCBM Photovoltaic Shells Efficiency Incorporating Core-shell Au@Ag Plasmonic Nanoparticles. Materials Today: Proceedings, 2016, 3, 832-839.	0.9	15
699	Effect of the ethynylene linker on the properties and carrier mobility of naphthalene derivatives with hexylbithienyl arms. Synthetic Metals, 2016, 217, 156-171.	2.1	7
700	Systematic elongation of thienyl linkers and their effect on optical and electrochemical properties in carbazole-BODIPY donor-acceptor systems. RSC Advances, 2016, 6, 36500-36509.	1.7	18

#	ARTICLE	IF	CITATIONS
701	Synthesis and Electrochemical and Photophysical Characterization of New 4,4'-Bipyridines that are End-Capped with Cyanoacrylic Acid/Ester Groups. Chemistry - an Asian Journal, 2016, 11, 1232-1239.	1.7	2
702	Series of Multifluorine Substituted Oligomers for Organic Solar Cells with Efficiency over 9% and Fill Factor of 0.77 by Combination Thermal and Solvent Vapor Annealing. Journal of the American Chemical Society, 2016, 138, 7687-7697.	6.6	209
703	Effects of electron-withdrawing group and electron-donating core combinations on physical properties and photovoltaic performance in D-π-A star-shaped small molecules. Organic Electronics, 2016, 32, 157-168.	1.4	39
704	Direct photocatalytic hydrogen evolution from water splitting using nanostructures of hydrate organic small molecule as photocatalysts. Journal of Materials Chemistry A, 2016, 4, 6577-6584.	5.2	16
705	Charge transport through conjugated azomethine-based single molecules for optoelectronic applications. Organic Electronics, 2016, 34, 38-41.	1.4	28
706	Gravure Printed Organic Photovoltaic Modules Onto Flexible Substrates Consisting of a P3HT:PCBM Photoactive Blend. Materials Today: Proceedings, 2016, 3, 746-757.	0.9	11
707	Tethered bis-pyrrolidine additions to C70: Some unexpected and new regioisomers. Carbon, 2016, 105, 394-400.	5.4	12
708	Synthesis and properties of a novel narrow band gap oligomeric diketopyrrolopyrrole-based organic semiconductor. Dyes and Pigments, 2016, 131, 160-167.	2.0	8
709	Computer calculations across time and length scales in photovoltaic solar cells. Energy and Environmental Science, 2016, 9, 2197-2218.	15.6	27
710	Effects of alkyl side chain and electron-withdrawing group on benzo[1,2,5]thiadiazole- <i>h</i> -thiophene-based small molecules in organic photovoltaic cells. Journal of Materials Science, 2016, 51, 6770-6780.	1.7	8
711	Quadrupolar (A-π-D-π-A) Tetra-aryl 1,4-Dihydropyrrolo[3,2- <i>b</i> ]pyrroles as Single Molecular Resistive Memory Devices: Substituent Triggered Amphoteric Redox Performance and Electrical Bistability. Journal of Physical Chemistry C, 2016, 120, 11313-11323.	1.5	41
712	Solution-Processable Small Molecules for High-Performance Organic Solar Cells with Rigidly Fluorinated 2,2'-Bithiophene Central Cores. ACS Applied Materials & Interfaces, 2016, 8, 11639-11648.	4.0	46
713	Improved efficiency of DTGe(FBTTh <sub>2</sub> ) <sub>2</sub> -based solar cells by using macromolecular additives: How macromolecular additives versus small additives influence nanoscale morphology and photovoltaic performance. Nano Energy, 2016, 24, 56-62.	8.2	25
714	High-performance organic broadband photomemory transistors exhibiting remarkable UV-NIR response. Physical Chemistry Chemical Physics, 2016, 18, 13108-13117.	1.3	18
715	Characterising the morphology and efficiency of polymer solar cell by experiments and simulations. Molecular Simulation, 2016, 42, 836-845.	0.9	9
716	Synthesis, optical, and electrochemical properties, and theoretical calculations of BODIPY containing triphenylamine. Heteroatom Chemistry, 2016, 27, 306-315.	0.4	11
717	Photovoltaic Small Molecules of TPA(F <sub>x</sub> BT-T-Cz) <sub>3</sub> : Tuning Open-Circuit Voltage over 1.0 V for Their Organic Solar Cells by Increasing Fluorine Substitution. ACS Applied Materials & Interfaces, 2016, 8, 30320-30327.	4.0	20
718	Bifunctional Heterocyclic Spiro Derivatives for Organic Optoelectronic Devices. ACS Applied Materials & Interfaces, 2016, 8, 24782-24792.	4.0	32



#	ARTICLE	IF	CITATIONS
719	Synthesis and self-assembly properties of fullerene/porphyrin-phthalocyanine and fullerene/bis-phthalocyanine triads. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 1142-1147.	0.4	3
720	A-D-A type conjugated oligomers based on benzothiadiazole and their photovoltaic applications. <i>Synthetic Metals</i> , 2016, 221, 127-133.	2.1	7
721	Theoretical investigations of the small molecular acceptor materials based on oligothiophene $\alpha\alpha'$ -naphthalene diimide in organic solar cells. <i>RSC Advances</i> , 2016, 6, 102159-102171.	1.7	9
722	Tuning exciton delocalization in organic crystalline thin films. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0
723	Synergistic effects of solvent and polymer additives on solar cell performance and stability of small molecule bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18383-18391.	5.2	17
724	High performance $\alpha\alpha'$ -oligothiophene-based organic solar cells employing two-step annealing and solution-processable copper thiocyanate (CuSCN) as an interfacial hole transporting layer. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17344-17353.	5.2	21
725	High-Performance Non-Fullerene Acceptor Derived from Diathiafulvalene Wings for Solution-Processed Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24615-24622.	1.5	21
726	Polyanils and Polyboranils: Synthesis, Optical Properties, and Aggregation-Induced Emission. <i>Journal of Organic Chemistry</i> , 2016, 81, 9658-9668.	1.7	47
727	Broadband $\alpha\alpha'$ -Solubility Diketopyrrolopyrrole Derivative with Both Polar Cyano and Nonpolar Alkyl Groups for Stable Organic Photosensors and Diffusion-Processed Organic Solar Cells. <i>ChemistrySelect</i> , 2016, 1, 1716-1722.	0.7	1
728	Organic Optoelectronic Materials: Mechanisms and Applications. <i>Chemical Reviews</i> , 2016, 116, 13279-13412.	23.0	1,205
729	Design of Assembled Systems Based on Conjugated Polyphenylene Derivatives and Carbon Nanohorns. <i>Chemistry - A European Journal</i> , 2016, 22, 11643-11651.	1.7	4
730	Highly efficient and thermally stable fullerene-free organic solar cells based on a small molecule donor and acceptor. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16335-16340.	5.2	88
731	Synthesis and Characterization of Squaraine-Based Photocrosslinkable Resists for Bulk Heterojunction Solar Cells. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4032-4040.	1.2	6
732	All-thiophene-substituted N-heteroacene electron-donor materials for efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13519-13524.	5.2	7
733	Noble metal-free hydrogen-evolving photocathodes based on small molecule organic semiconductors. <i>Nanotechnology</i> , 2016, 27, 355401.	1.3	21
734	Polycatenar liquid crystals based on bent-shaped chalcone and cyanopyridine molecules. <i>Liquid Crystals</i> , 0, , 1-12.	0.9	1
735	Fluorinated benzothiadiazole-based small molecules for photovoltaic applications. <i>Synthetic Metals</i> , 2016, 220, 455-461.	2.1	17
736	One-pot construction of fused polycyclic heteroarenes involving 7-azaindoles and $\alpha,\beta$ -unsaturated ketones. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7859-7863.	1.5	20

#	ARTICLE	IF	CITATIONS
737	Effect of alkyl chain topology on the structure, optoelectronic properties and solar cell performance of thienopyrroledione-cored oligothiophene chromophores. RSC Advances, 2016, 6, 77655-77665.	1.7	6
738	New Insights into the Correlation between Morphology, Excited State Dynamics, and Device Performance of Small Molecule Organic Solar Cells. Advanced Energy Materials, 2016, 6, 1600961.	10.2	34
739	Benzodithiophene-Based Polymers Containing Alkylthiophenyl Side Chains with Lowered HOMO Energy Levels for Organic Solar Cells. Asian Journal of Organic Chemistry, 2016, 5, 1273-1279.	1.3	9
740	Tuning of photoluminescence properties of functional phthalides for OLED applications. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 330, 156-162.	2.0	9
741	A Molecular Tetrapod for Organic Photovoltaics. ACS Applied Materials & Interfaces, 2016, 8, 22392-22401.	4.0	2
742	A comparative study of a fluorene-based non-fullerene electron acceptor and PC61BM in an organic solar cell at a quantum chemical level. RSC Advances, 2016, 6, 81164-81173.	1.7	45
743	Intrinsic Charge Trapping Observed as Surface Potential Variations in diF-TES-ADT Films. ACS Applied Materials & Interfaces, 2016, 8, 21490-21496.	4.0	2
744	Oligothiophene-based small molecules with 3,3'-difluoro-2,2'-bithiophene central unit for solution-processed organic solar cells. Organic Electronics, 2016, 38, 172-179.	1.4	8
745	A Soluble Dynamic Complex Strategy for the Solution-Processed Fabrication of Organic Thin-Film Transistors of a Boron-Containing Polycyclic Aromatic Hydrocarbon. Angewandte Chemie, 2016, 128, 12163-12167.	1.6	13
746	A Soluble Dynamic Complex Strategy for the Solution-Processed Fabrication of Organic Thin-Film Transistors of a Boron-Containing Polycyclic Aromatic Hydrocarbon. Angewandte Chemie - International Edition, 2016, 55, 11984-11988.	7.2	50
747	Controlling Open-Circuit Voltage in Organic Solar Cells by Terminal Fluoro-Functionalization of Narrow-Bandgap $\pi$ -Conjugated Molecules. Journal of Physical Chemistry C, 2016, 120, 21235-21241.	1.5	16
748	Benzothiadiazole building units in solution-processable small molecules for organic photovoltaics. Journal of Materials Chemistry A, 2016, 4, 15771-15787.	5.2	76
749	Patterned Growth of Organic Semiconductors: Selective Nucleation of Perylene on Self-Assembled Monolayers. Langmuir, 2016, 32, 8019-8028.	1.6	15
750	Terminal moiety-driven electrical performance of asymmetric small-molecule-based organic solar cells. Journal of Materials Chemistry A, 2016, 4, 15688-15697.	5.2	16
751	Narrow-Band Organic Photodiodes for High-Resolution Imaging. ACS Applied Materials & Interfaces, 2016, 8, 26143-26151.	4.0	59
752	Efficiency improvement using bis(trifluoromethane) sulfonamide lithium salt as a chemical additive in porphyrin based organic solar cells. Nanoscale, 2016, 8, 17953-17962.	2.8	23
753	High photo-current in solution processed organic solar cells based on a porphyrin core A-D-A as electron donor material. Organic Electronics, 2016, 38, 330-336.	1.4	13
754	The Influence of Quasiplanar Structures of Partially Oxygen-Bridged Triphenylamine Dimers on the Properties of Their Bulk Films. Bulletin of the Chemical Society of Japan, 2016, 89, 726-732.	2.0	13

#	ARTICLE	IF	CITATIONS
755	Synthesis and electrochemical polymerization of diketopyrrolopyrrole based donor-acceptor-donor monomers containing 3,6- and 2,7-linked carbazoles. <i>Polymer Chemistry</i> , 2016, 7, 6110-6119.	1.9	21
756	Structural Design Principle of Small-Molecule Organic Semiconductors for Metal-Free, Visible-Light-Promoted Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9783-9787.	7.2	92
757	Small molecule based N-phenyl carbazole substituted diketopyrrolopyrroles as donors for solution-processed bulk heterojunction organic solar cells. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 22999-23005.	1.3	20
758	Impact of Fluorine Substituents on $\pi$ -Conjugated Polymer Main-Chain Conformations, Packing, and Electronic Couplings. <i>Advanced Materials</i> , 2016, 28, 8197-8205.	11.1	78
759	[ <i>d</i> ]-Carbon-carbon double bond engineering in diazaphosphepines: a pathway to modulate the chemical and electronic structures of heteropines. <i>Chemical Science</i> , 2016, 7, 4211-4219.	3.7	33
760	Optical transition energies of isolated molecular monomers and weakly interacting two-dimensional aggregates. <i>Physical Review B</i> , 2016, 93, .	1.1	17
761	Reduced graphene oxide enhancing the photoelectrochemical properties of poly(3-hexylthiophene). <i>Carbon</i> , 2016, 109, 57-64.	5.4	6
762	Facile preparation of small molecules for bulk heterojunction solar cells. <i>RSC Advances</i> , 2016, 6, 59218-59225.	1.7	4
763	Regioisomeric Effects of Donor-Acceptor <sup>2</sup> Small-Molecule Donors on the Open Circuit Voltage of Organic Photovoltaics. <i>Advanced Materials</i> , 2016, 28, 8248-8255.	11.1	41
764	Structure-Property Relationships in Click-Derived Donor-Triazole-Acceptor Materials. <i>Chemistry - A European Journal</i> , 2016, 22, 18887-18898.	1.7	22
765	Dithienobenzodithiophene-Based Small Molecule Organic Solar Cells with over 7% Efficiency via Additive- and Thermal-Annealing-Free Processing. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 34353-34359.	4.0	20
766	Heteroaromatic organic compound with conjugated multi-carbonyl as cathode material for rechargeable lithium batteries. <i>Scientific Reports</i> , 2016, 6, 23515.	1.6	34
767	Transition-Metal-Free Synthesis of 1,3-Butadiene-Containing $\pi$ -Conjugated Polymers. <i>Macromolecular Rapid Communications</i> , 2016, 37, 2005-2010.	2.0	4
768	Systematic Investigation of Benzodithiophene-Benzothiadiazole Isomers for Organic Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 33025-33033.	4.0	16
769	An effective $\pi$ -extended squaraine for solution-processed organic solar cells with high efficiency. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18931-18941.	5.2	30
770	Wearable energy-smart ribbons for synchronous energy harvest and storage. <i>Nature Communications</i> , 2016, 7, 13319.	5.8	147
771	Side-chain Engineering of Benzo[1,2-b:4,5-b <sup>TM</sup> ]dithiophene Core-structured Small Molecules for High-Performance Organic Solar Cells. <i>Scientific Reports</i> , 2016, 6, 25355.	1.6	18
772	Fused Bis-Benzothiadiazoles as Electron Acceptors. <i>Crystal Growth and Design</i> , 2016, 16, 7124-7129.	1.4	11

#	ARTICLE	IF	CITATIONS
773	Transition-Metal-Free Diarylannulated Sulfide and Selenide Construction via Radical/Anion-Mediated Sulfur-Iodine and Selenium-Iodine Exchange. <i>Organic Letters</i> , 2016, 18, 5756-5759.	2.4	185
774	N-Phenylfluorubine: one functional dye – chromophor, fluorophor, electron-acceptor and more. <i>New Journal of Chemistry</i> , 2016, 40, 10100-10107.	1.4	8
775	Conjugated Oligothiophene Derivatives Based on Bithiophene with Unsaturated Bonds as Building Blocks for Solution-Processed Bulk Heterojunction Organic Solar Cells. <i>Chemistry - an Asian Journal</i> , 2016, 11, 3557-3567.	1.7	8
776	Synthesis of Perylene Imide Diones as Platforms for the Development of Pyrazine Based Organic Semiconductors. <i>Journal of Organic Chemistry</i> , 2016, 81, 11256-11267.	1.7	34
777	Syntheses via a direct arylation method of push-pull molecules based on triphenylamine and 3-cyano-4-hexyloxythiophene moieties. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10516-10522.	1.5	7
778	Synthesis and photophysical properties of semiconductor molecules D1-A-D2-A-D1-type structure based on derivatives of quinoxaline and dithienosilole for organics solar cells. <i>Organic Electronics</i> , 2016, 39, 361-370.	1.4	3
779	Improvement of pentathiophene/fullerene planar heterojunction photovoltaic cells by improving the organic films morphology through the anode buffer bilayer. <i>EPJ Applied Physics</i> , 2016, 74, 24603.	0.3	9
780	OFET based H <sub>2</sub> S gas sensing among reducing and mining gases using green synthesis SnO <sub>2</sub> , 2016, .		0
781	Recent progress in the synthesis of regioisomerically pure bis-adducts of empty and endohedral fullerenes. <i>Journal of Physical Organic Chemistry</i> , 2016, 29, 613-619.	0.9	23
782	Regimes of Exciton Transport in Molecular Crystals in the Presence of Dynamic Disorder. <i>Advanced Functional Materials</i> , 2016, 26, 2316-2325.	7.8	65
783	Organic Semiconductors based on Dyes and Color Pigments. <i>Advanced Materials</i> , 2016, 28, 3615-3645.	11.1	377
784	Inkjet-Assisted Nanotransfer Printing for Large-Scale Integrated Nanopatterns of Various Single-Crystal Organic Materials. <i>Advanced Materials</i> , 2016, 28, 2874-2880.	11.1	77
785	High-Performance Small Molecule via Tailoring Intermolecular Interactions and its Application in Large-Area Organic Photovoltaic Modules. <i>Advanced Energy Materials</i> , 2016, 6, 1600228.	10.2	69
786	Synthesis and molecular properties of methoxy-substituted diindolo[3,2-b:2',3'-h]carbazoles for organic electronics obtained by a consecutive twofold Suzuki and twofold Cadogan reaction. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6270-6279.	2.7	37
787	Numerical simulation of charge carriers distribution and the relevant electric fields in host-guest systems of small molecules. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 1463-1472.	1.1	0
788	Azadipyromethene cyclometalation in neutral Ru(II) complexes: photosensitizers with extended near-infrared absorption for solar energy conversion applications. <i>Dalton Transactions</i> , 2016, 45, 10563-10576.	1.6	16
789	A simple small molecule as an acceptor for fullerene-free organic solar cells with efficiency near 8%. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10409-10413.	5.2	104
790	The influence of alkyl side chains on molecular packing and solar cell performance of dithienopyrrole-based oligothiophenes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10514-10523.	5.2	21

#	ARTICLE	IF	CITATIONS
791	Star-shaped $\pi$ - $\pi$ -A oligothiophenes with a tris(2-methoxyphenyl)amine core and alkyldicyanovinyl groups: synthesis and physical and photovoltaic properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7061-7076.	2.7	26
792	Multiscale description of molecular packing and electronic processes in small-molecule organic solar cells. <i>Chinese Chemical Letters</i> , 2016, 27, 1453-1463.	4.8	16
793	Porphyrin dimers as donors for solution-processed bulk heterojunction organic solar cells. <i>RSC Advances</i> , 2016, 6, 60626-60632.	1.7	8
794	Amphiphilic fullerene derivative as effective interfacial layer for inverted polymer solar cells. <i>Organic Electronics</i> , 2016, 37, 35-41.	1.4	13
795	Electronic and photophysical properties of the bend $\pi$ - $\pi$ - $\pi$ derivatives for small-molecule organic photovoltaic (SM-OPV) solar cells: a DFT and TD-DFT investigation. <i>Research on Chemical Intermediates</i> , 2016, 42, 6907-6927.	1.3	5
796	Hydrogen-bonded oligothiophene rosettes with a benzodithiophene terminal unit: self-assembly and application to bulk heterojunction solar cells. <i>Chemical Communications</i> , 2016, 52, 7874-7877.	2.2	25
797	The Chemistry and Applications of $\pi$ -Gels. <i>Annual Review of Materials Research</i> , 2016, 46, 235-262.	4.3	131
798	Donor-acceptor optoelectronic molecules based on hexa-peri-hexabenzocoronene and benzothiadiazole units: effect of different combinations. <i>Tetrahedron</i> , 2016, 72, 4329-4336.	1.0	5
799	CuSCN as selective contact in solution-processed small-molecule organic solar cells leads to over 7% efficient porphyrin-based device. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11009-11022.	5.2	39
800	$\pi$ - $\pi$ - $\pi$ type diketopyrrolopyrrole based small molecule electron donors for bulk heterojunction organic solar cells. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 16950-16957.	1.3	22
801	1,3,5-triazine crosslinked 2,5-dibromohydroquinone as new hole-transport material in polymer light-emitting diodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 429-435.	0.8	9
802	Theoretical investigation of the interactions between the $\pi$ -systems of molecular organic semiconductors and an analysis of the contributions of repulsion and electrostatics. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 1138-1152.	1.0	5
803	Benchmarking DFT and semi-empirical methods for a reliable and cost-efficient computational screening of benzofulvene derivatives as donor materials for small-molecule organic solar cells. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 074005.	0.7	34
804	Toward high performance indacenodithiophene-based small-molecule organic solar cells: investigation of the effect of fused aromatic bridges on the device performance. <i>Journal of Materials Chemistry A</i> , 2016, 4, 2252-2262.	5.2	22
805	Core-Fluorinated Naphthalene Diimides: Synthesis, Characterization, and Application in n-Type Organic Field-Effect Transistors. <i>Organic Letters</i> , 2016, 18, 456-459.	2.4	52
806	Solution-processed bulk heterojunction solar cells based on porphyrin small molecules with very low energy losses comparable to perovskite solar cells and high quantum efficiencies. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3843-3850.	2.7	37
807	Naphtho[1,2- <i>b</i> :5,6- <i>b'</i> ]-dithiophene-Based Small Molecules for Thick-Film Organic Solar Cells with High Fill Factors. <i>Chemistry of Materials</i> , 2016, 28, 943-950.	3.2	50
808	Unravelling the Self-Assembly of Hydrogen Bonded NDI Semiconductors in 2D and 3D. <i>Chemistry of Materials</i> , 2016, 28, 951-961.	3.2	41

#	ARTICLE	IF	CITATIONS
809	Hetero aromatic donors as effective terminal groups for DPP based organic solar cells. RSC Advances, 2016, 6, 9023-9036.	1.7	6
810	A biphenyl containing two electron-donating and two electron-accepting moieties: a rigid and small donor-acceptor-donor ladder system. Chemical Communications, 2016, 52, 2374-2377.	2.2	22
811	A <sup>∞</sup> -D <sup>∞</sup> -A type organic donors employing coplanar heterocyclic cores for efficient small molecule organic solar cells. Organic Electronics, 2016, 28, 229-238.	1.4	21
812	Synthesis, electrochemical and photophysical studies of the borondifluoride complex of a meta-linked biscurcuminoid. New Journal of Chemistry, 2016, 40, 1297-1305.	1.4	15
813	Understanding the effect of solvent vapor annealing on solution-processed A <sup>∞</sup> -D <sup>∞</sup> -A oligothiophene bulk-heterojunction solar cells: the role of alkyl side chains. Journal of Materials Chemistry A, 2016, 4, 2571-2580.	5.2	45
814	Design, synthesis and optical properties of unsymmetrical subphthalocyanine trimer connected by phloroglucinol via axial positions. Dalton Transactions, 2016, 45, 908-912.	1.6	14
815	Artificial hemes for DSSC and/or BHJ applications. Dalton Transactions, 2016, 45, 1111-1126.	1.6	35
816	A direct arylation approach towards efficient small molecule organic solar cells. Journal of Materials Chemistry A, 2016, 4, 791-795.	5.2	22
817	Beyond efficiency: scalability of molecular donor materials for organic photovoltaics. Journal of Materials Chemistry C, 2016, 4, 3677-3685.	2.7	117
818	Non-symmetric benzo[b]-fused BODIPYs as a versatile fluorophore platform reaching the NIR: a systematic study of the underlying structure-property relationship. Dalton Transactions, 2016, 45, 7589-7604.	1.6	23
819	Interfacial engineering for high performance organic photovoltaics. Materials Today, 2016, 19, 169-177.	8.3	31
820	Synthesis and photophysical properties of a single bond linked tetracene dimer. Journal of Molecular Structure, 2016, 1116, 200-206.	1.8	8
821	Solution processed bulk heterojunction solar cells based on A <sup>∞</sup> -D <sup>∞</sup> -A small molecules with a dihydroindolindole (DINI) central donor and different acceptor end groups. Journal of Materials Chemistry C, 2016, 4, 3508-3516.	2.7	17
822	Elucidating the role of current injection on the influence of open-circuit voltage in small-molecule organic photovoltaic devices: From the aspects of charge transfer and electroluminescent spectrum. Organic Electronics, 2016, 33, 178-186.	1.4	5
823	Impact of structure and homo-coupling of the central donor unit of small molecule organic semiconductors on solar cell performance. RSC Advances, 2016, 6, 32298-32307.	1.7	18
824	Photoprecursor Approach Enables Preparation of Well-Performing Bulk-Heterojunction Layers Comprising a Highly Aggregating Molecular Semiconductor. ACS Applied Materials & Interfaces, 2016, 8, 8644-8651.	4.0	11
825	Triphenylamine and benzothiadiazole-based D-A-A <sup>∞</sup> ™ and A <sup>∞</sup> ™-A-D-D-A-A <sup>∞</sup> ™ type small molecules for solution-processed organic solar cells. Macromolecular Research, 2016, 24, 226-234.	1.0	20
826	Thieno[2,3- <i>b</i> ]indole-Based Small Push-Pull Chromophores: Synthesis, Structure, and Electronic Properties. Organic Letters, 2016, 18, 1582-1585.	2.4	50

#	ARTICLE	IF	CITATIONS
827	Interfacial Engineering for Enhanced Light Absorption and Charge Transfer of a Solution-Processed Bulk Heterojunction Based on Heptazole as a Small Molecule Type of Donor. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 8637-8643.	4.0	21
828	Simple donor-acceptor derivatives exhibiting aggregation-induced emission characteristics for use as emitting layer in OLED. <i>Dyes and Pigments</i> , 2016, 129, 80-89.	2.0	34
829	Dicyanoquinodimethane-substituted benzothiadiazole for efficient small-molecule solar cells. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 7235-7241.	1.3	22
830	Self-Assembling Tripodal Small-Molecule Donors for Bulk Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , 2016, 120, 3602-3611.	1.5	22
831	Solution processed reduced graphene oxide electrodes for organic photovoltaics. <i>Nanoscale Horizons</i> , 2016, 1, 375-382.	4.1	43
832	Synthesis of Main-Chain Poly(fullerene)s from a Sterically Controlled Azomethine Ylide Cycloaddition Polymerization. <i>Macromolecules</i> , 2016, 49, 1681-1691.	2.2	20
833	Enhanced organic solar cells efficiency through electronic and electro-optic effects resulting from charge transfers in polymer hole transport blends. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4252-4263.	5.2	24
834	Optimization and diagnostic of nonlinear optical features of $\pi$ -conjugated benzodifuran-based derivatives. <i>RSC Advances</i> , 2016, 6, 14439-14447.	1.7	82
835	Substrate-Directed Growth of <i>N</i> -Heteropolycyclic Molecules on a Metal Surface. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2866-2873.	1.5	19
836	Electron-Accepting $\pi$ -Conjugated Systems for Organic Photovoltaics: Influence of Structural Modification on Molecular Orientation at Donor-Acceptor Interfaces. <i>Chemistry of Materials</i> , 2016, 28, 1705-1713.	3.2	55
837	Tuning the central fused ring and terminal units to improve the photovoltaic performance of $Ar(Ar'D)_2$ type small molecules in solution-processed organic solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4952-4961.	5.2	32
838	Modulation of band gap and p- versus n-semiconductor character of ADA dyes by core and acceptor group variation. <i>Organic Chemistry Frontiers</i> , 2016, 3, 545-555.	2.3	25
839	Fine structural tuning of diketopyrrolopyrrole-cored donor materials for small molecule-fullerene organic solar cells: A theoretical study. <i>Organic Electronics</i> , 2016, 32, 134-144.	1.4	88
840	Stability of dye-sensitized solar cell under reverse bias condition: Resonance Raman spectroscopy combined with spectrally resolved analysis by transmittance and efficiency mapping. <i>Vibrational Spectroscopy</i> , 2016, 84, 106-117.	1.2	20
841	The effect of acceptor end groups on the physical and photovoltaic properties of $A-A'$ type oligomers with same S, N-heteropentacene central electron donor unit for solution processed organic solar cells. <i>Dyes and Pigments</i> , 2016, 129, 209-219.	2.0	23
842	Fully gravure printed organic photovoltaic modules: A straightforward process with a high potential for large scale production. <i>Solar Energy Materials and Solar Cells</i> , 2016, 144, 724-731.	3.0	73
843	Development of strongly absorbing S,N-heterohexacene-based donor materials for efficient vacuum-processed organic solar cells. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3715-3725.	2.7	26
844	Influence of the terminal donor on the performance of 4,8-dialkoxybenzo[1,2-b:4,5- $d^2$ ]dithiophene based small molecules for efficient solution-processed organic solar cells. <i>New Journal of Chemistry</i> , 2016, 40, 2063-2070.	1.4	8

#	ARTICLE	IF	CITATIONS
845	D-A-D-A-D push pull organic small molecules based on 5,10-dihydroindolo[3,2-b]indole (DINI) central core donor for solution processed bulk heterojunction solar cells. <i>Organic Electronics</i> , 2016, 30, 122-130.	1.4	28
846	Unsymmetrical squaraines with new linkage manner for high-performance solution-processed small-molecule organic photovoltaic cells. <i>RSC Advances</i> , 2016, 6, 1877-1884.	1.7	12
847	Combining Printing, Coating, and Vacuum Deposition on the Roll-to-Roll Scale: A Hybrid Organic Photovoltaics Fabrication. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 112-125.	1.9	36
848	Pd(0)-catalyzed domino C–N coupling/hydroamination/C–H arylation reactions: efficient synthesis and photophysical properties of azaindolo[1,2-f]phenanthridines. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1293-1301.	1.5	9
849	Extended rigid triptycene-tris(arylene)imidazoles as electron acceptors. <i>Chemical Communications</i> , 2016, 52, 1048-1051.	2.2	35
850	Perylene Bisimide Dye Assemblies as Archetype Functional Supramolecular Materials. <i>Chemical Reviews</i> , 2016, 116, 962-1052.	23.0	1,303
851	Condensed and low-defected graphitic carbon nitride with enhanced photocatalytic hydrogen evolution under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 413-419.	10.8	217
852	Low-Bandgap Small-Molecule Donor Material Containing Thieno[3,4-b]thiophene Moiety for High-Performance Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 3661-3668.	4.0	22
853	A sustainable approach for lignin valorization by heterogeneous photocatalysis. <i>Green Chemistry</i> , 2016, 18, 594-607.	4.6	238
854	A structure-property study toward extended phosphole chromophores with ambipolar redox properties. <i>Canadian Journal of Chemistry</i> , 2016, 94, 297-304.	0.6	2
855	Facile synthesis of arylthiophenyl-functionalized diketopyrrolopyrrole derivatives via direct C–H arylation: characterization and utilization in organic electronic devices. <i>New Journal of Chemistry</i> , 2016, 40, 385-392.	1.4	17
856	Thiophene-fused isoindigo based conjugated polymers for ambipolar organic field-effect transistors. <i>Polymer Chemistry</i> , 2016, 7, 235-243.	1.9	35
857	Artificial zinc chlorin dyes for dye sensitized solar cell. <i>Inorganica Chimica Acta</i> , 2016, 439, 30-34.	1.2	6
858	NIR absorbing D–A–D structured diketopyrrolopyrrole–dithiafulvalene based small molecule for solution processed organic solar cells. <i>Chemical Communications</i> , 2016, 52, 210-213.	2.2	38
859	Synthesis, characterization, photophysical and photovoltaic properties of new donor–acceptor platinum(II) acetylide complexes. <i>Journal of Organometallic Chemistry</i> , 2016, 812, 2-12.	0.8	13
860	Spirobifluorene based small push-pull molecules for organic photovoltaic applications. <i>Dyes and Pigments</i> , 2017, 140, 62-69.	2.0	2
861	Mixing Chromophores: Donor–Acceptor Dyes with Low-Lying LUMOs and Narrow Band Gaps by Connecting 4-Alkoxythiazoles and Azaacenes. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1369-1379.	1.2	10
862	Three-dimensional conjugated compounds as non-fullerene acceptors in organic photovoltaics: the influence of acceptor unit orientation at phase interfaces on photocurrent generation efficiency. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3932-3938.	5.2	21



#	ARTICLE	IF	CITATIONS
863	Directional Charge-Carrier Transport in Oriented Benzodithiophene Covalent Organic Framework Thin Films. <i>ACS Nano</i> , 2017, 11, 2706-2713.	7.3	117
864	Strongly optical absorptive nanofluids and rheology in bonded fullerene C <sub>60</sub> via poly(vinyl pyrrolidone) molecules in water. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017, 25, 143-150.	1.0	11
866	Small is Powerful: Recent Progress in Solution-Processed Small Molecule Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1602242.	10.2	371
867	From bulk to nano metal phthalocyanine by recrystallization with enhanced nucleation. <i>Dyes and Pigments</i> , 2017, 139, 97-101.	2.0	13
868	Peripherally diketopyrrolopyrrole-functionalized dendritic oligothiophenes – synthesis, molecular structure, properties and applications. <i>Polymer Chemistry</i> , 2017, 8, 1460-1476.	1.9	9
869	Amorphous Formability and Temperature-Sensitive Luminescence of Lanthanide Coordination Glasses Linked by Thienyl, Naphthyl, and Phenyl Bridges with Ethynyl Groups. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 322-326.	2.0	10
870	Designing Small Molecule Organic Solar Cells with High Open-Circuit Voltage. <i>ChemistrySelect</i> , 2017, 2, 1253-1261.	0.7	12
871	Development of Spiro[cyclopenta[1,2- <i>b</i> :5,4- <i>b'</i> ]dithiophene-4,9-fluorene]-Based A- $\pi$ -D- $\pi$ -A Small Molecules with Different Acceptor Units for Efficient Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 4614-4625.	4.0	49
872	Enhancing optical anisotropy of crystals by optimizing bonding electron distribution in anionic groups. <i>Chemical Communications</i> , 2017, 53, 2818-2821.	2.2	155
873	New Wide Band Gap Donor for Efficient Fullerene-Free All-Small-Molecule Organic Solar Cells. <i>Journal of the American Chemical Society</i> , 2017, 139, 1958-1966.	6.6	260
874	Synthesis and Physical Properties of Strained Doubly Phosphorus-Bridged Biaryls and Viologens. <i>Chemistry - A European Journal</i> , 2017, 23, 6029-6033.	1.7	21
875	Donor End-Capped Hexafluorinated Oligomers for Organic Solar Cells with 9.3% Efficiency by Engineering the Position of $\pi$ -Bridge and Sequence of Two-Step Annealing. <i>Chemistry of Materials</i> , 2017, 29, 1036-1046.	3.2	39
876	Suzuki-Miyaura Micellar Cross-Coupling in Water, at Room Temperature, and under Aerobic Atmosphere. <i>Organic Letters</i> , 2017, 19, 654-657.	2.4	61
877	A Theoretical Perspective on the Photovoltaic Performance of S,N-Heteroacenes: An Even-Odd Effect on the Charge Separation Dynamics. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2574-2587.	1.5	56
878	1,3-Bis(thieno[3,4- <i>b</i> ]thiophen-6-yl)-4- <i>H</i> -thieno[3,4- <i>c</i> ]pyrrole-4,6(5- <i>H</i> )-dione-Based Small-Molecule Donor for Efficient Solution-Processed Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 6213-6219.	4.0	20
879	Outdoor Performance and Stability of Boron Subphthalocyanines Applied as Electron Acceptors in Fullerene-Free Organic Photovoltaics. <i>ACS Energy Letters</i> , 2017, 2, 726-732.	8.8	47
880	Functional organic click-materials: application in phosphorescent organic light emitting diodes. <i>RSC Advances</i> , 2017, 7, 12150-12160.	1.7	9
881	Tuning photovoltaic performance of DOBT-based dyes via molecular design with ethynyl-linker and terminal electron-donating segment. <i>Dyes and Pigments</i> , 2017, 140, 203-211.	2.0	24

#	ARTICLE	IF	CITATIONS
882	Tetraalkoxyphenanthrene-Fused Thiadiazoloquinoxalines: Synthesis, Electronic, Optical, and Electrochemical Properties, and Self-Assembly. <i>Journal of Organic Chemistry</i> , 2017, 82, 3132-3143.	1.7	9
883	Ferrocene-diketopyrrolopyrrole based small molecule donors for bulk heterojunction solar cells. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7262-7269.	1.3	16
884	BODIPY-based polymeric dyes as emerging horizon materials for biological sensing and organic electronic applications. <i>Progress in Polymer Science</i> , 2017, 71, 26-52.	11.8	67
885	High-fidelity self-assembly pathways for hydrogen-bonding molecular semiconductors. <i>Scientific Reports</i> , 2017, 7, 43098.	1.6	34
886	Triphenylamine-Based Push-Pull Molecule for Photovoltaic Applications: From Synthesis to Ultrafast Device Photophysics. <i>Journal of Physical Chemistry C</i> , 2017, 121, 6424-6435.	1.5	17
887	Atomistic modelling – impact and opportunities in thin-film photovoltaic solar cell technologies. <i>Molecular Simulation</i> , 2017, 43, 774-796.	0.9	4
888	9-Fluorenone and 9,10-anthraquinone potential fused aromatic building blocks to synthesize electron acceptors for organic solar cells. <i>New Journal of Chemistry</i> , 2017, 41, 2899-2909.	1.4	19
889	Molecular Origin of Donor- and Acceptor-Rich Domain Formation in Bulk-Heterojunction Solar Cells with an Enhanced Charge Transport Efficiency. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5864-5870.	1.5	18
890	Catalyst-free one-step synthesis of ortho-tetraaryl perylene diimides for efficient OPV non-fullerene acceptors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2781-2785.	2.7	39
891	Synthesis of Fluorenes with an All-Carbon Quaternary Center via Palladium-Catalyzed Dual Arylation using Cyclic Diaryliodonium Triflates. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1152-1156.	2.1	24
892	Vinazene end-capped acceptor-donor-acceptor type small molecule for solution-processed organic solar cells. <i>Organic Electronics</i> , 2017, 44, 11-19.	1.4	5
893	The influence of the central acceptor unit on the optoelectronic properties and photovoltaic performance of A-A'-A-type co-oligomers. <i>Organic Chemistry Frontiers</i> , 2017, 4, 755-766.	2.3	8
894	Toward Sustainable Organic Semiconductors from a Broad Palette of Green Reactions. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2707-2714.	1.2	15
895	Novel low bandgap phenothiazine functionalized DPP derivatives prepared by direct heteroarylation: Application in bulk heterojunction organic solar cells. <i>Dyes and Pigments</i> , 2017, 141, 169-178.	2.0	37
896	Effect of Cross-Conjugation on Derivatives of Benzoisindigo, an Isoindigo Analogue with an Extended $\pi$ -System. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9110-9119.	1.5	15
897	Crystallisation-enhanced bulk hole mobility in phenothiazine-based organic semiconductors. <i>Scientific Reports</i> , 2017, 7, 46268.	1.6	28
898	2D Supramolecular networks of dibenzonitrilediacetylene on Ag(111) stabilized by intermolecular hydrogen bonding. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10602-10610.	1.3	6
899	Cruciform Electron Acceptors Based on Tetraindenone-Fused Spirofluorene. <i>Crystal Growth and Design</i> , 2017, 17, 2816-2821.	1.4	9

#	ARTICLE	IF	CITATIONS
900	Influence of Vapor Deposition on Structural and Charge Transport Properties of Ethylbenzene Films. ACS Central Science, 2017, 3, 415-424.	5.3	21
901	Cyclopentadithiophene-based co-oligomers for solution-processed organic solar cells. Dyes and Pigments, 2017, 143, 112-122.	2.0	6
902	Direct Olefination of Fluorinated Quinoxalines <i>via</i> Cross-Dehydrogenative Coupling Reactions: A New Near-Infrared Probe for Mitochondria. Advanced Synthesis and Catalysis, 2017, 359, 2259-2268.	2.1	16
903	New cyclopentadithiophene (CDT) linked porphyrin donors with different end-capping acceptors for efficient small molecule organic solar cells. Journal of Materials Chemistry C, 2017, 5, 4742-4751.	2.7	19
904	Dehydrogenative cross-coupling of o-carborane with thiophenes via Ir-catalyzed regioselective C-B-H and C(sp <sup>2</sup> )-H activation. Chemical Communications, 2017, 53, 4818-4821.	2.2	66
905	The relationship between molecular structure and electronic properties in dicyanovinyl substituted acceptor-donor-acceptor chromophores. Tetrahedron, 2017, 73, 4994-5004.	1.0	21
906	Systematic evaluation of structure-property relationships in heteroacene diketopyrrolopyrrole molecular donors for organic solar cells. Journal of Materials Chemistry A, 2017, 5, 9217-9232.	5.2	31
907	Polymer Nanocomposites for Energy and Fuel Cell Applications. , 2017, , 107-137.		2
908	First-Principle Study on the Effect of Pi-Spacers on Small Molecule Acceptors: Quantum Design of Organic Solar Cells and NLO Compounds. Journal of Cluster Science, 2017, 28, 2419-2431.	1.7	5
909	Engineering the self-assembly of diketopyrrolopyrrole-based molecular semiconductors via an aliphatic linker strategy. Journal of Materials Chemistry A, 2017, 5, 10526-10536.	5.2	8
910	Design of diblock co-oligomers as low bandgap small molecules for organic solar cells. Molecular Simulation, 2017, 43, 1496-1501.	0.9	3
911	Glass-sandwich-type organic solar cells utilizing liquid crystalline phthalocyanine. Applied Physics Express, 2017, 10, 021602.	1.1	8
912	The influence of branched alkyl side chains in A <sup>n</sup> D <sup>m</sup> A oligothiophenes on the photovoltaic performance and morphology of solution-processed bulk-heterojunction solar cells. Organic Chemistry Frontiers, 2017, 4, 1561-1573.	2.3	24
913	High-performance all-polymer nonfullerene solar cells by employing an efficient polymer-small molecule acceptor alloy strategy. Nano Energy, 2017, 36, 356-365.	8.2	58
914	Amorphous porphyrin glasses exhibit near-infrared excimer luminescence. RSC Advances, 2017, 7, 22679-22683.	1.7	19
915	Photo-Induced Charge Carrier Recombination Kinetics in Small Molecule Organic Solar Cells and the Influence of Film Nanomorphology. Advanced Energy Materials, 2017, 7, 1601509.	10.2	33
916	The synthesis, structure, and properties of 5,6,11,12-tetraaryllindeno[1,2-b]fluorenes and their applications as donors for organic photovoltaic devices. Organic Chemistry Frontiers, 2017, 4, 675-681.	2.3	12
917	Time evolution studies of dithieno[3,2-b:2',3'-d]pyrrole-based A <sup>n</sup> D <sup>m</sup> A oligothiophene bulk heterojunctions during solvent vapor annealing towards optimization of photocurrent generation. Journal of Materials Chemistry A, 2017, 5, 1005-1013.	5.2	19

#	ARTICLE	IF	CITATIONS
918	Effects of Substituents on Transport Properties of Molecular Materials for Organic Solar Cells: A Theoretical Investigation. <i>Chemistry of Materials</i> , 2017, 29, 673-681.	3.2	31
919	Solution-processed organic tandem solar cells with power conversion efficiencies >12%. <i>Nature Photonics</i> , 2017, 11, 85-90.	15.6	510
920	Boron difluoride hemicurcuminoid as an efficient far red to near-infrared emitter: toward OLEDs and laser dyes. <i>Chemical Communications</i> , 2017, 53, 7003-7006.	2.2	86
921	Kinetic Monte Carlo Modeling of Charge Carriers in Organic Electronic Devices: Suppression of the Self-Interaction Error. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2507-2512.	2.1	17
922	Relating stacking structures and charge transport in crystal polymorphs of the pyrrole-based $\pi$ -conjugated molecule. <i>Organic Electronics</i> , 2017, 49, 53-63.	1.4	11
923	Understanding the Limiting Factors of Solvent-Annealed Small-Molecule Bulk-Heterojunction Organic Solar Cells from a Chemical Perspective. <i>ChemSusChem</i> , 2017, 10, 3118-3134.	3.6	8
924	Angle-Dependent Photoluminescence Spectroscopy of Solution-Processed Organic Semiconducting Nanobelts. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12441-12446.	1.5	4
925	Unprecedented low energy losses in organic solar cells with high external quantum efficiencies by employing non-fullerene electron acceptors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14887-14897.	5.2	38
926	Effect of Annealing on Exciton Diffusion in a High Performance Small Molecule Organic Photovoltaic Material. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 14945-14952.	4.0	36
927	Alkenyl Carboxylic Acid: Engineering the Nanomorphology in Polymer-Polymer Solar Cells as Solvent Additive. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13396-13405.	4.0	14
928	Endohedral fullerenes: Synthesis, isolation, mono- and bis-functionalization. <i>Inorganica Chimica Acta</i> , 2017, 468, 16-27.	1.2	37
929	Subphthalocyanines Axially Substituted with a Tetracyanobuta-1,3-diene-Aniline Moiety: Synthesis, Structure, and Physicochemical Properties. <i>Journal of the American Chemical Society</i> , 2017, 139, 5520-5529.	6.6	73
930	Construction of a bicontinuous donor-acceptor hybrid material at the molecular level by inserting inorganic nanowires into porous MOFs. <i>Chemical Communications</i> , 2017, 53, 4481-4484.	2.2	41
931	Small Molecules with Asymmetric 4-Alkyl-8-alkoxybenzo[1,2- <i>b</i> :4,5- <i>b'</i> ]dithiophene as the Central Unit for High-Performance Solar Cells with High Fill Factors. <i>Chemistry of Materials</i> , 2017, 29, 3694-3703.	3.2	28
932	Theoretical design of three-dimensional non-fullerene acceptor materials based on an arylenediimide unit towards high efficiency organic solar cells. <i>New Journal of Chemistry</i> , 2017, 41, 3857-3864.	1.4	14
933	New fluorescent imidazo[1,2- <i>a</i> ]pyridine-BODIPY chromophores: Experimental and theoretical approaches, and cell imaging exploration. <i>Dyes and Pigments</i> , 2017, 142, 330-339.	2.0	22
934	Achieving yellow emission by varying the donor/acceptor units in rod-shaped fluorenyl-alkynyl based $\pi$ -conjugated oligomers and their binuclear gold( $\kappa^2$ ) alkynyl complexes. <i>Dalton Transactions</i> , 2017, 46, 5918-5929.	1.6	23
935	Singlet open-shell diradical nature and redox properties of conjugated carbonyls: a quantum chemical study. <i>Theoretical Chemistry Accounts</i> , 2017, 136, 1.	0.5	6

#	ARTICLE	IF	CITATIONS
936	Efficient Polymer Solar Cells with High Open-Circuit Voltage Containing Diketopyrrolopyrrole-Based Non-Fullerene Acceptor Core End-Capped with Rhodanine Units. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 11739-11748.	4.0	43
937	9.73% Efficiency Nonfullerene All Organic Small Molecule Solar Cells with Absorption-Complementary Donor and Acceptor. <i>Journal of the American Chemical Society</i> , 2017, 139, 5085-5094.	6.6	303
938	Developing high-performance small molecule organic solar cells via a large planar structure and an electron-withdrawing central unit. <i>Chemical Communications</i> , 2017, 53, 451-454.	2.2	22
939	Synthesis and Characterization of Diketopyrrolopyrrole-based D-A-E Small Molecules for Organic Solar Cell Applications. <i>Journal of Heterocyclic Chemistry</i> , 2017, 54, 1983-1994.	1.4	5
940	Atomistic Approach To Simulate Processes Relevant for the Efficiencies of Organic Solar Cells as a Function of Molecular Properties. II. Kinetic Aspects. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26-51.	1.5	17
941	Sequence Effects in Donor-Acceptor Oligomeric Semiconductors Comprising Benzothiadiazole and Phenylenevinylene Monomers. <i>Macromolecules</i> , 2017, 50, 151-161.	2.2	33
942	Cyclopentadithiophene organic core in small molecule organic solar cells: morphological control of carrier recombination. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 3640-3648.	1.3	8
943	Metal-free photosensitizers based on benzodithienothiophene as $\pi$ -conjugated spacer for dye-sensitized solar cells. <i>Organic Electronics</i> , 2017, 42, 275-283.	1.4	16
944	Regiochemically Controlled Synthesis of a $\text{I}^2\text{-4-I}^2$ [70]Fullerene Bis-Adduct. <i>Journal of Organic Chemistry</i> , 2017, 82, 893-897.	1.7	8
945	Dissociation exists in s-triazine based donor-accepter organic systems by photo-induced electron transfer. <i>Dyes and Pigments</i> , 2017, 139, 264-273.	2.0	11
946	Effect of photo-induced charge separated state lifetimes in donor-acceptor1-acceptor2 organic ambipolar semiconductors on their photovoltaic performances. <i>Dyes and Pigments</i> , 2017, 139, 601-610.	2.0	10
947	Rapid and green synthesis of complementary D-A small molecules for organic photovoltaics. <i>Organic Electronics</i> , 2017, 42, 322-328.	1.4	20
948	On the applicability of time-dependent density functional theory (TDDFT) and semiempirical methods to the computation of excited-state potential energy surfaces of perylene-based dye aggregates. <i>International Journal of Quantum Chemistry</i> , 2017, 117, e25337.	1.0	29
949	Improving photovoltaic properties of the linear A-Ar-A type small molecules with rhodanine by extending arylene core. <i>Dyes and Pigments</i> , 2017, 139, 42-49.	2.0	6
950	Donor-Acceptor Dyes for Organic Photovoltaics. <i>Advances in Polymer Science</i> , 2017, , 193-214.	0.4	21
951	New Charge-Transfer Complexes with 1,2,5-Thiadiazoles as Both Electron Acceptors and Donors Featuring an Unprecedented Addition Reaction. <i>Chemistry - A European Journal</i> , 2017, 23, 852-864.	1.7	25
952	A non-volatile resistive memory effect in 2,2',6,6'-tetraphenyl-dipyranilidene thin films as observed in field-effect transistors and by conductive atomic force microscopy. <i>RSC Advances</i> , 2017, 7, 3336-3342.	1.7	5
953	A-D-A-type small molecular acceptor with one hexyl-substituted thiophene as $\pi$ bridge for fullerene-free organic solar cells. <i>Science China Materials</i> , 2017, 60, 49-56.	3.5	10

#	ARTICLE	IF	CITATIONS
954	Thiophene-Based Organic Semiconductors. <i>Topics in Current Chemistry</i> , 2017, 375, 84.	3.0	88
955	Supercharged, Precise, Megametallo dendrimers via a Single-Step, Quantitative, Assembly Process. <i>Journal of the American Chemical Society</i> , 2017, 139, 15652-15655.	6.6	37
956	Novel thienoisindigo-based dyes for near-infrared organic photovoltaics - A combination of theoretical and experimental study. <i>Organic Electronics</i> , 2017, 51, 410-421.	1.4	5
957	Understanding the Impact of Thiophene/Furan Substitution on Intrinsic Charge-Carrier Mobility. <i>Journal of Physical Chemistry C</i> , 2017, 121, 25682-25690.	1.5	17
958	Near-Infrared Fluorescence of Silicon Phthalocyanine Carboxylate Esters. <i>Scientific Reports</i> , 2017, 7, 12282.	1.6	17
959	Long-range ordering of composites for organic electronics: TIPS-pentacene single crystals with incorporated nano-fibers. <i>Chinese Chemical Letters</i> , 2017, 28, 2121-2124.	4.8	20
960	Controlling the photochemical reaction of an azastilbene derivative in water using a water-soluble pillar[6]arene. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7618-7622.	1.5	14
961	Synthesis and solar-cell applications of novel furanyl-substituted anthracene derivatives. <i>Optical Materials</i> , 2017, 73, 206-212.	1.7	21
962	Pushing to the low limits: tetraazaanthracenes with very low-lying LUMO levels and near-infrared absorption. <i>Chemical Communications</i> , 2017, 53, 10220-10223.	2.2	7
963	Effect of alkyl side chains on properties and organic transistor performance of 2,6-bis(2,2'-bithiophen-5-yl)naphthalene. <i>Synthetic Metals</i> , 2017, 233, 1-14.	2.1	12
964	Charge Separation and Triplet Exciton Formation Pathways in Small-Molecule Solar Cells as Studied by Time-Resolved EPR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22707-22719.	1.5	19
965	Novel brominated compounds using in binary additives based organic solar cells to achieve high efficiency over 10.3%. <i>Organic Electronics</i> , 2017, 50, 507-514.	1.4	8
966	Catalysts Encapsulated in Nanostructured Carbon Systems. , 2017, , 71-122.		1
967	Highly soluble and thermally stable alkyl-free star-shaped D- $\pi$ -A oligomer with electron-withdrawing phenyldicyanovinyl groups for organic photovoltaics. <i>Organic Electronics</i> , 2017, 51, 180-189.	1.4	15
968	Self-sorted Oligophenylvinylene and Perylene Bisimide Hydrogels. <i>Scientific Reports</i> , 2017, 7, 8380.	1.6	30
969	Modulating Thiazole Orange Aggregation in Giant Lipid Vesicles: Photophysical Study Associated with FLIM and FCS. <i>ACS Omega</i> , 2017, 2, 5036-5043.	1.6	10
970	Preparation of efficient oligomer-based bulk-heterojunction solar cells from eco-friendly solvents. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9920-9928.	2.7	17
971	D-A structural protean small molecule donor materials for solution-processed organic solar cells. <i>Chinese Chemical Letters</i> , 2017, 28, 2065-2077.	4.8	19

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972	Application of Supramolecular Assembly of Porphyrin Dimers for Bulk Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 20084-20092.	1.5	4
973	Theoretical study of the design dye-sensitivity for usage in the solar cell device. <i>Results in Physics</i> , 2017, 7, 4359-4363.	2.0	15
974	Synthesis of a Doubly Boron-Doped Perylene through NHC-Borenum Hydroboration/C-H Borylation/Dehydrogenation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11846-11850.	7.2	59
975	Designing Benzodithiophene-Based Donor Materials with Favorable Photovoltaic Parameters for Bulk Heterojunction Organic Solar Cells. <i>ChemistrySelect</i> , 2017, 2, 5628-5639.	0.7	12
976	Chinoide/Aromatische Umwandlungen in $\pi$ -konjugierten Oligomeren: Raman-Schwingungsspektroskopie an der Grenze zum $\pi$ -Bindungsbruch. <i>Angewandte Chemie</i> , 2017, 129, 2286-2296.	1.6	24
977	Multichromophore Donor Materials Derived from Diketopyrrolopyrrole and Phenoxazine: Design, Synthesis, and Photovoltaic Performance. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4896-4904.	1.2	7
978	Metal Oxides as Efficient Charge Transporters in Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1602803.	10.2	147
979	Morphology stabilization strategies for small-molecule bulk heterojunction photovoltaics. <i>Journal of Materials Chemistry A</i> , 2017, 5, 17517-17524.	5.2	16
980	Molecular design of organic small molecules based on diindole-diimide with fused aromatic heterocycles as donors for organic solar cells. <i>RSC Advances</i> , 2017, 7, 39899-39905.	1.7	27
981	Assembly of donor-acceptor hybrid heterostructures based on iodoplumbates and viologen coordination polymers. <i>Dalton Transactions</i> , 2017, 46, 11556-11560.	1.6	38
982	Rigidified Push-Pull Dyes: Using Chromophore Size, Donor, and Acceptor Units to Tune the Ground State between Neutral and the Cyanine Limit. <i>ChemPlusChem</i> , 2017, 82, 1197-1210.	1.3	8
983	Effect of capping group on the properties of non-polymeric diketopyrrolopyrroles for solution-processed bulk heterojunction solar cells. <i>Organic Electronics</i> , 2017, 50, 339-346.	1.4	3
984	On the Control of Chromophore Orientation, Supramolecular Structure, and Thermodynamic Stability of an Amphiphilic Pyridyl-Thiazol upon Lateral Compression and Spacer Length Variation. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 44181-44191.	4.0	22
985	Spectroscopic Engineering toward Near-Infrared Absorption of Materials Containing Perylene Diimide. <i>ChemPlusChem</i> , 2017, 82, 1359-1364.	1.3	16
986	Exploring what prompts ITIC to become a superior acceptor in organic solar cell by combining molecular dynamics simulation with quantum chemistry calculation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31227-31235.	1.3	39
987	Synthesis of low bandgap small molecules containing fluorinated benzothiadiazole and phenothiazine for photovoltaic applications. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 653, 27-32.	0.4	1
988	Synthesis and characterization conjugated oligomer based on phenothiazine derivative. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 653, 78-83.	0.4	1
989	Design Principles and Top Non-Fullerene Acceptor Candidates for Organic Photovoltaics. <i>Joule</i> , 2017, 1, 857-870.	11.7	157

#	ARTICLE	IF	CITATIONS
990	Toward Over 15% Power Conversion Efficiency for Organic Solar Cells: Current Status and Perspectives. <i>Small Methods</i> , 2017, 1, 1700258.	4.6	130
991	Ethyne-Linked Push-Pull Chromophores: Implications of Crystal Structure and Molecular Electronics on the Quadric Nonlinear Activity. <i>Crystal Growth and Design</i> , 2017, 17, 4124-4136.	1.4	5
992	Porphyrin based push-pull conjugates as donors for solution-processed bulk heterojunction solar cells: a case of metal-dependent power conversion efficiency. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15529-15533.	5.2	21
993	Conjugated Trimeric Scaffolds Accessible from Indolyne Cyclotrimerizations: Synthesis, Structures, and Electronic Properties. <i>Journal of the American Chemical Society</i> , 2017, 139, 10447-10455.	6.6	47
994	Charge-transfer states in triazole linked donor-acceptor materials: strong effects of chemical modification and solvation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 18055-18067.	1.3	19
995	The effect of tuning chemical structure on the open-circuit voltage and photovoltaic performance of narrow band-gap polymers. <i>Journal of Polymer Science Part A</i> , 2017, 55, 699-706.	2.5	2
996	Structure-Property Relationships from Atomistic Multiscale Simulations of the Relevant Processes in Organic Solar Cells. I. Thermodynamic Aspects. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4-25.	1.5	28
997	End-Capping Groups for Small-Molecule Organic Semiconducting Materials: Synthetic Investigation and Photovoltaic Applications through Direct C-H (Hetero)arylation. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 111-123.	1.2	11
998	Printed Organic and Inorganic Electronics: Devices To Systems. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2017, 7, 147-160.	2.7	33
999	A novel D2-A-D1-A-D2-type donor-acceptor conjugated small molecule based on a benzo[1,2-b:4,5-b']dithiophene core for solution processed organic photovoltaic cells. <i>Chemical Physics Letters</i> , 2017, 667, 254-259.	1.2	8
1000	A low band gap conjugated small molecule based on isoindigo flanked with diketopyrrolopyrrole for efficient organic solar cells. <i>Dyes and Pigments</i> , 2017, 137, 512-517.	2.0	10
1001	Development of novel naphtho[1,2-b:5,6-b']dithiophene and thieno[3,4-c]pyrrole-4,6-dione based small molecules for bulk-heterojunction organic solar cells. <i>Dyes and Pigments</i> , 2017, 137, 117-125.	2.0	4
1002	Enhancing the efficiency of solution-processable bulk-heterojunction devices via a three-dimensional molecular architecture comprising triphenylamine and cyanopyridone. <i>Dyes and Pigments</i> , 2017, 137, 126-134.	2.0	10
1003	Quinoidal/Aromatic Transformations in Conjugated Oligomers: Vibrational Raman studies on the Limits of Rupture for C-Bonds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2250-2259.	7.2	91
1004	Synthesis of thiophenyl-substituted unsymmetrical anthracene derivatives and investigation of their electrochemical and electrooptical properties. <i>Solar Energy Materials and Solar Cells</i> , 2017, 161, 31-37.	3.0	13
1005	Heterogeneous Monolithic Integration of Single-Crystal Organic Materials. <i>Advanced Materials</i> , 2017, 29, 1603285.	11.1	25
1006	Diaza-analogs of benzopyrene and perylene containing thienyl and 4-(phenylamino)phenyl groups: Synthesis, characterization, optical and electrochemical properties. <i>Dyes and Pigments</i> , 2017, 136, 707-714.	2.0	5
1007	Investigation on the effect of copper doping on CdS <sub>1-x</sub> Se <sub>x</sub> thin films. <i>Ferroelectrics</i> , 2017, 518, 153-162.	0.3	3



#	ARTICLE	IF	CITATIONS
1008	Surface Mobility and Nucleation of a Molecular Switch: Tetraaniline on Hematite. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26350-26360.	1.5	1
1009	Self-Assembled Organic Materials for Photovoltaic Application. <i>Polymers</i> , 2017, 9, 112.	2.0	23
1010	Small Molecules Derived from Thieno[3,4-c]pyrrole-4,6-dione (TPD) and Their Use in Solution Processed Organic Solar Cells. <i>Molecules</i> , 2017, 22, 1607.	1.7	26
1011	Solution-Processed Graphene-Based Transparent Conductive Electrodes as Ideal ITO Alternatives for Organic Solar Cells. , 2017, , .		4
1012	Synthesis and application of trifluoroethoxy-substituted phthalocyanines and subphthalocyanines. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 2273-2296.	1.3	23
1013	Quantitative Structure-Activity Relationship Studies of Anticancer Activity for Isatin (1H-indole-2,3-dione) Derivatives Based on Density Functional Theory. <i>International Journal of Quantitative Structure-Property Relationships</i> , 2017, 2, 90-115.	1.1	3
1014	Influence of the Crystalline Nature of Small Donors Molecules on the Efficiency and Stability of Organic Photovoltaic Devices. <i>Solar Rrl</i> , 2018, 2, 1700235.	3.1	11
1015	Organic polymeric and small molecular electron acceptors for organic solar cells. <i>Materials Science and Engineering Reports</i> , 2018, 124, 1-57.	14.8	67
1016	Iodine insertion and dispersion of refractive index in organic single crystal semiconductor. <i>Scientific Reports</i> , 2018, 8, 3370.	1.6	0
1017	The [2+2] Cycloaddition-Retroelectrocyclization (CA-RE) Click Reaction: Facile Access to Molecular and Polymeric Push-Pull Chromophores. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3552-3577.	7.2	120
1018	Effects of Single Atom N-Substitution in the Molecular Skeleton on Fabricated Film Quality and Memory Device Performance. <i>Crystal Growth and Design</i> , 2018, 18, 1432-1436.	1.4	7
1019	Influence of alkyl chain length in <i>S</i> , <i>N</i> -heteropentacenes on the performance of organic solar cells. <i>Materials Chemistry Frontiers</i> , 2018, 2, 959-968.	3.2	17
1020	Tuning the Optoelectronic Properties of Naphtho-dithiophene-Based A-D-A Type Small Donor Molecules for Bulk Heterojunction Organic Solar Cells. <i>ChemistrySelect</i> , 2018, 3, 2352-2358.	0.7	14
1021	Medium-Bandgap Small-Molecule Donors Compatible with Both Fullerene and Nonfullerene Acceptors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 9587-9594.	4.0	25
1022	In-Depth Consideration of Vertically 3D Microstructured Bulk Heterojunction Layers via Solvent Vapor Annealing in DR3TSBDT:PC <sub>71</sub> BM Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6514-6525.	1.5	6
1023	Phenanthro[9,10- <i>e</i> ,4,5]imidazo[2,1- <i>a</i> ]isoquinoline derivatives containing phenoxazine moiety: Synthesis and photophysical properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 360, 58-63.	2.0	21
1024	Amorphous Formability and Temperature-Sensitive Luminescence of Lanthanide Coordination Glasses. <i>Springer Theses</i> , 2018, , 69-80.	0.0	0
1025	New peripherally and non-peripherally tetra-substituted metal-free, magnesium(II) and zinc(II) phthalocyanine derivatives fused chalcone units: Design, synthesis, spectroscopic characterization, photochemistry and photophysics. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 361, 1-11.	2.0	32

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1026	Triphenylamine-Based Push-Pull $C_{60}$ Dyad As Photoactive Molecular Material for Single-Component Organic Solar Cells: Synthesis, Characterizations, and Photophysical Properties. <i>Chemistry of Materials</i> , 2018, 30, 3474-3485.	3.2	58
1027	End-group tuning of DTBDT-based small molecules for organic photovoltaics. <i>Dyes and Pigments</i> , 2018, 157, 93-100.	2.0	15
1028	Fully Conjugated Porphyrin Glass: Collective Light-Harvesting Antenna for Near-Infrared Fluorescence beyond 1 $\mu$ m. <i>ACS Omega</i> , 2018, 3, 4466-4474.	1.6	4
1029	Influence of thermal annealing-induced molecular aggregation on film properties and photovoltaic performance of bulk heterojunction solar cells based on a squaraine dye. <i>Frontiers of Materials Science</i> , 2018, 12, 139-146.	1.1	4
1030	Efficient CsF interlayer for high and low bandgap polymer solar cell. <i>AIP Advances</i> , 2018, 8, 025018.	0.6	7
1031	Peripherally Cyanated Subphthalocyanines as Potential n-Type Organic Semiconductors. <i>Chemistry - A European Journal</i> , 2018, 24, 8331-8342.	1.7	9
1033	Pseudohalide-Induced 2D $(CH_3)_3NH_3)_2Pb_2(SCN)_2$ Perovskite for Ternary Resistive Memory with High Performance. <i>Small</i> , 2018, 14, e1703667.	5.2	91
1034	Theoretical Calculations of the Optical and Electronic Properties of Dithienosilole- and Dithiophene-Based Donor Materials for Organic Solar Cells. <i>ChemistrySelect</i> , 2018, 3, 1593-1601.	0.7	42
1035	The growth and assembly of organic molecules and inorganic 2D materials on graphene for van der Waals heterostructures. <i>Carbon</i> , 2018, 131, 246-257.	5.4	21
1036	Small Molecule Interlayers in Organic Solar Cells. <i>Advanced Energy Materials</i> , 2018, 8, 1702730.	10.2	60
1037	Columnar-Structured Low-Concentration Donor Molecules in Bulk Heterojunction Organic Solar Cells. <i>ACS Omega</i> , 2018, 3, 929-936.	1.6	12
1038	Efficient carbazole-based small-molecule organic solar cells with an improved fill factor. <i>RSC Advances</i> , 2018, 8, 4867-4871.	1.7	11
1039	Rational Design of Perylene-3,4,9,10-tetracarboxylic diimide-Substituted Triphenylethylene to Electron Transporting Aggregation-Induced Emission Luminogens (AIEgens) with High Mobility and Near-Infrared Emission. <i>Advanced Functional Materials</i> , 2018, 28, 1705609.	7.8	82
1041	Sandwich-cell-type bulk-heterojunction organic solar cells utilizing liquid crystalline phthalocyanine. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 03EJ03.	0.8	7
1042	Ultralong 20 Milliseconds Charge Separation Lifetime for Photoilluminated Oligophenylenevinylene-Azafullerene Systems. <i>Advanced Functional Materials</i> , 2018, 28, 1702278.	7.8	8
1043	Two Thieno[3,2-b]thiophene-Based Small Molecules as Bifunctional Photoactive Materials for Organic Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1700179.	3.1	12
1044	New n-Type Solution Processable All Conjugated Polymer Network: Synthesis, Optoelectronic Characterization, and Application in Organic Solar Cells. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700629.	2.0	7
1045	Carbazole and rhodanine based donor molecule with improved processability for high performance organic photovoltaics. <i>Dyes and Pigments</i> , 2018, 151, 272-278.	2.0	12

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1047	Computational Design, Synthesis, and Structure Property Evaluation of 1,3-Thiazole-Based Color-Tunable Multi-heterocyclic Small Organic Fluorophores as Multifunctional Molecular Materials. <i>Journal of Organic Chemistry</i> , 2018, 83, 3453-3466.	1.7	24
1048	Synthesis and photophysical properties of 2,2'-bis(oligothiophene)-9,9'-bifluorenylidene derivatives. <i>New Journal of Chemistry</i> , 2018, 42, 2094-2103.	1.4	5
1049	Enhancing the photovoltaic performance of bulk heterojunction polymer solar cells by adding Rhodamine B laser dye as co-sensitizer. <i>Journal of Colloid and Interface Science</i> , 2018, 515, 139-151.	5.0	14
1050	Novel $\pi$ -Conjugated Polymer Based on an Extended Thienoquinoid. <i>Chemistry of Materials</i> , 2018, 30, 319-323.	3.2	17
1051	A Heteroarylamine Library: Indium-Catalyzed Nucleophilic Aromatic Substitution of Alkoxyheteroarenes with Amines. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1159-1181.	2.1	18
1052	3,4-Phenylenedioxythiophenes (PheDOTs) functionalized with electron-withdrawing groups and their analogs for organic electronics. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3743-3756.	2.7	15
1053	Towards predicting the power conversion efficiencies of organic solar cells from donor and acceptor molecule structures. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3276-3287.	2.7	17
1054	Benzothiadiazole derivatives functionalized with two different (hetero)aromatic donor groups: Synthesis and evaluation as TiO <sub>2</sub> sensitizers for DSSCs. <i>Dyes and Pigments</i> , 2018, 151, 89-94.	2.0	16
1055	DFT/TD-semiempirical study on the structural and electronic properties and absorption spectra of supramolecular fullerene-porphyrine-metalloporphyrine triads based dye-sensitized solar cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 194, 57-66.	2.0	40
1056	New A-D-A type small molecules based on benzodithiophene derivative for organic solar cells. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 660, 66-71.	0.4	4
1057	All-Small-Molecule Organic Solar Cells Based on Pentathiophene Donor and Alkylated Indacenodithiophene-Based Acceptors with Efficiency over 8%. <i>ACS Applied Energy Materials</i> , 2018, 1, 2150-2156.	2.5	29
1058	A Hybrid Organogel of a Low Band Gap Diketopyrrolopyrrole with PC <sub>71</sub> BM: Phase Separated Morphology and Enhanced Photoconductivity. <i>ChemNanoMat</i> , 2018, 4, 831-836.	1.5	14
1059	Absence of Mixed Phase in Organic Photovoltaic Active Layers Facilitates Use of Green Solvent Processing. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11136-11144.	1.5	10
1060	Spacer-Extended Bis-Ene Compounds: Scope, Limitations, and Properties. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4600-4613.	1.2	1
1061	Hybrid Photovoltaic-Thermoelectric Generators: Materials Issues. <i>Springer Series in Materials Science</i> , 2018, , 103-116.	0.4	2
1062	Theoretical design of new small molecules with a low band-gap for organic solar cell applications: DFT and TD-DFT study. <i>Computational Materials Science</i> , 2018, 150, 54-61.	1.4	41
1063	High efficiency small molecule-based donor materials for organic solar cells. <i>Organic Electronics</i> , 2018, 58, 53-62.	1.4	65
1064	Thermally Stable All-Polymer Solar Cells with High Tolerance on Blend Ratios. <i>Advanced Energy Materials</i> , 2018, 8, 1800029.	10.2	163

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1065	Impact of helical organization on the photovoltaic properties of oligothiophene supramolecular polymers. <i>Chemical Science</i> , 2018, 9, 3638-3643.	3.7	27
1066	Achieving high capacity hybrid-cathode FeF <sub>3</sub> @Li <sub>2</sub> C <sub>6</sub> O <sub>6</sub> /rGO based on morphology control synthesis and interface engineering. <i>Chemical Communications</i> , 2018, 54, 3235-3238.	2.2	11
1067	Organic Electronics in a Nutshell. Springer Theses, 2018, , 1-11.	0.0	1
1068	Charge Carriers at Organic–Organic Interfaces. Springer Theses, 2018, , 67-92.	0.0	0
1069	4 <i>H</i> -1,2,6-Thiadiazine-containing donor–acceptor conjugated polymers: synthesis, optoelectronic characterization and their use in organic solar cells. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3658-3667.	2.7	10
1070	Theoretical and experimental studies of aryl-bithiophene based push-pull $\pi$ -conjugated heterocyclic systems bearing cyanoacetic or rhodanine-3-acetic acid acceptors for SHG nonlinear optical applications. <i>Dyes and Pigments</i> , 2018, 149, 566-573.	2.0	20
1071	Semi-perfluoroalkylated perylene diimides for conjugated polymers with high molecular weight and high electron mobility. <i>Journal of Polymer Science Part A</i> , 2018, 56, 116-124.	2.5	12
1072	Reluctant cocrystal growth of fullerenes with nickel dithiolene complexes. <i>Inorganica Chimica Acta</i> , 2018, 473, 1-8.	1.2	3
1073	Designing high performance all-small-molecule solar cells with non-fullerene acceptors: comprehensive studies on photoexcitation dynamics and charge separation kinetics. <i>Energy and Environmental Science</i> , 2018, 11, 211-220.	15.6	38
1074	Tunable Electron Donating and Accepting Properties Achieved by Modulating the Steric Hindrance of Side Chains in A-D-A Small-Molecule Photovoltaic Materials. <i>Chemistry of Materials</i> , 2018, 30, 619-628.	3.2	49
1075	One-pot heterocyclic ring closure of 1,1'-bi-2-naphthol to 7H-dibenzo[ <i>c,g</i> ]carbazole. <i>Tetrahedron Letters</i> , 2018, 59, 99-102.	0.7	4
1076	$\pi$ -Bridge modification of thiazole-bridged DPP polymers for high performance near-IR OSCs. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1664-1672.	1.3	13
1077	Modulation of the power conversion efficiency of organic solar cells <i>via</i> architectural variation of a promising non-fullerene acceptor. <i>Journal of Materials Chemistry A</i> , 2018, 6, 574-582.	5.2	13
1078	Diketopyrrolopyrrole-Based and Tetracyano-Bridged Small Molecules for Bulk Heterojunction Organic Solar Cells. <i>Chemistry - an Asian Journal</i> , 2018, 13, 220-229.	1.7	49
1079	Non-fullerene small molecule electron acceptors for high-performance organic solar cells. <i>Journal of Energy Chemistry</i> , 2018, 27, 990-1016.	7.1	12
1080	Phosphorescent molecular metal complexes in heterojunction solar cells. <i>Polyhedron</i> , 2018, 140, 84-98.	1.0	14
1081	High-performance organic solar cells based on a small molecule with thieno[3,2- <i>b</i> ]thiophene as $\pi$ -bridge. <i>Organic Electronics</i> , 2018, 53, 273-279.	1.4	30
1082	Exploring more effective polymer donors for the famous non-fullerene acceptor ITIC in organic solar cells by increasing electron-withdrawing ability. <i>Organic Electronics</i> , 2018, 53, 308-314.	1.4	27

#	ARTICLE	IF	CITATIONS
1083	Carbazole-based small molecule electron donors: Syntheses, characterization, and material properties. <i>Dyes and Pigments</i> , 2018, 150, 79-88.	2.0	9
1084	Recent Advances in Nonfullerene Acceptors for Organic Solar Cells. <i>Macromolecular Rapid Communications</i> , 2018, 39, 1700555.	2.0	51
1085	New D $\pi$ -A push-pull chromophores as low band gap molecular semiconductors for organic small molecule solar cell applications. <i>Organic Chemistry Frontiers</i> , 2018, 5, 777-787.	2.3	31
1086	Fluorination effects of A-D-A-type small molecules on physical property and the performance of organic solar cell. <i>Organic Electronics</i> , 2018, 52, 342-349.	1.4	18
1087	Naphthalene and perylene diimides – better alternatives to fullerenes for organic electronics?. <i>Chemical Communications</i> , 2018, 54, 13763-13772.	2.2	185
1088	Hole transporting materials for perovskite solar cells: a chemical approach. <i>Chemical Society Reviews</i> , 2018, 47, 8541-8571.	18.7	344
1089	A bicontinuous donor-acceptor hybrid heterostructure based on coordination and cation- $\pi$ interactions. <i>CrystEngComm</i> , 2018, 20, 7795-7801.	1.3	3
1090	Fundamental Gaps of Condensed-Phase Organic Semiconductors from Single-Molecule Calculations using Polarization-Consistent Optimally Tuned Screened Range-Separated Hybrid Functionals. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 6287-6294.	2.3	76
1091	High-Crystallinity $\pi$ -Conjugated Small Molecules Based on Thienylene-Vinylene-Thienylene: Critical Role of Self-Organization in Photovoltaic, Charge-Transport, and Morphological Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 42756-42765.	4.0	8
1092	Die [2+2]-Cycloadditions-Retroelektrocyclisierungs(CA $\pi$ RE)-Klick-Reaktion: ein einfacher Zugang zu molekularen und polymeren Push-pull-Chromophoren. <i>Angewandte Chemie</i> , 2018, 130, 3612-3638.	1.6	20
1093	Development of the fragment-based COHSEX method for large and complex molecular systems. <i>Physical Review B</i> , 2018, 98, .	1.1	11
1094	One Step Forward: A Novel $\pi$ -Step-Conjugated-Biphosphole. <i>CheM</i> , 2018, 4, 2485-2488.	5.8	0
1095	Bipodal dyes with bichromic triphenylamine architectures for use in dye-sensitized solar cell applications. <i>RSC Advances</i> , 2018, 8, 42424-42428.	1.7	12
1096	Enhancing the Light Harvesting Efficiency, Open Circuit Voltage And Stability of Molybdenum Doped (Zn) <sub>6</sub> Nanocluster in Dye-Sensitized Solar Cells: A DFT Study. <i>Oriental Journal of Chemistry</i> , 2018, 34, 2292-2304.	0.1	2
1097	Zn Phthalocyanine Derivatives for Solution-Processed Small Molecule Organic Solar Cells. <i>ChemistrySelect</i> , 2018, 3, 13692-13699.	0.7	7
1098	Highlighting the possibility of parallel mechanism in planar ternary photovoltaic cells. <i>AIP Advances</i> , 2018, 8, 115329.	0.6	4
1099	Synthesis and Characterization of Thiophene-Encapped 3,7-Diphenyl Dipyrrolo[2,3-b:2',3'-d]pyrazine-2,6(1 <i>H</i> ,5 <i>H</i> )-diones as Non-Fullerene Acceptor Materials for Organic Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2105-2112.		
1100	Effects of different types of unsymmetrical squaraines on the material properties and Coulomb interactions in organic photovoltaic devices. <i>Materials Chemistry Frontiers</i> , 2018, 2, 2116-2123.	3.2	4

#	ARTICLE	IF	CITATIONS
1101	Structurally induced large changes of the energy level alignment in CuPc on $\text{Cu}$ $\text{O}$ . Physical Review B, 2018, 98, .	11.0	11
1102	Solution Processed Organic Solar Cells on Textiles. IEEE Journal of Photovoltaics, 2018, 8, 1710-1715.	1.5	26
1103	High-Performance All-Small-Molecule Solar Cells Based on a New Type of Small Molecule Acceptors with Chlorinated End Groups. Advanced Energy Materials, 2018, 8, 1802021.	10.2	76
1104	A comparative analysis of symmetric diketopyrrolopyrrole-cored small conjugated molecules with aromatic flanks: From geometry to charge transport. Journal of Computational Chemistry, 2018, 39, 2526-2538.	1.5	7
1105	Push-Pull $\text{N}$ -Diphenylhydrazones Bearing Bithiophene or Thienothiophene Spacers as Nonlinear Optical Second Harmonic Generators and as Photosensitizers for Nanocrystalline $\text{TiO}_2$ Dye-Sensitized Solar Cells. ACS Omega, 2018, 3, 12893-12904.	1.6	25
1106	Impact of ZnO Photoluminescence on Organic Photovoltaic Performance. ACS Applied Materials & Interfaces, 2018, 10, 39962-39969.	4.0	30
1107	Conjugated Organic-Inorganic Hybrid Photoanodes: Revealing the Photochemical Behavior through In Situ X-Ray Absorption Spectroscopy. Chemistry - A European Journal, 2018, 24, 18419-18423.	1.7	1
1108	D-Structured Diketopyrrolopyrrole-Based Electron Donors for Solution-Processed Organic Solar Cells. ACS Omega, 2018, 3, 13365-13373.	1.6	19
1109	Enhanced nonlinear optical properties due to electronic delocalization in conjugated benzodifuran derivatives. Optical and Quantum Electronics, 2018, 50, 1.	1.5	23
1110	Unravelling the Self-Assembly of Diketopyrrolopyrrole-Based Photovoltaic Molecules. Langmuir, 2018, 34, 11952-11959.	1.6	5
1111	Noncovalent conformational locks in organic semiconductors. Science China Chemistry, 2018, 61, 1359-1367.	4.2	60
1112	Understanding Structure-Property Relationships in All-Small-Molecule Solar Cells Incorporating a Fullerene or Nonfullerene Acceptor. ACS Applied Materials & Interfaces, 2018, 10, 36037-36046.	4.0	21
1113	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> . Journal of Physical Chemistry B, 2018, 122, 9191-9201.	1.2	8
1114	Benzodithiophene-Dithienylbenzothiadiazole Copolymers for Efficient Polymer Solar Cells: Side-Chain Effect on Photovoltaic Performance. ACS Applied Materials & Interfaces, 2018, 10, 34355-34362.	4.0	10
1115	Performance, Morphology, and Charge Recombination Correlations in Ternary Squaraine Solar Cells. Chemistry of Materials, 2018, 30, 6810-6820.	3.2	22
1116	Functionalization of [60]fullerene through fullerene cation intermediates. Chemical Communications, 2018, 54, 11244-11259.	2.2	62
1117	Molecular modeling of low bandgap diblock co-oligomers with $\text{I}$ -bridges for applications in photovoltaics. Computational Materials Science, 2018, 152, 12-19.	1.4	7
1118	Synthesis of 6,6-Bis(4-ethynylbenzoyl)- $\text{I}$ -Trehaloses and Their Utilization as Fluorescent Probes for Cellular Imaging. European Journal of Organic Chemistry, 2018, 2018, 3444-3453.	1.2	1

#	ARTICLE	IF	CITATIONS
1119	Modeling of Actual-Size Organic Electronic Devices from Efficient Molecular-Scale Simulations. <i>Advanced Functional Materials</i> , 2018, 28, 1801460.	7.8	8
1120	D- and D-Typed Hole Transport Materials for Efficient Perovskite Solar Cells: Tuning Photovoltaic Properties via the Acceptor Group. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 19697-19703.	4.0	101
1121	Review on flexible photonics/electronics integrated devices and fabrication strategy. <i>Science China Information Sciences</i> , 2018, 61, 1.	2.7	72
1122	Noncontact AFM and differential reflectance spectroscopy joint analyses of bis-pyrenyl thin films on bulk insulators: Relationship between structural and optical properties. <i>Physical Review B</i> , 2018, 97, .	1.1	3
1123	Experimental and computational investigations of the photosensitive Schottky barrier diode property of an azobenzene based small organic molecule. <i>New Journal of Chemistry</i> , 2018, 42, 13430-13441.	1.4	8
1124	Investigation of S-shaped current-voltage characteristics in high-performance solution-processed small molecule bulk heterojunction solar cells. <i>Organic Electronics</i> , 2018, 62, 133-141.	1.4	7
1125	Recent progress in porphyrin-based materials for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16769-16797.	5.2	215
1126	New $\pi$ -Extended Naphthalene Diimides for High-Performance n-Type Organic Semiconductors with NIR Absorption Properties. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2279-2284.	1.3	10
1127	Synthesis of Nanoparticles. , 2018, , 392-429.		15
1128	Optical and electrical properties of nanostructured N,N'-diphenyl-N,N'-di-p-tolylbenzene-1,4-diamine organic thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	15
1129	Walking the Emission Tightrope: Spectral and Computational Analysis of Some Dual-Emitting Benzothiadiazole Donor-Acceptor Dyes. <i>Journal of Physical Chemistry A</i> , 2018, 122, 7991-8006.	1.1	14
1130	From Linear to T-shaped Indan-1,3-dione Push-Pull Molecules: A Comparative Study. <i>Helvetica Chimica Acta</i> , 2018, 101, e201800090.	1.0	7
1131	In Situ Measurement of Exciton Dynamics During Thin-Film Formation Using Single-Shot Transient Absorption. <i>Journal of Physical Chemistry A</i> , 2018, 122, 6438-6444.	1.1	11
1132	Synthesis of tetracyanoethylene-substituted ferrocene and its device properties. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4512.	1.7	12
1133	Interconnecting semiconducting molecules with non-conjugated soft linkers: a way to improve film formation quality without sacrifice in charge mobility. <i>RSC Advances</i> , 2018, 8, 23546-23554.	1.7	4
1134	Transition-Metal-Free Efficient Synthesis of Bisindole Sulfanes Using 2-(Fluorosulfonyl)difluoroacetic Acid. <i>Synlett</i> , 2018, 29, 1847-1850.	1.0	2
1135	Low Energy Gap Triphenylamine-Heteropentacene-Dicyanovinyl Triad for Solution-Processed Bulk-Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11262-11269.	1.5	8
1136	BODIPY dyads and triads: synthesis, optical, electrochemical and transistor properties. <i>Chemistry Central Journal</i> , 2018, 12, 60.	2.6	12

#	ARTICLE	IF	CITATIONS
1137	Small molecule semiconductors for organic photovoltaics: a truncation approach. <i>Synthetic Metals</i> , 2018, 245, 10-17.	2.1	1
1138	Rationalizing Small Molecule Donor Design toward High Performance Organic Solar Cells: Perspective from Molecular Architectures. <i>Advanced Theory and Simulations</i> , 2018, 1, 1800091.	1.3	29
1139	Thioethyl Porphyrazine/Nanocarbon Hybrids for Photoinduced Electron Transfer. <i>Advanced Functional Materials</i> , 2018, 28, 1705418.	7.8	22
1140	Supramolecular Organic Photocatalyst Containing a Cubanelike Water Cluster and Donor-Acceptor Stacks: Hydrogen Evolution and Dye Degradation under Visible Light. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 29417-29424.	4.0	23
1141	Rise of Conjugated Poly-ynes and Poly(Metalla-ynes): From Design Through Synthesis to Structure-Property Relationships and Applications. <i>Chemical Reviews</i> , 2018, 118, 8474-8597.	23.0	138
1142	Non-ionic surfactant-novel agents to realize high efficiency non-fullerene opaque and semitransparent organic solar cells with Enhanced Stability. <i>Organic Electronics</i> , 2018, 62, 195-202.	1.4	5
1143	Branched 2-Ethylhexyl Substituted Indacenodithieno[3,2-b]Thiophene Core Enabling Wide Bandgap Small Molecule for Fullerene-Based Organic Solar Cells with 9.15% Efficiency: Effect of Length and Position of Fused Polycyclic Aromatic Units. <i>Solar Rrl</i> , 2018, 2, 1800108.	3.1	8
1144	Visible light driven water splitting through an innovative Cu-treated $\text{MnO}_2$ nanostructure: probing enhanced activity and mechanistic insights. <i>Nanoscale</i> , 2018, 10, 13250-13260.	2.8	29
1145	Improved photovoltaic performance of 2,7-pyrene based small molecules via the use of 3-carbazole as terminal unit. <i>Tetrahedron</i> , 2018, 74, 3989-3995.	1.0	7
1146	Thieno[3,2-b]indole (TI) bridged A-D-A small molecules: Synthesis, characterizations and organic solar cell applications. <i>Dyes and Pigments</i> , 2019, 160, 16-24.	2.0	16
1147	Hydrogen-bonded diketopyrrolopyrrole derivatives for energy-related applications. <i>Journal of Materials Chemistry A</i> , 2019, 7, 23451-23475.	5.2	32
1148	Stability of push-pull small molecule donors for organic photovoltaics: spectroscopic degradation of acceptor endcaps on benzo[1,2-b:4,5-b']dithiophene cores. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19984-19995.	5.2	4
1149	Tetrahydroxy Perylene Bisimide Embedded in a Zinc Oxide Thin Film as an Electron Transporting Layer for High Performance Non-Fullerene Organic Solar Cells. <i>Angewandte Chemie</i> , 2019, 131, 13185-13189.	1.6	23
1150	Perylene derivatives for solar cells and energy harvesting: a review of materials, challenges and advances. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15803-15824.	1.1	35
1152	Inverted organic solar cells with non-clustering bathocuproine (BCP) cathode interlayers obtained by fullerene doping. <i>Scientific Reports</i> , 2019, 9, 10422.	1.6	15
1153	Integration of Fullerenes as Electron Acceptors in 3D Graphene Networks: Enhanced Charge Transfer and Stability through Molecular Design. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28818-28822.	4.0	12
1154	Large-area single-crystal organic patterned thin films by vertically confined lateral crystal growth via capillary force lithography. <i>Applied Surface Science</i> , 2019, 494, 1023-1029.	3.1	9
1155	Trioxotriangulene with carbazole: a donor-acceptor molecule showing strong near-infrared absorption exceeding 1000 nm. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3107-3115.	2.3	8



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1156	Improving optoelectronic and charge transport properties of Dâ€‘Aâ€‘D type diketopyrrolopyrrole-pyrene derivatives as multifunctional materials for organic solar cell applications. <i>RSC Advances</i> , 2019, 9, 22597-22603.	1.7	9
1157	Tetrahydroxyâ€‘Perylene Bisimide Embedded in a Zinc Oxide Thin Film as an Electronâ€‘Transporting Layer for Highâ€‘Performance Nonâ€‘Fullerene Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13051-13055.	7.2	54
1158	Shortcuts for Electronâ€‘Transfer through the Secondary Structure of Helical Oligoâ€‘1,2â€‘Naphthylenes. <i>Chemistry - A European Journal</i> , 2019, 25, 16748-16754.	1.7	7
1159	Convolutional Neural Networks for the Design and Analysis of Non-Fullerene Acceptors. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 4993-5001.	2.5	29
1160	Strong Near-Infrared Solid Emission and Enhanced N-Type Mobility for Poly(naphthalene Diimide) Vinylene by a Random Polymerization Strategy. <i>Macromolecules</i> , 2019, 52, 8332-8338.	2.2	8
1161	Aggregation-Induced Fluorescence of Carbazole and o-Carborane Based Organic Fluorophore. <i>Frontiers in Chemistry</i> , 2019, 7, 768.	1.8	13
1162	Photoactive organic material discovery with combinatorial supramolecular assembly. <i>Nanoscale Advances</i> , 2019, 1, 3858-3869.	2.2	10
1163	Synthesis, photophysical and electrochemical properties of a new star-shaped molecule with a 1,3,5-triethynylbenzene core and diketopyrrolopyrrole arms. <i>RSC Advances</i> , 2019, 9, 28357-28363.	1.7	1
1164	Nickel-Catalyzed Câ€‘N Cross-Coupling of Ammonia, (Hetero)anilines, and Indoles with Activated (Hetero)aryl Chlorides Enabled by Ligand Design. <i>ACS Catalysis</i> , 2019, 9, 9292-9297.	5.5	50
1165	Highly Selective and Scalable Fullerene-Cation-Mediated Synthesis Accessing Cyclo[60]fullerenes with Five-Membered Carbon Ring and Their Application to Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2019, 31, 8432-8439.	3.2	44
1166	Designing difluoro substituted benzene ring based fullerene free acceptors for small Naphthalene Di-Imide based molecules with DFT approaches. <i>Optical and Quantum Electronics</i> , 2019, 51, 1.	1.5	12
1167	An efficient multi-functional material based on polyether-substituted indolocarbazole for perovskite solar cells and solution-processed non-doped OLEDs. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1539-1547.	5.2	49
1168	Combination of noncovalent conformational locks and side chain engineering to tune the crystallinity of nonfullerene acceptors for high-performance P3HT based organic solar cells. <i>Materials Chemistry Frontiers</i> , 2019, 3, 64-69.	3.2	24
1169	Di- and tetramethoxy benzothienobenzothiophenes: substitution position effects on the intermolecular interactions, crystal packing and transistor properties. <i>New Journal of Chemistry</i> , 2019, 43, 884-892.	1.4	15
1170	Star-shaped magnesium tetraethynylporphyrin bearing four peripheral electron-accepting diketopyrrolopyrrole functionalities for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4072-4083.	5.2	24
1171	Highly emissive fluorene and thiophene based Î€-conjugated A-alt-B copolymers: Synthesis, characterization and electroluminescence properties. <i>Journal of Luminescence</i> , 2019, 208, 509-518.	1.5	8
1172	Amino-acid ester derived perylene diimides electron acceptor materials: An efficient strategy for green-solvent-processed organic solar cells. <i>Dyes and Pigments</i> , 2019, 164, 384-389.	2.0	23
1173	Assembly of T-Shaped Amphiphilic Thiazoles on the Airâ€‘Water Interface: Impact of Polar Chromophore Moieties, as Well as Dipolarity and Î€-Extension of the Chromophore on the Supramolecular Structure. <i>Langmuir</i> , 2019, 35, 2587-2600.	1.6	11

#	ARTICLE	IF	CITATIONS
1174	Influence of Donor-Substituents on Triphenylamine Chromophores Bearing Pyridine Fragments. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1921-1930.	1.2	5
1175	PCBM nanoparticles as visible-light-driven photocatalysts for photocatalytic decomposition of organic dyes. <i>MRS Communications</i> , 2019, 9, 321-326.	0.8	5
1176	Zwitterions for Organic/Perovskite Solar Cells, Light-Emitting Devices, and Lithium Ion Batteries: Recent Progress and Perspectives. <i>Advanced Energy Materials</i> , 2019, 9, 1803354.	10.2	68
1177	Arylic versus Alkyl-Hydrophobic Linkers Determine the Supramolecular Structure and Optoelectronic Properties of Tripodal Amphiphilic Push-Pull Thiazoles. <i>Langmuir</i> , 2019, 35, 2561-2570.	1.6	17
1178	Theoretical study of synergetic effect between halogenation and pyrazine substitutions on transport properties of silylethynylated pentacene. <i>New Journal of Chemistry</i> , 2019, 43, 3583-3600.	1.4	7
1179	Cathode interlayer-free organic solar cells with enhanced device performance upon alcohol treatment. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7947-7952.	2.7	17
1180	Analyzing the Electronic Coupling in Molecular Crystals-The Instructive Case of Quinacridone. <i>Advanced Theory and Simulations</i> , 2019, 2, 1800204.	1.3	10
1181	Acene-Modified Small-Molecule Donors for Organic Photovoltaics. <i>Chemistry - A European Journal</i> , 2019, 25, 12316-12324.	1.7	5
1182	Open circuit voltage of organic photovoltaic cells using C <sub>60</sub> as acceptor: variation with the donor. <i>EPJ Applied Physics</i> , 2019, 86, 20201.	0.3	9
1183	Improvement of the optoelectronic and photovoltaic properties of a cyanopyrid-2,6-dione-based donor via molecular engineering. <i>Dyes and Pigments</i> , 2019, 170, 107661.	2.0	3
1184	Synthesis of A and D Pyrimidine-Systems Using Triorganoindium Reagents: Optical, Vibrational, and Electrochemical Studies. <i>Journal of Organic Chemistry</i> , 2019, 84, 8870-8885.	1.7	16
1185	Supramolecular Organization and Photovoltaic Properties of Barbiturated Oligothiophenes. <i>Chemistry Letters</i> , 2019, 48, 1009-1018.	0.7	5
1186	Annealing Behavior with Thickness Hindered Nucleation in Small-Molecule Organic Semiconductor Thin Films. <i>Crystal Growth and Design</i> , 2019, 19, 3777-3784.	1.4	2
1187	Effect of Imbalanced Charge Transport on the Interplay of Surface and Bulk Recombination in Organic Solar Cells. <i>Physical Review Applied</i> , 2019, 11, .	1.5	19
1188	Phthalimide-Based Transparent Electron-Transport Materials with Oriented Amorphous Structures: Preparation from Solution-Processed Precursor Films. <i>ChemPlusChem</i> , 2019, 84, 1396-1404.	1.3	10
1189	Medium-Bandgap (Acceptor-Donor)2Acceptor-Type Small-Molecule Donors Based on an Asymmetric Thieno[3,2-c]isochromene Building Block for Organic Solar Cells with High Efficiency and Voltage. <i>ACS Applied Energy Materials</i> , 2019, 2, 4730-4736.	2.5	11
1190	Pyrrrolopyrrole Aza-BODIPY Analogues as Near-Infrared Chromophores and Fluorophores: Red-Shift Effects of Substituents on Absorption and Emission Spectra. <i>ChemPlusChem</i> , 2019, 84, 1648-1652.	1.3	18
1191	Effect of H- and J-Aggregation on the Photophysical and Voltage Loss of Boron Dipyrromethene Small Molecules in Vacuum-Deposited Organic Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2684-2691.	2.1	32

#	ARTICLE	IF	CITATIONS
1192	The role of initial and final states in molecular spectroscopies. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12730-12747.	1.3	14
1193	A DFT Study of the Modulation of the Antiaromatic and Open-Shell Character of Dibenzo[ <i>a,f</i> ]pentalene by Employing Three Strategies: Additional Benzoannulation, BN/CC Isosterism, and Substitution. <i>Chemistry - A European Journal</i> , 2019, 25, 9747-9757.	1.7	19
1194	Directing Solution-Phase Nucleation To Form Organic Semiconductor Vertical Crystal Arrays. <i>Crystal Growth and Design</i> , 2019, 19, 3461-3468.	1.4	20
1195	Electrosynthesis of N-Methylisatin. <i>Journal of Organic Chemistry</i> , 2019, 84, 6879-6885.	1.7	1
1196	Effects of substituents on the enrichment of the optical limiting action of novel imidazo[2,1- <i>b</i> ][1,3,4]thiadiazole fused thiophene-based small molecules. <i>New Journal of Chemistry</i> , 2019, 43, 9232-9242.	1.4	13
1197	PET-RAFT Polymerization Catalyzed by Small Organic Molecule under Green Light Irradiation. <i>Polymers</i> , 2019, 11, 892.	2.0	6
1198	Toward Design of Novel Materials for Organic Electronics. <i>Advanced Materials</i> , 2019, 31, e1808256.	11.1	101
1199	Synthesis, characterization and application of meso-substituted fluorinated boron dipyrromethenes (BODIPYs) with different styryl groups in organic photovoltaic cells. <i>Dyes and Pigments</i> , 2019, 168, 103-110.	2.0	21
1200	Effect of the linkages on the self-assembly and photophysical properties of 4,7-diphenyl-2,1,3-benzothiadiazole-based luminescent polycatenars. <i>Journal of Molecular Liquids</i> , 2019, 286, 110844.	2.3	17
1201	Charge transport and transfer phenomena involving conjugated acenes and heteroacenes. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	0.8	3
1202	Impact of the dielectric constant on the first hyperpolarizabilities and the Singlet-Triplet gap in T- and V-Shaped donor-acceptor-donor molecules. <i>Organic Electronics</i> , 2019, 70, 193-204.	1.4	12
1203	Hole mobility in thieno[3,2- <i>b</i> ]thiophene oligomers. <i>Mendeleev Communications</i> , 2019, 29, 218-219.	0.6	23
1204	New A-Configured Small-Molecule Donors for High-Efficiency Vacuum-Processed Organic Photovoltaics under Ambient Light. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 8337-8349.	4.0	50
1205	Oligoprolines guide the self-assembly of quaterthiophenes. <i>Chemical Science</i> , 2019, 10, 5391-5396.	3.7	14
1206	Anomalous pressure dependence of the electronic properties of molecular crystals explained by changes in intermolecular electronic coupling. <i>Synthetic Metals</i> , 2019, 253, 9-19.	2.1	4
1207	Decoding Proton-Coupled Electron Transfer with Potential-K Diagrams: Applications to Catalysis. <i>Inorganic Chemistry</i> , 2019, 58, 6647-6658.	1.9	20
1208	Pathways for sustainable energy transition. <i>Journal of Cleaner Production</i> , 2019, 228, 1564-1571.	4.6	106
1209	The effects of electronic and structural properties of two small molecules on their photovoltaic performances. <i>Chemical Physics Letters</i> , 2019, 728, 37-43.	1.2	5

#	ARTICLE	IF	CITATIONS
1210	Optoelectronic Properties of AaëCaëDäëCaëA Thiopheneâ€BBased Materials with a Dithienosilole Core: An Experimental and Theoretical Study. ChemPlusChem, 2019, 84, 1314-1323.	1.3	7
1211	Boosting inverted perovskite solar cell performance by using 9,9-bis(4-diphenylaminophenyl)fluorene functionalized with triphenylamine as a dopant-free hole transporting material. Journal of Materials Chemistry A, 2019, 7, 12507-12517.	5.2	62
1212	Photoinduced Charge Transfer in Single-Molecule <i>pâ€n</i> Junctions. Journal of Physical Chemistry Letters, 2019, 10, 2175-2181.	2.1	9
1213	The utility of the template effect in metal-organic frameworks. Coordination Chemistry Reviews, 2019, 391, 44-68.	9.5	74
1214	Understanding the Electronic Properties of Acceptorâ€Acceptorâ€Acceptor Triads. ACS Omega, 2019, 4, 5434-5441.	1.6	12
1215	Zinc Phthalocyanineâ€Phosphonic Acid Monolayers on ITO: Influence of Molecular Orientation, Aggregation, and Tunneling Distance on Charge-Transfer Kinetics. Journal of Physical Chemistry C, 2019, 123, 6970-6980.	1.5	7
1216	Design strategies for twoâ€dimensional material photodetectors to enhance device performance. InformaÃnÃ-MateriÃly, 2019, 1, 33-53.	8.5	158
1217	Surface Self-Assembly, Film Morphology, and Charge Transport Properties of Semiconducting Triazoloarenes. Langmuir, 2019, 35, 6304-6311.	1.6	6
1218	Fluorous Fullerene Acceptors in Vacuumâ€Deposited Photovoltaic Cells. Solar Rrl, 2019, 3, 1900070.	3.1	4
1219	Toward Ultrahigh Sensitivity and UVâ€Visâ€NIR Broadband Response of Organolead Halide Perovskite/Tinâ€Phthalocyanine Heterostructured Photodetectors. Journal of Physical Chemistry C, 2019, 123, 11073-11080.	1.5	18
1220	Synthesis, photophysical and electrochemical properties of naphthaldimine based boron complexes. Journal of Organometallic Chemistry, 2019, 891, 20-27.	0.8	8
1221	Solution Processing Dependent Bulk Heterojunction Nanomorphology of P3HT/PCBM Thin Films. ACS Applied Materials & Interfaces, 2019, 11, 17056-17067.	4.0	25
1222	Bis[di(4-methoxyphenyl)amino]carbazole-capped indacenodithiophenes as hole transport materials for highly efficient perovskite solar cells: the pronounced positioning effect of a donor group on the cell performance. Journal of Materials Chemistry A, 2019, 7, 10200-10205.	5.2	30
1223	Stimuli directed alignment of self-organized one-dimensional semiconducting columnar liquid crystal nanostructures for organic electronics. Progress in Materials Science, 2019, 104, 1-52.	16.0	61
1224	Fine-tuning the optoelectronic chattels of fluoreno-thiophene centred molecular semiconductors through symmetric and asymmetric pushâ€pull switch. New Journal of Chemistry, 2019, 43, 7015-7027.	1.4	22
1225	A versatile star-shaped organic semiconductor based on benzodithiophene and diketopyrrolopyrrole. Journal of Materials Chemistry C, 2019, 7, 6622-6629.	2.7	16
1226	Designation and Match of Nonâ€Fullerene Acceptors with Xâ€Shaped Donors toward Organic Solar Cells. ChemistrySelect, 2019, 4, 3654-3664.	0.7	10
1227	A new donor-acceptor crosslinkable l-shape chromophore for NLO applications. Journal of Molecular Structure, 2019, 1189, 21-27.	1.8	13

#	ARTICLE	IF	CITATIONS
1228	Over 12% Efficiency Nonfullerene All-Small-Molecule Organic Solar Cells with Sequentially Evolved Multilength Scale Morphologies. <i>Advanced Materials</i> , 2019, 31, e1807842.	11.1	272
1229	New alternating thiophene-benzothiadiazole electron donor material for small-molecule organic solar cells and field-effect transistors. <i>Synthetic Metals</i> , 2019, 250, 7-11.	2.1	17
1230	Molecular Topology and the Surface Chemical Bond: Alternant Versus Nonalternant Aromatic Systems as Functional Structural Elements. <i>Physical Review X</i> , 2019, 9, .	2.8	14
1231	Design and engineering heterojunctions for the photoelectrochemical monitoring of environmental pollutants: A review. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 405-422.	10.8	141
1232	Synthesis and characterization of new asymmetric thieno[3,4-b]pyrazine-based D-A type small molecular donors with near-infrared absorption and their photovoltaic applications. <i>Organic Electronics</i> , 2019, 68, 159-167.	1.4	11
1233	Cyclopentadienyl-based dopant-free hole-transport material for organic-inorganic hybrid and all-inorganic perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5221-5226.	5.2	88
1234	Titanylphthalocyanine Films on Ag(111): An Epitaxial Metal/Organic Heterosystem with an Exceptional Smooth Surface. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6097-6106.	1.5	8
1235	Synthesis of heterobiaryls via Suzuki-Miyaura coupling reaction of potassium aryltrifluoroborates with heteroaryl halides in aqueous systems. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4831.	1.7	2
1236	Preparation and Characterization of a Conjugated Donor-Acceptor System Containing the Strongly Electron-Accepting Tetraphenylborolyl Unit. <i>Chemistry - A European Journal</i> , 2019, 25, 4707-4712.	1.7	23
1237	Synthesis and characterization of new D-A and A-D type oligothiophene derivatives. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3018-3025.	1.5	16
1238	Spectrally-selective Photovoltaics via Photonic Band Engineering in Absorbing Media. , 2019, , .		0
1239	Butterfly architecture of NIR Aza-BODIPY small molecules decorated with phenothiazine or phenoxazine. <i>Chemical Communications</i> , 2019, 55, 12535-12538.	2.2	22
1240	A 9,9-bifluorenylidene derivative containing four 1,1-dicyanomethylene-3-indanone end-capped groups as an electron acceptor for organic photovoltaic cells. <i>New Journal of Chemistry</i> , 2019, 43, 18110-18119.	1.4	4
1241	A newly designed isoindigo/thiophene medium-sized molecule containing a D (D-A-D) bridge with unexpected organic photovoltaic performance. <i>New Journal of Chemistry</i> , 2019, 43, 18126-18133.	1.4	9
1242	Molecular engineering of organic semiconductors enables noble metal-comparable SERS enhancement and sensitivity. <i>Nature Communications</i> , 2019, 10, 5502.	5.8	84
1243	A DFT study on functionalization of acrolein on Ni-doped (ZnO) <sub>6</sub> nanocluster in dye-sensitized solar cells. <i>Heliyon</i> , 2019, 5, e02903.	1.4	33
1244	Defining side chain successions in anthracene-based poly(arylene ethynylene)-alt-poly(phenylene) Tj ETQqO O O rgBTJ /Overlock 10 Tf 50	1.9	2
1245	Concise synthesis of 3-alkylthieno[3,2-b]thiophenes; building blocks for organic electronic and optoelectronic materials. <i>RSC Advances</i> , 2019, 9, 38407-38413.	1.7	13

#	ARTICLE	IF	CITATIONS
1246	Recent progress in covalent organic framework thin films: fabrications, applications and perspectives. <i>Chemical Society Reviews</i> , 2019, 48, 488-516.	18.7	564
1247	Modeling the Influence of Correlated Molecular Disorder on the Dynamics of Excitons in Organic Molecular Semiconductors. <i>Journal of Physical Chemistry C</i> , 2019, 123, 306-314.	1.5	11
1248	Modulation of Electron-Donating Ability in D-A Small Molecules for Application in Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2019, 123, 1069-1081.	1.5	16
1249	Single-Crystal Poly[4-(4,4-dihexadecyl-4H-cyclopenta[1,2-b:5,4-b <sup>2</sup> ]dithiophen-2-yl)-[1,2,5]thiadiazolo[3,4-c]pyridine] Nanowires with Ultrahigh Mobility. <i>Nano Letters</i> , 2019, 19, 1028-1032.		34
1250	Fullerene-Free Molecular Acceptors for Organic Photovoltaics. <i>Energy, Environment, and Sustainability</i> , 2019, , 221-279.	0.6	2
1251	Smart photoactive soft materials for environmental cleaning and energy production through incorporation of nanophotocatalyst on polymers and textiles. <i>Polymers for Advanced Technologies</i> , 2019, 30, 235-253.	1.6	17
1252	Solution-Processed Metal Oxide Nanocrystals as Carrier Transport Layers in Organic and Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1804660.	7.8	105
1253	A new 2D-naphtho[1,2-b:5,6-b <sup>2</sup> ]dithiophene based donor small molecules for bulk-heterojunction organic solar cells. <i>Dyes and Pigments</i> , 2019, 163, 30-39.	2.0	9
1254	Azaindolo[3,2,1-k <i>l</i> ]carbazoles: New Building Blocks for Functional Organic Materials. <i>Chemistry - A European Journal</i> , 2019, 25, 4412-4425.	1.7	14
1255	Organic materials for optoelectronic applications: Overview. , 2019, , 3-42.		6
1256	New indolo carbazole-based non-fullerene n-type semiconductors for organic solar cell applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 543-552.	2.7	26
1257	Reducing aggregation caused quenching effect through co-assembly of PAH chromophores and molecular barriers. <i>Nature Communications</i> , 2019, 10, 169.	5.8	303
1258	Amelioration of opto-electronic response of thiophene - Imidazo[2,1-b][1,3,4]thiadiazole based organic semiconductors. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
1259	Molecular Orientation Change in Naphthalene Diimide Thin Films Induced by Removal of Thermally Cleavable Substituents. <i>Chemistry of Materials</i> , 2019, 31, 1729-1737.	3.2	40
1260	Torsional Impacts on Quaterthiophene Segments Confined within Peptidic Nanostructures. <i>Langmuir</i> , 2019, 35, 2270-2282.	1.6	10
1261	Direct connection of an amine to oligothiophene to generate push-pull chromophores for organic photovoltaic applications. <i>Dyes and Pigments</i> , 2019, 162, 315-323.	2.0	3
1262	T-shaped D <sup>+</sup> A <sup>-</sup> (A <sup>-</sup> ) <sub>2</sub> chromophores with two auxiliary electron acceptors. <i>Dyes and Pigments</i> , 2019, 162, 755-762.	2.0	14
1263	Synthesis of organic molecule donor for efficient organic solar cells with low acceptor content. <i>Organic Electronics</i> , 2019, 64, 54-61.	1.4	8

#	ARTICLE	IF	CITATIONS
1264	Macroscale Biomolecular Electronics and Ionics. <i>Advanced Materials</i> , 2019, 31, e1802221.	11.1	80
1265	Theoretical characterisation and design of "A star-shaped molecules with triphenylamine as core and diketopyrrolopyrroles as arms for organic solar cells. <i>Molecular Physics</i> , 2019, 117, 1825-1832.	0.8	4
1266	Thermally Induced Fullerene Domain Coarsening Process in Organic Solar Cells. <i>IEEE Transactions on Electron Devices</i> , 2019, 66, 678-688.	1.6	16
1267	2-thioxo-3N-(2-methoxyphenyl)-5-[4-methyl-3N-(2-methoxyphenyl)thiazol-2(3H)-ylidene]thiazolidin-4-one: Synthesis, characterization, X-ray single crystal structure investigation and quantum chemical calculations. <i>Journal of Molecular Structure</i> , 2019, 1177, 186-192.	1.8	18
1268	The Dawn of Single Material Organic Solar Cells. <i>Advanced Science</i> , 2019, 6, 1801026.	5.6	119
1269	Tetra-phthalimide end-fused bifluorenylidene: Synthesis and characterization. <i>Chinese Chemical Letters</i> , 2019, 30, 259-262.	4.8	3
1270	Polycyclic aromatic hydrocarbon-bridged coumarin derivatives for organic light-emitting devices. <i>Arabian Journal of Chemistry</i> , 2020, 13, 4126-4133.	2.3	4
1271	Dopant-free benzothiadiazole bridged hole transport materials for highly stable and efficient perovskite solar cells. <i>Dyes and Pigments</i> , 2020, 173, 107954.	2.0	19
1272	Synthesis and photophysical properties of isocoumarin-based D-A systems. <i>Dyes and Pigments</i> , 2020, 173, 107917.	2.0	18
1273	Device characteristics and material developments of indoor photovoltaic devices. <i>Materials Science and Engineering Reports</i> , 2020, 139, 100517.	14.8	108
1274	Asymmetric push-pull small molecules with auxiliary electron-accepting unit for bulk heterojunction organic solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 386, 112139.	2.0	4
1275	Novel swivel-cruciform 5,5-bibenzothiadiazole based small molecule donors for efficient organic solar cells. <i>Organic Electronics</i> , 2020, 77, 105521.	1.4	3
1276	Preparation and luminescence properties of isoquinoline-nucleated polycyclic aromatics. <i>Dyes and Pigments</i> , 2020, 172, 107803.	2.0	5
1277	Understanding the Photovoltaic Behavior of "A Molecular Semiconductors through a Permutation of End Groups. <i>Journal of Organic Chemistry</i> , 2020, 85, 52-61.	1.7	15
1278	Fluorination of pyrene-based organic semiconductors enhances the performance of light emitting diodes and halide perovskite solar cells. <i>Organic Electronics</i> , 2020, 77, 105524.	1.4	10
1279	Palladium-Catalyzed [3+2] Annulation of Naphthalimide Acceptors and Thiophene Donors. <i>Journal of Organic Chemistry</i> , 2020, 85, 142-149.	1.7	8
1280	The effect of encapsulation of lithium atom on supramolecular triad complexes performance in solar cell by using theoretical approach. <i>Adsorption</i> , 2020, 26, 471-489.	1.4	11
1281	Tuning of optoelectronic and charge transport properties of "A diketopyrrolopyrrole-triphenylamine derivatives for organic solar cells application. <i>Optik</i> , 2020, 208, 164085.	1.4	6

#	ARTICLE	IF	CITATIONS
1282	Thienopyrrolo[3,2,1- <i>jk</i> ]carbazoles: Building Blocks for Functional Organic Materials. <i>Journal of Organic Chemistry</i> , 2020, 85, 3865-3871.	1.7	12
1283	Photoinduced Betaine Generation for Efficient Photothermal Energy Conversion. <i>Chemistry - A European Journal</i> , 2020, 26, 2060-2066.	1.7	2
1284	Two birds one stone: Facile preparation of AIE-active fluorescent polymeric nanoparticles via self-catalyzed photo-mediated polymerization. <i>Applied Surface Science</i> , 2020, 508, 144799.	3.1	12
1285	Impact of self-assembly on the photovoltaic properties of a small molecule oligothiophene donor. <i>Solar Energy</i> , 2020, 195, 223-229.	2.9	7
1286	A theoretical study on electronic spectra of a novel series of metal substituted boron subphthalocyanine chloride. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 118018.	2.0	7
1287	Investigation of process-structure-property relationship in ternary organic photovoltaics. <i>Journal of Applied Physics</i> , 2020, 128, 145501.	1.1	6
1288	Material perceptions and advances in molecular heteroacenes for organic solar cells. <i>Energy and Environmental Science</i> , 2020, 13, 4738-4793.	15.6	50
1289	Toward ideal hole transport materials: a review on recent progress in dopant-free hole transport materials for fabricating efficient and stable perovskite solar cells. <i>Energy and Environmental Science</i> , 2020, 13, 4057-4086.	15.6	241
1290	Computational study of organic small molecules based on imidazolinone for photovoltaic applications. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-12.	1.2	7
1291	Electronically Governed ROMP: Expanding Sequence Control for Donor-Acceptor Conjugated Polymers. <i>Synlett</i> , 2020, 31, 1435-1442.	1.0	2
1292	Photophysical Studies on D- $\pi$ -A Imidazole Derivative for Organic Dye Sensitized Solar Cell Application. <i>Asian Journal of Chemistry</i> , 2020, 32, 2829-2838.	0.1	0
1293	Revealing the evolving mixture of molecular aggregates during organic film formation using simulations of in situ absorbance. <i>Journal of Chemical Physics</i> , 2020, 153, 214902.	1.2	7
1294	Synthesis of thieno[2,3- <i>h</i> ]-[3,2- <i>h</i> ]quinolines and thieno[2,3- <i>h</i> ]quinolines by Brønsted acid mediated cycloisomerisation. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6531-6536.	1.5	8
1295	Structure-activity relationships in well-defined conjugated oligomer photocatalysts for hydrogen production from water. <i>Chemical Science</i> , 2020, 11, 8744-8756.	3.7	41
1296	D- $\pi$ -A <sup>2</sup> -type asymmetric small molecules based on triphenylamine-diketopyrrolopyrrole/5,6-difluoro-2,1,3-benzothiadiazole backbone for organic photovoltaic materials. <i>New Journal of Chemistry</i> , 2020, 44, 13319-13329.	1.4	4
1297	High-Performance Static Induction Transistors Based on Small-Molecule Organic Semiconductors. <i>Advanced Materials Technologies</i> , 2020, 5, 2000361.	3.0	6
1298	Accurate Nonlinear Optical Properties of Solvated <i>para</i> -Nitroaniline Predicted by an Electrostatic Discrete Local Field Approach. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10195-10209.	1.2	6
1299	Structural, optical & diode studies of PVA-Coumarin composite. <i>Optik</i> , 2020, 221, 165344.	1.4	13



#	ARTICLE	IF	CITATIONS
1300	Ladder-type bithiophene imide-based organic semiconductors: understanding charge transport mechanisms in organic field effect transistors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15759-15770.	2.7	6
1301	Investigation of Hierarchical Structure Formation in Merocyanine Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2020, 124, 19457-19466.	1.5	4
1303	Designing of near-infrared sensitive asymmetric small molecular donors for high-efficiency organic solar cells. <i>Journal of Theoretical and Computational Chemistry</i> , 2020, 19, 2050034.	1.8	67
1304	Efficient Fullerene-Free Organic Solar Cells Using a Coumarin-Based Wide-Band-Gap Donor Material. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 41869-41876.	4.0	21
1305	Interface Tuning between Two Connecting Bulk Heterojunctions in Small Molecule Bilayer Ternary Solar Cells. <i>Materials</i> , 2020, 13, 4833.	1.3	0
1306	Pd-Catalyzed Aerobic Oxidative Coupling of Thiophenes: Synergistic Benefits of Phenanthroline Dione and a Cu Cocatalyst. <i>Journal of the American Chemical Society</i> , 2020, 142, 20318-20323.	6.6	21
1307	Impact of Chirality on Hydrogen-Bonded Supramolecular Assemblies and Photoconductivity of Diketopyrrolopyrrole Derivatives. <i>Chemistry - A European Journal</i> , 2020, 26, 9998-10004.	1.7	18
1308	On the Discrepancy between Experimental and Calculated Raman Intensities for Conjugated Phenyl and Thiophene Derivatives. <i>Journal of Physical Chemistry A</i> , 2020, 124, 4678-4689.	1.1	7
1309	Reducing Energy Losses at the Organic anode-buffer Interface of Organic Photovoltaics. <i>Physical Review Applied</i> , 2020, 13, .	1.5	8
1310	Development of Perylene-Based Non-Fullerene Acceptors through Bay-Functionalization Strategy. <i>Materials</i> , 2020, 13, 2148.	1.3	24
1311	Bacteriochlorins and their metal complexes as NIR-absorbing photosensitizers: properties, mechanisms, and applications. <i>Coordination Chemistry Reviews</i> , 2020, 416, 213340.	9.5	74
1312	FB-REDA: fragment-based decomposition analysis of the reorganization energy for organic semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11881-11890.	1.3	10
1313	n-Type Molecular Photovoltaic Materials: Design Strategies and Device Applications. <i>Journal of the American Chemical Society</i> , 2020, 142, 11613-11628.	6.6	215
1314	Strongly luminescent and liquid-crystalline $\pi$ -conjugated 2-methyl[1,2,3]benzotriazoles with a linear donor-acceptor-donor structure. <i>Journal of Molecular Liquids</i> , 2020, 314, 113616.	2.3	5
1315	Carbon Nanohybrids for Advanced Electronic Applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2000199.	0.8	9
1316	Dynamic behavior of photogenerated charge carriers in diketopyrrolopyrrole-linked tetrabenzoporphyrin-based bulk heterojunction thin films probed with time-resolved terahertz spectroscopy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 400, 112693.	2.0	3
1317	Electrochemical Polymerization of Pyrrole-Perimidine Hybrids: Low-Band-Gap Materials with High n-Doping Activity. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14350-14362.	1.5	13
1318	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

#	ARTICLE	IF	CITATIONS
1319	Molecular generation targeting desired electronic properties <i>via</i> deep generative models. <i>Nanoscale</i> , 2020, 12, 6744-6758.	2.8	27
1320	15.3% efficiency all-small-molecule organic solar cells enabled by symmetric phenyl substitution. <i>Science China Materials</i> , 2020, 63, 1142-1150.	3.5	140
1321	C1-, C2-, and C3-Modified Carbazole Derivatives as Promising Host Materials for Phosphorescent Organic Light-Emitting Diodes. <i>Organic Letters</i> , 2020, 22, 2786-2790.	2.4	20
1322	Acceptora€“donora€“acceptor type molecules for high performance organic photovoltaics a€“ chemistry and mechanism. <i>Chemical Society Reviews</i> , 2020, 49, 2828-2842.	18.7	326
1323	Carbazole-based green and blue-BODIPY dyads and triads as donors for bulk heterojunction organic solar cells. <i>Dalton Transactions</i> , 2020, 49, 5606-5617.	1.6	34
1324	Improved performance of small molecule organic solar cells by incorporation of a glancing angle deposited donor layer. <i>Scientific Reports</i> , 2020, 10, 5766.	1.6	5
1325	TD-DFT benchmark for UV-visible spectra of fused-ring electron acceptors using global and range-separated hybrids. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7864-7874.	1.3	47
1326	Ultra-Thick Organic Pigment Layer Up to 10 Î¼m Activated by Crystallization in Organic Photovoltaic Cells. <i>Frontiers in Energy Research</i> , 2020, 8, .	1.2	7
1327	Extension of Î€-conjugation and enhancement of electron-withdrawing ability at terminal indenedione for A-Î€-D-Î€-A small molecules for application in organic solar cells. <i>Organic Electronics</i> , 2020, 81, 105679.	1.4	10
1328	All-solution-processed small-molecule solar cells by stripping-transfer method. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 5789-5793.	1.1	4
1329	COMPARISON OF PERFORMANCES OF ORGANIC PHOTOVOLTAIC CELLS USING SubPc AS CENTRAL AMBIPOLAR LAYER IN TERNARY STRUCTURES AND AS ELECTRON ACCEPTOR IN BINARY STRUCTURES. <i>Surface Review and Letters</i> , 2020, 27, 1950184.	0.5	2
1330	Terminal modulation of asymmetrical Dâ”Aâ”DÎ€ furan-containing diketopyrrolopyrrole chromophores for intramolecular charge transfer properties. <i>Dyes and Pigments</i> , 2020, 177, 108277.	2.0	4
1331	Investigating blend morphology of P3HT:PCBM bulk heterojunction solar cells by classical atomistic simulations a€“ Progress and prospects. <i>Soft Materials</i> , 2020, 18, 163-176.	0.8	9
1332	High Potassium Concentrations Nested in Epitaxial Monolayers of a Flexible Lander-Type Molecule on Ag(111). <i>Journal of Physical Chemistry C</i> , 2020, 124, 4114-4127.	1.5	2
1333	Recent progress in flexiblea€“wearable solar cells for self-powered electronic devices. <i>Energy and Environmental Science</i> , 2020, 13, 685-743.	15.6	340
1334	Understanding charge transport in donor/acceptor blends from large-scale device simulations based on experimental film morphologies. <i>Energy and Environmental Science</i> , 2020, 13, 601-615.	15.6	14
1335	Exciton Interactions, Excimer Formation, and [2Î€+2Î€] Photodimerization in Nonconjugated Curcuminoida€“BF<sub>2</sub> Dimers. <i>Chemistry - A European Journal</i> , 2020, 26, 3818-3828.	1.7	4
1336	Effect of fused triphenylamine core in star-shaped donor-Î€-acceptor molecules on their physicochemical properties and performance in bulk heterojunction organic solar cells. <i>Dyes and Pigments</i> , 2020, 177, 108260.	2.0	18

#	ARTICLE	IF	CITATIONS
1337	4H-pyranylidene-based small push-pull chromophores: Synthesis, structure, electronic properties and photovoltaic evaluation. <i>Dyes and Pigments</i> , 2020, 178, 108357.	2.0	3
1338	Fluorinated oligothiophene donors for high-performance nonfullerene small-molecule organic solar cells. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2680-2685.	2.5	12
1339	Experimental and Theoretical Exploration of Aryl Substituent Effects on the Electronic Properties of Asymmetric 4,7-Di(thiophene-2-yl)-benzo[ <i>c</i> ][2,1,5]thiadiazole Compounds. <i>Polycyclic Aromatic Compounds</i> , 2020, , 1-16.	1.4	2
1340	Novel Solid-State Emissive Polymers and Polymeric Blends from a T-Shaped Benzodifuran Scaffold: A Comparative Study. <i>Polymers</i> , 2020, 12, 718.	2.0	3
1341	Excitonically Coupled Cyclic BF <sub>2</sub> Arrays of Calix[8] and Calix[16]phyrin as Near-Infrared Chromophores. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13063-13070.	7.2	29
1342	Significance of five membered heterocycles in fine tuning of HOMO-LUMO gap of simple donor-acceptor system as organic solar cell material: A DFT approach. <i>Materials Today: Proceedings</i> , 2020, 33, 1229-1233.	0.9	5
1343	Excitonically Coupled Cyclic BF <sub>2</sub> Arrays of Calix[8] and Calix[16]phyrin as Near-Infrared Chromophores. <i>Angewandte Chemie</i> , 2020, 132, 13163-13170.	1.6	7
1344	Bent-Shaped <i>ip</i> -Type Small-Molecule Organic Semiconductors: A Molecular Design Strategy for Next-Generation Practical Applications. <i>Journal of the American Chemical Society</i> , 2020, 142, 9083-9096.	6.6	108
1345	Theoretical, spectroscopical, and experimental investigations of small azomethine molecules for organic solar cells. <i>Journal of Chemical Research</i> , 2020, 44, 625-631.	0.6	1
1346	Î±-DTC <sub>70</sub> fullerene performs significantly better than Î²-DTC <sub>70</sub> as electron transporting material in perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6813-6819.	2.7	5
1347	Benzodithiophene-based wide-bandgap small-molecule donors for organic photovoltaics with large open-circuit voltages. <i>Organic Electronics</i> , 2021, 88, 105996.	1.4	5
1348	Molecular Donor-Acceptor Dyads for Efficient Single-Material Organic Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2000653.	3.1	30
1349	Merocyanine Dyes with Extended Polymethine Chains by Simple Two-Step Condensation Sequence. <i>Synthesis</i> , 2021, 53, 318-325.	1.2	1
1350	Recent progress on all small molecule organic solar cells using small molecule nonfullerene acceptors. <i>Informa-Materials</i> , 2021, 3, 175-200.	8.5	113
1351	Supramolecular Ladder Assemblies as a Model for Probing Electronic Interactions between Multiple Stacked Î-conjugated Systems. <i>ChemPhysChem</i> , 2021, 22, 178-183.	1.0	1
1352	Enthalpically and Entropically Favorable Self-Assembly: Synthesis of C <sub>4h</sub> -Symmetric Tetraazatetrathia[8]circulenes by Regioselective Introduction of Pyridine Rings. <i>Chemistry - A European Journal</i> , 2021, 27, 5675-5682.	1.7	3
1353	Synthesis, photophysical, and theoretical studies on Î-conjugated copolymers based on benzothiadiazole and cyanopyridine acceptor moieties along with other Î-bridge units. <i>Journal of Physical Organic Chemistry</i> , 2021, 34, e4158.	0.9	3
1354	Energy-level modulation of coumarin-based molecular donors for efficient all small molecule fullerene-free organic solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1563-1573.	5.2	18

#	ARTICLE	IF	CITATIONS
1355	Small Molecules for Vacuum-Processed Organic Photovoltaics: Past, Current Status, and Prospect. Bulletin of the Chemical Society of Japan, 2021, 94, 812-838.	2.0	29
1356	Impact of molecular and packing structure on the charge-transport properties of hetero[8]circulenes. Journal of Materials Chemistry C, 2021, 9, 1451-1466.	2.7	11
1357	A Three-Step Synthesis of 1,7-Diazaperylene and Derivatives. Synthesis, 2021, 53, 713-722.	1.2	2
1358	Donor-acceptor-donor modelled donor targets based on indoline and naphthalene diimide functionalities for efficient bulk-heterojunction devices. Dyes and Pigments, 2021, 184, 108808.	2.0	1
1359	Structural diversity and luminescent properties of coordination complexes obtained from trivalent lanthanide ions with the ligands: tris((1H-benzo[d]imidazol-2-yl)methyl)amine and 2,6-bis(1H-benzo[d]imidazol-2-yl)pyridine. Coordination Chemistry Reviews, 2021, 427, 213587.	9.5	20
1360	Photodynamic antitumor activity of aggregation-induced emission luminogens as chemosensitizers for paclitaxel by concurrent induction of apoptosis and autophagic cell death. Materials Chemistry Frontiers, 2021, 5, 3448-3457.	3.2	6
1361	Comprehensive understanding of the structure-stacking property correlation to achieve high-performance ternary data-storage devices. Materials Chemistry Frontiers, 2021, 5, 3176-3183.	3.2	6
1362	Pixelated full-colour small molecule semiconductor devices towards artificial retinas. Journal of Materials Chemistry C, 2021, 9, 5858-5867.	2.7	9
1363	DFT and TDDFT Studies of Non-Fullerene Organometallic Based Acceptors for Organic Photovoltaics. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1676-1687.	1.9	6
1364	Synthesis of functionalized benzo[1,3]dioxin-4-ones from salicylic acid and acetylenic esters and their direct amidation. RSC Advances, 2021, 11, 24570-24574.	1.7	5
1365	Synthesis, characterization, photophysical properties, and computational studies on N-hexylphenothiazine/cyanopyridine based $\pi$ -conjugated copolymers. High Performance Polymers, 2021, 33, 712-726.	0.8	1
1366	Indacenodithiophene-based small-molecule donor with strong crystallinity for efficient organic solar cells. Chemical Communications, 2021, 57, 10767-10770.	2.2	5
1367	Excited-state engineering of oligothiophenes via phosphorus chemistry towards strong fluorescent materials. Physical Chemistry Chemical Physics, 2021, 23, 24265-24272.	1.3	4
1368	Ultrafast channel I and channel II charge generation processes at a nonfullerene donor-acceptor PTB7:PDI interface is crucial for its excellent photovoltaic performance. Physical Chemistry Chemical Physics, 2021, 23, 2097-2104.	1.3	4
1369	Acenaphthylene as a building block for $\pi$ -electron functional materials. Journal of Materials Chemistry C, 2021, 9, 12448-12461.	2.7	20
1370	An attempt to synthesize a terthienyl-based analog of indacenodithiophene (IDT): unexpected synthesis of a naphtho[2,3-b]thiophene derivative. RSC Advances, 2021, 11, 9894-9900.	1.7	1
1371	Steric hindrance dependence on the spin and morphology properties of highly oriented self-doped organic small molecule thin films. Materials Advances, 2021, 2, 356-365.	2.6	8
1372	Oligothiophenes: Synthesis and Optoelectronic Properties. International Journal of Experimental Research and Review, 0, , 66-83.	0.0	0

#	ARTICLE	IF	CITATIONS
1373	Regioselective intramolecular sp <sup>2</sup> C-H amination: direct vs. mediated electrooxidation. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1581-1586.	2.3	18
1374	Effects of lateral-chain thiophene fluorination on morphology and charge transport of BDT-T based small molecule donors: a study with multiscale simulations. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14637-14647.	2.7	5
1375	Rapid Access to Benzimidazo[1,2-a]quinoline-Fused Isoxazoles via Pd(II)-Catalyzed Intramolecular Cross Dehydrogenative Coupling: Synthetic Versatility and Photophysical Studies. <i>Journal of Organic Chemistry</i> , 2021, 86, 4081-4097.	1.7	24
1376	Peptide-Protein Interactions: From Drug Design to Supramolecular Biomaterials. <i>Molecules</i> , 2021, 26, 1219.	1.7	11
1377	An Electron-Accepting aza-BODIPY-Based Donor-Acceptor-Donor Architecture for Bright NIR Emission. <i>Chemistry - A European Journal</i> , 2021, 27, 5259-5267.	1.7	33
1378	The effect of molecular structure on the efficiency of 1,4-diazine-based (I) A push-pull systems for non-doped OLED applications. <i>Dyes and Pigments</i> , 2021, 187, 109124.	2.0	16
1379	Flexible organic solar cells for biomedical devices. <i>Nano Research</i> , 2021, 14, 2891-2903.	5.8	19
1380	Contact resistance corrected-electrical characteristics with channel length effects in $\pi$ -conjugated small-molecule benzenanthracene organic thin film transistors. <i>Synthetic Metals</i> , 2021, 273, 116670.	2.1	10
1381	Effect of the mode of fixation of the thienyl rings on the electronic properties of electron acceptors based on indacenodithiophene (IDT). <i>Dyes and Pigments</i> , 2021, 187, 109116.	2.0	5
1382	2021 roadmap on lithium sulfur batteries. <i>JPhys Energy</i> , 2021, 3, 031501.	2.3	74
1383	Photoisomerization and its effect in the opto-electronic properties of organic photovoltaic materials: A quantum chemistry study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 409, 113155.	2.0	5
1384	Designing of small molecule non-fullerene acceptors with cyanobenzene core for photovoltaic application. <i>Computational and Theoretical Chemistry</i> , 2021, 1197, 113154.	1.1	43
1385	Unusual Zig-Zag Effect in the Electrochemical Oxidation of Phenyl End-Capped $\pi$ -Oligothiophenes. <i>Organic Materials</i> , 2021, 03, 119-127.	1.0	3
1386	A three-shell supramolecular complex enables the symmetry-mismatched chemo- and regioselective bis-functionalization of C60. <i>Nature Chemistry</i> , 2021, 13, 420-427.	6.6	95
1387	The effect of gamma irradiation on structural, optical, and dispersion properties of PVA/Zn <sub>0.5</sub> Co <sub>0.4</sub> Ag <sub>0.2</sub> Fe <sub>2</sub> O <sub>4</sub> nanocomposite films. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 13336-13349.	1.1	16
1388	Efficient Solar Cells Based on a Polymer Donor with $\pi^2$ -Branching in Trialkylsilyl Side Chains. <i>Organic Materials</i> , 2021, 03, 134-140.	1.0	0
1389	Computational and experimental investigations of a cyano group containing novel small molecule organic semiconductor. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 14749.	1.1	1
1390	Surface topology, optical spectroscopic and electrical studies on boron subphthalocyanine chloride thin films. <i>Journal of Dispersion Science and Technology</i> , 2022, 43, 2134-2141.	1.3	13

#	ARTICLE	IF	CITATIONS
1391	Novel thieno[3,2-b]thiophene-embedded small-molecule donors for highly efficient and photostable vacuum-processed organic photovoltaics. <i>Materials Today Energy</i> , 2021, 20, 100633.	2.5	4
1392	Leveraging Fleeting Strained Intermediates to Access Complex Scaffolds. <i>Jacs Au</i> , 2021, 1, 897-912.	3.6	37
1393	Recent progress in small-molecule donors for non-fullerene all-small-molecule organic solar cells. <i>Nano Select</i> , 2022, 3, 233-247.	1.9	17
1394	Polycyclic Aromatic Hydrocarbons Bearing Polyethynyl Bridges: Synthesis, Photophysical Properties, and their Applications. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 1544-1566.	1.3	9
1395	Reducing Non-radiative Voltage Losses by Methylation of Push-Pull Molecular Donors in Organic Solar Cells. <i>ChemSusChem</i> , 2021, 14, 3622-3631.	3.6	4
1396	Near-infrared absorbing (>700 nm) aza-BODIPYs by freezing the rotation of the aryl groups. <i>Chinese Chemical Letters</i> , 2022, 33, 115-122.	4.8	24
1397	Tuning the optoelectronic properties of oligothieryl silane derivatives and their photovoltaic properties. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 106, 107918.	1.3	25
1398	Single-molecule laser nanospectroscopy with micro-electron volt energy resolution. <i>Science</i> , 2021, 373, 95-98.	6.0	47
1399	On the Interplay between Molecular Packing and Optical Response in Thin Films for Organic Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16304-16315.	1.5	0
1400	Designing and theoretical study of fluorinated small molecule donor materials for organic solar cells. <i>Journal of Molecular Modeling</i> , 2021, 27, 216.	0.8	31
1401	Systematic energy band gap control of pyrene based donor-acceptor-donor molecules for efficient chemosensor. <i>Dyes and Pigments</i> , 2021, 191, 109362.	2.0	9
1402	Solution-processed small-molecule organic solar cells based on non-aggregated zinc phthalocyanine derivatives: A comparative experimental and theoretical study. <i>Materials Science in Semiconductor Processing</i> , 2021, 129, 105777.	1.9	10
1403	Chemical Vapor Transport Route toward Black Phosphorus Nanobelts and Nanoribbons. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8347-8354.	2.1	10
1404	DFT molecular modeling studies of D-A-D type cyclopentadithiophene-diketopyrrolopyrrole based small molecules donor materials for organic photovoltaic cells. <i>Optik</i> , 2021, 239, 166787.	1.4	48
1406	Novel indole-based photosensitizers coupled with PEG-HEC quasi-solid-state electrolyte to improve energy conversion and stability of organic dyes based-dye sensitized solar cells. <i>Electrochimica Acta</i> , 2021, 389, 138771.	2.6	20
1407	Fullerene-Free All-Small-Molecule Ternary Organic Solar Cells with Two Compatible Fullerene-Free Acceptors and a Coumarin Donor Enabling a Power Conversion Efficiency of 14.5%. <i>ACS Applied Energy Materials</i> , 2021, 4, 11537-11544.	2.5	7
1408	Influence of N-Substituents on Photovoltaic Properties of Singly Bay-Linked Dimeric Perylene Diimides. <i>Chemistry - A European Journal</i> , 2021, 27, 14081-14091.	1.7	2
1409	Mechanism of the Photodegradation of A-D-A Acceptors for Organic Photovoltaics**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24833-24837.	7.2	47

#	ARTICLE	IF	CITATIONS
1410	Synthesis, Mesomorphic, and Solar Energy Characterizations of New Non-Symmetrical Schiff Base Systems. <i>Frontiers in Chemistry</i> , 2021, 9, 686788.	1.8	6
1411	Effects of the Center Units of Small-Molecule Donors on the Morphology, Photovoltaic Performance, and Device Stability of All-Molecule Organic Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2100515.	3.1	10
1412	Fullerenes Enhance Self-Assembly and Electron Injection of Photosystem I in Biophotovoltaic Devices. <i>Langmuir</i> , 2021, 37, 11465-11473.	1.6	9
1413	Effect of oligothiophene $\pi$ -bridge length in D- $\pi$ -A star-shaped small molecules on properties and photovoltaic performance in single-component and bulk heterojunction organic solar cells and photodetectors. <i>Materials Today Energy</i> , 2021, 22, 100863.	2.5	11
1414	Mechanochromic luminescence from N,O-Chelated diphenylborinates. <i>Dyes and Pigments</i> , 2021, 193, 109484.	2.0	9
1415	Power generation by contact and the potential applications in new energy. <i>Nano Energy</i> , 2021, 87, 106167.	8.2	8
1416	Charge-Transfer in Panchromatic Porphyrin-Tetracyanobuta-1,3-diene Donor Conjugates: Switching the Role of Porphyrin in the Charge Separation Process. <i>Chemistry - A European Journal</i> , 2021, 27, 14335-14344.	1.7	10
1417	Mechanism of the Photodegradation of $\pi$ -Acceptors for Organic Photovoltaics. <i>Angewandte Chemie</i> , 0, .	1.6	1
1418	Domino Dehydrative $\pi$ -Extension: A Facile Path to Extended Perylenes and Terrylenes. <i>Chemistry - A European Journal</i> , 2021, 27, 17322-17325.	1.7	4
1419	A Multiple Excited-State Engineering of Boron-Functionalized Diazapentacene Via a Tuning of the Molecular Orbital Coupling. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9308-9314.	2.1	5
1420	Self-Assembled Materials Incorporating Functional Porphyrins and Carbon Nanoplatfoms as Building Blocks for Photovoltaic Energy Applications. <i>Frontiers in Chemistry</i> , 2021, 9, 727574.	1.8	3
1421	Deciphering the role of end-capped acceptor units for amplifying the photovoltaic properties of donor materials for high-performance organic solar cell applications. <i>Computational and Theoretical Chemistry</i> , 2021, 1205, 113454.	1.1	24
1422	Designing and comparative analysis of 3D subphthalocyanines based non-fullerene acceptor molecules as an efficient material for organic solar cells. <i>Optik</i> , 2021, 246, 167845.	1.4	13
1423	Joint experimental and computational studies of a cyanomethylcarbonyl-bridged pyrene-dinitrobenzene molecular ensemble. <i>Journal of Molecular Structure</i> , 2022, 1247, 131374.	1.8	2
1424	Fullerenes in Photovoltaics. , 2021, , 1-38.		0
1425	Theoretical design of new organic compounds based on diketopyrrolopyrrole and phenyl for organic bulk heterojunction solar cell applications: DFT and TD-DFT study. <i>Materials Today: Proceedings</i> , 2021, 45, 7334-7343.	0.9	19
1426	Regioregular, yet ductile and amorphous indacenodithiophene-based polymers with high-mobility for stretchable plastic transistors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 9670-9682.	2.7	25
1427	Synthesis and photophysical evaluation of polarity sensitive push-pull isoquinolines and their alkynyl precursors. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4958-4968.	1.5	1

#	ARTICLE	IF	CITATIONS
1428	Nanopatterns of molecular spoked wheels as giant homologues of benzene tricarboxylic acids. <i>Chemical Science</i> , 2021, 12, 9352-9358.	3.7	7
1429	Impact of fluorine substituted $\pi$ -bridges on the photovoltaic performance of organic small-molecule donor materials. <i>Molecular Systems Design and Engineering</i> , 2021, 6, 739-747.	1.7	2
1430	Molecular engineering of twisted dipolar chromophores for efficiency boosted BHJ solar cells. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4562-4575.	2.7	16
1431	Expanded all-phenylene molecular spoked wheels: cutouts of graphenylene-3. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4980-4985.	2.3	3
1432	Self- $\pi$ -Aggregation of Oligomethylene- $\pi$ -Tethered Diketopyrrolopyrrole Dimers. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 222-225.	1.3	2
1433	Synthesis of a Doubly Boron- $\pi$ -Doped Perylene through NHC- $\pi$ -Borenum Hydroboration/ $\pi$ -H Borylation/Dehydrogenation. <i>Angewandte Chemie</i> , 2017, 129, 12008-12012.	1.6	29
1434	Synthesis of Ferrocene Based Naphthoquinones and its Application as Novel Non-enzymatic Hydrogen Peroxide. <i>Electroanalysis</i> , 2020, 32, 1178-1185.	1.5	11
1435	Interfacial Materials for Organic Solar Cells. <i>Energy, Environment, and Sustainability</i> , 2020, , 373-423.	0.6	3
1436	p-Fluorophenyldicyanovinyl as electron-withdrawing group for highly soluble and thermally stable donor-acceptor small molecules. <i>Journal of Photonics for Energy</i> , 2018, 8, 1.	0.8	4
1437	Solution-Processed Donors. , 2014, , 3-69.		3
1438	Quinoxaline-Based Small Molecules: Synthesis and Investigation on Their Optoelectronic Properties. <i>Materials Science-Poland</i> , 2018, 36, 167-176.	0.4	3
1439	Synthesis of Alternative Electron Acceptor Compounds. <i>Open Organic Chemistry Journal</i> , 2015, 9, 9-15.	0.9	1
1440	Effect of Side Chain of Oligothiophene Derivatives on Bulk Heterojunction Structure in Organic Photovoltaic Devices. <i>Advances in Materials Physics and Chemistry</i> , 2013, 03, 185-190.	0.3	5
1441	Thiadiazoloquinoxaline-Based Narrow Energy Gap Molecules for Small Molecule Solar Cell Applications. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 661-664.	1.0	2
1442	Halogen bonding vs. $\pi$ -stacking interactions in new bis(acenaphthylene)dione semiconductors. <i>CrystEngComm</i> , 0, , .	1.3	1
1443	Bio-inspired strategies for next-generation perovskite solar mobile power sources. <i>Chemical Society Reviews</i> , 2021, 50, 12915-12984.	18.7	15
1444	Efficiency Improvement of All-small-molecule Organic Solar Cells Through Fused-aromatic Ring Side-chained Donors. <i>Solar Rrl</i> , 2021, 5, , .	3.1	7
1445	Designing of noble metal free high performance mesoporous electrocatalysts for water splitting. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 39799-39809.	3.8	7



#	ARTICLE	IF	CITATIONS
1446	Structural Tuning of Curved TTF-AQ as a Redox-Active Supramolecular Partner for C <sub>70</sub> Fullerene. <i>Journal of Organic Chemistry</i> , 2021, 86, 14855-14865.	1.7	4
1447	Preparation of Fullerene Derivative Thin Films by Electrospray Deposition Method. <i>Journal of the Japan Society for Precision Engineering</i> , 2013, 79, 170-175.	0.0	0
1449	p-Type Small Electron-Donating Molecules for Organic Heterojunction Solar Cells. , 2015, , 35-56.		0
1450	A NOVEL ACRYLONITRILE DERIVATIVE HAVING PHOTOVOLTAIC PERFORMANCE. <i>Journal of the Turkish Chemical Society, Section A: Chemistry</i> , 2016, 3, 439.	0.4	1
1451	Effect of core modification in star-shaped donor-acceptor oligomers on physical properties and photovoltaic performance. , 2017, , .		1
1453	SYNTHESIS OF THE OXIDIZED FORM OF DITHIENO-TTF BY ELECTROCRYSTALLIZATION. <i>Bulletin of Taras Shevchenko National University of Kyiv Chemistry</i> , 2018, , 57-60.	0.1	0
1454	Photonic band engineering in absorbing media for spectrally selective optoelectronic films. <i>Optics Express</i> , 2018, 26, 26933.	1.7	5
1455	Synthesis and Structural Study of 4H-cyclopenta[ c ]thiophene-5,5( 6H )-dicarbonitrile and 6,6-dimethyl-1,4-dihydro-5H-cyclopenta[ d ][1,2]dithiine-5,7( 6H )-dione. <i>ChemistrySelect</i> , 2020, 5, 5776-5780.		1
1456	Potenciais biológicos do óleo essencial de <i>Ocimum basilicum</i> Linn coletada na região Pr-Amazonica do Maranhão. <i>Research, Society and Development</i> , 2020, 9, e203985596.	0.0	0
1457	Single-Material Organic Solar Cells Based on Small Molecule Homojunctions: An Outdated Concept or a New Challenge for the Chemistry and Physics of Organic Photovoltaics?. <i>Advanced Energy Materials</i> , 2021, 11, 2102987.	10.2	16
1458	Spectral response tuning of organic photodetectors using strong microcavity effects for medical X-ray detector application. <i>Organic Electronics</i> , 2021, , 106384.	1.4	3
1459	Luminescent Crystal "Control of Excited-State Intramolecular Proton Transfer (ESIPT) Luminescence Through Polymorphism. , 2020, , 271-298.		1
1460	OPV with a Crystalline Organic Pigment Active Layer Up to 10 <sup>14</sup> m. , 2021, , 75-87.		0
1461	Naphthalene diimide-based electron transport materials for perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 27170-27192.	5.2	17
1462	Convolutional neural networks for the design and analysis of nonfullerene acceptors. , 2022, , 231-256.		25
1463	Panchromatic Terthiophenyl-benzodithiophene Conjugated Porphyrin Donor for Efficient Organic Solar Cells. <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	3
1464	Analytical and preparative separation and isolation of functionalized fullerenes by conventional HPLC stationary phases: method development and column screening. <i>RSC Advances</i> , 2020, 10, 19211-19218.	1.7	2
1465	Thiophenes and Their Benzo Derivatives: Applications. , 2022, , 613-652.		1

#	ARTICLE	IF	CITATIONS
1466	Interplay between Morphology and Electronic Structure in Emergent Organic and $\pi$ -d Conjugated Organometal Thin Film Materials. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 15365-15379.	1.8	2
1467	Principles and applications of photothermal catalysis. <i>Chem Catalysis</i> , 2022, 2, 52-83.	2.9	157
1468	Charge Generation and Transfer Mechanism of Bilayer Organic Photovoltaics with Unconventional Energy Alignment. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25680-25686.	1.5	7
1469	Organic Devices: Fabrication, Applications, and Challenges. <i>Journal of Electronic Materials</i> , 2022, 51, 447-485.	1.0	20
1470	The second-order NLO and TADF properties of a donor-acceptor dihydropyrene-cyclophanediene system: the impact of molecular architecture and polarizable environment. <i>Journal of Materials Chemistry C</i> , 2022, 10, 886-898.	2.7	10
1471	Ultrafast Electron Transfer in All-Small-Molecule Photovoltaic Blends Promoted by Intermolecular Interactions in Cyanided Donors. <i>Chinese Journal of Chemical Physics</i> , 0, , .	0.6	6
1472	Negative differential resistance behavior in $n$ -channel organic thin film transistors based on C 60 and PTCDI-C8: Electrical characterization and parameter extraction. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 0, , 2100500.	0.8	1
1473	Recent advances of NIR dyes of pyrrolopyrrole cyanine and pyrrolopyrrole aza-BODIPY: Synthesis and application. <i>Dyes and Pigments</i> , 2022, 198, 110040.	2.0	25
1474	DFT analysis of different substitutions on optoelectronic properties of carbazole-based small acceptor materials for Organic Photovoltaics. <i>Materials Science in Semiconductor Processing</i> , 2022, 140, 106381.	1.9	9
1475	Mechanism of Ligand-Controlled Chemoselectivity-Switchable Ni-Catalyzed C-N Cross-Coupling of Amine. <i>ChemistrySelect</i> , 2022, 7, .	0.7	0
1476	Vacuum-deposited organic solar cells utilizing a low-bandgap non-fullerene acceptor. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2569-2574.	2.7	5
1477	Synthesis, Characterization, and Thin-Film Transistor Response of Benzo[i]pentahelicene-3,6-dione. <i>Molecules</i> , 2022, 27, 863.	1.7	2
1478	Semitransparent organic solar cells: from molecular design to structure-performance relationships. <i>Journal of Materials Chemistry C</i> , 2021, 10, 13-43.	2.7	25
1479	Nanometer-scaled landscape of polymer: fullerene blends mapped with visible s-SNOM. <i>Nanotechnology</i> , 2022, 33, 165702.	1.3	1
1480	Phenol-Functionalized Perylene Bisimides as Amine-Free Electron Transporting Interlayers for Stable Nonfullerene Organic Solar Cells. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	21
1481	Novel A-D-A-type BODIPY dyads as small-molecule donors for solution-processed organic solar cells. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3248-3258.	2.7	12
1482	Cu-catalyzed [2 + 2 + 1] cascade annulation of vinyl iodonium salts with elemental sulfur/selenium for the modular synthesis of thiophenes and selenophenes. <i>New Journal of Chemistry</i> , 2022, 46, 945-949.	1.4	7
1483	Augmented Self-Association by Electrostatic Forces in Thienopyrrole-Fused Thiadiazoles that Contain an Ester instead of an Ether Linker. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	0

#	ARTICLE	IF	CITATIONS
1484	Molecular design directs self-assembly of DPP polycatenars into 2D and 3D complex nanostructures. <i>Journal of Molecular Liquids</i> , 2022, 351, 118605.	2.3	0
1485	Coherently degenerate state engineering of organic small molecule materials to generate Wannier excitons. <i>Chemical Physics Impact</i> , 2022, 4, 100062.	1.7	3
1486	A facile synthesis of amphiphilic <i>N</i> -glycosyl naphthalimides and fabrication of flexible semiconductors using molecular self-assembly. <i>Green Chemistry</i> , 2022, 24, 2451-2463.	4.6	6
1487	Organic electronics: an overview of key materials, processes, and devices. , 2022, , 3-71.		4
1488	Novel perylene diimides for improved photophysical and electrochemical properties. <i>Journal of Materials Research and Technology</i> , 2022, 17, 2675-2683.	2.6	3
1489	Assessment of time-dependent density functionals for the electronic excitation energies of organic dyes used in DSSCs. <i>New Journal of Chemistry</i> , 2022, 46, 7682-7694.	1.4	7
1490	Small-molecule ambipolar transistors. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 9770-9806.	1.3	17
1491	On the interface reactions and stability of nonfullerene organic solar cells. <i>Chemical Science</i> , 2022, 13, 4714-4739.	3.7	32
1492	Structureâ€‘properties of small donorâ€‘acceptor molecules for homojunction single-material organic solar cells. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5716-5726.	2.7	8
1493	Nanostructure Semiconductor Materials for Device Applications. <i>Materials Horizons</i> , 2022, , 57-86.	0.3	1
1494	Synthesis and Properties of Thieno[3,2- <i>ef</i> ]isoquinolines and Benzothieno[3,2- <i>ef</i> ]isoquinolines. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	3
1496	Modulating vectored non-covalent interactions for layered assembly with engineerable properties. <i>Bio-Design and Manufacturing</i> , 2022, 5, 529-539.	3.9	6
1497	Tuning Morphology of Active Layer by using a Wide Bandgap Oligomerâ€‘Like Donor Enables Organic Solar Cells with Over 18% Efficiency. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	45
1498	Conjugated Tetrathiafulvalene Carboxylates for Stable Organic Lithium Batteries. <i>ChemElectroChem</i> , 2022, 9, .	1.7	2
1499	Aktivierung eines biomimetischen [FeFe]-Hydrogenaseâ€‘Komplexes fÃ¼r die H <sub>2</sub> -Produktion mit sichtbarem Licht**. <i>Angewandte Chemie</i> , 0, , .	1.6	0
1500	Activating a [FeFe] Hydrogenase Mimic for Hydrogen Evolution under Visible Light**. <i>Angewandte Chemie - International Edition</i> , 2022, , .	7.2	6
1501	Designing phenyl-di-p-tolyl-amine-based asymmetric small molecular donor materials with favorable photovoltaic parameters. <i>Optik</i> , 2022, 256, 168739.	1.4	9
1502	Drain-induced barrier lowering effect in organic thin-film transistors based on various organic small molecules: Channel length and drain voltage influences. <i>Synthetic Metals</i> , 2022, 287, 117066.	2.1	1

#	ARTICLE	IF	CITATIONS
1503	Substitution effects in distyryl BODIPYs for near infrared organic photovoltaics. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 429, 113933.	2.0	3
1504	Recent progress in organic solar cells (Part I material science). <i>Science China Chemistry</i> , 2022, 65, 224-268.	4.2	349
1505	Harnessing Intramolecular Chalcogenâ€“Chalcogen Bonding in Merocyanines for Utilization in High-Efficiency Photon-to-Current Conversion Optoelectronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 4360-4370.	4.0	4
1506	Synthesis of thiazole-condensed germoles with enhanced electron-deficient properties. <i>Dyes and Pigments</i> , 2022, 203, 110333.	2.0	5
1507	Enhancement of power conversion efficiency of dye-sensitized solar cell via symmetrical Bi-anchoring organic molecules as co-sensitizer. <i>Organic Electronics</i> , 2022, 106, 106533.	1.4	2
1508	CHAPTER 4. p-Type Molecular Materials for Organic Solar Cells. <i>RSC Nanoscience and Nanotechnology</i> , 0, , 109-153.	0.2	0
1511	Thin-film electronics on active substrates: review of materials, technologies and applications. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 323002.	1.3	33
1512	Efficient Synthesis of Dipyrrolobenzenes and Dipyrrolopyrazines <i>via</i> Bidirectional Gold Catalysis: a Combined Synthetic and Photophysical Study. <i>Journal of the American Chemical Society</i> , 2022, 144, 8306-8316.	6.6	16
1513	Synthesis, structural characterization, theoretical and electrical properties of novel sulpho-coumarin based methacrylate polymer. <i>Journal of Polymer Research</i> , 2022, 29, 1.	1.2	2
1514	Design organic material with acceptor-Ï€-donor configuration for high performance solar cells. <i>Computational and Theoretical Chemistry</i> , 2022, 1212, 113729.	1.1	0
1515	Exciton transport in molecular organic semiconductors boosted by transient quantum delocalization. <i>Nature Communications</i> , 2022, 13, 2755.	5.8	30
1516	Organic Photovoltaic Cells: Opportunities and Challenges. <i>Materials Horizons</i> , 2022, , 499-550.	0.3	1
1517	Recent Advances in the Design of Multi-Substituted Carbazoles for Optoelectronics: Synthesis and Structure-Property Outlook. <i>ChemPhotoChem</i> , 2022, 6, .	1.5	19
1518	Linear and nonlinear optical properties of 1-(2-methoxyphenyl)-3-(4-chlorophenyl) triazene. <i>International Journal of Materials Research</i> , 2022, 113, 644-651.	0.1	1
1519	Concepts and principles of self-n-doping in perylene diimide chromophores for applications in biochemistry, energy harvesting, energy storage, and catalysis. <i>Materials Horizons</i> , 2022, 9, 2026-2052.	6.4	8
1520	Highly efficient solar photothermal conversion of graphene-coated conjugated microporous polymers hollow spheres. <i>Journal of Colloid and Interface Science</i> , 2022, 623, 856-869.	5.0	15
1521	Striding the threshold of photocatalytic <i>lignin-first</i> biorefining <i>via</i> a bottom-up approach: from model compounds to realistic lignin. <i>Green Chemistry</i> , 2022, 24, 5351-5378.	4.6	25
1522	Computational investigation on the geometry and electronic structures and absorption spectra of metal-porphyrin-oligo-phenyleneethynylenes-[60] fullerene triads. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 280, 121488.	2.0	18

#	ARTICLE	IF	CITATIONS
1523	Fluorescent litmus film for detecting acid vapors: free-standing and robust AIE sensing film fabricated by photopolymerization of self-assembled hierarchical triphenylamine-based gelators. <i>Journal of Materials Chemistry C</i> , 2022, 10, 11316-11322.	2.7	3
1524	High-Efficiency Ternary Organic Solar Cells Enabled by Synergizing Dicyanomethylene-Functionalized Coumarin Donors and Fullerene-Free Acceptors. <i>ACS Applied Energy Materials</i> , 2022, 5, 9020-9030.	2.5	7
1525	Oligothiophene-based photovoltaic materials for organic solar cells: rise, plateau, and revival. <i>Trends in Chemistry</i> , 2022, 4, 773-791.	4.4	17
1526	An extension of electron acceptor sites around Thiazolothiazole unit for evaluation of large power conversion efficiency: A theoretical insight. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 281, 121610.	2.0	7
1527	Copper-Templated Formation of Dihelical Oligothiophene-phenanthroline Assemblies. <i>Organic Materials</i> , 0, , .	1.0	0
1528	Spectroelectrochemically determined energy levels of PM6:Y6 blends and their relevance to solar cell performance. <i>Journal of Materials Chemistry C</i> , 2022, 10, 11565-11578.	2.7	14
1529	The principles, design and applications of fused-ring electron acceptors. <i>Nature Reviews Chemistry</i> , 2022, 6, 614-634.	13.8	163
1530	Triphenylamine-based conjugated fluorescent sensor for highly sensitive detection of water in organic solvents. <i>Journal of Molecular Liquids</i> , 2022, 365, 120086.	2.3	7
1531	Electronic transport in organic photovoltaic materials subjected to dark and light irradiation conditions: A first principles study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 433, 114182.	2.0	0
1532	Flexible solar and thermal energy conversion devices: Organic photovoltaics (OPVs), organic thermoelectric generators (OTEGs) and hybrid PV-TEG systems. <i>Applied Materials Today</i> , 2022, 29, 101614.	2.3	16
1533	DFT molecular modeling of A2-D-A1-D-A2 type DF-PCIC based small molecules acceptors for organic photovoltaic cells. <i>Chemical Physics Letters</i> , 2022, 806, 140026.	1.2	17
1534	Recent advances of nonfullerene acceptors in organic solar cells. <i>Nano Energy</i> , 2022, 103, 107802.	8.2	28
1535	N-type small molecule electron transport materials with D-A-D conjugated core for non-fullerene organic solar cells. <i>Chemical Engineering Journal</i> , 2023, 452, 139260.	6.6	19
1536	Molecular origin of structural defects in the zinc phthalocyanine film. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 19956-19964.	1.3	1
1537	Fullerenes in Photovoltaics. , 2022, , 851-888.		0
1538	Photovoltaic properties of hole transport materials for organic solar cell (OSC) applications: physiochemical insight and in silico designing. <i>Australian Journal of Chemistry</i> , 2022, 75, 399-411.	0.5	4
1539	Construction of a hierarchical tubular metal-organic framework composed of nanosheet arrays as a photothermal catalyst through phase transformation. <i>Journal of Materials Chemistry A</i> , 2022, 10, 17434-17439.	5.2	8
1540	Conjugated donor-acceptor substituted systems involving the 1,3-indandione-derived electron accepting moieties. <i>RSC Advances</i> , 2022, 12, 27766-27774.	1.7	1

#	ARTICLE	IF	CITATIONS
1541	Fontes de energias renováveis: pesquisas, tendências e perspectivas sobre as práticas sustentáveis. Research, Society and Development, 2022, 11, e468111133893.	0.0	2
1542	Establishing Self-Dopant Design Principles from Structure-Function Relationships in Self-Doped Perylene Diimide Organic Semiconductors. Advanced Materials, 2022, 34, .	11.1	4
1543	Gold-Catalyzed Bidirectional Access to Planar Heptacyclic Benzobispyrido[1,2-a<i>h</i>]indoles and Benzobispyrrolo[1,2-a<i>h</i>]Quinolines for Materials Science. Advanced Synthesis and Catalysis, 2022, 364, 3559-3566.	2.1	3
1544	Tetracyanobutadiene Bridged Push-Pull Chromophores: Development of New Generation Optoelectronic Materials. Chemical Record, 2023, 23, .	2.9	8
1545	Facile Route to Novel Diazaphosphinine-Based Polycyclic Aromatic Hydrocarbons. Angewandte Chemie, 2022, 134, .	1.6	2
1546	Facile Route to Novel Diazaphosphinine-Based Polycyclic Aromatic Hydrocarbons. Angewandte Chemie - International Edition, 2022, 61, .	7.2	8
1547	Karbazol Temelli (Dâ€“îâ€“A) DuyarlarÄ±rÄ±cÄ±: Sentezi, Karakterizasyonu ve DSSC UygulamasÄ±. European Journal of Science and Technology, 0, , .	0.5	0
1548	Machine learning assisted prediction of charge transfer properties in organic solar cells by using morphology-related descriptors. Nano Research, 2023, 16, 3588-3596.	5.8	7
1549	Microscopic, Spectroscopic, and Electrochemical Characterization of Novel Semicrystalline Poly(3-hexylthiophene)-Based Dendritic Star Copolymer. Polymers, 2022, 14, 4400.	2.0	1
1550	Toward High-Performance Quinoxaline Based Non-fullerene-Small Molecule Acceptors for Organic Solar Cells. Electronic Materials Letters, 2023, 19, 38-54.	1.0	4
1551	Hierarchical phase separation in all small-molecule organic solar cells. Journal of Nanoparticle Research, 2022, 24, .	0.8	1
1552	Isindigo dyes functionalized with terminal electron-withdrawing groups: Computational, optical and electrical characterization. Dyes and Pigments, 2023, 208, 110866.	2.0	2
1553	Resonant Tender X-ray Scattering of Organic Semiconductors. Accounts of Materials Research, 2023, 4, 16-26.	5.9	3
1554	Panchromatic small-molecule organic solar cells based on a pyrrolopyrrole aza-BODIPY with a small energy loss. Dyes and Pigments, 2023, 210, 111020.	2.0	1
1555	Dithieno[3,2- <i>b&lt;/i&gt;:2â€“3â€“-<i>d&lt;/i&gt;</i>]thiophene (DTT): an emerging heterocyclic building block for future organic electronic materials &amp; functional supramolecular chemistry. RSC Advances, 2022, 12, 36073-36102.</i>	1.7	6
1556	Bionic Assembly of Layered Double Hydroxides Nanosheets and Positively Charged Micelles by Counterions Balance and Their Selective Detection of Mannose. Langmuir, 2022, 38, 14686-14694.	1.6	1
1557	Carbon based hybrid nanomaterials: overview and challenges ahead. Surface, 2022, 14(29), 78-94.	0.4	0
1558	PdSe <sub>2</sub> Quantum Dots for Improving the Photovoltaic Performance of Nonfullerene Organic Solar Cells. Solar Rrl, 2023, 7, .	3.1	4

#	ARTICLE	IF	CITATIONS
1559	The CNDOL Fockian with the configuration interaction of single excited wave functions to model the exciton properties of large molecular systems for photovoltaic devices. <i>Molecular Physics</i> , 2023, 121, .	0.8	1
1560	Substituent-Dependent Photoexcitation Processes of Stacked Ion Pairs. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	2
1561	The role of molecular oxygen (O <sub>2</sub> ) and UV light in the anion radical formation and stability of TCNQ and its fluorinated derivatives. <i>Journal of Analytical Science and Technology</i> , 2023, 14, .	1.0	1
1562	Graphene oxide for photonics, electronics and optoelectronics. <i>Nature Reviews Chemistry</i> , 2023, 7, 162-183.	13.8	92
1563	Covalent Organic Framework Thin-Film Photodetectors from Solution-Processable Porous Nanospheres. <i>Journal of the American Chemical Society</i> , 2023, 145, 1649-1659.	6.6	29
1564	Synthesis, crystal structure, Hirshfeld surface, energy framework, NCI-RDG, theoretical calculations and molecular docking of (Z)-4,4-bis[3-N-ethyl-2-N'-(phenylimino)thiazolidin-4-one]methane. <i>Journal of Molecular Structure</i> , 2023, 1277, 134781.	1.8	5
1565	Electronic Structure and Optoelectronic Properties of a New Polymer Series (N-alkyl 2-pyridone) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50 2022, , 157-173.	0.2	2
1566	Effect of donor groups on the photovoltaic performance of benzothiadiazole-core substituted small molecules for fullerene-based bulk heterojunction organic solar cells. <i>Synthetic Metals</i> , 2023, 294, 117302.	2.1	3
1567	Engineering promising A-D type molecules for efficient organic-based material solar cells. <i>Molecular Simulation</i> , 2023, 49, 433-440.	0.9	1
1568	Structural Engineering and Electronic Properties of Halide-Specific Supramolecular Architectures: Effective for Stabilizing H <sub>2</sub> O <sub>2</sub> and Fabricating Semiconducting Photoresponsive Diodes. <i>Journal of Physical Chemistry C</i> , 2023, 127, 3417-3431.	1.5	3
1569	Synthesis and Unexpected Optical Properties of Ionic Phosphorus Heterocycles with P-Regulated Noncovalent Interactions. <i>Journal of Organic Chemistry</i> , 2023, 88, 2792-2800.	1.7	4
1570	Harnessing the Structure-Performance Relationships in Designing Non-Fused Ring Acceptors for Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	29
1571	Harnessing the Structure-Performance Relationships in Designing Non-Fused Ring Acceptors for Organic Solar Cells. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	2
1572	Nanoengineering Triplet-Triplet Annihilation Upconversion: From Materials to Real-World Applications. <i>ACS Nano</i> , 2023, 17, 3259-3288.	7.3	33
1573	3D-Printed Organic Conjugated Trimer for Visible-Light-Driven Photocatalytic Applications. <i>ChemSusChem</i> , 2023, 16, .	3.6	1
1574	Achieving High-Efficiency in Binary Organic Solar Cells by the Structural Fine-Tuning of Coumarin-Based Donor. <i>Solar Rrl</i> , 2023, 7, .	3.1	5
1575	Influence of the Thiophene Ring on the Molecular Order of Structurally Simple Conjugated Smectogens: <sup>13</sup> C NMR Study. <i>ChemPhysChem</i> , 2023, 24, .	1.0	3
1576	Modulating the Alkylation Position on Terminal Thiophene Ring of Naphtho[2,3-b:6,7-b']-Bithieno[2,3-d:] Thiophene (NBTT) for High-Performance Organic Optoelectronic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2023, 15, 16930-16941.	4.0	2

#	ARTICLE	IF	CITATIONS
1577	Introduction to advanced electronic materials for clean energy applications. , 2023, , 3-26.		2
1578	Theoretical and experimental investigation of bridging atom effect on the fluorene and silafluorene based trimeric monomers and their corresponding polymers. Dyes and Pigments, 2023, 216, 111320.	2.0	1
1579	Comprehensive Understanding of Fluorination-Performance Relationship: The Best-Performed A-D-A-Type Acceptors. Fundamental Research, 2023, , .	1.6	3