

Semiconducting π -Conjugated Systems in Field-Effect Organic Electronics

Chemical Reviews

112, 2208-2267

DOI: 10.1021/cr100380z

Citation Report

#	ARTICLE	IF	CITATIONS
3	Single crystal field-effect transistors containing a pentacene analogue and their application in ethanol vapor detection. <i>Applied Physics Letters</i> , 2012, 101, 103302.	1.5	26
4	Anthradifuran, a Furan Analogue of Pentacene, and Its Isomers, Exhibiting Solid-state Photoluminescence. <i>Chemistry Letters</i> , 2012, 41, 957-959.	0.7	21
5	Diketopyrrolopyrrole-Based π -Conjugated Copolymer Containing β^2 -Unsubstituted Quintetthiophene Unit: A Promising Material Exhibiting High Hole-Mobility for Organic Thin-Film Transistors. <i>Chemistry of Materials</i> , 2012, 24, 4350-4356.	3.2	85
6	Site-selective sequential coupling reactions controlled by α -Electrochemical Reaction Site Switching: a straightforward approach to 1,4-bis(diaryl)buta-1,3-diyne. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9562.	1.5	33
7	Dibenzoannelated Tetrathienoacene: Synthesis, Characterization, and Applications in Organic Field-Effect Transistors. <i>Organic Letters</i> , 2012, 14, 3300-3303.	2.4	52
8	Formation of Self-Assembled Organosilicon-Functionalized Quinquethiophene Monolayers by Fast Processing Techniques. <i>Langmuir</i> , 2012, 28, 16186-16195.	1.6	25
9	Phase Tag-Assisted Synthesis of Benzo[<i>b</i>]carbazole End-Capped Oligothiophenes. <i>Organic Letters</i> , 2012, 14, 5744-5747.	2.4	25
10	Powering up the Future: Radical Polymers for Battery Applications. <i>Advanced Materials</i> , 2012, 24, 6397-6409.	11.1	540
11	Isomers of dialkyl diketo-pyrrolo-pyrrole: Electron-deficient units for organic semiconductors. <i>Organic Electronics</i> , 2012, 13, 2516-2524.	1.4	23
12	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
14	Electronic Properties of Trifluoromethylated Corannulenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11385-11388.	7.2	106
15	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
16	High performance n-type single crystalline transistors of naphthalene bis(dicarboximide) and their anisotropic transport in crystals. <i>Chemical Communications</i> , 2012, 48, 5154.	2.2	38
17	Evaluation of structure-property relationships of solution-processible fullerene acceptors and their n-channel field-effect transistor performance. <i>Journal of Materials Chemistry</i> , 2012, 22, 14976.	6.7	48
18	Fabrication of well-defined crystalline azacalixarene nanosheets assisted by Se-N non-covalent interactions. <i>Chemical Communications</i> , 2012, 48, 7495.	2.2	43
19	Donor-Acceptor Conjugated Polymers with Dithienocarbazoles as Donor Units: Effect of Structure on Semiconducting Properties. <i>Macromolecules</i> , 2012, 45, 8621-8627.	2.2	87
20	A doubly 2,6-pyridylene-bridged porphyrin-perylene-porphyrin triad. <i>Chemical Communications</i> , 2012, 48, 4317.	2.2	16
21	Alkylene-Chain Effect on Microwire Growth and Crystal Packing of π -Moieties. <i>Chemistry of Materials</i> , 2012, 24, 1944-1949.	3.2	45

#	ARTICLE	IF	CITATIONS
22	Isomerically Pure <i>syn</i> -Anthradithiophenes: Synthesis, Properties, and FET Performance. <i>Organic Letters</i> , 2012, 14, 3660-3663.	2.4	81
23	Indolocarbazole-Based Ligands for Ladder-Type Four-Coordinate Boron Complexes. <i>Organic Letters</i> , 2012, 14, 3360-3363.	2.4	69
24	Synthesis and Postfunctionalization of Rod-Coil Diblock and Coil-Rod Coil Triblock Copolymers Composed of Poly(3-hexylthiophene) and Poly(4-(4-dihexylaminophenylethynyl)styrene) Segments. <i>Macromolecules</i> , 2012, 45, 9643-9656.	2.2	45
25	Star-Shaped Oligothiophenes Containing an Isotruxene Core: Synthesis, Electronic Properties, Electropolymerization, and Film Morphology. <i>Macromolecules</i> , 2012, 45, 4529-4539.	2.2	25
26	Laser printing of air-stable high performing organic thin film transistors. <i>Organic Electronics</i> , 2012, 13, 2035-2041.	1.4	28
27	Low band gap polycyclic hydrocarbons: from closed-shell near infrared dyes and semiconductors to open-shell radicals. <i>Chemical Society Reviews</i> , 2012, 41, 7857.	18.7	590
28	Aggregation-free branch-type organic dye with a twisted molecular architecture for dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2012, 5, 8548.	15.6	76
29	Largely π -Extended Thienoacenes with Internal Thieno[3,2- <i>b</i>]thiophene Substructures: Synthesis, Characterization, and Organic Field-Effect Transistor Applications. <i>Organic Letters</i> , 2012, 14, 4914-4917.	2.4	50
30	Electric Bistability Induced by Incorporating Self-Assembled Monolayers/aggregated Clusters of Azobenzene Derivatives in Pentacene-Based Thin-Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5483-5491.	4.0	44
31	Why Triple Bonds Protect Acenes from Oxidation and Decomposition. <i>Journal of the American Chemical Society</i> , 2012, 134, 15071-15082.	6.6	235
32	Synthesis and thin-film transistor performance of benzodipyrrolinone and bithiophene donor-acceptor copolymers. <i>Journal of Materials Chemistry</i> , 2012, 22, 22282.	6.7	35
33	Multifunctional phosphonic acid self-assembled monolayers on metal oxides as dielectrics, interface modification layers and semiconductors for low-voltage high-performance organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14110.	1.3	137
34	Strengthening π - π Interactions While Suppressing C _{sp2} - π (T-Shaped) Interactions via Perfluoroalkylation: A Crystallographic and Computational Study That Supports the Beneficial Formation of 1-D π -Stacked Aromatic Materials. <i>Crystal Growth and Design</i> , 2012, 12, 5655-5662.	1.4	37
35	High-Hole-Mobility Field-Effect Transistors Based on <i>Co</i> -Benzobisthiadiazole-Quaterthiophene. <i>Advanced Materials</i> , 2012, 24, 6164-6168.	11.1	105
36	High-Performance Organic Thin-Film Transistor Based on a Dipolar Organic Semiconductor. <i>Advanced Materials</i> , 2012, 24, 5750-5754.	11.1	41
37	Influence of Alkyl Chain Branching Positions on the Hole Mobilities of Polymer Thin-Film Transistors. <i>Advanced Materials</i> , 2012, 24, 6457-6461.	11.1	542
38	Synthesis and Properties of Bisphosphole-Bridged Ladder Oligophenylenes. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2615-2620.	1.7	25
39	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

#	ARTICLE	IF	CITATIONS
40	Interface engineering for high-performance organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14165.	1.3	85
41	An expedient synthesis of fused heteroacenes bearing a pyrrolo[3,2-b]pyrrole core. <i>Chemical Communications</i> , 2012, 48, 12225.	2.2	62
42	A Computational Study of Semiconducting Benzobisthiazoles: Analysis of the Substituent Effects on the Electronic Structure, Solid-State Interactions, and Charge Transport Properties Using DFT Methods. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22663-22674.	1.5	13
43	New Semiconductors Based on 2,2-Ethyne-1,2-diylbis[3-(alk-1-yn-1-yl)thiophene] for Organic Opto-Electronics. <i>Chemistry of Materials</i> , 2012, 24, 2929-2942.	3.2	50
44	A diketopyrrolopyrrole containing molecular semiconductor: Synthesis, characterization and solution-processed 1D-microwire based electronic devices. <i>Organic Electronics</i> , 2012, 13, 2553-2560.	1.4	31
45	Solvent-vapor induced self-assembly of a conjugated polymer: A correlation between solvent nature and transistor performance. <i>Organic Electronics</i> , 2012, 13, 2372-2378.	1.4	23
46	Charge-Carrier Transport in Thin Films of π -Conjugated Thiopheno-Azomethines. <i>Organic Electronics</i> , 2012, 13, 3022-3031.	1.4	40
47	An easily made thienoacene comprising seven fused rings for ambient-stable organic thin film transistors. <i>Organic Electronics</i> , 2012, 13, 3268-3275.	1.4	18
48	Recent progress of n-type organic semiconducting small molecules for organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14152.	1.3	97
49	Reliable DFT-based estimates of cohesive energies of organic solids: The anthracene crystal. <i>Journal of Chemical Physics</i> , 2012, 137, 194311.	1.2	12
50	Tunable Charge-Transport Properties of C_{80} Endohedral Metallofullerenes: Investigation of $La_2@C_{80}$, $Sc_3N@C_{80}$, and $Sc_3C_2@C_{80}$. <i>Journal of the American Chemical Society</i> , 2012, 134, 11681-11686.	6.6	33
51	Linear and star-shaped pyrazine-containing acene dicarboximides with high electron-affinity. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 7045.	1.5	71
52	A Semiconducting Organic Radical Cationic Host-Guest Complex. <i>ACS Nano</i> , 2012, 6, 9964-9971.	7.3	47
53	Borylation on Benzo[1,2-b:4,5-b']- and Naphtho[1,2-b:5,6-b']dichalcogenophenes: Different Chalcogene Atom Effects on Borylation Reaction Depending on Fused Ring Structure. <i>Organic Letters</i> , 2012, 14, 5448-5451.	2.4	18
54	Self-assembly of chiral amphiphiles with π -conjugated tectons. <i>Science Bulletin</i> , 2012, 57, 4246-4256.	1.7	14
55	N-acylation: an effective method for reducing the LUMO energy levels of conjugated polymers containing five-membered lactam units. <i>Chemical Communications</i> , 2012, 48, 6960.	2.2	74
56	Morphology and field-effect transistor characteristics of semicrystalline poly(3-hexylthiophene) and poly(stearyl acrylate) blend nanowires. <i>Journal of Materials Chemistry</i> , 2012, 22, 14682.	6.7	21
57	High Charge Carrier Mobility, Low Band Gap Donor-Acceptor Benzothiadiazole-oligothiophene Based Polymeric Semiconductors. <i>Chemistry of Materials</i> , 2012, 24, 4123-4133.	3.2	76

#	ARTICLE	IF	CITATIONS
58	Improved ambient operation of n-channel organic transistors of solution-sheared naphthalene diimide under bias stress. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14181.	1.3	40
59	Electronic and Charge Transport Properties of <i>peri</i> -Xanthenoxanthene: The Effects of Heteroatoms and Phenyl Substitutions. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22679-22686.	1.5	43
60	Large-scale, ultra-dense and vertically standing zinc phthalocyanine π - π stacks as a hole-transporting layer on an ITO electrode. <i>Journal of Materials Chemistry</i> , 2012, 22, 23492.	6.7	18
61	Flexible Tactile Sensor Using the Reversible Deformation of Poly(3-hexylthiophene) Nanofiber Assemblies. <i>Langmuir</i> , 2012, 28, 17593-17596.	1.6	84
62	Conjugated Polymers of Rylene Diimide and Phenothiazine for n-Channel Organic Field-Effect Transistors. <i>Macromolecules</i> , 2012, 45, 4115-4121.	2.2	71
63	Incorporating TCNQ into Thiophene-Fused Heptacene for n-Channel Field Effect Transistor. <i>Organic Letters</i> , 2012, 14, 2786-2789.	2.4	27
64	Synthesis, Physical Properties, and Field-Effect Mobility of Isomerically Pure <i>syn</i> -/ <i>anti</i> -Anthradithiophene Derivatives. <i>Organic Letters</i> , 2012, 14, 4062-4065.	2.4	46
65	Metal-Free, Visible-Light-Mediated Direct $C-H$ Arylation of Heteroarenes with Aryl Diazonium Salts. <i>Journal of the American Chemical Society</i> , 2012, 134, 2958-2961.	6.6	701
66	Dithienocoronediimide-Based Copolymers as Novel Ambipolar Semiconductors for Organic Thin-Film Transistors. <i>Advanced Materials</i> , 2012, 24, 3678-3684.	11.1	123
67	Oligo(<i>p</i> -phenyleneethynylene)-Derived Supercellulose Gels with Tunable Emission and Self-Assembled Polymorphic Structures. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2061-2067.	1.7	44
68	1,3,6,8-Tetraazapyrenes: Synthesis, Solid-State Structures, and Properties as Redox-Active Materials. <i>Journal of Organic Chemistry</i> , 2012, 77, 6107-6116.	1.7	44
69	Large scale, flexible organic transistor arrays and circuits based on polyimide materials. <i>Organic Electronics</i> , 2013, 14, 2528-2533.	1.4	60
70	Mild Palladium-Catalyzed Regioselective Direct Arylation of Azoles Promoted by Tetrabutylammonium Acetate. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5621-5630.	1.2	68
71	Synthesis and properties of T-shaped organic conjugates based on 3,6-diarylpyridazine-fused tetrathiafulvalene. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5100.	1.5	13
72	Towards sustainable and versatile energy storage devices: an overview of organic electrode materials. <i>Energy and Environmental Science</i> , 2013, 6, 2280.	15.6	1,213
73	Rational Design of Benzotrithiophene-Diketopyrrolopyrrole-Containing Donor-Acceptor Polymers for Improved Charge Carrier Transport. <i>Advanced Materials</i> , 2013, 25, 5467-5472.	11.1	79
74	Air-stability and bending properties of flexible organic field-effect transistors based on poly[N-9 ^h -heptadecanyl-2,7-carbazole-alt-5,5-(4 ^h ,7 ^h -di-2-thienyl-2 ^h ,1 ^h ,3 ^h -benzothiadiazole)]. <i>Organic Electronics</i> , 2013, 14, 2635-2644.	1.4	37
75	A Directly Linked Ferrocene-Naphthalenediimide Conjugate: Precise Control of Stacking Structures of π -Systems by Redox Stimuli. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9167-9171.	7.2	87

#	ARTICLE	IF	CITATIONS
76	Observation of a Distinct Surface Molecular Orientation in Films of a High Mobility Conjugated Polymer. <i>Journal of the American Chemical Society</i> , 2013, 135, 1092-1101.	6.6	150
77	Alternating Electron Donor–Acceptor Conjugated Polymers Based on Modified Naphthalene Diimide Framework: The Large Enhancement of p-Type Semiconducting Performance upon Solvent Vapor Annealing. <i>Macromolecules</i> , 2013, 46, 5504-5511.	2.2	25
78	Charge-transfer excitation: unconventional yet practical means for controlling stereoselectivity in asymmetric photoreactions. <i>Chemical Society Reviews</i> , 2013, 42, 8122.	18.7	57
79	2-Bromo perylene diimide: synthesis using C–H activation and use in the synthesis of bis(perylene) Tj ETQq1 1 0.784314 rgBT /Over	2.7	34
80	On–Substrate Preparation of an Electroactive Conjugated Polyazomethine from Solution–Processable Monomers and its Application in Electrochromic Devices. <i>Advanced Functional Materials</i> , 2013, 23, 3549-3559.	7.8	60
81	Substitution effects on the electrical transporting properties of tetrathia[22]annulene[2,1,2,1]: experimental and theoretical investigations. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5765.	2.7	15
82	New n-type polymer semiconductors based on naphthalene diimide and selenophene derivatives for organic field-effect transistors. <i>Polymer Chemistry</i> , 2013, 4, 3187.	1.9	73
83	Bisacenaphthopyrazinoquinoxaline derivatives: synthesis, physical properties and applications as semiconductors for n-channel field effect transistors. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5683.	1.5	4
84	Polymeric Thin Films for Organic Electronics: Properties and Adaptive Structures. <i>Materials</i> , 2013, 6, 1159-1190.	1.3	34
85	Polymorph, assembly, luminescence and semiconductor properties of a quinacridone derivative with extended π -conjugated framework. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5548.	2.7	29
86	Oligothiophene–Functionalized Benzene and Tetrathienoanthracene: Effect of Enhanced π -Conjugation on Optoelectronic Properties, Self–Assembly and Device Performance. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5854-5863.	1.2	14
87	Pyromellitic Diimide–Ethynylene-Based Homopolymer Film as an N-Channel Organic Field-Effect Transistor Semiconductor. <i>ACS Macro Letters</i> , 2013, 2, 664-669.	2.3	38
88	Circularly polarized light detection by a chiral organic semiconductor transistor. <i>Nature Photonics</i> , 2013, 7, 634-638.	15.6	773
89	Light–Emitting Electrospun Nanofibers for Nanophotonics and Optoelectronics. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 487-503.	1.7	115
90	An efficient strategy for improving carrier transport performance – Introducing fluorine into aryl substituted tetracene. <i>Organic Electronics</i> , 2013, 14, 1359-1369.	1.4	26
91	25th Anniversary Article: Recent Advances in n–Type and Ambipolar Organic Field–Effect Transistors. <i>Advanced Materials</i> , 2013, 25, 5372-5391.	11.1	608
92	A brief perspective on the evolution of plastic electronics – from highly conducting polymers to conjugated organic semiconductors. <i>Chemical Communications</i> , 2013, 49, 9242.	2.2	9
93	Recent advances in water/alcohol-soluble π -conjugated materials: new materials and growing applications in solar cells. <i>Chemical Society Reviews</i> , 2013, 42, 9071.	18.7	437

#	ARTICLE	IF	CITATIONS
94	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
95	A novel benzodipyrrolidone-based low band gap polymer for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10116.	5.2	30
96	The impact of tetrahedral capping groups and device processing conditions on the crystal packing, thin film features and OFET hole mobility of 7,14-bis(ethynyl)dibenzo[b,def]chrysenes. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6299.	2.7	17
97	Luminescent distyrylbenzenes: tailoring molecular structure and crystalline morphology. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5818.	2.7	377
98	High-resolution direct-writing of metallic electrodes on flexible substrates for high performance organic field effect transistors. <i>Organic Electronics</i> , 2013, 14, 2249-2256.	1.4	41
99	Synthesis and characterization of graft polystyrenes with para-substituted π -conjugated oligo(carbazole) and oligo(carbazole-thiophene) moieties for organic field-effect transistors. <i>Polymer</i> , 2013, 54, 3548-3555.	1.8	10
100	Molecular and Crystal Structure Diversity, and Physical Properties of Tetrathiafulvalene Derivatives Substituted with Various Aryl Groups through Sulfur Bridges. <i>Chemistry - A European Journal</i> , 2013, 19, 12517-12525.	1.7	23
101	Dye Sensitized Solar Cells Made of Polymeric Metal Complexes Containing 1,10-Phenanthroline and Alkylfluorene or Alkoxybenzene: Synthesis, Characterization and Photovoltaic Performance for Dye-Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5893-5901.	1.2	7
102	Diphenyl Derivatives of Dinaphtho[2,3-b:2',3'-f]thieno[3,2-b]thiophene: Organic Semiconductors for Thermally Stable Thin-Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2331-2336.	4.0	80
103	Fusion at the Non-K-Region of Pyrene: An Alternative Strategy To Extend the π -Conjugated Plane of Pyrene. <i>Organic Letters</i> , 2013, 15, 4378-4381.	2.4	29
104	Consecutive Thiophene-Annulation Approach to π -Extended Thienoacene-Based Organic Semiconductors with [1]Benzothieno[3,2-b]thiophene (BTBT) Substructure. <i>Journal of the American Chemical Society</i> , 2013, 135, 13900-13913.	6.6	256
105	Conjugate acene fused buckybowls: evaluating their suitability for p-type, ambipolar and n-type air stable organic semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5039.	1.3	26
106	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
107	Bitrialkylsilylethynyl thienoacenes: synthesis, molecular conformation and crystal packing, and their field-effect properties. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6403.	2.7	6
108	Poly([1,4]Dithiino[2,3-f]Furan): The Synthesis, Electrochemistry, and Optoelectronic Properties of a Furan-Containing Polymer. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1330-1334.	2.0	7
109	Molecular design toward good hole transport materials based on anthra[2,3-c]thiophene: A theoretical investigation. <i>Computational and Theoretical Chemistry</i> , 2013, 1010, 25-31.	1.1	28
110	High-mobility, air stable bottom-contact n-channel thin film transistors based on N,N-ditridecyl perylene diimide. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	18
111	Breathing Some New Life into an Old Topic: Chalcogen-Nitrogen π -Heterocycles as Electron Acceptors. <i>Molecules</i> , 2013, 18, 9850-9900.	1.7	81

#	ARTICLE	IF	CITATIONS
112	Origin and TDDFT Benchmarking of the Plasmon Resonance in Acenes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21466-21475.	1.5	58
113	π-Conjugated Molecules Containing Naphtho[2,3- <i>b</i>]thiophene and Their Derivatives: Theoretical Design for Organic Semiconductors. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10175-10184.	1.5	50
114	An Approach to the Synthesis of Functionalized Polycyclic Aromatic Hydrocarbons. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6038-6041.	1.2	11
115	25th Anniversary Article: Key Points for High-Mobility Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2013, 25, 6158-6183.	11.1	710
116	Low band gap dithienogermolodithiophene copolymers with tunable acceptors and side-chains for organic solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14973.	5.2	31
117	Synthesis, size-dependent optoelectronic and charge transport properties of thieno(bis)imide end-substituted molecular semiconductors. <i>Organic Electronics</i> , 2013, 14, 3089-3097.	1.4	27
118	Perpendicularly entangled perylene diimides for high performance electron transport materials. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7812.	2.7	16
119	Synthesis, characterization, and field-effect transistor performance of naphtho[1,2- <i>b</i> :5,6- <i>b'</i>]dithiophene-based donor-acceptor copolymers. <i>RSC Advances</i> , 2013, 3, 18944.	1.7	12
120	Water-Soluble Cationic Conjugated Polymers: Response to Electron-Rich Bioanalytes. <i>Journal of the American Chemical Society</i> , 2013, 135, 17703-17706.	6.6	54
121	π-Core tailoring for new high performance thieno(bis)imide based n-type molecular semiconductors. <i>Chemical Communications</i> , 2013, 49, 4298-4300.	2.2	27
122	Structural and electronic properties of perylene from first principles calculations. <i>Journal of Chemical Physics</i> , 2013, 138, 094509.	1.2	35
123	Molecular Origin of Isomerization Effects on Solid State Structures and Optoelectronic Properties: A Comparative Case Study of Isomerically Pure Dicyanomethylene Substituted Fused Dithiophenes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16759-16768.	1.5	11
124	Enhanced Solid-State Order and Field-Effect Hole Mobility through Control of Nanoscale Polymer Aggregation. <i>Journal of the American Chemical Society</i> , 2013, 135, 19229-19236.	6.6	194
125	Self-Assembly Properties of Semiconducting Donor-Acceptor-Donor Bithienyl Derivatives of Tetrazine and Thiadiazole: Effect of the Electron Accepting Central Ring. <i>Langmuir</i> , 2013, 29, 14503-14511.	1.6	17
126	Diketopyrrolopyrrole-Thiophene-Benzothiadiazole Random Copolymers: An Effective Strategy To Adjust Thin-Film Crystallinity for Transistor and Photovoltaic Properties. <i>Macromolecules</i> , 2013, 46, 9211-9219.	2.2	52
127	All-donor poly(arylene-ethynylene)s containing anthracene and silole-based units: Synthesis, electronic, and photovoltaic properties. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4860-4872.	2.5	14
128	Organic field-effect transistor sensors: a tutorial review. <i>Chemical Society Reviews</i> , 2013, 42, 8612.	18.7	701
129	Altering regularities on resistances of doped Au-alkanedithiol-Au junctions. <i>Organic Electronics</i> , 2013, 14, 2705-2710.	1.4	16

#	ARTICLE	IF	CITATIONS
130	Airâ€Stable nâ€Channel Organic Single Crystal Fieldâ€Effect Transistors Based on Microribbons of Coreâ€Chlorinated Naphthalene Diimide. <i>Advanced Materials</i> , 2013, 25, 6951-6955.	11.1	161
131	Single-crystal growth of organic semiconductors. <i>MRS Bulletin</i> , 2013, 38, 28-33.	1.7	102
132	Resistive Switching of Tetraaniline Films: From Ultrathin Monolayers to Robust Polymeric Blends. <i>Chemistry of Materials</i> , 2013, 25, 3603-3613.	3.2	7
133	Polymers for electronics and spintronics. <i>Chemical Society Reviews</i> , 2013, 42, 8895.	18.7	370
134	Dynamically Adaptive Characteristics of Resonance Variation for Selectively Enhancing Electrical Performance of Organic Semiconductors. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10491-10495.	7.2	78
135	Crystalline Supramolecular Nanofibers Based on Dehydrobenzoannulene Derivatives. <i>Chemistry - A European Journal</i> , 2013, 19, 15366-15377.	1.7	28
136	Molecular organization in the thin films of chloroaluminium hexadecafluorophthalocyanine revealed by polarized Raman spectroscopy. <i>Thin Solid Films</i> , 2013, 548, 650-656.	0.8	7
137	Designing Ā-conjugated polymers for organic electronics. <i>Progress in Polymer Science</i> , 2013, 38, 1832-1908.	11.8	698
139	High-Mobility n-Type Conjugated Polymers Based on Electron-Deficient Tetraazabenzodifluoranthene Diimide for Organic Electronics. <i>Journal of the American Chemical Society</i> , 2013, 135, 14920-14923.	6.6	140
140	Ambipolar Carrier Injections Governed by Electrochemical Potentials of Ionic Liquids in Electric-Double-Layer Thin-Film Transistors of Lead- and Titanyl-Phthalocyanine. <i>Journal of Physical Chemistry C</i> , 2013, 117, 5552-5557.	1.5	18
141	Control of Polymer-Packing Orientation in Thin Films through Synthetic Tailoring of Backbone Coplanarity. <i>Chemistry of Materials</i> , 2013, 25, 4088-4096.	3.2	206
142	Stereo- and regioselective cyclopolymerization of chiral 1,7-octadiynes. <i>Polymer Chemistry</i> , 2013, 4, 4219.	1.9	22
143	Indium-catalyzed annulation of 3-aryl- and 3-heteroarylindoles with propargyl ethers: synthesis and photoluminescent properties of aryl- and heteroaryl[c]carbazoles. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1456.	1.5	26
144	Beyond Pentacenes: Synthesis and Properties of Higher Acenes. <i>Topics in Current Chemistry</i> , 2013, 349, 1-30.	4.0	37
145	Modulation of singlet and triplet excited states through Āf spacers in ternary 1,3,5-triazines. <i>RSC Advances</i> , 2013, 3, 13782.	1.7	6
146	Conjugated metallorganic macrocycles: opportunities for coordination-driven planarization of bidentate, pyridine-based ligands. <i>Dalton Transactions</i> , 2013, 42, 948-958.	1.6	10
147	Growth control of AgTCNQ nanowire arrays by using a template-assisted electro-deposition method. <i>Journal of Materials Chemistry C</i> , 2013, 1, 8003.	2.7	16
148	A facile synthesis of dithieno[3,2-b:6,7-b]fluorenes via a tandem annulationâ€reduction. <i>RSC Advances</i> , 2013, 3, 17707.	1.7	4

#	ARTICLE	IF	CITATIONS
149	New Group IV Chemical Motifs for Improved Dielectric Permittivity of Polyethylene. <i>Journal of Chemical Information and Modeling</i> , 2013, 53, 879-886.	2.5	34
150	Synthesis and Optoelectronic Properties of 6,12-Bis(amino)anthanthrene Derivatives. <i>Journal of Organic Chemistry</i> , 2013, 78, 12769-12778.	1.7	25
151	Arenedithiocarboxyimide-containing extended π -conjugated systems with high electron affinity. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5373.	2.7	32
152	Mechanisms for the Formation of Acenes from $\hat{\pi}$ -Diketones by Bisdecarbonylation. <i>Journal of Organic Chemistry</i> , 2013, 78, 1851-1857.	1.7	18
153	Self-Assembling Decacyclene Triimides Prepared through a Regioselective Hextuple Friedel-Crafts Carbamylation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1446-1451.	7.2	89
154	The synthesis and ambipolar charge transport properties of 1,2,3,4-tetrafluoropentacene. <i>Tetrahedron Letters</i> , 2013, 54, 903-906.	0.7	13
155	Alimine-Directed Branched-Selective Hydroarylation of Styrenes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1240-1244.	7.2	107
156	Dipyrrolo[2,3-b:2',3'-e]pyrazine-2,6(1H,5H)-dione based conjugated polymers for ambipolar organic thin-film transistors. <i>Chemical Communications</i> , 2013, 49, 484-486.	2.2	48
157	Substituted dibenzo[2,3:5,6]-pyrrolizino[1,7-bc]indolo[1,2,3-lm]carbazoles: a series of new electron donors. <i>Tetrahedron</i> , 2013, 69, 3302-3307.	1.0	15
158	Synthesis and Characterization of Isomerically Pure anti- and syn-Anthradiindole Derivatives. <i>Organic Letters</i> , 2013, 15, 302-305.	2.4	17
159	Coplanar Bithiazole-Centered Heterocyclic Aromatic Fluorescent Compounds Having Different Donor/Acceptor Terminal Groups. <i>Journal of Organic Chemistry</i> , 2013, 78, 2472-2481.	1.7	32
160	Large N -Heteroacenes: New Tricks for Very Old Dogs?. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3810-3821.	7.2	437
163	4,10-Dibromoanthanthrone as a New Building Block for p -Type, n -Type, and Ambipolar π -Conjugated Materials. <i>Chemistry - A European Journal</i> , 2013, 19, 372-381.	1.7	51
164	Convergent Modulation of Singlet and Triplet Excited States of Phosphine-Oxide Hosts through the Management of Molecular Structure and Functional-Group Linkages for Low-Voltage-Driven Electrophosphorescence. <i>Chemistry - A European Journal</i> , 2013, 19, 141-154.	1.7	36
165	Photochromism of diarylethenes containing dithieno[3,2-b:2',3'-d]thiophene. <i>Dyes and Pigments</i> , 2013, 97, 303-310.	2.0	4
166	Dialkoxybithiazole: A New Building Block for Head-to-Head Polymer Semiconductors. <i>Journal of the American Chemical Society</i> , 2013, 135, 1986-1996.	6.6	184
167	One-Dimensional nanostructures. <i>SpringerBriefs in Materials</i> , 2013, , .	0.1	126
168	Influence of alkyl chain on electrochemical and spectroscopic properties of polyselenophenes. <i>Electrochimica Acta</i> , 2013, 87, 438-449.	2.6	19

#	ARTICLE	IF	CITATIONS
169	Charge transport properties in a series of five-ring-fused thienoacenes: A quantum chemistry and molecular mechanic study. <i>Organic Electronics</i> , 2013, 14, 607-620.	1.4	33
170	H-aggregation mode in triple-decker phthalocyaninato-europium semiconductors. Materials design for high-performance air-stable ambipolar organic thin film transistors. <i>Organic Electronics</i> , 2013, 14, 2582-2589.	1.4	46
171	Modular Establishment of a Diketopyrrolopyrrole-Based Polymer Library via Pd-Catalyzed Direct C-H (Hetero)arylation: a Highly Efficient Approach to Discover Low-Bandgap Polymers. <i>Macromolecular Rapid Communications</i> , 2013, 34, 522-527.	2.0	73
172	1,5-, 2,6- and 9,10-distyrylanthracenes as luminescent organic semiconductors. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2817.	2.7	48
173	Efficient pseudo-five-component coupling-Fiessemann synthesis of luminescent oligothiophenes and their modification. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3541.	1.5	24
174	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
175	Azaborine Compounds for Organic Field-Effect Transistors: Efficient Synthesis, Remarkable Stability, and BN Dipole Interactions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3117-3120.	7.2	245
176	Ordering of conjugated polymer molecules: recent advances and perspectives. <i>Polymer Chemistry</i> , 2013, 4, 5197.	1.9	101
177	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
178	New Donor-Acceptor Donor Molecules with Pechmann Dye as the Core Moiety for Solution-Processed Good-Performance Organic Field-Effect Transistors. <i>Chemistry of Materials</i> , 2013, 25, 471-478.	3.2	81
179	Accelerating Ni(ii) precatalyst initiation using reactive ligands and its impact on chain-growth polymerizations. <i>Dalton Transactions</i> , 2013, 42, 4218.	1.6	37
180	Electron-transporting PAHs with dual perylene diimides: syntheses and semiconductive characterizations. <i>Chemical Communications</i> , 2013, 49, 2882.	2.2	30
181	Recent functional material based approaches to prevent and detect counterfeiting. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2388.	2.7	338
182	Core-Brominated Tetraazaperopyrenes as n-Channel Semiconductors for Organic Complementary Circuits on Flexible Substrates. <i>Advanced Functional Materials</i> , 2013, 23, 3866-3874.	7.8	34
183	Molecular evidence for the intermolecular S...S interaction in the surface molecular packing motifs of a fused thiophene derivative. <i>Chemical Communications</i> , 2013, 49, 1829.	2.2	32
184	Red emitting solid state fluorescent triphenylamine dyes: Synthesis, photo-physical property and DFT study. <i>Dyes and Pigments</i> , 2013, 97, 429-439.	2.0	64
185	Optical Spectroscopy and XRD Study of Molecular Orientation, Polymorphism, and Phase Transitions in Fluorinated Vanadyl Phthalocyanine Thin Films. <i>Journal of Physical Chemistry C</i> , 2013, 117, 7097-7106.	1.5	47
186	Tetraazabenzodifluoranthene Diimides: Building Blocks for Solution-Processable n-Type Organic Semiconductors. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5513-5517.	7.2	154

#	ARTICLE	IF	CITATIONS
187	Extended π -Conjugated Molecules Derived from Naphthalene Diimides toward Organic Emissive and Semiconducting Materials. <i>Journal of Organic Chemistry</i> , 2013, 78, 2926-2934.	1.7	48
188	Development of novel synthetic routes to bis(perfluoroalkyl)-substituted anthracene derivatives. <i>RSC Advances</i> , 2013, 3, 6803.	1.7	17
189	Azo containing thiophene based prop-2-enoates for photoalignment of a nematic liquid crystal. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3600.	2.7	27
190	Molecular Level Investigation of the Film Structure of a High Electron Mobility Copolymer via Vibrational Spectroscopy. <i>Macromolecules</i> , 2013, 46, 2658-2670.	2.2	63
191	A heterotriangulene polymer for air-stable organic field-effect transistors. <i>Polymer Chemistry</i> , 2013, 4, 5337.	1.9	25
192	Turning on the Quenched Fluorescence of Azomethines through Structural Modifications. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 2563-2572.	1.2	10
193	Non-functionalized soluble diketopyrrolopyrrole: Simplest p-channel core for organic field-effect transistors. <i>Organic Electronics</i> , 2013, 14, 1396-1406.	1.4	24
194	A converging route towards very high frequency, mechanically flexible, and performance stable integrated electronics. <i>Journal of Applied Physics</i> , 2013, 113, 153701.	1.1	16
195	Integrated Materials Design of Organic Semiconductors for Field-Effect Transistors. <i>Journal of the American Chemical Society</i> , 2013, 135, 6724-6746.	6.6	1,280
196	Nucleophilic <i>ortho</i> -Propargylation of Aryl Sulfoxides: An Interrupted Pummerer/Allenyl Thio-Claisen Rearrangement Sequence. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4008-4011.	7.2	115
197	Monotrimethylene-Bridged Bis- <i>p</i> -phenylenediamine Radical Cations and Dications: Spin States, Conformations, and Dynamics. <i>Journal of Physical Chemistry A</i> , 2013, 117, 1439-1448.	1.1	15
198	Colorless to Purple "Red Switching Electrochromic Anthraquinone Imides with Broad Visible/Near-IR Absorptions in the Radical Anion State: Simulation-Aided Molecular Design. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1497-1503.	1.7	15
200	New alternating electron donor-acceptor conjugated polymers entailing (E)-[4,4'-biimidazolylidene]-5,5'-(1H,1'-H)-dione moieties. <i>Polymer Chemistry</i> , 2013, 4, 5283.	1.9	19
201	Conductance Modulation in Tetraaniline Monolayers by HCl-Doping and by Field-Enhanced Dissociation of H ₂ O. <i>ACS Nano</i> , 2013, 7, 1943-1951.	7.3	11
202	Completely Regioselective Direct C-H Functionalization of Benzo[<i>b</i>]thiophenes Using a Simple Heterogeneous Catalyst. <i>Journal of the American Chemical Society</i> , 2013, 135, 7450-7453.	6.6	160
203	Aggregation-induced emission enhancement based on 11,11,12,12-tetracyano-9,10-anthraquinodimethane. <i>Chemical Communications</i> , 2013, 49, 1199.	2.2	59
204	Toward high-mobility organic field-effect transistors: Control of molecular packing and large-area fabrication of single-crystal-based devices. <i>MRS Bulletin</i> , 2013, 38, 34-42.	1.7	57
205	Thieno[3,2- <i>b</i>]thiophene-Bridged "A Polymer Semiconductor Based on Benzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene and Benzoxadiazole. <i>Macromolecules</i> , 2013, 46, 4805-4812.	2.2	66

#	ARTICLE	IF	CITATIONS
206	Conformational change, intrachain aggregation and photophysical properties of regioregular poly(3- <i>hex</i> ylthiophene) in alkanes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 1288-1297.	2.4	9
207	“Double Exposure Method”: a Novel Photolithographic Process to Fabricate Flexible Organic Field-Effect Transistors and Circuits. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2316-2319.	4.0	24
208	Doping of Fullerenes via Anion-Induced Electron Transfer and Its Implication for Surfactant Facilitated High Performance Polymer Solar Cells. <i>Advanced Materials</i> , 2013, 25, 4425-4430.	11.1	244
209	Effect of Imide Functionalization on the Electronic, Optical, and Charge Transport Properties of Coronene: A Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 825-836.	1.5	52
210	High mobility diketopyrrolopyrrole (DPP)-based organic semiconductor materials for organic thin film transistors and photovoltaics. <i>Energy and Environmental Science</i> , 2013, 6, 1684.	15.6	619
211	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
212	Electron-Deficient Poly(<i>p</i> -phenylene vinylene) Provides Electron Mobility over 1 cm ² V ⁻¹ s ⁻¹ under Ambient Conditions. <i>Journal of the American Chemical Society</i> , 2013, 135, 12168-12171.	6.6	280
213	Conjugated Amplifying Polymers for Optical Sensing Applications. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 4488-4502.	4.0	345
214	Hole Transport Materials Based Thin Films: Topographic Structures and Phase Transition Thermodynamics of Triphenylamine Derivatives. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10919-10928.	1.5	39
215	Effects of Stereoisomerism on the Crystallization Behavior and Optoelectrical Properties of Conjugated Molecules. <i>Advanced Materials</i> , 2013, 25, 3645-3650.	11.1	82
216	Bis(toluene)chromium(I) [1,2,5]Thiadiazolo[3,4- <i>c</i>][1,2,5]thiadiazolidyl and [1,2,5]Thiadiazolo[3,4- <i>b</i>]pyrazinidyl: New Heterospin (<i>S</i> ₁) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 342 Td ($S=1$). <i>Chemical Communications</i> , 2013, 6654-6663.	1.9	35
217	Structure-Property Relationship of Perylene Bisimide Macrocycles Probed by Atomic Force Microscopy and Single-Molecule Fluorescence Spectroscopy. <i>ACS Nano</i> , 2013, 7, 5064-5076.	7.3	36
218	Influences of the Non-Covalent Interaction Strength on Reaching High Solid-State Order and Device Performance of a Low Bandgap Polymer with Axisymmetrical Structural Units. <i>Advanced Materials</i> , 2013, 25, 2445-2451.	11.1	129
219	Solution-Processable Highly Conducting Fullerenes. <i>Advanced Materials</i> , 2013, 25, 2457-2461.	11.1	130
220	3,6-Dithiophen-2-yl-diketopyrrolo[3,2- <i>b</i>]pyrrole (isoDPPT) as an Acceptor Building Block for Organic Opto-Electronics. <i>Macromolecules</i> , 2013, 46, 3895-3906.	2.2	62
221	Organic transistor and inverter based on assembly of organic nanowires achieved by optimizing surface morphology. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	13
222	Solid State Assemblies and Photophysical Characteristics of Linear and Bent-Core π -Conjugated Oligophenylenevinylenes. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5578-5591.	4.0	20
223	Low-Temperature, Bottom-Up Synthesis of Graphene via a Radical-Coupling Reaction. <i>Journal of the American Chemical Society</i> , 2013, 135, 9050-9054.	6.6	63

#	ARTICLE	IF	CITATIONS
224	Efficient Charge Generation and Collection in Amorphous Polymer-Based Solar Cells. <i>Journal of Physical Chemistry C</i> , 2013, 117, 11514-11521.	1.5	19
225	Effect of a furan π -bridge on polymer coplanarity and performance in organic field effect transistors. <i>Polymer Chemistry</i> , 2013, 4, 4199.	1.9	18
226	Solvent-Dispersed Benzothiadiazole-Tetrathiafulvalene Single-Crystal Nanowires and Their Application in Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2320-2324.	4.0	26
227	One-shot indole-to-carbazole π -extension by a Pd-Cu-Ag trimetallic system. <i>Chemical Science</i> , 2013, 4, 3416.	3.7	143
228	Synthesis of alkyloxy stilbenes by one-pot O-alkylation-Wittig and O-alkylation-Wittig-Heck reaction sequence. <i>Tetrahedron Letters</i> , 2013, 54, 80-84.	0.7	13
229	Pd-catalyzed oxidative cross-coupling between two electron rich heteroarenes. <i>Chemical Science</i> , 2013, 4, 3508.	3.7	40
230	Oligofuran-containing molecules for organic electronics. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4358.	2.7	77
231	An Efficient Approach to the Synthesis of Novel Pyrene-Fused Azaacenes. <i>Organic Letters</i> , 2013, 15, 3594-3597.	2.4	48
232	Solution-processable n-type and ambipolar semiconductors based on a fused cyclopentadithiophenebis(dicyanovinylene) core. <i>Chemical Communications</i> , 2013, 49, 7135.	2.2	25
233	Supramolecular self-assemblies as functional nanomaterials. <i>Nanoscale</i> , 2013, 5, 7098.	2.8	610
234	Bridgehead Imine Substituted Cyclopentadithiophene Derivatives: An Effective Strategy for Band Gap Control in Donor-Acceptor Polymers. <i>Macromolecules</i> , 2013, 46, 1337-1342.	2.2	51
235	N-Alkyl substituted di(perylene bisimides) as air-stable electron transport materials for solution-processible thin-film transistors with enhanced performance. <i>Journal of Materials Chemistry C</i> , 2013, 1, 3200.	2.7	42
236	Naphtho[1,2-b:5,6-b']dithiophene-Based Donor-Acceptor Copolymer Semiconductors for High-Mobility Field-Effect Transistors and Efficient Polymer Solar Cells. <i>Macromolecules</i> , 2013, 46, 3358-3366.	2.2	75
237	Ethynylene-Linked Donor-Acceptor Alternating Copolymers. <i>Macromolecules</i> , 2013, 46, 3367-3375.	2.2	57
238	Synthesis, Properties, and Structures of Functionalized peri-Xanthenoxanthene. <i>Organic Letters</i> , 2013, 15, 2382-2385.	2.4	42
239	High Performance Nanocrystals of a Donor-Acceptor Conjugated Polymer. <i>Chemistry of Materials</i> , 2013, 25, 2649-2655.	3.2	64
240	A Dicyanomethylene-Substituted Triangulene: Effects of Molecular-Symmetry Reduction and Electron-Accepting Substituents on a Fused Polycyclic Neutral π -Radical System. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2057-2063.	1.7	15
241	Intermolecular interactions in organic semiconductors based on annelated β -oligothiophenes and their effect on the performance of organic field-effect transistors. <i>Organic Electronics</i> , 2013, 14, 934-941.	1.4	24

#	ARTICLE	IF	CITATIONS
242	Analysis of the association constants for charge-transfer complex formation. <i>Journal of Molecular Structure</i> , 2013, 1033, 131-136.	1.8	4
243	Benzo[1,2-b:4,5-b [′]]dithiophene-Based Cruciforms: Syntheses, Crystal Structures, and Charge Transport Properties. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 663-671.	4.0	17
244	Organic electronics: Material aspects, devices and microelectronic applications. , 2013, , .		1
245	Benzo[<i>i</i>]-thiophene-Fused Boron and Silicon Ladder Acenes. <i>Organometallics</i> , 2013, 32, 6820-6826.	1.1	27
246	Obtaining the lattice energy of the anthracene crystal by modern yet affordable first-principles methods. <i>Journal of Chemical Physics</i> , 2013, 138, 204304.	1.2	17
247	Hybrid Phototransistors Based on Bulk Heterojunction Films of Poly(3-hexylthiophene) and Zinc Oxide Nanoparticle. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1385-1392.	4.0	75
248	Electronic Properties and Field-Effect Transistors of Oligomers End-Capped with Benzofuran Moieties. <i>ChemPlusChem</i> , 2013, 78, 459-466.	1.3	16
249	Azobenzene-Functionalized Gold Nanoparticles as Hybrid Double-Floating-Gate in Pentacene Thin-Film Transistors/Memories with Enhanced Response, Retention, and Memory Windows. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9528-9536.	4.0	36
250	A BDOPV-Based Donor-Acceptor Polymer for High-Performance n-Type and Oxygen-Doped Ambipolar Field-Effect Transistors. <i>Advanced Materials</i> , 2013, 25, 6589-6593.	11.1	172
251	Graphene as a Target for Polymer Synthesis. <i>Advances in Polymer Science</i> , 2013, , 61-92.	0.4	12
252	Effect of the Side-Chain Distribution Density on the Single-Conjugated Polymer Chain Conformation. <i>ChemPhysChem</i> , 2013, 14, 4143-4148.	1.0	28
253	High Performance Photoswitches Based on Flexible and Amorphous A Polymer Nanowires. <i>Small</i> , 2013, 9, 294-299.	5.2	25
254	Optoelectronic and structural properties of a family of thiophene functionalized 1,5-dithia-2,4,6,8-tetrazocines. <i>RSC Advances</i> , 2013, 3, 23438.	1.7	6
255	Structure and Morphology Control in Thin Films of Conjugated Polymers for an Improved Charge Transport. <i>Polymers</i> , 2013, 5, 1272-1324.	2.0	88
256	Organic Nanomaterials. , 2013, , 905-940.		5
257	Disk-Shaped Colloids: The Synthesis and Applications of ZrP Crystals. <i>Advanced Materials Research</i> , 0, 787, 177-183.	0.3	1
259	Defect states and their energetic position and distribution in organic molecular semiconductors. <i>Applied Physics Letters</i> , 2013, 102, 143301.	1.5	32
260	Low-temperature solution-processed alumina as gate dielectric for reducing the operating-voltage of organic field-effect transistors. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	31

#	ARTICLE	IF	CITATIONS
262	Hysteresis mechanism and control in pentacene organic field-effect transistors with polymer dielectric. <i>AIP Advances</i> , 2013, 3, .	0.6	35
263	Electronic transport in sub-micron square area organic field-effect transistors. <i>Applied Physics Letters</i> , 2013, 102, 103301.	1.5	2
264	Structural Transformation between Supramolecular Nanofibers with Drastic Change of Conductivity by Heat and Ultrasound. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1372-1376.	1.7	13
265	Indium-catalyzed Annulation of Indoles with Ethyl (2-Ethynylaryl)methyl Carbonates: Synthesis and Photoluminescent Properties of Aryl- and Heteroaryl[<i>b</i>]carbazoles. <i>Chemistry Letters</i> , 2013, 42, 1170-1172.	0.7	14
266	Quinoxaline derivatives with broadened absorption patterns. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5866.	1.5	28
267	Poly(2,7-carbazole) derivative based air stable and flexible organic field effect transistor. , 2013, , .		2
268	Solvent Additive to Achieve Highly Ordered Nanostructural Semicrystalline DPP Copolymers: Toward a High Charge Carrier Mobility. <i>Advanced Materials</i> , 2013, 25, 7003-7009.	11.1	71
271	ABAB-Symmetric Tetraalkyl Titanyl Phthalocyanines for Solution Processed Organic Field-Effect Transistors with Mobility Approaching $1 \text{ cm}^2/\text{Vs}^2$. <i>Advanced Materials</i> , 2013, 25, 1165-1169.	11.1	38
273	High-Performance Organic Field-Effect Transistors Based on Single and Large-Area Aligned Crystalline Microribbons of 6,13-Dichloropentacene. <i>Advanced Materials</i> , 2013, 25, 2229-2233.	11.1	63
274	Synthesis and Crystal Structures of 5,15-bis(triisopropylsilylethynyl)-tetrabenzoporphyrins. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2013, 26, 213-216.	0.1	8
275	Thermal inkjet printing of copper tetrasulfonated phthalocyanine (CuTsPc) as a semiconducting layer on flexible MIS capacitors. <i>Materials Research</i> , 2014, 17, 1466-1473.	0.6	2
276	Aryl substitution of pentacenes. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1692-1705.	1.3	11
277	Synthesis and characterization of poly(3-hexylthiophene)-poly(3-hexyloxythiophene) random copolymers with tunable band gap via Grignard metathesis polymerization. <i>Polymer International</i> , 2014, 63, 2068-2075.	1.6	14
278	Enhancement of the Photoresponse in Organic Field-Effect Transistors by Incorporating Thin DNA Layers. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 244-249.	7.2	17
279	Alternating Copolymers Incorporating Dithienogemolodithiophene for Field-Effect Transistor Applications. <i>Macromolecules</i> , 2014, 47, 8602-8610.	2.2	23
280	QSPR modelling of dielectric constants of π -conjugated organic compounds by means of the CORAL software. <i>SAR and QSAR in Environmental Research</i> , 2014, 25, 507-526.	1.0	41
281	New Alkoxy-Functionalized Naphthodithiophene-Based Semiconducting Oligomers and Polymers. <i>Israel Journal of Chemistry</i> , 2014, 54, 796-816.	1.0	0
282	Inkjet Printed Poly(3-hexylthiophene) Thin-Film Transistors: Effect of Self-Assembled Monolayer. <i>Molecular Crystals and Liquid Crystals</i> , 2014, 593, 201-213.	0.4	2

#	ARTICLE	IF	CITATIONS
283	Conjugated Polymer–Fullerene Covalent Hybrids via Ambient Conditions Diels–Alder Ligation. <i>Small</i> , 2014, 10, 3091-3098.	5.2	16
284	Benzodithiophene and benzotrithiophene-based conjugated polymers for organic thin-film transistors application: Impact of conjugated- and acyl-side chain. <i>Organic Electronics</i> , 2014, 15, 2608-2615.	1.4	11
285	Transient space-charge-perturbed currents of N,N-diphenyl-N-bis(1-naphthyl)-1,1-biphenyl-4,4-diamine and N,N-diphenyl-N-bis(3-methylphenyl)-1,1-biphenyl-4,4-diamine in diode structures. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	4
286	Copolymers of benzo[1,2-b:4,5-b']dithiophene and bithiazole for high-performance thin film phototransistors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9505-9511.	2.7	25
287	Sequence Matters: Determining the Sequence Effect of Electronic Structure Properties in Conjugated Polymers. <i>ACS Symposium Series</i> , 2014, , 379-393.	0.5	4
288	Theoretical study of stability and charge-transport properties of coronene molecule and some of its halogenated derivatives: A path to ambipolar organic-based materials?. <i>Journal of Chemical Physics</i> , 2014, 141, 134708.	1.2	26
290	Narrower Bands with Better Charge Transport: The Counterintuitive Behavior of Semiconducting Copolymers. <i>Advanced Materials</i> , 2014, 26, 7627-7631.	11.1	28
291	Biaxial aromatics with face-on/edge-on stacking adaptability: an STM/STS study of 1D nanowires assembled via rotatable ethynyls. <i>Chemical Communications</i> , 2014, 50, 14093-14096.	2.2	14
292	Breakdown mechanisms and reverse current-voltage characteristics of organic bulk heterojunction solar cells and photodetectors. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	7
293	Selenium in Diketopyrrolopyrrole-based Polymers: Influence on Electronic Properties and Charge Carrier Mobilities. <i>Israel Journal of Chemistry</i> , 2014, 54, 817-827.	1.0	6
294	Ethynylene-Linked Oligomers Based on Benzodithiophene: Synthesis and Photoelectric Properties. <i>Chinese Journal of Chemistry</i> , 2014, 32, 298-306.	2.6	6
295	Effect of Side Chains on Charge Transport of Anthracene-Based PPE–PPV Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 452-457.	1.1	4
296	Fluorescence Sensing of Amine Vapors Using a Cationic Conjugated Polymer Combined with Various Anions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9792-9796.	7.2	96
297	Novel wide band-gap polymer utilizing fused hetero-aromatic unit for efficient polymer solar cells and field-effect transistors. <i>Polymer</i> , 2014, 55, 6708-6716.	1.8	30
298	Functionalized thienoacridines: synthesis, optoelectronic, and structural properties. <i>Canadian Journal of Chemistry</i> , 2014, 92, 1106-1110.	0.6	7
300	Reductive Ring Closure Methodology toward Heteroacenes Bearing a Dihydropyrrolo[3,2-b]pyrrole Core: Scope and Limitation. <i>Journal of Organic Chemistry</i> , 2014, 79, 11339-11348.	1.7	28
302	peri Annulation of Perimidines in Reactions with 1,3-Dicarbonyl Compounds*. <i>Chemistry of Heterocyclic Compounds</i> , 2014, 50, 1298-1304.	0.6	9
303	Molecular Packing-Induced Transition between Ambipolar and Unipolar Behavior in Dithiophene-Containing Organic Semiconductors. <i>Advanced Functional Materials</i> , 2014, 24, 2907-2915.	7.8	31

#	ARTICLE	IF	CITATIONS
304	Synthesis, Properties, and nâ€Type Transistor Characteristics of ï€€Conjugated Compounds Having a Carbonylâ€Bridged Thiazoleâ€Fused Polycyclic System. <i>Chemistry - A European Journal</i> , 2014, 20, 16509-16515.	1.7	8
305	Conjugated Polymer Patterning through Photooxidative Backbone Cleavage. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1116-1120.	2.0	5
306	Planar supramolecular systems based on geometrical isomers of crown-containing oligothiophenes. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2014, 50, 557-569.	0.3	2
307	Vectorial Diffusion for Facile Solutionâ€Processed Selfâ€Assembly of Insoluble Semiconductors: A Case Study on Metal Phthalocyanines. <i>Chemistry - A European Journal</i> , 2014, 20, 10990-10995.	1.7	8
308	Understanding the Electronic Structure of Larger Azaacenes through DFT Calculations. <i>Israel Journal of Chemistry</i> , 2014, 54, 699-702.	1.0	7
309	Organic ferroelectric gate field-effect transistor memory using high-mobility rubrene thin film. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 04ED11.	0.8	17
310	Development of high-performance printed polymer field-effect transistors for flexible display. <i>Journal of Information Display</i> , 2014, 15, 213-229.	2.1	12
311	Tunable dielectric constant of polyimideâ€barium titanate nanocomposite materials as the gate dielectrics for organic thin film transistor applications. <i>RSC Advances</i> , 2014, 4, 62132-62139.	1.7	17
313	Recent advances in organic field effect transistors. <i>Turkish Journal of Physics</i> , 2014, 38, 497-508.	0.5	6
314	Side Chain Engineering in Solution-Processable Conjugated Polymers. <i>Chemistry of Materials</i> , 2014, 26, 604-615.	3.2	932
315	Effects of fluorination on the properties of thieno[3,2-b]thiophene-bridged donorâ€ï€€acceptor polymer semiconductors. <i>Polymer Chemistry</i> , 2014, 5, 502-511.	1.9	55
316	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
317	Dialkylated dibenzotetrathienoacene derivative as semiconductor for organic field effect transistors. <i>Organic Electronics</i> , 2014, 15, 156-161.	1.4	10
318	The effect of intermolecular interactions on the charge transport properties of thiazole/thiophene-based oligomers with trifluoromethylphenyl. <i>Journal of Molecular Graphics and Modelling</i> , 2014, 51, 79-85.	1.3	5
319	Fluorinated 1,8-naphthalimides: Synthesis, solid structure and properties. <i>Chinese Chemical Letters</i> , 2014, 25, 1399-1402.	4.8	13
320	Synthesis, optical, and electrochemical properties of 2,3-diphenyl-10H-indeno[1,2-g]quinoxaline, 15H-dibenzo[a,c]indeno[1,2-i]phenazine, and 15H-indeno[1,2-i]phenanthro[4,5-abc]phenazine derivatives. <i>Dyes and Pigments</i> , 2014, 109, 54-66.	2.0	8
321	Study of carrier transport in flexible organic field-effect transistors: Analysis of bending effect and microscopic observation using electric-field-induced optical second-harmonic generation. <i>Thin Solid Films</i> , 2014, 554, 166-169.	0.8	14
322	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
323	Synthesis, characterization and semiconducting properties of oligo(2,6-naphthalene)s. <i>Organic Electronics</i> , 2014, 15, 1088-1095.	1.4	5
324	Flexible organic field-effect transistors based on electrospun conjugated polymer nanofibers with high bending stability. <i>Organic Electronics</i> , 2014, 15, 1056-1061.	1.4	21
325	Roles of Flexible Chains in Organic Semiconducting Materials. <i>Chemistry of Materials</i> , 2014, 26, 594-603.	3.2	436
326	Conjugated Molecules Crosslinked Graphene-Based Ultrathin Films and Their Tunable Performances in Organic Nanoelectronics. <i>Advanced Functional Materials</i> , 2014, 24, 543-554.	7.8	26
327	Building Blocks for Organic Electronics: Revaluation of Inductive and Resonance Effects of Electron Deficient Units. <i>Chemistry of Materials</i> , 2014, 26, 587-593.	3.2	211
328	Solution-Processable n-Type Semiconductors Based on Unsymmetrical Naphthalene Imides: Synthesis, Characterization, and Applications in Field-Effect Transistors. <i>Chemistry - an Asian Journal</i> , 2014, 9, 253-260.	1.7	17
329	Conformation Locked Strong Electron-Deficient Poly(<i>p</i> -Phenylene Vinylene) Derivatives for Ambient-Stable n-Type Field-Effect Transistors: Synthesis, Properties, and Effects of Fluorine Substitution Position. <i>Journal of the American Chemical Society</i> , 2014, 136, 2135-2141.	6.6	300
330	Synthesis, Photophysical Properties, and Self-Organization of Difurobenzosilole Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 1880-1885.	1.0	12
331	Design, Synthesis, and Structure-Property Relationships of Isoindigo-Based Conjugated Polymers. <i>Accounts of Chemical Research</i> , 2014, 47, 1117-1126.	7.6	370
332	Syntheses and Properties of Nine-Ring-Fused Linear Thienoacenes. <i>Journal of Organic Chemistry</i> , 2014, 79, 1138-1144.	1.7	20
333	A swivel-cruciform thiophene based hole-transporting material for efficient perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6305-6309.	5.2	167
334	Effect of Backbone Regioregularity on the Structure and Orientation of a Donor-Acceptor Semiconducting Copolymer. <i>Macromolecules</i> , 2014, 47, 1403-1410.	2.2	76
335	Novel thiophene-substituted tetrathia[22]annulenes[2,1,2,1]: synthesis, physical properties, and improvement in field-effect behavior. <i>Tetrahedron</i> , 2014, 70, 1872-1879.	1.0	6
336	Recent progress in metal-organic complexes for optoelectronic applications. <i>Chemical Society Reviews</i> , 2014, 43, 3259-3302.	18.7	996
337	Pd/C as a Catalyst for Completely Regioselective C-H Functionalization of Thiophenes under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1809-1813.	7.2	170
338	Flexible Routes to Thiophenes. <i>Organic Letters</i> , 2014, 16, 302-305.	2.4	33
339	Crystal growth and characterization of fluorinated perylene diimides. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 63-67.	1.3	4
340	A Cruciform Electron Donor-Acceptor Semiconductor with Solid-State Red Emission: 1D/2D Optical Waveguides and Highly Sensitive/Selective Detection of H ₂ S Gas. <i>Advanced Functional Materials</i> , 2014, 24, 4250-4258.	7.8	96

#	ARTICLE	IF	CITATIONS
341	Influence of Spiral Framework on Nonlinear Optical Materials. <i>ChemPhysChem</i> , 2014, 15, 929-934.	1.0	10
342	Hybridization of a Flexible Cyclooctatetraene Core and Rigid Aceneimide Wings for Multiluminescent Flapping π -Systems. <i>Chemistry - A European Journal</i> , 2014, 20, 2193-2200.	1.7	82
343	Enhancing the Performance of Solution-Processed n -Type Organic Field-Effect Transistors by Blending with Molecular π -Aligners. <i>Advanced Materials</i> , 2014, 26, 1223-1228.	11.1	26
344	Synthesis of Dibenzophosphole Oxides <i>via</i> Palladium-Catalyzed Intramolecular Direct Arylation Reactions of <i>ortho</i> -Halodiarlylphosphine Oxides. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1217-1222.	2.1	19
345	High Performance Organic Transistors Using Small Molecule Semiconductors and High Permittivity Semiconducting Polymers. <i>Advanced Functional Materials</i> , 2014, 24, 3067-3074.	7.8	16
346	Benzothienobenzothiophene-Based Conjugated Oligomers as Semiconductors for Stable Organic Thin-Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5255-5262.	4.0	17
347	π -Regioselective Deposition-Method to Pattern Silver Electrodes Facilely and Efficiently with High Resolution: Towards All-Solution-Processed, High-Performance, Bottom-Contacted, Flexible, Polymer-Based Electronics. <i>Advanced Functional Materials</i> , 2014, 24, 3783-3789.	7.8	29
348	On-Top π -Stacking of Quasipolar Molecules in Hole-Transporting Materials: Inducing Anisotropic Carrier Mobility in Amorphous Films. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5800-5804.	7.2	87
349	Tuning of Electrical Conductivity by Photoirradiation and Electric Fields. <i>Journal of Physical Chemistry C</i> , 2014, 118, 7251-7260.	1.5	13
350	Extended Conjugated Donor-Acceptor Molecules with <i>E</i> -(1,2-Difluorovinyl) and Diketopyrrolopyrrole (DPP) Moieties toward High-Performance Ambipolar Organic Semiconductors. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1068-1075.	1.7	29
351	A Straightforward Strategy toward Large BN-Embedded π -Systems: Synthesis, Structure, and Optoelectronic Properties of Extended BN Heterosuperbenzenes. <i>Journal of the American Chemical Society</i> , 2014, 136, 3764-3767.	6.6	273
352	Synthesis and Properties of Semiconducting Bispyrrolothiophenes for Organic Field-Effect Transistors. <i>Chemistry - A European Journal</i> , 2014, 20, 5938-5945.	1.7	23
353	High-performance, low-operating voltage, and solution-processable organic field-effect transistor with silk fibroin as the gate dielectric. <i>Applied Physics Letters</i> , 2014, 104, 023302.	1.5	34
354	Novel functional sulfur-bridged neutral annulene: Structure, physical properties and progress on field-effect performance. <i>Dyes and Pigments</i> , 2014, 107, 21-28.	2.0	3
355	Helical Self-Assemblies of Segmented Poly(phenylenevinylene)s and Their Hierarchical Donor-Acceptor Complexes. <i>Macromolecules</i> , 2014, 47, 2592-2603.	2.2	16
356	Alkoxy-Functionalized Thienyl-Vinylene Polymers for Field-Effect Transistors and All-Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2014, 24, 2782-2793.	7.8	83
357	Synthesis, Characterization, and Non-Volatile Memory Device Application of an <i>N</i> -Substituted Heteroacene. <i>Chemistry - an Asian Journal</i> , 2014, 9, 779-783.	1.7	123
358	New Synthetic Routes towards Soluble and Dissymmetric Triphenodioxazine Dyes Designed for Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2014, 20, 3678-3688.	1.7	18

#	ARTICLE	IF	CITATIONS
359	Combining Electronic and Steric Effects for Highly Stable Unsymmetric Pentacenes. Chemistry - A European Journal, 2014, 20, 5880-5884.	1.7	21
360	A highly efficient and recyclable ligand-free protocol for the Suzuki coupling reaction of potassium aryltrifluoroborates in water. Green Chemistry, 2014, 16, 2185.	4.6	42
361	Development of a Suzuki Cross-Coupling Reaction between 2-Azidoarylboronic Pinacolate Esters and Vinyl Triflates To Enable the Synthesis of [2,3]-Fused Indole Heterocycles. Journal of Organic Chemistry, 2014, 79, 2781-2791.	1.7	40
362	Computational investigation of charge injection and transport properties of a series of thiophene-pyrrole based oligo-azomethines. Physical Chemistry Chemical Physics, 2014, 16, 8563.	1.3	61
363	Polymorphism in Crystalline Microfibers of Achiral Octithiophene: The Effect on Charge Transport, Supramolecular Chirality and Optical Properties. Advanced Functional Materials, 2014, 24, 4943-4951.	7.8	21
364	What Currently Limits Charge Carrier Mobility in Crystals of Molecular Semiconductors?. Israel Journal of Chemistry, 2014, 54, 595-620.	1.0	97
365	The effect of heteroatom conformation on optoelectronic properties of cyclopentadithiophene derivatives. Organic and Biomolecular Chemistry, 2014, 12, 2474-2478.	1.5	15
366	Charge transport and optical properties of cross-conjugated organic molecules: A theoretical study. Organic Electronics, 2014, 15, 1607-1623.	1.4	15
367	Organic Thermoelectric Materials: Emerging Green Energy Materials Converting Heat to Electricity Directly and Efficiently. Advanced Materials, 2014, 26, 6829-6851.	11.1	773
368	Advances in Star-Shaped π -Conjugated Systems: Properties and Applications. Macromolecular Rapid Communications, 2014, 35, 1006-1032.	2.0	52
369	High-Performance Organic Thin-Film Transistors of J-Stacked Squaraine Dyes. Journal of the American Chemical Society, 2014, 136, 2351-2362.	6.6	111
370	Highly Coplanar Very Long Oligo(alkylfuran)s: A Conjugated System with Specific Head-To-Head Defect. Journal of the American Chemical Society, 2014, 136, 2592-2601.	6.6	67
371	Alternating Conjugated Electron Donor-Acceptor Polymers Entailing Pechmann Dye Framework as the Electron Acceptor Moieties for High Performance Organic Semiconductors with Tunable Characteristics. Macromolecules, 2014, 47, 2899-2906.	2.2	54
372	Sequential Direct S_NAr Reactions of Pentafluorobenzenes with Azole or Indole Derivatives. Organic Letters, 2014, 16, 3130-3133.	2.4	32
373	Leveraging the Ambipolar Transport in Polymeric Field-Effect Transistors via Blending with Liquid-Phase Exfoliated Graphene. Advanced Materials, 2014, 26, 4814-4819.	11.1	27
374	Locked Planarity: A Strategy for Tailoring Ladder-Type π -Conjugated Anilino-pyridine Boron Difluorides. Journal of Organic Chemistry, 2014, 79, 459-464.	1.7	25
375	Fabrication of ultra-flexible, ultra-thin organic field-effect transistors and circuits by a peeling-off method. Journal of Materials Chemistry C, 2014, 2, 1260-1263.	2.7	27
376	Rubrene analogues with the aggregation-induced emission enhancement behaviour. Journal of Materials Chemistry C, 2014, 2, 884-890.	2.7	22

#	ARTICLE	IF	CITATIONS
377	Impact of N-substitution of a carbazole unit on molecular packing and charge transport of DPP-carbazole copolymers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1683.	2.7	17
378	Easily solution-processed, high-performance microribbon transistors based on a 2D condensed benzothiophene derivative. <i>Chemical Communications</i> , 2014, 50, 442-444.	2.2	38
379	Gold(i) mediated rearrangement of [7]-helicene to give a benzo[cd]pyrenium cation embedded in a chiral framework. <i>Chemical Communications</i> , 2014, 50, 5251-5253.	2.2	10
380	A bowl-shaped molecule for organic field-effect transistors: crystal engineering and charge transport switching by oxygen doping. <i>Chemical Science</i> , 2014, 5, 1041-1045.	3.7	101
381	Isoindigo, a Versatile Electron-Deficient Unit For High-Performance Organic Electronics. <i>Chemistry of Materials</i> , 2014, 26, 664-678.	3.2	319
382	Synthesis and properties of B,N-bridged p-terphenyls. <i>Chemical Communications</i> , 2014, 50, 782-784.	2.2	31
383	Synthesis and characterization of solution processable 6,11-dialkynyl substituted indeno[1,2-b]anthracenes. <i>Dyes and Pigments</i> , 2014, 100, 104-117.	2.0	8
384	Ni(II)-salt catalyzed activation of primary amine-sp ³ C _{sub>1±</sub>-H and cyclization with 1,2-diketone to tetrasubstituted imidazoles. <i>Chemical Communications</i>, 2014, 50, 2477-2480.}	2.2	49
385	Solution-Processed Small Molecule Donor/Acceptor Blends for Electrical Memory Devices with Fine-Tunable Storage Performance. <i>Journal of Physical Chemistry C</i> , 2014, 118, 2154-2160.	1.5	31
386	Synthesis and characterization of low band gap thiadiazolobenzo-imidazole chromophores. <i>Synthetic Metals</i> , 2014, 189, 26-33.	2.1	5
387	Synthesis of a thiophene-fused isoindigo derivative: a potential building block for organic semiconductors. <i>Tetrahedron Letters</i> , 2014, 55, 1040-1044.	0.7	18
388	Recent developments on isoindigo-based conjugated polymers. <i>Polymer Chemistry</i> , 2014, 5, 3298-3305.	1.9	132
389	Rational Design of Lamellar π-π Stacked Organic Crystalline Materials with Short Interplanar Distance. <i>Crystal Growth and Design</i> , 2014, 14, 350-356.	1.4	43
390	Synthesis, Structure, and Opto-electronic Properties of Regioisomeric Pyrene-Thienoacenes. <i>Organic Letters</i> , 2014, 16, 342-345.	2.4	71
391	Cyano-Substituted Perylene Diimides with Linearly Correlated LUMO Levels. <i>Organic Letters</i> , 2014, 16, 394-397.	2.4	65
392	Synthesis and Characterization of Angular-Shaped Naphtho[1,2-b;5,6-b']difuran-Diketopyrrolopyrrole-Containing Copolymers for High-Performance Organic Field-Effect Transistors. <i>Macromolecules</i> , 2014, 47, 616-625.	2.2	39
393	An electron deficient dicyanovinylene-ladder-type pentaphenylene derivative for n-type organic field effect transistors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3292-3302.	2.7	25
394	Synthesis of an H-aggregated thiophene-phthalimide based small molecule via microwave assisted direct arylation coupling reactions. <i>Dyes and Pigments</i> , 2014, 102, 204-209.	2.0	23

#	ARTICLE	IF	CITATIONS
395	Development of n-type organic semiconductors for thin film transistors: a viewpoint of molecular design. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3099-3117.	2.7	238
396	Structure–property relationships for 1,7-diphenoxy-perylene bisimides in solution and in the solid state. <i>Chemical Science</i> , 2014, 5, 608-619.	3.7	94
397	Donor–acceptor–donor type organic semiconductor containing quinoidal benzo[1,2-b:4,5-b']dithiophene for high performance n-channel field-effect transistors. <i>Chemical Communications</i> , 2014, 50, 985-987.	2.2	29
398	Structure, Bonding and Reactivity of Heterocyclic Compounds. <i>Topics in Heterocyclic Chemistry</i> , 2014, , .	0.2	5
399	Patterning technology for solution-processed organic crystal field-effect transistors. <i>Science and Technology of Advanced Materials</i> , 2014, 15, 024203.	2.8	39
400	First synthesis of naphthalene annulated oxepins. <i>RSC Advances</i> , 2014, 4, 60473-60477.	1.7	27
401	Organic field-effect transistors with a low driving voltage using albumin as the dielectric layer. <i>RSC Advances</i> , 2014, 4, 58720-58723.	1.7	12
402	Self-assembled Supramolecular Materials in Organic Electronics. <i>RSC Smart Materials</i> , 2014, , 1-52.	0.1	7
403	Prediction and Theoretical Characterization of p-Type Organic Semiconductor Crystals for Field-Effect Transistor Applications. <i>Topics in Current Chemistry</i> , 2014, 345, 95-138.	4.0	30
404	High-performance field-effect transistors based on furan-containing diketopyrrolopyrrole copolymer under a mild annealing temperature. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1970-1977.	2.5	16
405	Easily-soluble heteroacene bis(benzothieno)silole derivatives for sensing of nitro explosives. <i>New Journal of Chemistry</i> , 2014, 38, 5754-5760.	1.4	13
406	Solution Processable Colloidal Nanoplates as Building Blocks for High-Performance Electronic Thin Films on Flexible Substrates. <i>Nano Letters</i> , 2014, 14, 6547-6553.	4.5	69
407	Thermally Activated Delayed Fluorescence Materials Towards the Breakthrough of Organoelectronics. <i>Advanced Materials</i> , 2014, 26, 7931-7958.	11.1	1,617
408	Two-Dimensional π -Expanded Quinoidal Terthiophenes Terminated with Dicyanomethylenes as n-Type Semiconductors for High-Performance Organic Thin-Film Transistors. <i>Journal of the American Chemical Society</i> , 2014, 136, 16176-16184.	6.6	147
409	Influence of alkyl chain length on the solid-state properties and transistor performance of BN-substituted tetrathienonaphthalenes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8152-8161.	2.7	89
410	Anisotropic charge transport in large single crystals of π -conjugated organic molecules. <i>Nanoscale</i> , 2014, 6, 4774.	2.8	37
411	Substituent effect on the crystal packing and electronic coupling of tetrabenzocoronenes: a structure–property correlation. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3928.	2.7	19
412	Tuning the light response of organic field-effect transistors using fluorographene nanosheets as an interface modification layer. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6484.	2.7	22

#	ARTICLE	IF	CITATIONS
413	Symmetrically Disubstituted Bithiophene Derivatives of 1,3,4-Oxadiazole, 1,3,4-Thiadiazole, and 1,2,4-Triazole – Spectroscopic, Electrochemical, and Spectroelectrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2014, 118, 25176-25189.	1.5	33
414	On the packing and the orientation of P(NDI2OD-T2) at low molecular weight. <i>European Polymer Journal</i> , 2014, 61, 172-185.	2.6	14
415	Ambipolar field-effect transistors using conjugated polymers with structures of bilayer, binary blends, and paralleled nanofibers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7489-7493.	2.7	10
416	Universal solution-processed high- <i>k</i> amorphous oxide dielectrics for high-performance organic thin film transistors. <i>RSC Advances</i> , 2014, 4, 14890-14895.	1.7	26
417	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
418	Fine-tuning solid-state luminescence in NPIs (1,8-naphthalimides): impact of the molecular environment and cumulative interactions. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 20866-20877.	1.3	29
419	Pentacyclic aromatic bislactam-based conjugated polymers: constructed by Beckmann rearrangement and application in organic field-effect transistor. <i>Polymer Chemistry</i> , 2014, 5, 5369-5374.	1.9	15
420	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
421	Tuning Packing and Solubility of Donor (D)–Acceptor (A) Polymers by <i>cis</i> – <i>trans</i> Isomerization within Alkenyl Side Chains. <i>Chemistry of Materials</i> , 2014, 26, 4844-4848.	3.2	13
422	Ambidextrous Catalytic Access to Dithieno[3,2- <i>b</i> :2′,3′- <i>d</i>]thiophene (DTT) Derivatives by Both Palladium-Catalyzed C–S and Oxidative Dehydro C–H Coupling. <i>Organic Letters</i> , 2014, 16, 4086-4089.	2.4	44
423	Naphthobisthiazole diimide-based n-type polymer semiconductors: synthesis, π -stacking, field-effect charge transport, and all-polymer solar cells. <i>Polymer Chemistry</i> , 2014, 5, 5707.	1.9	25
424	Phthalimide–thiophene-based conjugated organic small molecules with high electron mobility. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2612-2621.	2.7	26
425	Enhancement of the p-channel performance of sulfur-bridged annulene through a donor–acceptor co-crystal approach. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8886-8891.	2.7	28
426	Naphthodithieno[3,2- <i>b</i>]thiophene-based semiconductors: synthesis, characterization, and device performance of field-effect transistors. <i>Organic Chemistry Frontiers</i> , 2014, 1, 333-337.	2.3	12
427	Alkyl substituted dithienothieno[2,3- <i>d</i> :2′,3′- <i>d</i>]benzo[1,2- <i>b</i> :4,5- <i>b</i>]dithiophenes as solution-processable hexathiaheptacenes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3625-3630.	2.7	28
428	High performance n-type and ambipolar small organic semiconductors for organic thin film transistors. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22448-22457.	1.3	178
429	Phenyl-capped cyclopenta[<i>c</i>]chalcogenophenes: synthesis, crystal structures, electrochemistry and theoretical insights. <i>RSC Advances</i> , 2014, 4, 35653.	1.7	8
430	Synthesis and characterization of fluorescent oligo(3,4,5-triethoxycarbonyl-2-pyrazoline). <i>Polymer Chemistry</i> , 2014, 5, 4781.	1.9	12

#	ARTICLE	IF	CITATIONS
431	Solution-grown aligned C60 single-crystals for field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3617.	2.7	46
432	High-performance n-channel field effect transistors based on solution-processed dicyanomethylene-substituted tetrathienoquinoid. <i>RSC Advances</i> , 2014, 4, 16939-16943.	1.7	13
433	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
434	Facilely and efficiently tuning metal-organic nanostructures of a charge-transfer complex based on a water controlled nanoreaction and the chemistry of 7,7,8,8-tetracyanoquinodimethane (TCNQ). <i>Nanoscale</i> , 2014, 6, 2573-2576.	2.8	3
435	Heteroatom Substituted Organic/Polymeric Semiconductors and their Applications in Field-Effect Transistors. <i>Advanced Materials</i> , 2014, 26, 6898-6904.	11.1	75
436	Aligned nanowire arrays on thin flexible substrates for organic transistors with high bending stability. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1314-1320.	2.7	36
437	n-Type small aromatic core diimides flanked with electron donating thienylethyl moieties and electrical responses in organic devices. <i>RSC Advances</i> , 2014, 4, 41476-41482.	1.7	4
438	High ON/OFF ratio single crystal transistors based on ultrathin thienoacene microplates. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5382-5388.	2.7	24
439	Electron transport via phenyl-perfluorophenyl interaction in crystals of fluorine-substituted dibenzalacetones. <i>RSC Advances</i> , 2014, 4, 50188-50194.	1.7	5
440	Fused H-shaped tetrathiafulvalene-oligothiophenes as charge transport materials for OFETs and OPVs. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2674-2683.	2.7	15
441	Synthesis and properties of azothiazole based π -conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7096-7103.	2.7	6
442	Structure-property relationships in multifunctional thieno(bis)imide-based semiconductors with different sized and shaped N-alkyl ends. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3448.	2.7	30
443	Assessment of asymptotically corrected model potentials for charge-transfer-like excitations in oligoacenes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 21564-21569.	1.3	8
444	Substituent dependent tunable fluorescence in thieno[3,2-c]pyrans. <i>RSC Advances</i> , 2014, 4, 56779-56783.	1.7	11
445	2,6-Diphenyl- and -distyryl-capped 3,7-dialkoxybenzo[1,2-b:4,5-b ^{€2}]dithiophenes and their dithieno-annulated higher homologs: structural phase transition with enhanced charge carrier mobility. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 18805.	1.3	3
446	Influence of side chain length and bifurcation point on the crystalline structure and charge transport of diketopyrrolopyrrole-quaterthiophene copolymers (PDQTs). <i>Journal of Materials Chemistry C</i> , 2014, 2, 2183-2190.	2.7	51
447	Ambipolar charge-transport property for the A complex with naphthalene diimide motif. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2869-2876.	2.7	34
448	High performance, air stable n-type single crystal transistors based on core-tetrachlorinated perylene diimides. <i>Chemical Communications</i> , 2014, 50, 12462-12464.	2.2	36

#	ARTICLE	IF	CITATIONS
449	Electronic Effects of Ring Fusion and Alkyne Substitution on Acene Properties and Reactivity. <i>Journal of Organic Chemistry</i> , 2014, 79, 10081-10093.	1.7	45
450	Larger π -extended anti-/syn-aroylenediimidazole polyaromatic compounds: synthesis, physical properties, self-assembly, and quasi-linear conjugation effect. <i>RSC Advances</i> , 2014, 4, 17822-17831.	1.7	23
451	Conformation-Insensitive Ambipolar Charge Transport in a Diketopyrrolopyrrole-Based Co-polymer Containing Acetylene Linkages. <i>Chemistry of Materials</i> , 2014, 26, 3928-3937.	3.2	63
453	Rhodium(III)-Catalyzed Directed peri-C ^H Alkenylation of Anthracene Derivatives. <i>Organic Letters</i> , 2014, 16, 4224-4227.	2.4	27
454	Laterally Expanded Rylene Diimides with Uniform Branched Side Chains for Solution-Processed Air Stable n-Channel Thin Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18098-18103.	4.0	17
455	A thienyl peripherally substituted rubrene analogue with constant emissions and good film forming ability. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8222-8225.	2.7	10
456	Role of the Coordination Center in Photocurrent Behavior of a Tetrathiafulvalene and Metal Complex Dyad. <i>Inorganic Chemistry</i> , 2014, 53, 3078-3087.	1.9	17
457	Synthesis of Di π -and Trixanthenes that Display High Stability and a Visual Fluorescence Response to Strong Acid. <i>Chemistry - an Asian Journal</i> , 2014, 9, 3307-3312.	1.7	5
458	Synthesis of poly(5,6-difluoro-2,1,3-benzothiadiazole- <i>9,9</i> -dioctyl-fluorene) via direct arylation polycondensation. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2367-2374.	2.5	31
459	Two-Dimensional Brickblock Arrangement in Bis-Fused Tetrathiafulvalene Semiconductors. <i>Crystal Growth and Design</i> , 2014, 14, 1412-1418.	1.4	6
460	Graphene Field-Effect Transistor and Its Application for Electronic Sensing. <i>Small</i> , 2014, 10, 4042-4065.	5.2	184
461	Synthesis and characterization of π -extended thienoacenes with up to 13 fused aromatic rings. <i>Tetrahedron Letters</i> , 2014, 55, 5663-5666.	0.7	9
462	Systematic Investigation of Side-Chain Branching Position Effect on Electron Carrier Mobility in Conjugated Polymers. <i>Advanced Functional Materials</i> , 2014, 24, 6270-6278.	7.8	116
463	Molecular Orbital-Based Design of π -Conjugated Organic Materials with Small Internal Reorganization Energy: Generation of Nonbonding Character in Frontier Orbitals. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20176-20183.	1.5	41
464	One-Dimensional Self-Assembly of Polyaromatic Compounds Revealed by Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12772-12780.	1.2	45
465	Theory of charge hopping along a disordered polymer chain. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 9997.	1.3	55
466	Pentacene thin films on ferromagnetic oxide: Growth mechanism and spintronic devices. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	9
467	Synthesis of donor-acceptor conjugated polymers based on benzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene and 2,1,3-benzothiadiazole via direct arylation polycondensation: towards efficient C ^H activation in nonpolar solvents. <i>Polymer Chemistry</i> , 2014, 5, 5784-5792.	1.9	87

#	ARTICLE	IF	CITATIONS
468	Extended Conjugated Polymers Entailing Pechmann Dye Moieties for Solution-Processed Ambipolar Organic Semiconductors. <i>Chinese Journal of Chemistry</i> , 2014, 32, 788-796.	2.6	14
469	Determination of the Charge Transport Mechanisms in Ultrathin Copper Phthalocyanine Vertical Heterojunctions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 7272-7279.	1.5	39
470	Impact of Systematic Structural Variation on the Energetics of π - π Stacking Interactions and Associated Computed Charge Transfer Integrals of Crystalline Diketopyrrolopyrroles. <i>Crystal Growth and Design</i> , 2014, 14, 4849-4858.	1.4	26
471	Control of active semiconducting layer packing in organic thin film transistors through synthetic tailoring of dielectric materials. <i>RSC Advances</i> , 2014, 4, 29383-29392.	1.7	4
472	Electron Delocalization in a Rigid Cofacial Naphthalene-1,8:4,5-bis(dicarboximide) Dimer. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9476-9481.	7.2	122
473	High performance polymer solar cells based on a two dimensional conjugated polymer from alkylthienyl-substituted benzodifuran and benzothiadiazole. <i>Polymer Chemistry</i> , 2014, 5, 5002-5008.	1.9	27
474	Solution-Processable Donor-Acceptor Polymers with Modular Electronic Properties and Very Narrow Bandgaps. <i>Macromolecular Rapid Communications</i> , 2014, 35, 1516-1521.	2.0	23
475	Molecular Ordering and Dipole Alignment of Vanadyl Phthalocyanine Monolayer on Metals: The Effects of Interfacial Interactions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 4151-4159.	1.5	38
476	Resonance Electron Attachment to Tetracyanoquinodimethane. <i>Journal of Physical Chemistry A</i> , 2014, 118, 6810-6818.	1.1	16
477	Sulphur bridged [22]annulene[2.1.2.1] based organic field-effect transistors: interplay of the steric bulk and charge transport. <i>RSC Advances</i> , 2014, 4, 37503-37509.	1.7	3
478	Charge Diffusion in Semiconducting Polymers: Analytical Relation between Polymer Rigidity and Time Scales for Intrachain and Interchain Hopping. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2637-2641.	2.1	47
479	Polymer-Induced Perylene Probe Excimer Formation and Selective Sensing of DNA Methyltransferase Activity through the Monomer-Excimer Transition. <i>Analytical Chemistry</i> , 2014, 86, 4371-4378.	3.2	77
480	The substituent effect on charge transport property of triisopropylsilylethynyl anthracene derivatives. <i>Organic Electronics</i> , 2014, 15, 2476-2485.	1.4	27
481	One-Pot Three-Component Tandem Polymerization Toward Functional Poly(arylene thiophenylene) with Aggregation-Enhanced Emission Characteristics. <i>Macromolecules</i> , 2014, 47, 4920-4929.	2.2	90
482	Facile Preparation of Regioregular Poly(3-hexylthiophene) and Its Block Copolymers with π -Allylnickel Complex as External Initiator. <i>Macromolecules</i> , 2014, 47, 5010-5018.	2.2	31
483	High-Performance n-Channel Organic Thin-Film Transistor Based on Naphthalene Diimide. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 12295-12301.	4.0	23
484	1,4-Dihydropyrrolo[3,2-b]pyrrole and Its Expanded Analogues. <i>Chemistry - an Asian Journal</i> , 2014, 9, 3036-3045.	1.7	43
485	Synthesis and characterization of isoindigo-based polymers using CH-arylation polycondensation reactions for organic photovoltaics. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2926-2933.	2.5	21

#	ARTICLE	IF	CITATIONS
486	X-ray Structural Investigation of Nonsymmetrically and Symmetrically Alkylated [1]Benzothieno[3,2- <i>b</i>]benzothiophene Derivatives in Bulk and Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13413-13421.	4.0	51
487	Adjusting tetrathiafulvalene (TTF) functionality through molecular design for organic field-effect transistors. <i>CrystEngComm</i> , 2014, 16, 5968.	1.3	30
488	Explosives Sensing by Using Electron-Rich Supramolecular Polymers: Role of Intermolecular Hydrogen Bonding in Significant Enhancement of Sensitivity. <i>Chemistry - A European Journal</i> , 2014, 20, 13662-13680.	1.7	94
489	Convenient access to readily soluble symmetrical dialkyl-substituted $\hat{\pm}$ -oligofurans. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6661-6671.	1.5	8
490	$\hat{\pi}$ -Conjugated Polymer Anisotropic Organogel Nanofibrous Assemblies for Thermo-responsive Photonic Switches. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 19385-19396.	4.0	15
491	New Form of an Old Natural Dye: Bay-Annulated Indigo (BAI) as an Excellent Electron Accepting Unit for High Performance Organic Semiconductors. <i>Journal of the American Chemical Society</i> , 2014, 136, 15093-15101.	6.6	123
492	Controlled synthesis of low-polydisperse regioregular poly(3-hexylthiophene) and related materials by zincate-complex metathesis polymerization. <i>Polymer Journal</i> , 2014, 46, 381-390.	1.3	20
493	Two BN Isosteres of Anthracene: Synthesis and Characterization. <i>Journal of the American Chemical Society</i> , 2014, 136, 15414-15421.	6.6	135
494	Regioselective $\hat{\pi}$ -extension of indoles with rhodium enalcarbenoids $\hat{\alpha}$ synthesis of substituted carbazoles. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8641-8645.	1.5	37
495	Phase-Selective Crystallization of Perylene on Monolayer Templates. <i>Crystal Growth and Design</i> , 2014, 14, 5244-5251.	1.4	15
496	Benzimidazole Derivatives: Synthesis, Physical Properties, and n -Type Semiconducting Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 11835-11846.	1.7	50
497	Pyrene based conjugated materials: synthesis, characterization and electroluminescent properties. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23320-23328.	1.3	26
498	A C-H Functionalization Protocol for the Direct Synthesis of Benzobisthiazole Derivatives. <i>Journal of Organic Chemistry</i> , 2014, 79, 7766-7771.	1.7	27
499	Effect of Extended $\hat{\pi}$ -Conjugation Structure of Donor-Acceptor Conjugated Copolymers on the Photoelectronic Properties. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2961-2969.	1.7	9
500	Porphyrin Nanoassemblies via Surfactant-Assisted Assembly and Single Nanofiber Nanoelectronic Sensors for High-Performance H ₂ O ₂ Vapor Sensing. <i>ACS Nano</i> , 2014, 8, 3402-3411.	7.3	82
501	First-principles investigations on the anisotropic charge transport in 4,4'-bis((E)-2-(naphthalen-2-yl)vinyl)-1,1'-biphenyl single crystal. <i>Theoretical Chemistry Accounts</i> , 2014, 133, 1.	0.5	1
502	Thieno[3,2- <i>b</i>]thiophene-Diketopyrrolopyrrole-Based Quinoidal Small Molecules: Synthesis, Characterization, Redox Behavior, and n -Channel Organic Field-Effect Transistors. <i>Chemistry - A European Journal</i> , 2014, 20, 13755-13761.	1.7	37
503	Theoretical investigation on the crystal structures and electron transport properties of several nitrogen-rich pentacene derivatives. <i>Journal of Molecular Modeling</i> , 2014, 20, 2158.	0.8	11

#	ARTICLE	IF	CITATIONS
504	High crystallinity oligo(3-methylthiophenes) for p-channel organic field-effect transistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 3727-3732.	1.1	1
505	Theoretical studies on charge transport and optical properties of tris(N-saclicylideneanilines). <i>RSC Advances</i> , 2014, 4, 25969.	1.7	8
506	Intertwined Lamello-Columnar Coassemblies in Liquid-Crystalline Side-Chain π -Conjugated Polymers: Toward a New Class of Nanostructured Supramolecular Organic Semiconductors. <i>Macromolecules</i> , 2014, 47, 1715-1731.	2.2	38
507	Influence of Deposition Pressure on the Film Morphologies, Structures, and Mobilities for Different-Shaped Organic Semiconductors. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14218-14226.	1.5	5
508	Preparation and photoelectrochemical behavior of 1,4,6,8,11,13-hexazapentacene (HAP). <i>Chemical Communications</i> , 2014, 50, 7656-7658.	2.2	37
509	Rational design and characterization of high-efficiency planar A ⁺ -D ⁺ -A type electron donors in small molecule organic solar cells: A quantum chemical approach. <i>Materials Chemistry and Physics</i> , 2014, 145, 387-396.	2.0	37
510	Organic field-effect transistor and its photoresponse using a benzo[1,2-b:4,5-b ²]difuran-based donor-acceptor conjugated polymer. <i>Organic Electronics</i> , 2014, 15, 1050-1055.	1.4	88
511	Variations of structures and solid-state conductivity of isomeric silver(I) coordination polymers having linear and V-shaped thiophene-centered ditriazole ligands. <i>Journal of Solid State Chemistry</i> , 2014, 215, 102-108.	1.4	4
512	Organic semiconductors for device applications: current trends and future prospects. <i>Journal of Polymer Engineering</i> , 2014, 34, 279-338.	0.6	58
513	<i>N</i> -Alkyl functionalized barbituric and thiobarbituric acid bithiophene derivatives for vacuum deposited n-channel OFETs. <i>Journal of Materials Chemistry C</i> , 2014, 2, 3895-3899.	2.7	15
514	Panchromatic Donor-Acceptor-Donor Conjugated Oligomers for Dye-Sensitized Solar Cell Applications. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8715-8722.	4.0	59
515	Design Aspects of Luminescent Organic Crystals. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2014, 84, 131-149.	0.8	18
516	Synthesis and aggregation-induced emissions of thienyl substituted cyclobutene derivatives. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5083-5086.	2.7	11
517	Spray-coating semiconducting conjugated polymers for organic thin film transistor applications. <i>RSC Advances</i> , 2014, 4, 30145.	1.7	23
518	Interface optimization using diindenoperylene for C 60 thin film transistors with high electron mobility and stability. <i>Organic Electronics</i> , 2014, 15, 2749-2755.	1.4	21
519	Direct validation of the restriction of intramolecular rotation hypothesis via the synthesis of novel ortho-methyl substituted tetraphenylethenes and their application in cell imaging. <i>Chemical Communications</i> , 2014, 50, 12058-12060.	2.2	132
520	Semi-random vs Well-Defined Alternating Donor-Acceptor Copolymers. <i>ACS Macro Letters</i> , 2014, 3, 622-627.	2.3	27
521	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

#	ARTICLE	IF	CITATIONS
522	Benchmark Theoretical Study of the π - π Binding Energy in the Benzene Dimer. <i>Journal of Physical Chemistry A</i> , 2014, 118, 7568-7578.	1.1	77
523	Structure-property relationship in charge transporting behaviour of room temperature liquid crystalline perylenebisimides. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9882-9891.	2.7	17
524	Stepwise Decrease of Fluorescence versus Sequential Photobleaching in a Single Multichromophoric System. <i>ACS Nano</i> , 2014, 8, 1708-1717.	7.3	20
525	Tuning electron transport through a single molecular junction by bridge modification. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	5
526	Terminal Peptide Directed Assembly of Naphthalene-Bisimides. <i>Crystal Growth and Design</i> , 2014, 14, 3918-3922.	1.4	0
527	Supramolecular P4VP-pentadecylphenol naphthalenebisimide comb-polymer: mesoscopic organization and charge transport properties. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6511-6519.	2.7	11
528	Effects of temperature on the polymorphism of β -diocetylterthiophene in thin films. <i>Journal of Crystal Growth</i> , 2014, 386, 128-134.	0.7	11
529	Dithiolodithiole as a Building Block for Conjugated Materials. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5847-5851.	7.2	31
530	Making Nonsymmetrical Bricks: Synthesis of Insoluble Dipolar Sexiphenyls. <i>Organic Letters</i> , 2014, 16, 2838-2841.	2.4	12
531	Efficient Synthesis of 3H-Indoles Enabled by the Lead-Mediated α -Arylation of β -Ketoesters or β -Lactams Using Aryl Azides. <i>Organic Letters</i> , 2014, 16, 2916-2919.	2.4	14
532	Theoretical Design of n-Type Organic Semiconducting Materials Containing Thiazole and Oxazole Frameworks. <i>Journal of Physical Chemistry A</i> , 2014, 118, 3335-3343.	1.1	32
533	Synthesis and optoelectronic properties of a novel molecular semiconductor of dithieno[5,6-b:11,12-b']coronene-2,3,8,9-tetracarboxylic tetraester. <i>Chinese Chemical Letters</i> , 2014, 25, 65-68.	4.8	17
534	Cellulose nanocrystals thin films as gate dielectric for flexible organic field-effect transistors. <i>Materials Letters</i> , 2014, 126, 55-58.	1.3	38
535	Layer-by-layer growth of precisely controlled hetero-molecular multi-layers and superlattice structures. <i>Thin Solid Films</i> , 2014, 554, 74-77.	0.8	6
536	Structural, electronic, and transport properties of C_{60} isomers. <i>Computational Materials Science</i> , 2014, 91, 15-19.	1.4	2
537	Synthesis by MW-assisted direct arylation, side-arms driven self-assembly and functional properties of 9,10-dithienylanthracene orthogonal materials. <i>Tetrahedron</i> , 2014, 70, 6222-6228.	1.0	11
538	Thiophene Fused Azacoronenes: Regioselective Synthesis, Self-Organization, Charge Transport and Its Incorporation in Conjugated Polymers. <i>Chemistry of Materials</i> , 2014, 26, 3920-3927.	3.2	68
539	Diindole-Annulated Naphthalene Diimides: Synthesis and Optical and Electronic Properties of <i>Syn</i> - and <i>Anti</i> -Isomers. <i>Journal of Organic Chemistry</i> , 2014, 79, 128-139.	1.7	44

#	ARTICLE	IF	CITATIONS
540	Synthesis of Chrysene Derivatives via Copper-Catalyzed One-Pot Dimerization of 2-Alkynyl-1-acetylbenzenes. <i>Journal of Organic Chemistry</i> , 2014, 79, 4352-4357.	1.7	20
541	Record High Electron Mobility of $6.3 \text{ cm}^2/\text{Vs}$ Achieved for Polymer Semiconductors Using a New Building Block. <i>Advanced Materials</i> , 2014, 26, 2636-2642.	11.1	382
542	Benzannulation via Ruthenium-Catalyzed Diene [4+2] Cycloaddition: One- and Two-Directional Syntheses of Fluoranthenes and Acenes. <i>Journal of the American Chemical Society</i> , 2014, 136, 5920-5922.	6.6	51
543	Non-fullerene acceptors for organic photovoltaics: an emerging horizon. <i>Materials Horizons</i> , 2014, 1, 470.	6.4	694
544	Synthesis of [1]benzothieno[3,2-b][1]benzothiophene (BTBT) and its higher homologs through palladium-catalyzed intramolecular decarboxylative arylation. <i>Tetrahedron Letters</i> , 2014, 55, 4175-4177.	0.7	9
545	Small Molecules of Cyclopentadithiophene Derivatives: Effect of Sulfur Atom Position and Substituted Groups on Their UV-Vis Properties. <i>Journal of Physical Chemistry C</i> , 2014, 118, 7844-7855.	1.5	15
546	Cruciform Alkynylated Anthanthrene Derivatives: A Structure-Properties Relationship Case Study. <i>Journal of Organic Chemistry</i> , 2014, 79, 2404-2418.	1.7	44
547	Oligothiophene Semiconductors: Synthesis, Characterization, and Applications for Organic Devices. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5327-5343.	4.0	193
548	Biomimetic molecular organization of naphthalene diimide in the solid state: tunable (chiro-) optical, viscoelastic and nanoscale properties. <i>RSC Advances</i> , 2014, 4, 20154-20163.	1.7	45
549	Synthesis of 2,9-dialkylated phenanthro[1,2-b:8,7-b']dithiophenes via cross-coupling reactions and sequential Lewis acid-catalyzed regioselective cycloaromatization of epoxide. <i>Tetrahedron Letters</i> , 2014, 55, 4002-4005.	0.7	31
550	Modulating the Electronic Properties of Multimeric Thiophene Oligomers by Utilizing Carbon Nanotube Confinement. <i>Journal of Physical Chemistry C</i> , 2014, 118, 5510-5522.	1.5	25
551	Effect of Molecular Asymmetry on the Charge Transport Physics of High Mobility n-Type Molecular Semiconductors Investigated by Scanning Kelvin Probe Microscopy. <i>ACS Nano</i> , 2014, 8, 6778-6787.	7.3	16
552	N-acylated isoindigo based conjugated polymers for n-channel and ambipolar organic thin-film transistors. <i>Dyes and Pigments</i> , 2014, 109, 200-205.	2.0	15
553	The relationship between intermolecular interactions and charge transport properties of trifluoromethylated polycyclic aromatic hydrocarbons. <i>Organic Electronics</i> , 2014, 15, 1896-1905.	1.4	24
554	Synthesis, photophysical and thin-film self-assembly properties of novel fluorescent molecules with carbon-carbon triple bonds. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 133, 229-240.	2.0	3
555	Insulated π -conjugated metallopolymer. <i>Tetrahedron Letters</i> , 2014, 55, 4035-4043.	0.7	23
556	On the formation of non-emissive and emissive aggregates of regioregular poly(3-octylthiophene) in different local environments. <i>Synthetic Metals</i> , 2014, 187, 136-144.	2.1	9
557	Development of Direct Aromatic Coupling Reactions by Transition-Metal Catalysis. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 751-764.	2.0	142

#	ARTICLE	IF	CITATIONS
558	Solution-processable n-Type Semiconducting Materials Containing a Carbonyl-bridged Thiazole-fused π -System. <i>Chemistry Letters</i> , 2014, 43, 1640-1642.	0.7	5
559	Thiophene- π -Fused 3- π -Methylene- π ,3- π -dihydrochalcogenophenes: Fluorescent Dyes Incorporated in a Rigid Dibenzobarrelene Skeleton. <i>Heteroatom Chemistry</i> , 2014, 25, 658-673.	0.4	7
562	Non-linear, <i>cata</i> -Condensed, Polycyclic Aromatic Hydrocarbon Materials: A Generic Approach and Physical Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 9970-9974.	1.7	14
563	Synthesis of Arylamine Tribenzopentaphenes and Investigation of their Hole Mobility. <i>ChemistryOpen</i> , 2015, 4, 453-456.	0.9	6
566	Optical Properties of Three Differently Colored Crystal Modifications of a 2,3-Dicyanopyrazine Dye. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 716-721.	2.0	6
568	Impact of Alkyl Side Chains on Thin-film Transistor Performances in Phenanthrodithiophene- π -Isoindigo Copolymers. <i>Chemistry Letters</i> , 2015, 44, 998-1000.	0.7	12
569	Unexpected Formation of <i>ortho</i> -Benzoquinone-fused Tetraselenafulvalene (TSF): Synthesis, Structures, and Properties of a Novel TSF-based Donor-Acceptor Dyad. <i>Chemistry Letters</i> , 2015, 44, 1538-1540.	0.7	7
570	Synthesis of Thieno[3,2- <i>b</i>]benzofurans by Palladium-catalyzed Intramolecular C-H/C-H Coupling. <i>Chemistry Letters</i> , 2015, 44, 1125-1127.	0.7	43
571	Designs of Functional π -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
572	An improved performance of copper phthalocyanine OFETs with channel and source/drain contact modifications. <i>Journal of Semiconductors</i> , 2015, 36, 104003.	2.0	2
573	Organic Field-effect Transistors Based on Alkylphenyl-substituted Dinaphtho[2,1- <i>b'</i> ;1- <i>f'</i>]thieno[3,2- <i>b</i>]thiophenes. <i>Electrochemistry</i> , 2015, 83, 526-528.	0.6	1
574	A van der Waals pn heterojunction with organic/inorganic semiconductors. <i>Applied Physics Letters</i> , 2015, 107, 183103.	1.5	77
575	Side chain engineering of poly-thiophene and its impact on crystalline silicon based hybrid solar cells. <i>Applied Physics Letters</i> , 2015, 107, 203301.	1.5	4
576	Spin Exchange Interaction in Substituted Copper Phthalocyanine Crystalline Thin Films. <i>Scientific Reports</i> , 2015, 5, 16536.	1.6	6
577	Enhanced Charge Injection Through Nanostructured Electrodes for Organic Field Effect Transistors. <i>Advanced Functional Materials</i> , 2015, 25, 3855-3859.	7.8	27
579	Rational Topological Design for Fluorescence Enhancement upon Aggregation of Distyrylfuran Derivatives. <i>Chemistry - A European Journal</i> , 2015, 21, 7944-7953.	1.7	21
580	Epitaxial growth of a methoxy-functionalized quaterphenylene on alkali halide surfaces. <i>Thin Solid Films</i> , 2015, 597, 104-111.	0.8	6
581	High Performance Polymer Nanowire Field-Effect Transistors with Distinct Molecular Orientations. <i>Advanced Materials</i> , 2015, 27, 4963-4968.	11.1	79

#	ARTICLE	IF	CITATIONS
582	Photocyclodehydrofluorination. <i>Chemistry - A European Journal</i> , 2015, 21, 15534-15539.	1.7	61
583	Balanced Ambipolar Poly(diketopyrrolopyrrole- <i>alt</i> -tetrafluorobenzene) Semiconducting Polymers Synthesized via Direct Arylation Polymerization. <i>Macromolecular Rapid Communications</i> , 2015, 36, 2162-2170.	2.0	43
584	Synergistic Photomodulation of Capacitive Coupling and Charge Separation Toward Functional Organic Field-Effect Transistors with High Responsivity. <i>Advanced Electronic Materials</i> , 2015, 1, 1500159.	2.6	28
586	Conversion of 2-Iodobiaryls into 2,2-Diiodobiaryls via Oxidation-Iodination Sequences: A Versatile Route to Ladder-Type Heterofluorenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8736-8739.	7.2	79
587	Silver-Catalyzed Coupling of Two C ₁₂ H Groups and One Pot Synthesis of Tetrasubstituted Furans, Thiophenes, and Pyrroles. <i>Chemistry - A European Journal</i> , 2015, 21, 11335-11339.	1.7	51
588	Designing Efficient Non-Fullerene Acceptors by Tailoring Extended Fused Rings with Electron-Deficient Groups. <i>Advanced Energy Materials</i> , 2015, 5, 1501063.	10.2	203
589	Design of High-Mobility Diketopyrrolopyrrole-Based π -Conjugated Copolymers for Organic Thin-Film Transistors. <i>Advanced Materials</i> , 2015, 27, 3589-3606.	11.1	350
590	Rhodium(III)-Catalyzed <i>ortho</i> C ₁₂ H Heteroarylation of (Hetero)aromatic Carboxylic Acids: A Rapid and Concise Access to π -Conjugated Polyheterocycles. <i>Angewandte Chemie</i> , 2015, 127, 7273-7276.	1.6	32
591	Polymorphism in New Thienothiophene-Thiazolothiazole Organic Semiconductors. <i>ChemPhysChem</i> , 2015, 16, 1102-1102.	1.0	2
592	Dithienothiophene-Based Triphenylamine-Containing Branched Copolymers for Electrochromic Applications. <i>ChemPlusChem</i> , 2015, 80, 1306-1311.	1.3	5
593	Metal-Free Dehydrogenative Diels-Alder Reactions of 2-Methyl-3-Alkylindoles with Dienophiles: Rapid Access to Tetrahydrocarbazoles, Carbazoles, and Heteroacenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9092-9096.	7.2	76
594	A Cofacially Stacked Electron-Deficient Small Molecule with a High Electron Mobility of over 10 cm ² V ⁻¹ s ⁻¹ in Air. <i>Advanced Materials</i> , 2015, 27, 8051-8055.	11.1	97
595	High-Performance UV-Sensitive Organic Phototransistors Based on Benzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene Dimers Linked with Unsaturated Bonds. <i>Advanced Electronic Materials</i> , 2015, 1, 1500071.	2.6	31
596	Anionic sigmatropic-electrocyclic-Chugaev cascades: accessing 12-aryl-5-(methylthiocarbonylthio)tetracenes and a related anthra[2,3- <i>b</i>]thiophene. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 273-279.	1.3	9
597	Crystallization of rubrene on a nanopillar-templated surface by the melt-recrystallization process and its application in field-effect transistors. <i>Chemical Communications</i> , 2015, 51, 603-606.	2.2	6
598	Solution processable low bandgap thienoisindigo-based small molecules for organic electronic devices. <i>RSC Advances</i> , 2015, 5, 50098-50104.	1.7	17
599	Switching of Transfer Characteristics of an Organic Field-Effect Transistor by Phase Transitions: Sensitive Response to Molecular Dynamics and Charge Fluctuation. <i>Chemistry of Materials</i> , 2015, 27, 4441-4449.	3.2	32
600	Modulation of Electronic and Self-Assembly Properties of a Donor-Acceptor-Donor-Based Molecular Materials via Atomistic Approach. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 670-681.	4.0	22

#	ARTICLE	IF	CITATIONS
601	Construction of regio- and stereoregular poly(enaminone)s by multicomponent tandem polymerizations of diynes, diacyl chloride and primary amines. <i>Polymer Chemistry</i> , 2015, 6, 4436-4446.	1.9	42
602	Single-displacement controlled spontaneous electrolysis towards CuTCNQ microribbon electrodes in organic single-crystal transistors. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26541-26544.	1.3	4
603	Pro-aromatic and anti-aromatic π -conjugated molecules: an irresistible wish to be diradicals. <i>Chemical Society Reviews</i> , 2015, 44, 6578-6596.	18.7	522
604	The Impact of Antiaromatic Subunits in $[4n+2]$ π -Systems: Bispentalenes with $[4n+2]$ π -Electron Perimeters and Antiaromatic Character. <i>Journal of the American Chemical Society</i> , 2015, 137, 7178-7188.	6.6	115
605	High Gain Hybrid Graphene/Organic Semiconductor Phototransistors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11083-11088.	4.0	65
606	Synthesis, physical properties of X-shape naphthalene-cored π -conjugated oligomers. <i>Tetrahedron Letters</i> , 2015, 56, 4011-4015.	0.7	3
607	High-performance organic field-effect transistors based on single-crystalline microribbons of a two-dimensional fused heteroarene semiconductor. <i>Chemical Communications</i> , 2015, 51, 11961-11963.	2.2	18
608	Solution-Processable n-Type Organic Semiconductors Based on Angular-Shaped 2-(12-Hydroxydibenzofluoren-12-ylidene)malononitrilediimide. <i>Organic Letters</i> , 2015, 17, 3074-3077.	2.4	11
609	General solvent-free ionic liquid catalyzed C=N/C=C coupled cyclization to diverse dihydropyrimidinones and new organic materials: Langmuir/Blodgett film study. <i>RSC Advances</i> , 2015, 5, 24681-24686.	1.7	14
610	Synthesis, characterization, and field-effect transistor properties of tetrathienoanthracene-based copolymers using a two-dimensional π -conjugation extension strategy: a potential building block for high-mobility polymer semiconductors. <i>Polymer Chemistry</i> , 2015, 6, 5393-5404.	1.9	22
611	Rhodium-catalyzed cascade oxidative annulation reactions of aryl imidazolium salts with alkynes involving multiple C-H bond activation. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7695-7710.	1.5	54
612	Organic Semiconductors for Field-Effect Transistors. <i>Lecture Notes in Quantum Chemistry II</i> , 2015, , 51-164.	0.3	2
613	Thermal Stability and Molecular Ordering of Organic Semiconductor Monolayers: Effect of an Anchor Group. <i>ChemPhysChem</i> , 2015, 16, 1712-1718.	1.0	3
614	Organic Optoelectronic Materials. <i>Lecture Notes in Quantum Chemistry II</i> , 2015, , .	0.3	33
615	Synthesis, characterization, and field-effect properties of (E)-2-(2-(thiophen-2-yl)vinyl)thiophen-based donor-acceptor copolymers. <i>Polymer</i> , 2015, 68, 302-307.	1.8	16
616	Structural, electronic and magnetic properties of 8-hydroxyquinoline-based small molecules TMQx (TM=Cr, Mn, Fe, Co, Ni, Cu, Zn, and x=2 or 3). <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 70, 77-83.	1.3	5
617	Synthesis and reactivity of anthracenyl-substituted arenediynes. <i>Tetrahedron Letters</i> , 2015, 56, 3155-3159.	0.7	5
618	An asymmetric naphthalimide derivative for n-channel organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26519-26524.	1.3	13

#	ARTICLE	IF	CITATIONS
619	Ladder-type conjugated oligomers prepared by the Scholl oxidative cyclodehydrogenation reaction: synthesis, characterization and application in field effect transistors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6200-6208.	2.7	18
620	Electronic and charge transport properties of dimers of dithienothiophenes: effect of structural symmetry and linking mode. <i>RSC Advances</i> , 2015, 5, 50212-50222.	1.7	13
621	Self-assembly of tetraalkoxydinaphthophenazines in monolayers on HOPG by scanning tunneling microscopy. <i>Surface Science</i> , 2015, 641, 252-259.	0.8	6
622	Monolayer-Mediated Growth of Organic Semiconductor Films with Improved Device Performance. <i>Langmuir</i> , 2015, 31, 9748-9761.	1.6	16
623	High sensitivity noise measurements: Circuits, techniques and applications. , 2015, , .		1
624	Endohedral Metallofullerenes: From Chemical Reactivity to Material Performance. , 2015, , 133-153.		0
625	Improving supercapacitor performance of alkylated graphene nanosheets via partial fluorination on their alkyl chains. <i>RSC Advances</i> , 2015, 5, 92159-92164.	1.7	3
626	Intercorrelation of Electronic, Structural, and Morphological Properties in Nanorods of 2,3,9,10-Tetrafluoropentacene. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 19774-19780.	4.0	14
627	Extension of Pyrrolopyrrole π -System: Approach to Constructing Hexacyclic Nitrogen-Containing Aromatic Systems. <i>Organic Letters</i> , 2015, 17, 6106-6109.	2.4	33
628	Recent Advances in Phthalocyanine-Based Functional Molecular Materials. <i>Structure and Bonding</i> , 2015, , 159-199.	1.0	15
629	Low-temperature solution-processed high-k ZrTiOx dielectric films for high-performance organic thin film transistors. <i>Synthetic Metals</i> , 2015, 210, 282-287.	2.1	11
630	A divergent synthesis of 3,10-dialkylpicenes. <i>Organic Chemistry Frontiers</i> , 2015, 2, 536-541.	2.3	17
631	Designing small molecule polyaromatic p- and n-type semiconductor materials for organic electronics. , 2015, , .		1
632	Unusual loss of electron mobility upon furan for thiophene substitution in a molecular semiconductor. <i>Organic Electronics</i> , 2015, 18, 118-125.	1.4	21
633	An Electron Acceptor Challenging Fullerenes for Efficient Polymer Solar Cells. <i>Advanced Materials</i> , 2015, 27, 1170-1174.	11.1	3,365
634	Functional Carbazole Liquid-Crystal Block Codendrimers with Optical and Electronic Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 1359-1369.	1.7	19
635	A Series of π -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
636	Synthesis and Characterization of ABC-Type Asymmetric Star Polymers Comprised of Poly(3-hexylthiophene), Polystyrene, and Poly(2-vinylpyridine) Segments. <i>Macromolecules</i> , 2015, 48, 245-255.	2.2	33

#	ARTICLE	IF	CITATIONS
637	Effect of Auxiliary Chromophores on the Optical, Electrochemical, and Photovoltaic Properties of Carbazole-Based Dyes. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 69-80.	1.3	10
638	Control over the photophysical properties of nanoparticles of regioregular poly(3-octylthiophene) using various poor solvents. <i>Synthetic Metals</i> , 2015, 203, 1-9.	2.1	10
639	Synthesis, properties, and semiconducting characteristics of electron-transporting three-dimensional π -conjugated compounds containing dicyanomethylene-substituted difluorocyclopenta[b]thiophene. <i>Journal of Fluorine Chemistry</i> , 2015, 174, 75-80.	0.9	3
640	Negishi coupling in the synthesis of advanced electronic, optical, electrochemical, and magnetic materials. <i>Organic Chemistry Frontiers</i> , 2015, 2, 416-445.	2.3	33
641	Electron-deficient acene-based liquid crystals: dialkoxydicyanopyrazinoquinoxalines. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3016-3022.	2.7	9
642	Extended π -Conjugated System for Fast-Charge and -Discharge Sodium-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2015, 137, 3124-3130.	6.6	361
643	Dibenzocarbazolediimides: Synthesis, Solid Structure, Self-Assembly Behavior, and Optoelectronic Properties. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1344-1353.	1.7	9
644	Influence of substituent position on thermal properties, photoluminescence and morphology of pyrene-fluorene derivatives. <i>Journal of Molecular Structure</i> , 2015, 1086, 216-222.	1.8	18
645	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
646	Developing Conjugated Polymers with High Electron Affinity by Replacing a C_{60} Unit with a B π -N Unit. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3648-3652.	7.2	212
647	Rational design of two-dimensional molecular donor-acceptor nanostructure arrays. <i>Nanoscale</i> , 2015, 7, 4306-4324.	2.8	26
648	Synthesis and Characterization of Gallafluorene-Containing Conjugated Polymers: Control of Emission Colors and Electronic Effects of Gallafluorene Units on π -Conjugation System. <i>Macromolecules</i> , 2015, 48, 1343-1351.	2.2	31
649	Dispersion Corrected DFT Study of Pentacene Thin Films on Flat and Vicinal Au(111) Surfaces. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3596-3604.	1.5	6
650	Preparation, Structure, and Redox Behavior of Bis(diarylmethylene)dihydrothiophene and Its π -Extended Analogues. <i>Journal of Organic Chemistry</i> , 2015, 80, 2455-2461.	1.7	8
651	Structural Characterization of Highly Oriented Naphthalene-Diimide-Bithiophene Copolymer Films via Vibrational Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2062-2073.	1.2	19
652	DFT Study of the Ambipolar Character of Polymers on the Basis of s-Tetrazine and Aryl Rings. <i>Journal of Physical Chemistry C</i> , 2015, 119, 4588-4599.	1.5	24
653	Epitaxially Grown Strained Pentacene Thin Film on Graphene Membrane. <i>Small</i> , 2015, 11, 2037-2043.	5.2	53
654	Metal-Free Reagent Dependent Si_2S and C_{60} Homocoupling of α -Enolic Dithioesters at Room Temperature: Direct Access to Fully Substituted Symmetrical Thiophenes via Chemoselective Paal-Knorr Approach. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 530-538.	2.1	22

#	ARTICLE	IF	CITATIONS
655	Visible-Light-Photocatalyzed Metal-Free C-H Heteroarylation of Heteroarenes at Room Temperature: A Sustainable Synthesis of Biheteroaryls. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1727-1734.	1.2	60
656	Chemisorption, Morphology, and Structure of a n-Type Perylene Diimide Derivative at the Interface with Gold: Influence on Devices from Thin Films to Single Molecules. <i>Chemistry - A European Journal</i> , 2015, 21, 3766-3771.	1.7	15
658	Fused polycyclic aromatics incorporating boron in the core: fundamentals and applications. <i>Chemical Communications</i> , 2015, 51, 6257-6274.	2.2	211
659	Efficient Spontaneous and Stimulated Emission from 1,4-Bis(2,2-diphenylvinyl)benzene Single Crystals with Cross-Dipole Stacking. <i>Advanced Optical Materials</i> , 2015, 3, 763-768.	3.6	21
660	Theoretical Study of the Molecular Ordering, Paracrystallinity, And Charge Mobilities of Oligomers in Different Crystalline Phases. <i>Journal of the American Chemical Society</i> , 2015, 137, 2856-2866.	6.6	152
661	Selective and general exhaustive cross-coupling of di-chloroarenes with a deficit of nucleophiles mediated by a Pd-NHC complex. <i>Chemical Communications</i> , 2015, 51, 3832-3834.	2.2	22
662	Transition-Metal-Catalyzed Facile Access to 3,11-Dialkylfulminenes for Transistor Applications. <i>Organic Letters</i> , 2015, 17, 708-711.	2.4	22
663	4,9-Dihydro-s-indaceno[1,2-b:5,6-b TM]dithiophene-embedded electrochromic conjugated polymers with high coloration efficiency and fast coloration time. <i>Solar Energy Materials and Solar Cells</i> , 2015, 136, 92-99.	3.0	33
664	Low-Voltage Organic Transistors Based on Tetraceno[2,3-b</i>]thiophene: Contact Resistance and Air Stability. <i>Chemistry of Materials</i> , 2015, 27, 998-1004.	3.2	58
665	Crystalline Organic Materials Toward Laser Application. <i>Nano-optics and Nanophotonics</i> , 2015, , 69-86.	0.2	0
666	Highly sensitive thin film phototransistors based on a copolymer of benzodithiophene and diketopyrrolopyrrole. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1942-1948.	2.7	26
667	Temperature-Mediated Polymorphism in Molecular Crystals: The Impact on Crystal Packing and Charge Transport. <i>Chemistry of Materials</i> , 2015, 27, 112-118.	3.2	72
668	Synthesis and properties of hole-transporting triphenylamine-derived dendritic compounds. <i>Dyes and Pigments</i> , 2015, 115, 135-142.	2.0	9
669	Extended isoindigo core: synthesis and applications as solution-processable n-OFET materials in ambient conditions. <i>RSC Advances</i> , 2015, 5, 8340-8344.	1.7	25
670	Quinoidal Molecules as a New Class of Ambipolar Semiconductor Originating from Amphoteric Redox Behavior. <i>Advanced Functional Materials</i> , 2015, 25, 1146-1156.	7.8	74
671	Design, Synthesis, and Structure-Property Relationship Study of Polymer Field-Effect Transistors. <i>Springer Theses</i> , 2015, , .	0.0	2
672	Synthesis of conjugated polymers via an exclusive direct-arylation coupling reaction: a facile and straightforward way to synthesize thiophene-flanked benzothiadiazole derivatives and their copolymers. <i>Polymer Chemistry</i> , 2015, 6, 1846-1855.	1.9	70
673	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

#	ARTICLE	IF	CITATIONS
674	Substrate-Induced Phase of a [1]Benzothieno[3,2- <i>b</i>]benzothiophene Derivative and Phase Evolution by Aging and Solvent Vapor Annealing. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1868-1873.	4.0	54
675	Water/alcohol soluble conjugated polymers for the interface engineering of highly efficient polymer light-emitting diodes and polymer solar cells. <i>Chemical Communications</i> , 2015, 51, 5572-5585.	2.2	156
676	Nonvolatile Organic Field-Effect Transistors Memory Devices Using Supramolecular Block Copolymer/Functional Small Molecule Nanocomposite Electret. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5663-5673.	4.0	47
677	Effect of branched alkyl side chains on the performance of thin-film transistors and photovoltaic cells fabricated with isoindigo-based conjugated polymers. <i>Journal of Polymer Science Part A</i> , 2015, 53, 1226-1234.	2.5	23
678	Sulfoxide- ϵ -Directed Metal-Free <i>ortho</i> -Propargylation of Aromatics and Heteroaromatics. <i>Chemistry - A European Journal</i> , 2015, 21, 7428-7434.	1.7	80
679	Multi-color Poly(Fluorenylene Ethynylene)s with On-Chain Phosphorescent Iridium(III) Complexes Through Energy Transfer. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015, 25, 720-729.	1.9	3
680	Impact of the lateral length scales of dielectric roughness on pentacene organic field-effect transistors. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 105103.	1.3	11
681	Organic field-effect transistor-based gas sensors. <i>Chemical Society Reviews</i> , 2015, 44, 2087-2107.	18.7	373
683	Pyrene fused perylene diimides: synthesis, characterization and applications in organic field-effect transistors and optical limiting with high performance. <i>Chemical Communications</i> , 2015, 51, 7156-7159.	2.2	101
684	A Lysinated Thiophene-Based Semiconductor as a Multifunctional Neural Bioorganic Interface. <i>Advanced Healthcare Materials</i> , 2015, 4, 1190-1202.	3.9	20
685	Polarity Engineering of Conjugated Polymers by Variation of Chemical Linkages Connecting Conjugated Backbones. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5898-5906.	4.0	25
686	Low-temperature solution-processed alumina dielectric films for low-voltage organic thin film transistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 6639-6646.	1.1	11
687	<i>o</i> -Carborane functionalized pentacenes: synthesis, molecular packing and ambipolar organic thin-film transistors. <i>Chemical Communications</i> , 2015, 51, 12004-12007.	2.2	113
688	Concomitant conformational dimorphism in 1,2-bis(9-anthryl)acetylene. <i>CrystEngComm</i> , 2015, 17, 4877-4882.	1.3	10
689	Molecular Dynamics Simulations Reveal Inhomogeneity-Enhanced Stacking of Violanthrone-78-Based Polyaromatic Compounds in <i>n</i> -Heptane-Toluene Mixtures. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8660-8668.	1.2	18
690	Excited-State Conformational/Electronic Responses of Saddle-Shaped <i>N,N</i> -Disubstituted-Dihydrodibenzo[<i>a,c</i>]phenazines: Wide-Tuning Emission from Red to Deep Blue and White Light Combination. <i>Journal of the American Chemical Society</i> , 2015, 137, 8509-8520.	6.6	264
691	Low band-gap polymers incorporating benzotriazole and 5,6-dialkoxy-benzothiadiazole as solution processable electrochromic materials. <i>EXPRESS Polymer Letters</i> , 2015, 9, 496-508.	1.1	10
692	Nitrile-substituted thienyl and phenyl units as building blocks for high performance n-type polymer semiconductors. <i>Polymer Chemistry</i> , 2015, 6, 6579-6584.	1.9	16

#	ARTICLE	IF	CITATIONS
693	Understanding the Control of Singlet-Triplet Splitting for Organic Exciton Manipulating: A Combined Theoretical and Experimental Approach. <i>Scientific Reports</i> , 2015, 5, 10923.	1.6	151
694	Direct arylation polycondensation for efficient synthesis of narrow-bandgap alternating Dâ€‘A copolymers consisting of naphthalene diimide as an acceptor. <i>Polymer Chemistry</i> , 2015, 6, 6836-6844.	1.9	46
695	Synthesis, Spectral Characteristics and DFT Studies of the New Dye 2,7-diacetyl-9-((dimethylamino)methylene)-9H-fluorene (DMMF) in Different Solvents. <i>Journal of Fluorescence</i> , 2015, 25, 1303-1314.	1.3	5
696	An orthogonal Câ€‘H borylation â€‘ cross-coupling strategy for the preparation of tetrasubstituted â€‘ <i>Chemical Communications</i> , 2015, 51, 6115-6118.	2.2	11
697	Theoretical studies of molecular orientation and charge recombination in poly-paraphenylenevinylene light-emitting diodes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 20923-20931.	1.3	7
698	From non-detectable to decent: replacement of oxygen with sulfur in naphthalene diimide boosts electron transport in organic thin-film transistors (OTFT). <i>Journal of Materials Chemistry C</i> , 2015, 3, 8219-8224.	2.7	49
699	Copper-catalyzed oxidative Câ€‘H/Câ€‘H cross-coupling of benzamides and thiophenes. <i>Chemical Communications</i> , 2015, 51, 12823-12826.	2.2	66
700	Synthesis, structure and photophysical properties of regioisomeric sulfone-bridged pyreneâ€‘thienoacenes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 311, 25-29.	2.0	6
701	Donorâ€‘acceptorâ€‘donor conjugated oligomers based on isoindigo and anthra[1,2-b]thieno[2,3-d]thiophene for organic thin-film transistors: the effect of the alkyl side chain length on semiconducting properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7567-7574.	2.7	15
702	Effect of the side-chain size on the optical and electrical properties of confined-PPV derivatives. <i>Superlattices and Microstructures</i> , 2015, 85, 469-481.	1.4	7
703	Chemical doping enhances electronic transport in networks of hexabenzocoronenes assembled in non-aqueous electrolyte. <i>Polymer Chemistry</i> , 2015, 6, 5560-5564.	1.9	2
704	Structure and optoelectronic properties of helical pyridineâ€‘furan, pyridineâ€‘pyrrole and pyridineâ€‘thiophene oligomers. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 20647-20657.	1.3	19
705	Supramolecular Chirality in Self-Assembled Systems. <i>Chemical Reviews</i> , 2015, 115, 7304-7397.	23.0	1,562
706	Design and structureâ€‘property relationship of benzothienoisindigo in organic field effect transistors. <i>RSC Advances</i> , 2015, 5, 61035-61043.	1.7	36
707	A rational strategy for improving air-stability of OFETs via electronic tuning of substituents of benzene-fused bis(tetrathiafulvalene). <i>Tetrahedron</i> , 2015, 71, 5465-5471.	1.0	9
708	Influence of substitution pattern and enhanced Î€-conjugation on a family of thiophene functionalized 1,5-dithia-2,4,6,8-tetrazocines. <i>New Journal of Chemistry</i> , 2015, 39, 7272-7280.	1.4	5
709	Tuning the surface morphology of self-assembled graphene-like thin films through pH variation. <i>Applied Surface Science</i> , 2015, 353, 628-635.	3.1	21
710	Ultraviolet Pretreatment of Titanium Dioxide and Tin-Doped Indium Oxide Surfaces as a Promoter of the Adsorption of Organic Molecules in Dry Deposition Processes: Light Patterning of Organic Nanowires. <i>Langmuir</i> , 2015, 31, 8294-8302.	1.6	5

#	ARTICLE	IF	CITATIONS
711	Tuning the Solid State Emission of Thin Films/Microspheres Obtained from Alternating Oligo(3-octylthiophenes) and 2,6-Bis(pyrazole)pyridine Copolymers by Varying Conjugation Length and Eu ³⁺ /Tb ³⁺ Metal Coordination. <i>Macromolecules</i> , 2015, 48, 4801-4812.	2.2	26
712	Efficient routes towards a series of 5,5'-bithiazolidinylidenes as π -electron acceptors. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 8479-8486.	1.5	14
713	High-performance polymer field-effect transistors fabricated with low-bandgap DPP-based semiconducting materials. <i>Polymer Chemistry</i> , 2015, 6, 6457-6464.	1.9	20
714	(3E,8E)-3,8-Bis(2-oxoindolin-3-ylidene)naphtho-[1,2-b:5,6-b']difuran-2,7(3H,8H)-dione (INDF) based polymers for organic thin-film transistors with highly balanced ambipolar charge transport characteristics. <i>Chemical Communications</i> , 2015, 51, 13515-13518.	2.2	35
715	New α -ketovinyl phosphonates: inexpensive synthesis, isomerization studies and route for functionalized 1,3-butadienes. <i>Tetrahedron</i> , 2015, 71, 5538-5546.	1.0	1
716	Well-controlled thieno[3,4-c]pyrrole-4,6-(5H)-dione based conjugated polymers for high performance organic photovoltaic cells with the power conversion efficiency exceeding 9%. <i>Energy and Environmental Science</i> , 2015, 8, 2352-2356.	15.6	109
717	Synthesis of planar dibenzo[de,op]bistetracene derivatives for organic field-effect transistor applications: substituent effect on crystal packing and charge transport property. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7583-7588.	2.7	15
718	Synthesis of poly(thiophene-alt-pyrrole) from a difunctionalized thienylpyrrole by Kumada polycondensation. <i>Tetrahedron</i> , 2015, 71, 5399-5406.	1.0	7
719	Synthesis of monolateral and bilateral sulfur-heterocycle fused naphthalene diimides (NDIs) from monobromo and dibromo NDIs. <i>Organic Chemistry Frontiers</i> , 2015, 2, 372-377.	2.3	11
720	Strong Intermolecular Electronic Coupling of Chromophores Confined in Hydrogen-Bonded Frameworks. <i>Crystal Growth and Design</i> , 2015, 15, 3366-3373.	1.4	3
721	Red-to-black electrochromism of 4,9-dihydro-s-indaceno[1,2-b:5,6-b']dithiophene-embedded conjugated polymers. <i>Journal of Materials Science</i> , 2015, 50, 5856-5864.	1.7	15
722	Highly efficient photovoltaics and field-effect transistors based on copolymers of mono-fluorinated benzothiadiazole and quaterthiophene: synthesis and effect of the molecular weight on device performance. <i>Polymer Chemistry</i> , 2015, 6, 6050-6057.	1.9	15
723	Benzobisoxazole-based electron transporting materials with high T_g and ambipolar property: high efficiency deep-red phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7589-7596.	2.7	25
724	Direct Evidence for Secondary Interactions in Planar and Nonplanar Aromatic π -Conjugates and Their Photophysical Characteristics in Solid-State Assemblies. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5102-5112.	1.2	8
725	One-Pot Synthesis of Brightly Fluorescent Mes ₂ -B-Functionalized Indolizine Derivatives via Cycloaddition Reactions. <i>Organic Letters</i> , 2015, 17, 2486-2489.	2.4	36
726	One-dimensional (1D) micro/nanostructures of organic semiconductors for field-effect transistors. <i>Science China Chemistry</i> , 2015, 58, 937-946.	4.2	22
727	Rhodium(III)-Catalyzed <i>ortho</i> -C-H Heteroarylation of (Hetero)aromatic Carboxylic Acids: A Rapid and Concise Access to π -Conjugated Polyheterocycles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7167-7170.	7.2	122
728	High mobility organic semiconductors for field-effect transistors. <i>Science China Chemistry</i> , 2015, 58, 947-968.	4.2	129

#	ARTICLE	IF	CITATIONS
729	Nanomorphology in thin films of acetamide end-functionalised quaterthiophene. <i>Thin Solid Films</i> , 2015, 583, 108-114.	0.8	0
730	cis and trans Isomers distinguished by imidazole N-alkylation after Debus-Radziszewski reaction starting from 2,7-di-tert-butyl-pyrene-4,5,9,10-tetraone. <i>Tetrahedron</i> , 2015, 71, 3195-3202.	1.0	16
731	The position effect of an ethynyl spacer on the carrier mobility of anthracene derivatives. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5368-5371.	2.7	14
733	Solution-processed single-crystal perylene diimide transistors with high electron mobility. <i>Organic Electronics</i> , 2015, 23, 64-69.	1.4	9
734	Imaging the Predicted Isomerism of Oligo(aniline)s: A Scanning Tunneling Microscopy Study. <i>Small</i> , 2015, 11, 3430-3434.	5.2	11
735	Synthesis and characterization of 2,7-diarylspiro[cyclopentane-1,9-fluorene] derivatives. <i>Monatshefte für Chemie</i> , 2015, 146, 1519-1527.	0.9	5
736	Regioselective Metal-Free One-Pot Synthesis of Functionalized 2-Aminothiophene Derivatives. <i>Journal of Organic Chemistry</i> , 2015, 80, 4611-4617.	1.7	55
737	Blue-emitting pyrene-based aggregates. <i>Chemical Communications</i> , 2015, 51, 10142-10145.	2.2	17
738	Molecular Template Growth and Its Applications in Organic Electronics and Optoelectronics. <i>Chemical Reviews</i> , 2015, 115, 5570-5603.	23.0	198
739	N-Fused BDOPV: a tetralactam derivative as a building block for polymer field-effect transistors. <i>Chemical Communications</i> , 2015, 51, 10514-10516.	2.2	32
740	Air-stable n-channel organic field-effect transistors based on a sulfur rich π -electron acceptor. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3569-3573.	2.7	27
741	Alkyl- π -engineering in state control toward versatile optoelectronic soft materials. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 014805.	2.8	37
742	Monolayer Field-Effect Transistors of Nonplanar Organic Semiconductors with Brickwork Arrangement. <i>Advanced Materials</i> , 2015, 27, 3418-3423.	11.1	85
743	The structure-property relationship study of electron-deficient dihydroindeno[2,1-b]fluorene derivatives for n-type organic field effect transistors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5742-5753.	2.7	46
744	Rh(III)-Catalyzed Decarboxylative ortho-Heteroarylation of Aromatic Carboxylic Acids by Using the Carboxylic Acid as a Traceless Directing Group. <i>Organic Letters</i> , 2015, 17, 1762-1765.	2.4	114
745	Cyano- and chloro-substituted coronene diimides as solution-processable electron-transporting semiconductors. <i>Chemical Communications</i> , 2015, 51, 7144-7147.	2.2	21
746	Molecular design of DBT/DBF hybrid thiophenes π -conjugated systems and comparative study of their electropolymerization and optoelectronic properties: from comonomers to electrochromic polymers. <i>Polymer Chemistry</i> , 2015, 6, 4575-4587.	1.9	48
747	Tuning the ambipolar charge transport properties of N-heteropentacenes by their frontier molecular orbital energy levels. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4188-4196.	2.7	33

#	ARTICLE	IF	CITATIONS
748	Single-junction Organic Solar Cells Based on a Novel Wide-bandgap Polymer with Efficiency of 9.7%. <i>Advanced Materials</i> , 2015, 27, 2938-2944.	11.1	487
749	Electrochemical processes and mechanistic aspects of field-effect sensors for biomolecules. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6445-6470.	2.7	79
750	Structure property relationships of benzo[b]thiophen/benzo[b]furan end-capped naphthalene oligomers and their application for organic field effect transistors. <i>RSC Advances</i> , 2015, 5, 31018-31023.	1.7	8
751	Role of the HOMO-1 Orbital on the p-Type Charge Transport of the Fused-Ring Thienoacene DBTDT. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11499-11505.	1.5	18
752	Air-Processable Silane-Coupled Polymers to Modify a Dielectric for Solution-Processed Organic Semiconductors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5274-5280.	4.0	4
753	Synthesis, Characterization, and Field-Effect Transistors Properties of Novel Copolymers Incorporating Nonplanar Biindeno[2,1-b]thiophenylidene Building Blocks. <i>Macromolecules</i> , 2015, 48, 2444-2453.	2.2	26
754	A family of extended heterocyclic oligomers with thienylene/thiazolylene vinylene cores and triphenylamino/carbazolyl terminals. <i>Tetrahedron</i> , 2015, 71, 3966-3975.	1.0	2
755	Postfunctionalization of BN-Embedded Polycyclic Aromatic Compounds for Fine-Tuning of Their Molecular Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 8867-8873.	1.7	41
756	First principles study of the electronic structure and phonon dispersion of naphthalene under pressure. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 83, 24-31.	1.9	15
757	Tuning the Semiconducting Behaviors of New Alternating Dithienyldiketopyrrolopyrrole "Azulene Conjugated Polymers by Varying the Linking Positions of Azulene. <i>Macromolecules</i> , 2015, 48, 2039-2047.	2.2	76
758	Is a polymer semiconductor having a "perfect" regular structure desirable for organic thin film transistors?. <i>Chemical Science</i> , 2015, 6, 3225-3235.	3.7	47
759	Thienothiophenes, Dithienothiophenes, and Thienoacenes: Syntheses, Oligomers, Polymers, and Properties. <i>Chemical Reviews</i> , 2015, 115, 3036-3140.	23.0	494
760	Conjugation-Break Spacers in Semiconducting Polymers: Impact on Polymer Processability and Charge Transport Properties. <i>Macromolecules</i> , 2015, 48, 2048-2053.	2.2	106
761	Synthesis and characterization of novel butterfly-shaped aryl-substituted indolo[2,3-a]carbazole derivatives. <i>Tetrahedron Letters</i> , 2015, 56, 2223-2227.	0.7	13
762	Acceptor-Donor-Acceptor Type Small Molecular Low Band Gap Organic Semiconductors Containing 2,6-Dicyanomethylenetriamino-4,5-trimethyl-2H-dihydrofuran. <i>Chinese Journal of Chemistry</i> , 2015, 33, 934-938.	2.6	3
763	Positioning and joining of organic single-crystalline wires. <i>Nature Communications</i> , 2015, 6, 6737.	5.8	87
764	Rh(III)-Catalyzed Oxidative Annulation of 2-Phenylimidazo[1,2-a]pyridines with Alkynes: Mono versus Double C-H Activation. <i>Journal of Organic Chemistry</i> , 2015, 80, 3471-3479.	1.7	117
765	Organocatalyzed benzannulation for the construction of diverse anthraquinones and tetracenediones. <i>Chemical Communications</i> , 2015, 51, 8592-8595.	2.2	29

#	ARTICLE	IF	CITATIONS
766	Polymorphism in New Thienothiophene- <i>Thiazolothiazole</i> Organic Semiconductors. <i>ChemPhysChem</i> , 2015, 16, 1173-1178.	1.0	15
767	A conductive liquid crystal via facile doping of an n-type benzodifurandione derivative. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6929-6934.	5.2	14
768	Molecular Engineering of Nonhalogenated Solution-Processable Bithiazole-Based Electron-Transport Polymeric Semiconductors. <i>Chemistry of Materials</i> , 2015, 27, 2928-2937.	3.2	79
769	Incorporation of polycyclic azaborine compounds into polythiophene-type conjugated polymers for organic field-effect transistors. <i>Chemical Communications</i> , 2015, 51, 17532-17535.	2.2	91
770	Recent advances in polymer phototransistors. <i>Polymer Chemistry</i> , 2015, 6, 7933-7944.	1.9	76
771	Dithieno[3,2-b:2 <i>a</i> :3 <i>d</i>]furan as a new building block for fused conjugated systems. <i>Tetrahedron Letters</i> , 2015, 56, 6251-6253.	0.7	7
772	Solution processed thick film organic solar cells. <i>Polymer Chemistry</i> , 2015, 6, 8081-8098.	1.9	86
773	Nanoparticles made of π -conjugated compounds targeted for chemical and biological applications. <i>Chemical Communications</i> , 2015, 51, 16733-16749.	2.2	91
774	Theoretical studies on the carrier tunability of oxidized oligothiophenes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26703-26709.	1.3	9
775	Thienopentathiepine: a sulfur containing fused heterocycle for conjugated systems and their electrochemical polymerization. <i>Polymer Chemistry</i> , 2015, 6, 7658-7665.	1.9	23
776	Enhancing Phase Separation and Photovoltaic Performance of All-Conjugated Donor- <i>Acceptor</i> Block Copolymers with Semifluorinated Alkyl Side Chains. <i>Macromolecules</i> , 2015, 48, 7851-7860.	2.2	52
777	Tuning exchange interactions in organometallic semiconductors. , 2015, , .		0
778	Ruthenium(II) Catalyzed Regiospecific C-H/O-H Annulations of Directing Arenes via Weak Coordination. <i>Organic Letters</i> , 2015, 17, 5678-5681.	2.4	32
779	Electroluminescence and fluorescence response towards acid vapors depending on the structures of indole-fused phospholes. <i>RSC Advances</i> , 2015, 5, 94990-94996.	1.7	33
780	The Role of Linkers in the Excited-State Dynamic Planarization Processes of Macrocyclic Oligothiophene 12-Mers. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4444-4450.	2.1	15
781	Conductive Polymer Fibers for Sensor Devices. , 2015, , 63-78.		1
782	Evidence for Solid State Electrochemical Degradation Within a Small Molecule OLED. <i>Electrochimica Acta</i> , 2015, 184, 86-93.	2.6	15
783	New bithiophene-containing electroluminescent polymer: Synthesis, characterization, optical and electrical properties. <i>Optical Materials</i> , 2015, 50, 144-153.	1.7	17

#	ARTICLE	IF	CITATIONS
784	Synthesis of Benzofuro- and Indolo[3,2- <i>b</i>]indoles via Palladium-Catalyzed Double <i>N</i> -Arylation and Their Physical Properties. <i>Journal of Organic Chemistry</i> , 2015, 80, 11566-11572.	1.7	31
785	Touching polymer chains by organic field-effect transistors. <i>Scientific Reports</i> , 2015, 4, 6387.	1.6	5
786	Key factors in determining the arrangement of π -conjugated oligomers inside carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22668-22677.	1.3	12
787	Indoloquinoline as a terminal building block for the construction of π -conjugated small molecules relevant to organic electronics. <i>Dyes and Pigments</i> , 2015, 123, 139-146.	2.0	16
788	Patchable thin-film strain gauges based on pentacene transistors. <i>Organic Electronics</i> , 2015, 26, 355-358.	1.4	9
789	Geminal Cross-Coupling of 1,1-Dibromoolefins Facilitating Multiple Topological π -Conjugated Tetraarylethenes. <i>Macromolecules</i> , 2015, 48, 7823-7835.	2.2	33
790	Suppression of Low-Frequency Electronic Noise in Polymer Nanowire Field-Effect Transistors. <i>Nano Letters</i> , 2015, 15, 7245-7252.	4.5	12
791	Helical and Nonhelical Structures of Vinylene- and Azomethine-Linked Heterocyclic Oligomers: A Computational Study of Conformation-Dependent Optoelectronic Properties. <i>Journal of Physical Chemistry C</i> , 2015, 119, 22855-22865.	1.5	5
792	Synthesis of Polyheteroaromatic Compounds via Rhodium-Catalyzed Multiple C-H Bond Activation and Oxidative Annulation. <i>Organic Letters</i> , 2015, 17, 5032-5035.	2.4	59
793	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
794	Steric and Electronic Substituent Effects Influencing Regioselectivity of Tetracene Endoperoxidation. <i>Journal of Organic Chemistry</i> , 2015, 80, 11086-11091.	1.7	19
795	Regio- and stereoselective construction of stimuli-responsive macromolecules by a sequential coupling-hydroamination polymerization route. <i>Polymer Chemistry</i> , 2015, 6, 8297-8305.	1.9	27
796	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
797	Electronic and Morphological Studies of Conjugated Polymers Incorporating a Disk-Shaped Polycyclic Aromatic Hydrocarbon Unit. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20034-20045.	4.0	8
798	Spectroelectrochemical Analysis of Charge Carriers as a Way of Improving Poly(<i>p</i> -phenylene)-Based Electrochromic Windows. <i>Journal of Physical Chemistry C</i> , 2015, 119, 20188-20200.	1.5	16
799	¹⁹ F NMR-, ESR-, and vis-NIR-spectroelectrochemical study of the unconventional reduction behaviour of a perfluoroalkylated fullerene: dimerization of the C ₇₀ (CF ₃) ₁₀ radical anion. <i>Analyst</i> , 2015, 140, 7209-7216.	1.7	9
800	Progress in side-chain thiophene-containing polymers: synthesis, properties and applications. <i>Science China Chemistry</i> , 2015, 58, 1641-1650.	4.2	14
801	Palladium(II)-Catalyzed Direct C-H Alkenylation of Thienothiophene and Related Fused Heteroarenes. <i>Organic Letters</i> , 2015, 17, 4384-4387.	2.4	31

#	ARTICLE	IF	CITATIONS
802	Solution-Processed Organic Field Effect Transistor Using a Liquid Crystalline Semiconductor, 8TNAT8. Molecular Crystals and Liquid Crystals, 2015, 613, 88-93.	0.4	0
803	Biaxially Extended Conjugated Polymers with Thieno[3,2- <i>b</i>]thiophene Building Block for High Performance Field-Effect Transistor Applications. Macromolecules, 2015, 48, 5596-5604.	2.2	14
804	Graphene-Assisted Solution Growth of Vertically Oriented Organic Semiconducting Single Crystals. ACS Nano, 2015, 9, 9486-9496.	7.3	46
805	Extracting dimer structures from simulations of organic-based materials using QM/MM methods. Chemical Physics, 2015, 459, 112-124.	0.9	4
806	Recent progress in organic resistance memory with small molecules and inorganic-organic hybrid polymers as active elements. Journal of Materials Chemistry C, 2015, 3, 10055-10065.	2.7	148
807	Liquid Crystalline Polymers. , 2015, , .		12
808	Chemical accuracy from quantum Monte Carlo for the benzene dimer. Journal of Chemical Physics, 2015, 143, 104301.	1.2	19
809	Phototransistors based on a donor-acceptor conjugated polymer with a high response speed. Journal of Materials Chemistry C, 2015, 3, 10734-10741.	2.7	26
810	Narrow band gap conjugated polymers for emergent optoelectronic technologies. , 2015, , .		0
811	A novel D- A small molecule with N -heteroacene as acceptor moiety for photovoltaic application. Dyes and Pigments, 2015, 122, 231-237.	2.0	16
812	Synthesis of Boron-Doped Polycyclic Aromatic Hydrocarbons by Tandem Intramolecular Electrophilic Arene Borylation. Organic Letters, 2015, 17, 6158-6161.	2.4	93
813	High mobility emissive organic semiconductor. Nature Communications, 2015, 6, 10032.	5.8	420
814	Large π -Conjugated Quinacridone Derivatives: Syntheses, Characterizations, Emission, and Charge Transport Properties. Organic Letters, 2015, 17, 6146-6149.	2.4	23
815	End Capping Does Matter: Enhanced Order and Charge Transport in Conjugated Donor-Acceptor Polymers. Macromolecules, 2015, 48, 6369-6377.	2.2	48
816	Controlled Assembly of Poly(3-hexylthiophene): Managing the Disorder to Order Transition on the Nano-through Meso-scales. Advanced Functional Materials, 2015, 25, 920-927.	7.8	72
817	Rewritable Multilevel Memory Performance of a Tetraazatetracene Donor-Acceptor Derivative with Good Endurance. Chemistry - an Asian Journal, 2015, 10, 116-119.	1.7	65
818	Characterization of New Rubrene Analogues with Heteroaryl Substituents. Crystal Growth and Design, 2015, 15, 442-448.	1.4	26
819	Organic Thin Film Transistors Based on Highly Dipolar Donor-Acceptor Polymethine Dyes. Advanced Functional Materials, 2015, 25, 44-57.	7.8	42

#	ARTICLE	IF	CITATIONS
820	Wearable Magnetic Field Sensors for Flexible Electronics. <i>Advanced Materials</i> , 2015, 27, 1274-1280.	11.1	201
821	Synthesis, characterization and field-effect transistor performance of a benzoannulated pentathienoacene derivative. <i>New Journal of Chemistry</i> , 2015, 39, 1045-1050.	1.4	3
822	A versatile strategy to directly synthesize 4,8-functionalized benzo[1,2-b:4,5-b']difurans for organic electronics. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1920-1924.	5.2	20
823	A sol-gel titanium-silicon oxide/organic hybrid dielectric for low-voltage organic thin film transistors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 968-972.	2.7	15
824	Use of heteroaromatic spacers in isoindigo-benzothiadiazole polymers for ambipolar charge transport. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26512-26518.	1.3	9
825	A Unique Solution-Processable n-Type Semiconductor Material Design for High-Performance Organic Field-Effect Transistors. <i>Chemistry of Materials</i> , 2015, 27, 141-147.	3.2	76
826	Ambient-Stable, Annealing-Free, and Ambipolar Organic Field-Effect Transistors Based on Solution-Processable Poly(2,2'-bis(trifluoromethyl)biphenyl-5,5'-diylthiophene) without Long Alkyl Side Chains. <i>Advanced Functional Materials</i> , 2015, 25, 606-614.	7.8	17
827	Simulations of Molecular Ordering and Charge-Transport of Oligo-Didodecylquaterthiophenes (DDQT). <i>Journal of Physical Chemistry C</i> , 2015, 119, 158-165.	1.5	9
828	Thiophene-fused bowl-shaped polycyclic aromatics with a dibenzo[a,g]corannulene core for organic field-effect transistors. <i>Chemical Communications</i> , 2015, 51, 1681-1684.	2.2	72
829	Different electronic and charge-transport properties of four organic semiconductors Tetraazaperopyrenes derivatives. <i>Journal of Molecular Structure</i> , 2015, 1083, 65-71.	1.8	8
830	Synergic effect of unsaturated inner bridges and polymorphism for tuning the optoelectronic properties of 2,3-thieno(bis)imide based materials. <i>Journal of Materials Chemistry C</i> , 2015, 3, 121-131.	2.7	16
831	Flexible Low-Voltage Organic Complementary Circuits: Finding the Optimum Combination of Semiconductors and Monolayer Gate Dielectrics. <i>Advanced Materials</i> , 2015, 27, 207-214.	11.1	106
832	Ferromagnetic spins interaction in networked triarylamine polymers. <i>Synthetic Metals</i> , 2015, 199, 27-32.	2.1	2
833	Highly photosensitive thienoacene single crystal microplate transistors via optimized dielectric. <i>Organic Electronics</i> , 2015, 16, 171-176.	1.4	19
834	Effect of monomers' structure on self-acid-assisted polycondensation for the synthesis of poly(3,4-ethylenedioxythiophene) and homopolythiophene. <i>Polymer Chemistry</i> , 2015, 6, 1014-1022.	1.9	11
835	Conjugated Aromatics Based on Truxene: Synthesis, Self-Assembly, and Applications. <i>Chemical Record</i> , 2015, 15, 52-72.	2.9	49
836	BN Heterosuperbenzenes: Synthesis and Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 3528-3539.	1.7	379
837	Poly(vinyl alcohol) gate dielectric surface treatment with vitamin C for poly(3-hexylthiophene-2,5-diyl) based field effect transistors performance improvement. <i>Organic Electronics</i> , 2015, 17, 22-27.	1.4	25

#	ARTICLE	IF	CITATIONS
838	Thienoacene dimers based on the thieno[3,2-b]thiophene moiety: synthesis, characterization and electronic properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 674-685.	2.7	62
839	Detection of nitroaromatic vapours with diketopyrrolopyrrole thin films: exploring the role of structural order and morphology on thin film properties and fluorescence quenching efficiency. <i>Chemical Communications</i> , 2015, 51, 1143-1146.	2.2	22
840	Solubility and Crystallizability: Facile Access to Functionalized π -Conjugated Compounds with Chlorendylimide Protecting Groups. <i>Chemistry - A European Journal</i> , 2015, 21, 1542-1553.	1.7	10
841	New Synthesis of 3,6-Dibromophthalonitrile and Phthalocyanine Having Eight Thienyl Substituents at Peripheral π -Positions. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 1230-1233.	1.4	4
842	Solvent boiling point affects the crystalline properties and performances of anthradithiophene-based devices. <i>Dyes and Pigments</i> , 2015, 114, 60-68.	2.0	11
844	Alkylsilane-functionalized perylene diimide derivatives with differential gas sensing properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 466-472.	2.7	19
845	Ambipolar copolymer of dithienocoronene di-imide and benzo(bis)thiadiazole with balanced hole and electron mobility. <i>Organic Electronics</i> , 2015, 16, 101-108.	1.4	10
846	Polycyclic anthanthrene small molecules: semiconductors for organic field-effect transistors and solar cells applications. <i>Journal of Materials Chemistry C</i> , 2015, 3, 601-606.	2.7	34
847	Herringbone to cofacial solid state packing via H-bonding in diketopyrrolopyrrole (DPP) based molecular crystals: influence on charge transport. <i>Chemical Communications</i> , 2015, 51, 97-100.	2.2	56
848	A pyridine-flanked diketopyrrolopyrrole (DPP)-based donor-acceptor polymer showing high mobility in ambipolar and n-channel organic thin film transistors. <i>Polymer Chemistry</i> , 2015, 6, 938-945.	1.9	67
849	Diindolo[2,3-a:2'-b']pyrrolo[3,2-b']pyrroles as Electron-Rich, Ladder-Type Fluorophores: Synthesis and Optical Properties. <i>Chemistry - an Asian Journal</i> , 2015, 10, 212-218.	1.7	43
850	Crystallization-induced emission of styrylbenzoxazole derivate with response to proton. <i>Dyes and Pigments</i> , 2015, 112, 255-261.	2.0	36
851	A biomass-derived safe medium to replace toxic dipolar solvents and access cleaner Heck coupling reactions. <i>Green Chemistry</i> , 2015, 17, 365-372.	4.6	120
852	Naphthalene diimide cocrystals: A facile approach to tune the optical properties. <i>Dyes and Pigments</i> , 2015, 113, 318-324.	2.0	12
853	Synthesis of Extended π -Systems through C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 66-81.	7.2	579
854	A phthalimide- and diketopyrrolopyrrole-based A_{1-2} conjugated polymer for high-performance organic thin-film transistors. <i>Polymer Chemistry</i> , 2015, 6, 418-425.	1.9	15
856	Syntheses of dibenzo[<i>d</i> , <i>d'</i>]benzo[2,1- <i>b</i> :3,4- <i>b'</i>]difuran derivatives and their application to organic field-effect transistors. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 805-812.	1.3	18
857	Thiophene-forming one-pot synthesis of three thienyl-bridged oligophenothiazines and their electronic properties. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2055-2064.	1.3	11

#	ARTICLE	IF	CITATIONS
858	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
859	Phenanthrylene-butadiynylene and Phenanthrylene-thienylene Macrocycles: Synthesis, Structure, and Properties. Journal of Organic Chemistry, 2016, 81, 6244-6252.	1.7	17
860	The prediction of hole mobility in organic semiconductors and its calibration based on the grain-boundary effect. Physical Chemistry Chemical Physics, 2016, 18, 21371-21380.	1.3	9
861	Strong Electron-Deficient Polymers Lead to High Electron Mobility in Air and Their Morphology-Dependent Transport Behaviors. Advanced Materials, 2016, 28, 7213-7219.	11.1	168
862	Novel Air Stable Organic Radical Semiconductor of Dimers of Dithienothiophene, Single Crystals, and Field-Effect Transistors. Advanced Materials, 2016, 28, 7466-7471.	11.1	39
863	A General Method for Growing Two-Dimensional Crystals of Organic Semiconductors by α -Solution Epitaxy. Angewandte Chemie, 2016, 128, 9671-9675.	1.6	28
864	A Sulfur Heterocyclic Quinone Cathode and a Multifunctional Binder for a High-Performance Rechargeable Lithium-Ion Battery. Angewandte Chemie - International Edition, 2016, 55, 6428-6432.	7.2	183
865	Cubic Polyhedral Oligomeric Silsesquioxane Based Functional Materials: Synthesis, Assembly, and Applications. Chemistry - an Asian Journal, 2016, 11, 1322-1337.	1.7	142
866	Zn-Shaped Pyrrolo[3,2-b]pyrroles and Their Transformation into β -Expanded Indolo[3,2-b]indoles. Chemistry - A European Journal, 2016, 22, 5198-5203.	1.7	39
867	Full Characterization and Photoelectrochemical Behavior of Pyrene-fused Octaazadecacene and Tetrazaooctacene. Chemistry - an Asian Journal, 2016, 11, 482-485.	1.7	28
868	Copper Causes Regiospecific Formation of C ₄ F ₈ -Containing Six-Membered Rings and their Defluorination/Aromatization to C ₄ F ₄ -Containing Rings in Triphenylene/1,4-C ₄ F ₈ I ₂ Reactions. Chemistry - A European Journal, 2016, 22, 874-877.	1.7	16
869	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
870	BN-embedded aromatics for optoelectronic applications. Chinese Chemical Letters, 2016, 27, 1139-1146.	4.8	104
871	P-99: Pneumatic Nozzle Printing as a Versatile Approach to Crystal Growth Management and Patterning of Printed Organic Thin Film Transistors. Digest of Technical Papers SID International Symposium, 2016, 47, 1502-1505.	0.1	6
872	Growth and Manipulation of Organic Semiconductors Microcrystals by Wet Lithography. Advanced Functional Materials, 2016, 26, 2387-2393.	7.8	4
873	Design, Synthesis, and Versatile Processing of Indolo[3,2-b]indole-Based β -Conjugated Molecules for High-Performance Organic Field-Effect Transistors. Advanced Functional Materials, 2016, 26, 2966-2973.	7.8	54
874	Alignment and Patterning of Ordered Small-Molecule Organic Semiconductor Micro-Nanocrystals for Device Applications. Advanced Materials, 2016, 28, 2475-2503.	11.1	129
875	A Sulfur Heterocyclic Quinone Cathode and a Multifunctional Binder for a High-Performance Rechargeable Lithium-Ion Battery. Angewandte Chemie, 2016, 128, 6538-6542.	1.6	29

#	ARTICLE	IF	CITATIONS
876	Cu(OAc) ₂ -Mediated Cascade Annulation of Diarylalkyne Sulfonamides through Dual C–N Bond Formation: Synthesis of 5,10-Dihydroindolo[3,2-b]indoles. <i>Organic Letters</i> , 2016, 18, 3322-3325.	2.4	49
877	Rapid Access to 2,2-Bithiazole-Based Copolymers via Sequential Palladium-Catalyzed C–H/C–X and C–H/C–H Coupling Reactions. <i>Macromolecular Rapid Communications</i> , 2016, 37, 794-798.	2.0	23
878	Sequence Effects in Conjugated Donor-Acceptor Trimers and Polymers. <i>Macromolecular Rapid Communications</i> , 2016, 37, 882-887.	2.0	23
879	A General Method for Growing Two-Dimensional Crystals of Organic Semiconductors by μ -Solution Epitaxy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9519-9523.	7.2	153
880	Thieno[3,4-c]pyrrole-4,6-dione and Dithiophene-Based Conjugated Polymer for Organic Field Effect Transistors: High Mobility Induced by Synergic Effect of H-Bond and Vinyl Linkage. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1357-1363.	2.0	7
881	Organic Light-Emitting Transistors: Materials, Device Configurations, and Operations. <i>Small</i> , 2016, 12, 1252-1294.	5.2	171
882	Deformation Effect on the Electrical Properties of a Flexible Organic Semiconductor composed of Poly(dimethylsiloxane) and Multiwalled Carbon Nanotubes. <i>Advanced Electronic Materials</i> , 2016, 2, 1500421.	2.6	0
883	Highly Contorted 1,2,5-Thiadiazole-Fused Aromatics for Solution-Processed Field-Effect Transistors: Synthesis and Properties. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2188-2200.	1.7	9
884	Utilization of hole trapping effect of aromatic amines to convert polymer semiconductor from ambipolar into n-type. <i>Organic Electronics</i> , 2016, 37, 190-196.	1.4	10
885	Rhodium-Catalyzed C ₁ S and C ₁ N Functionalization of Arenes: Combination of C ₁ H Activation and Hypervalent Iodine Chemistry. <i>Chemistry - A European Journal</i> , 2016, 22, 511-516.	1.7	54
886	Fully Solution-Processed Conductive Films Based on Colloidal Copper Selenide Nanosheets for Flexible Electronics. <i>Advanced Functional Materials</i> , 2016, 26, 3670-3677.	7.8	46
887	Charge Transport in Organic and Polymeric Semiconductors for Flexible and Stretchable Devices. <i>Advanced Materials</i> , 2016, 28, 4513-4523.	11.1	185
888	The Impact of Interlayer Electronic Coupling on Charge Transport in Organic Semiconductors: A Case Study on Titanylphthalocyanine Single Crystals. <i>Angewandte Chemie</i> , 2016, 128, 5292-5295.	1.6	7
889	Fabrication of Organic Thin-Film Transistors Based on Bis(octylphenyl)chrysenes. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2016, 29, 331-334.	0.1	1
890	Progress of pyrene-based organic semiconductor in organic field effect transistors. <i>Science China Chemistry</i> , 2016, 59, 1623-1631.	4.2	52
891	A quantum-chemical study of conformational and electronic properties of ter-anthrylene-ethynylene derivatives in neutral and ionized states. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 639, 55-63.	0.4	1
892	Carrier transport property of truxene discotic liquid crystals with three different ring substituents. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 03DE01.	0.8	1
893	Synthesis and Optoelectronic Properties of Thiophene-Based Semiconducting Oligomers. <i>ChemistrySelect</i> , 2016, 1, 6872-6879.	0.7	0

#	ARTICLE	IF	CITATIONS
894	Twist and shout: a surprising synergy between aryl and N-substituents defines the computed charge transport properties in a series of crystalline diketopyrrolopyrroles. <i>CrystEngComm</i> , 2016, 18, 9382-9390.	1.3	10
895	Intermolecular interactions of oligothienoacenes: Do S \cdots S interactions positively contribute to crystal structures of sulfur-containing aromatic molecules?. <i>Journal of Chemical Physics</i> , 2016, 145, 174503.	1.2	23
896	Narrow band-gap copolymers with two acceptors of benzo[1,2-c:3,4-c' ϵ ']bis[1,2,5]thiadiazole and Benzo[c][1,2,5] thiadiazole: Synthesis, characteristics and application in field-effect transistors. <i>Dyes and Pigments</i> , 2016, 130, 291-297.	2.0	11
897	Visible-light photocatalyzed synthesis of 2-aryl N -methylpyrroles, furans and thiophenes utilizing arylsulfonyl chlorides as a coupling partner. <i>Tetrahedron</i> , 2016, 72, 2521-2526.	1.0	36
898	Does oligomerization in fused thiophene affect reactivity and aromaticity?. <i>Journal of Chemical Sciences</i> , 2016, 128, 311-324.	0.7	3
899	Naphthodithieno[3,2-b]thiophene-based donor-acceptor copolymers: Synthesis, characterization, and their photovoltaic and charge transport properties. <i>Dyes and Pigments</i> , 2016, 131, 1-8.	2.0	8
900	Effect of the ethynylene linker on the properties and carrier mobility of naphthalene derivatives with hexylbithienyl arms. <i>Synthetic Metals</i> , 2016, 217, 156-171.	2.1	7
901	Designing Thermally Stable Conjugated Polymers with Balanced Ambipolar Field-Effect Mobilities by Incorporating Cyanovinylene Linker Unit. <i>Macromolecules</i> , 2016, 49, 2985-2992.	2.2	27
902	Single crystal X-ray diffraction and Hirshfeld surface analyses of supramolecular assemblies in certain hydrogen bonded heterocyclic organic crystals. <i>Journal of Molecular Structure</i> , 2016, 1122, 146-156.	1.8	35
903	Palladium-Catalyzed Annulation of Internal Alkynes: Direct Access to π -Conjugated Ullazines. <i>Organic Letters</i> , 2016, 18, 2876-2879.	2.4	37
904	Synthesis and Characterization of New Fluorinated Tetrazines Displaying a High Fluorescence Yield. <i>Journal of Fluorescence</i> , 2016, 26, 1349-1356.	1.3	9
905	A comparative study of the electronic spectra, fluorescence quantum yields, cyclic voltammograms and theoretical calculations of phenanthrene-type benzodifurans. <i>Tetrahedron</i> , 2016, 72, 4159-4168.	1.0	6
906	Exploring an Emissive Charge Transfer Process in Zero-Twist Donor-Acceptor Molecular Design as a Dual-State Emitter. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12723-12733.	1.5	46
907	A unique annulation of 7-azaindoles with alkenyl esters to produce π -conjugated 7-azaindole derivatives. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 5214-5218.	1.5	32
908	Exciton Delocalization in H ₂ OBPc-MOBPc (M = Tj ETQqO O O rgBT /Overlock) 11966-11976.	1.5	4
909	Modulation of charge carrier mobility by side-chain engineering of bi(thienylenevinylene)thiophene containing PPE-PPVs. <i>RSC Advances</i> , 2016, 6, 51642-51648.	1.7	2
910	A sulfur-rich π -electron acceptor derived from 5,5'-bithiazolidinylidene: charge-transfer complex vs. charge-transfer salt. <i>CrystEngComm</i> , 2016, 18, 3925-3933.	1.3	14
911	Features of a truxene-based stationary phase in capillary gas chromatography for separation of some challenging isomers. <i>Journal of Chromatography A</i> , 2016, 1454, 114-119.	1.8	18

#	ARTICLE	IF	CITATIONS
912	Bithiophenesulfonamide Building Block for π -Conjugated Donor-Acceptor Semiconductors. <i>Journal of the American Chemical Society</i> , 2016, 138, 6944-6947.	6.6	58
913	Perylenetetracarboxylic-metal assemblies and anisotropic charge transport in a Cu^{II} assembly. <i>Nanoscale</i> , 2016, 8, 9134-9140.	2.8	6
914	Aerobic Dimerization of Eneidyne Compounds: Construction of Naphthalene Frameworks. <i>Chemistry - A European Journal</i> , 2016, 22, 124-128.	1.7	11
915	High performance oxygen-bridged N-shaped semiconductors with a stabilized crystal phase and blue luminescence. <i>RSC Advances</i> , 2016, 6, 28966-28969.	1.7	15
916	Influence of alkyl side-chain length on the carrier mobility in organic semiconductors: herringbone vs. π - π stacking. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4546-4555.	2.7	94
917	A fishing rod-like conjugated polymer bearing pillar[5]arenes. <i>Chemical Communications</i> , 2016, 52, 6662-6664.	2.2	30
918	Thiophene-S,S-dioxidized indophenine (IDTO) based donor-acceptor polymers for n-channel organic thin film transistors. <i>RSC Advances</i> , 2016, 6, 34849-34854.	1.7	22
919	Substrate-Induced and Thin-Film Phases: Polymorphism of Organic Materials on Surfaces. <i>Advanced Functional Materials</i> , 2016, 26, 2233-2255.	7.8	221
920	Growth of Large Crystalline Grains of Vanadyl-Phthalocyanine without Epitaxy on Graphene. <i>Advanced Functional Materials</i> , 2016, 26, 1188-1196.	7.8	9
921	Preparation of an Arylated Alkylthiophene Monomer via $C-H$ Activation for Use in Pd-PEPPSI-iPr Catalyzed-Controlled Chain Growth Polymerization. <i>ACS Macro Letters</i> , 2016, 5, 533-536.	2.3	38
922	Molecular structures of n-type semiconducting material 2,5-difluoro-1,4-phenylene-3,3'-bis{2-[(4-trifluoromethyl)phenyl]acrylonitrile} and its photo dimerization product. <i>Journal of Molecular Structure</i> , 2016, 1118, 372-377.	1.8	6
923	Chiral Redox-Active Isosceles Triangles. <i>Journal of the American Chemical Society</i> , 2016, 138, 5968-5977.	6.6	62
924	Indolo-quinoline boron difluoride dyes: synthesis and spectroscopic properties. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4185-4188.	1.5	10
925	Charge transport through conjugated azomethine-based single molecules for optoelectronic applications. <i>Organic Electronics</i> , 2016, 34, 38-41.	1.4	28
926	Tandem thionation of biomass derived levulinic acid with Lawesson's reagent. <i>Green Chemistry</i> , 2016, 18, 2971-2975.	4.6	14
927	Three-component 2-aryl substituted benzothiophene formation under transition-metal free conditions. <i>RSC Advances</i> , 2016, 6, 41751-41754.	1.7	19
928	Two-Dimensional Organic Single Crystals with Scale Regulated, Phase-Switchable, Polymorphism-Dependent, and Amplified Spontaneous Emission Properties. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1697-1702.	2.1	61
929	Halide Influence on Molecular and Supramolecular Arrangements of Iron Complexes with a 3,5-Bis(2-Pyridyl)-1,2,4,6-Thiatriazine Ligand. <i>Inorganic Chemistry</i> , 2016, 55, 5375-5383.	1.9	13

#	ARTICLE	IF	CITATIONS
930	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. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11313-11323.	1.5	41
931	Synthesis and Characterization of Multicomponent ABC- and ABCD-Type Miktoarm Star-Branched Polymers Containing a Poly(3-hexylthiophene) Segment. <i>ACS Macro Letters</i> , 2016, 5, 631-635.	2.3	24
932	Synthesis of alternating A ₁ A ₂ terpolymers comprising two electron-deficient moieties, quinoxaline and benzothiadiazole units for photovoltaic applications. <i>Polymer Chemistry</i> , 2016, 7, 4025-4035.	1.9	11
933	Revealing different aggregational states of a conjugated polymer in solution by a nanopore sensor. <i>Chemical Science</i> , 2016, 7, 5287-5293.	3.7	5
934	Efficient ambipolar transport properties in alternate stacking donor-acceptor complexes: from experiment to theory. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14094-14103.	1.3	81
935	Marginal solvents preferentially improve the molecular order of thin polythiophene films. <i>RSC Advances</i> , 2016, 6, 23640-23644.	1.7	6
936	Thiophene-S,S-dioxidized indophenines as high performance n-type organic semiconductors for thin film transistors. <i>RSC Advances</i> , 2016, 6, 45410-45418.	1.7	13
937	Siloxane Side Chains: A Universal Tool for Practical Applications of Organic Field-Effect Transistors. <i>Macromolecules</i> , 2016, 49, 3739-3748.	2.2	58
938	Computational studies of hole/electron transport in positional isomers of linear oligo-thienoacenes: Evaluation of internal reorganization energies using density functional theory. <i>Computational and Theoretical Chemistry</i> , 2016, 1089, 59-67.	1.1	21
939	Access to Thiophene and 1-H-Pyrrole via Amine-Initiated (3 + 2) Annulation and Aromatization Cascade Reaction of β -Acetoxy Allenolate and 1,2-Bisnucleophile. <i>Organic Letters</i> , 2016, 18, 2240-2243.	2.4	51
940	Photocontrol of charge injection/extraction at electrode/semiconductor interfaces for high-photoresponsivity organic transistors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5289-5296.	2.7	29
941	3,7-Bis((E)-2-oxoindolin-3-ylidene)-3,7-dihydrobenzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene-2,6-dione (IBDT) based polymer with balanced ambipolar charge transport performance. <i>Organic Electronics</i> , 2016, 35, 41-46.	1.4	11
942	Ultrathin annealing-free polymer layers: new opportunity to enhance mobility and stability of low-voltage thin-film organic transistors. <i>RSC Advances</i> , 2016, 6, 51264-51269.	1.7	1
943	Synthesis, optical, and electrochemical properties, and theoretical calculations of BODIPY containing triphenylamine. <i>Heteroatom Chemistry</i> , 2016, 27, 306-315.	0.4	11
944	Highly planar cross-conjugated alternating polymers with multiple conformational locks: synthesis, characterization and their field-effect properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9266-9275.	2.7	31
945	Anion-Exchange Induced Strong π - π Interactions in Single Crystalline Naphthalene Diimide for Nitroexplosive Sensing: An Electronic Prototype for Visual on-Site Detection. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25326-25336.	4.0	40
946	High-Performance Field-Effect Transistors Fabricated with Donor-Acceptor Copolymers Containing S _A A ₂ O Conformational Locks Supplied by Diethoxydithiophenethenes. <i>Macromolecules</i> , 2016, 49, 6401-6410.	2.2	43
947	Nickel Catalysis Enables Oxidative C(sp ²)-H/C(sp ²)-H Cross-Coupling Reactions between Two Heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12275-12279.	7.2	73

#	ARTICLE	IF	CITATIONS
948	Haloacetylation-Driven Transformation of Sandwich Herringbone to Lamellar/Columnar Packing in Pyrene. <i>Crystal Growth and Design</i> , 2016, 16, 5822-5830.	1.4	13
949	Nickel Catalysis Enables Oxidative C(sp ²)-H/C(sp ²)-H Cross-Coupling Reactions between Two Heteroarenes. <i>Angewandte Chemie</i> , 2016, 128, 12463-12467.	1.6	15
950	Theoretical insights on morphology and charge transport properties of two-dimensional N,N'-ditridecylperylene-3,4,9,10-tetra carboxylic diimide aggregates. <i>RSC Advances</i> , 2016, 6, 40724-40730.	1.7	11
951	Networked Spin Cages: Tunable Magnetism and Lithium Ion Storage via Modulation of Spin-Electron Interactions. <i>Inorganic Chemistry</i> , 2016, 55, 9892-9897.	1.9	8
952	Influence of Thiophenes on Molecular Order, Mesophase, and Optical Properties of π -Conjugated Mesogens. <i>Journal of Physical Chemistry C</i> , 2016, 120, 22257-22269.	1.5	10
953	Recent advances in one-dimensional organic π -n heterojunctions for optoelectronic device applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9388-9398.	2.7	41
954	An Electron-Deficient Azacoronene Obtained by Radial π -Extension. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14658-14662.	7.2	67
955	Complementary Hydrogen Bonding Modulates Electronic Properties and Controls Self-Assembly of Donor/Acceptor Semiconductors. <i>Chemistry - A European Journal</i> , 2016, 22, 17251-17261.	1.7	21
956	Cationic π -Stacking Columns of Coronene Molecules with Fully Charged and Charge-Disproportionated States. <i>Crystal Growth and Design</i> , 2016, 16, 5994-6000.	1.4	8
957	Solution-Processable Neutral Green Electrochromic Polymer Containing Thieno[3,2- <i>b</i>]thiophene Derivative as Unconventional Donor Units. <i>Macromolecules</i> , 2016, 49, 7211-7219.	2.2	104
958	Aluminium-mediated aromatic C-F bond activation: regioswitchable construction of benzene-fused triphenylene frameworks. <i>Chemical Communications</i> , 2016, 52, 12948-12951.	2.2	37
959	Cascade Reactions of Nitrones and Allenes for the Synthesis of Indole Derivatives. <i>Journal of Organic Chemistry</i> , 2016, 81, 9521-9529.	1.7	57
960	Control of the Chemoselectivity of Metal N-Aryl Nitrene Reactivity: C-H Bond Amination versus Electrocyclization. <i>Journal of the American Chemical Society</i> , 2016, 138, 13271-13280.	6.6	68
961	Diverting C-H Annulation Pathways: Nickel-Catalyzed Dehydrogenative Homologation of Aromatic Amides. <i>ACS Catalysis</i> , 2016, 6, 7814-7823.	5.5	60
962	Design and synthesis of extended quinoxaline derivatives and their charge transport properties. <i>RSC Advances</i> , 2016, 6, 100067-100071.	1.7	5
963	Tailoring crystal polymorphs of organic semiconductors towards high-performance field-effect transistors. <i>Chinese Chemical Letters</i> , 2016, 27, 1330-1338.	4.8	28
964	Indole-to-Carbazole Strategy for the Synthesis of Substituted Carbazoles under Metal-Free Conditions. <i>Organic Letters</i> , 2016, 18, 5384-5387.	2.4	111
965	Regioselective Synthesis of Dihydrothiophenes and Thiophenes via the Rhodium-Catalyzed Transannulation of 1,2,3-Thiadiazoles with Alkenes. <i>Organic Letters</i> , 2016, 18, 5408-5411.	2.4	51

#	ARTICLE	IF	CITATIONS
966	The preparation of organoboron-based stilbene nanoparticles for cell imaging. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5515-5518.	2.9	7
967	Topâ€Pinning Controlled Dewetting for Fabrication of Largeâ€Scaled Polymer Microwires and Applications in OFETs. <i>Advanced Electronic Materials</i> , 2016, 2, 1600111.	2.6	12
968	Synthesis of ladder-type graphene ribbon oligomers from pyrene units. <i>Tetrahedron Letters</i> , 2016, 57, 4157-4161.	0.7	24
969	Polycatenar liquid crystals based on bent-shaped chalcone and cyanopyridine molecules. <i>Liquid Crystals</i> , 0, , 1-12.	0.9	1
970	Fluorinated benzothiadiazole-based small molecules for photovoltaic applications. <i>Synthetic Metals</i> , 2016, 220, 455-461.	2.1	17
971	Holey Contacts: A New Approach to Enhance Charge Injection through Lowâ€Cost Nanoporeâ€Structured Silver Electrodes in Bottomâ€Gate Bottomâ€Contact (BGBC) Organic Fieldâ€Effect Transistors. <i>Advanced Electronic Materials</i> , 2016, 2, 1600215.	2.6	7
972	Supramolecular Spangling, Crocheting, and Knitting of Functionalized Pyrene Molecules on a Silver Surface. <i>ACS Nano</i> , 2016, 10, 7665-7674.	7.3	32
973	Conjugated Donorâ€Acceptor Polymers Entailing Pechmann Dye-Derived Acceptor with Siloxane-Terminated Side Chains Exhibiting Balanced Ambipolar Semiconducting Behavior. <i>Macromolecules</i> , 2016, 49, 5857-5865.	2.2	34
974	Radical Cyclization of Arenesulfonyl Chlorides and Alkynes: A Rapid Access to Î€Conjugated Benzothioâ€phenes. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 55-59.	1.2	26
975	Intrinsic Charge Trapping Observed as Surface Potential Variations in diF-TES-ADT Films. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21490-21496.	4.0	2
976	Architecture of Conjugated Donorâ€Acceptor (Dâ€A)â€Type Polymer Films with Crossâ€Linked Structures. <i>Advanced Functional Materials</i> , 2016, 26, 1646-1655.	7.8	24
977	A Selectively Permeable Membrane for Enhancing Cyclability of Organic Sodiumâ€Ion Batteries. <i>Advanced Materials</i> , 2016, 28, 9182-9187.	11.1	77
978	Stretchable Organic Semiconductor Devices. <i>Advanced Materials</i> , 2016, 28, 9243-9265.	11.1	188
979	Conjugated Random Donorâ€Acceptor Copolymers of [1]Benzothieno[3,2- <i>b</i>]benzothiophene and Diketopyrrolopyrrole Units for High Performance Polymeric Semiconductor Applications. <i>Macromolecules</i> , 2016, 49, 6334-6342.	2.2	30
980	Supramolecular Scaffold for Tailoring the Two-Dimensional Assembly of Functional Molecular Units into Organic Thin Films. <i>Journal of the American Chemical Society</i> , 2016, 138, 11727-11733.	6.6	48
981	Growth of Highly Oriented Ultrathin Crystalline Organic Microstripes: Effect of Alkyl Chain Length. <i>Langmuir</i> , 2016, 32, 9109-9117.	1.6	11
982	Hydrogen bonding vs. moleculeâ€surface interactions in 2D self-assembly of [C60]fullerenecarboxylic acids. <i>Nanoscale</i> , 2016, 8, 16955-16962.	2.8	11
983	Unipolar Electron Transport Polymers: A Thiazole Based All-Electron Acceptor Approach. <i>Chemistry of Materials</i> , 2016, 28, 6045-6049.	3.2	85

#	ARTICLE	IF	CITATIONS
984	Highly coplanar bis(thiazol-2-yl)-diketopyrrolopyrrole based donor-acceptor copolymers for ambipolar field effect transistors. <i>RSC Advances</i> , 2016, 6, 78008-78016.	1.7	16
985	Aryl-fused tetrathianaphthalene (TTN): synthesis, structures, properties, and cocrystals with fullerenes. <i>RSC Advances</i> , 2016, 6, 79978-79986.	1.7	7
986	Electron-Accepting π -Conjugated Molecules with Fluorine-Containing Dicyanovinylidene as Terminal Groups: Synthesis, Properties, and Semiconducting Characteristics. <i>Organic Letters</i> , 2016, 18, 4320-4323.	2.4	13
987	Synthesis of NBN-Type Zigzag-Edged Polycyclic Aromatic Hydrocarbons: 1,9-Diaza-9a-boraphenalene as a Structural Motif. <i>Journal of the American Chemical Society</i> , 2016, 138, 11606-11615.	6.6	121
988	Soluble 2,6-Bis(4-pentylphenylethynyl)anthracene as a High Hole Mobility Semiconductor for Organic Field-effect Transistors. <i>Chemistry Letters</i> , 2016, 45, 1403-1405.	0.7	7
989	Organic Cocrystals: New Strategy for Molecular Collaborative Innovation. <i>Topics in Current Chemistry</i> , 2016, 374, 83.	3.0	52
990	Remarkable enhancement of charge carrier mobility of conjugated polymer field-effect transistors upon incorporating an ionic additive. <i>Science Advances</i> , 2016, 2, e1600076.	4.7	139
991	Metal-catalyzed cross-coupling reactions with supported nanoparticles: Recent developments and future directions. <i>Catalysis Reviews - Science and Engineering</i> , 2016, 58, 439-496.	5.7	19
992	Extended π -Conjugated Pyrene Derivatives: Structural, Photophysical and Electrochemical Properties. <i>ChemistrySelect</i> , 2016, 1, 1926-1932.	0.7	3
993	The adjustment of bandgap and coplanarity of diketopyrrolopyrrole-based copolymers through fine-tuning of the conjugated backbones and applications in thin film field effect transistors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9359-9365.	2.7	11
994	9 <i>H</i> -Quinolino[3,2- <i>lk</i>]phenothiazine: A New Electron-Rich Fragment for Organic Electronics. <i>Chemistry - A European Journal</i> , 2016, 22, 17930-17935.	1.7	46
995	The Influence of Quasiplanar Structures of Partially Oxygen-Bridged Triphenylamine Dimers on the Properties of Their Bulk Films. <i>Bulletin of the Chemical Society of Japan</i> , 2016, 89, 726-732.	2.0	13
996	Metal-Free Arylation to Access Distinct Anthracenylphosphonates and Anticancer Activities for These and Allied Phosphonates. <i>ChemistrySelect</i> , 2016, 1, 4332-4339.	0.7	15
997	Manipulating the LUMO distribution of quinoxaline-containing architectures to design electron transport materials: Efficient blue phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2016, 37, 439-447.	1.4	22
998	Cobalt-Catalyzed Oxidative C [~] H/C [~] H Cross-Coupling between Two Heteroarenes. <i>Angewandte Chemie</i> , 2016, 128, 10570-10574.	1.6	22
999	Cobalt-Catalyzed Oxidative C [~] H/C [~] H Cross-Coupling between Two Heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10414-10418.	7.2	118
1000	Impact of Fluorine Substituents on π -Conjugated Polymer Main-Chain Conformations, Packing, and Electronic Couplings. <i>Advanced Materials</i> , 2016, 28, 8197-8205.	11.1	78
1001	Pursuing High-Mobility n -Type Organic Semiconductors by Combination of π -Molecule-Framework and π -Side-Chain-Engineering. <i>Advanced Materials</i> , 2016, 28, 8456-8462.	11.1	93

#	ARTICLE	IF	CITATIONS
1002	Synthesis, field-effect and photovoltaic properties of random difluorobenzothiadiazole-isoidindigo electron donor-acceptor polymers. <i>Dyes and Pigments</i> , 2016, 134, 251-257.	2.0	8
1003	Synthesis and Properties of Ladder-Type BN-Heteroacenes and Diazabenzoindoles Built on a Pyrrolopyrrole Scaffold. <i>Journal of Organic Chemistry</i> , 2016, 81, 6580-6586.	1.7	45
1004	Probing Carrier Transport and Structure-Property Relationship of Highly Ordered Organic Semiconductors at the Two-Dimensional Limit. <i>Physical Review Letters</i> , 2016, 116, 016602.	2.9	220
1005	B=N Units as Part of Extended π -Conjugated Oligomers and Polymers. <i>Chemistry - A European Journal</i> , 2016, 22, 12972-12982.	1.7	186
1006	Fluorine Directed Two-Dimensional Cruciform π - π Stacking in Diketopyrrolopyrroles. <i>Crystal Growth and Design</i> , 2016, 16, 5385-5393.	1.4	18
1007	Solution-processable small molecule semiconductors based on pyrene-fused bisimidazole and influence of alkyl side-chain on the charge transport. <i>RSC Advances</i> , 2016, 6, 69277-69281.	1.7	7
1008	A facile access to substituted cationic 12-azapyrene salts by rhodium(III)-catalyzed C-H annulation of N-arylpyridinium salts. <i>RSC Advances</i> , 2016, 6, 66407-66411.	1.7	29
1009	Bowl-shaped conjugated polycycles. <i>Chinese Chemical Letters</i> , 2016, 27, 1166-1174.	4.8	56
1010	Derivatizing Tribenzothiophene-Fused Hexa-peri-hexabenzocoronenes with Tunable Optoelectronic Properties. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2107-2112.	1.7	8
1013	Stimuli-responsive brush-shaped conjugated polymers with pendant well-defined poly(vinyl ether)s. <i>Journal of Polymer Science Part A</i> , 2016, 54, 3318-3325.	2.5	16
1014	Self-organization and phase transformation of all π -conjugated diblock copolymers and its applications in organic solar cells. <i>Reactive and Functional Polymers</i> , 2016, 108, 94-102.	2.0	5
1015	Annulated Thienyl-Vinylene-Thienyl Building Blocks for π -Conjugated Copolymers: Ring Dimensions and Isomeric Structure Effects on π -Conjugation Length and Charge Transport. <i>Chemistry of Materials</i> , 2016, 28, 5772-5783.	3.2	17
1016	Multifunctional polymetallaynes: properties, functions and applications. <i>Chemical Society Reviews</i> , 2016, 45, 5264-5295.	18.7	173
1017	Prediction of charge mobility in organic semiconductors with consideration of the grain-size effect. , 2016, , .		0
1018	Favorable Molecular Orientation Enhancement in Semiconducting Polymer Assisted by Conjugated Organic Small Molecules. <i>Advanced Functional Materials</i> , 2016, 26, 8527-8536.	7.8	18
1019	Ambipolar Organic Phototransistors with p -Type/ n -Type Conjugated Polymer Bulk Heterojunction Light-Sensing Layers. <i>Advanced Electronic Materials</i> , 2016, 2, 1600264.	2.6	46
1020	An Electron-Deficient Azacoronene Obtained by Radial π -Extension. <i>Angewandte Chemie</i> , 2016, 128, 14878-14882.	1.6	20
1021	Organic TFTs: Vacuum-Deposited Small-Molecule Semiconductors. , 2016, , 1051-1072.		0

#	ARTICLE	IF	CITATIONS
1022	Synthesis, Structural Characterization, and Field-Effect Transistor Properties of <i>n</i> -Channel Semiconducting Polymers Containing Five-Membered Heterocyclic Acceptors: Superiority of Thiadiazole Compared with Oxadiazole. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 33051-33059.	4.0	25
1023	Improved charge carrier transport in ultrathin poly(3-hexylthiophene) films via solution aggregation. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11488-11498.	2.7	44
1024	Quantitative prediction of morphology and electron transport in crystal and disordered organic semiconductors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11238-11243.	2.7	26
1025	Polarizability as a Molecular Descriptor for Conductance in Organic Molecular Circuits. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26054-26060.	1.5	16
1026	P(VDF-TeFE)/Organic Semiconductor Structure Ferroelectric-Gate FETs. <i>Topics in Applied Physics</i> , 2016, , 187-201.	0.4	0
1027	Conjugated Polymer Zwitterions: Efficient Interlayer Materials in Organic Electronics. <i>Accounts of Chemical Research</i> , 2016, 49, 2478-2488.	7.6	109
1028	Influences of Out-Of-Plane Lattice Alignment on the OFET Performance of TIPS-PEN Crystal Arrays. <i>Crystal Growth and Design</i> , 2016, 16, 6160-6166.	1.4	22
1029	Controlled Synthesis of Lead-Free and Stable Perovskite Derivative Cs ₂ Snl ₆ Nanocrystals via a Facile Hot-Injection Process. <i>Chemistry of Materials</i> , 2016, 28, 8132-8140.	3.2	310
1030	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
1031	Tribenzopentaphene derivatives with lateral aromatic groups: the effect of the nature and position of substituents on emission properties. <i>New Journal of Chemistry</i> , 2016, 40, 10363-10370.	1.4	9
1032	Direct (Hetero)arylation Polymerization: Simplicity for Conjugated Polymer Synthesis. <i>Chemical Reviews</i> , 2016, 116, 14225-14274.	23.0	402
1033	Very Large π -Conjugation Despite Strong Nonplanarity: A Path for Designing New Semiconducting Polymers. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4689-4694.	2.1	31
1034	Solid state supramolecular structure of diketopyrrolopyrrole chromophores: correlating stacking geometry with visible light absorption. <i>CrystEngComm</i> , 2016, 18, 8933-8943.	1.3	27
1035	Rhodium-Catalyzed Oxidative Synthesis of Quinoline-Fused Sydnone via 2-fold C-H Bond Activation. <i>Journal of Organic Chemistry</i> , 2016, 81, 12038-12045.	1.7	39
1036	Passing Current through Electrically Conducting Lyotropic Liquid Crystals and Micelles Assembled from Hybrid Surfactants with π -Conjugated Tail and Polyoxometalate Head. <i>ACS Nano</i> , 2016, 10, 10041-10048.	7.3	23
1037	Synthesis, molecular and photovoltaic/transistor properties of heptacyclic ladder-type di(thienobenzofluorene)-based copolymers. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11427-11435.	2.7	11
1038	Replacing the non-polarized C-C bond with an isoelectronic polarized B-N unit for the design and development of smart materials. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11465-11473.	2.7	37
1039	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

#	ARTICLE	IF	CITATIONS
1040	P-type doped ambipolar polymer transistors by direct charge transfer from a cationic organic dye Pyronin B ferric chloride. <i>Organic Electronics</i> , 2016, 39, 229-235.	1.4	15
1041	General synthesis, structure, and optical properties of benzothiophene-fused benzoheteroles containing Group 15 and 16 elements. <i>Tetrahedron</i> , 2016, 72, 8085-8090.	1.0	38
1042	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
1043	Applying thieno[3,2-b]thiophene as a building block in the design of rigid extended thienoacenes. <i>RSC Advances</i> , 2016, 6, 97420-97429.	1.7	9
1044	Manipulation of Disodium Rhodizonate: Factors for Fast Charge and Fast Discharge Sodium Ion Batteries with Long Term Cyclability. <i>Advanced Functional Materials</i> , 2016, 26, 1777-1786.	7.8	149
1045	Epitaxial Ultrathin Organic Crystals on Graphene for High Efficiency Phototransistors. <i>Advanced Materials</i> , 2016, 28, 5200-5205.	11.1	134
1046	Mechanistic Studies on the Palladium Catalyzed Direct C5 Arylation of Imidazoles: The Fundamental Role of the Azole as a Ligand for Palladium. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 597-609.	2.1	23
1047	Organic Semiconductors based on Dyes and Color Pigments. <i>Advanced Materials</i> , 2016, 28, 3615-3645.	11.1	377
1048	Surface Energy Mediated Self-Patterning for High Performance Spray-Deposited Organic Field Effect Transistors. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500714.	1.9	8
1049	The Impact of Interlayer Electronic Coupling on Charge Transport in Organic Semiconductors: A Case Study on Titanylphthalocyanine Single Crystals. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5206-5209.	7.2	51
1050	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
1051	Engineered phages for electronics. <i>Biosensors and Bioelectronics</i> , 2016, 85, 964-976.	5.3	11
1052	Bis(2-oxoindolin-3-ylidene)-benzodifuran-dione and bithiophene-based conjugated polymers for high performance ambipolar organic thin-film transistors: the impact of substitution positions on bithiophene units. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6391-6400.	2.7	15
1053	Synthesis of cyclopenta-fused polycyclic aromatic hydrocarbons utilizing aryl-substituted anilines. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6804-6810.	1.5	11
1054	Embedding electron-deficient nitrogen atoms in polymer backbone towards high performance n-type polymer field-effect transistors. <i>Chemical Science</i> , 2016, 7, 5753-5757.	3.7	82
1055	Effects of Sulfur Oxidation on the Electronic and Charge Transport Properties of Fused Oligothiophene Derivatives. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14484-14494.	1.5	12
1056	Tuning charge transport from unipolar (n-type) to ambipolar in bis(naphthalene diimide) derivatives by introducing I π -conjugated heterocyclic bridging moieties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7230-7240.	2.7	25
1057	Single component p-, ambipolar and n-type OTFTs based on fluorinated copper phthalocyanines. <i>Dyes and Pigments</i> , 2016, 132, 378-386.	2.0	37

#	ARTICLE	IF	CITATIONS
1058	Benzothiadiazole and its π -extended, heteroannulated derivatives: useful acceptor building blocks for high-performance donor-acceptor polymers in organic electronics. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6200-6214.	2.7	179
1059	The Chemistry and Applications of π -Gels. <i>Annual Review of Materials Research</i> , 2016, 46, 235-262.	4.3	131
1060	Molecular Design of Benzodithiophene-Based Organic Photovoltaic Materials. <i>Chemical Reviews</i> , 2016, 116, 7397-7457.	23.0	998
1061	Charge Carrier Doping into the Peierls Insulator of the TCNQ Anion Radical Salt (TCNQ ⁻) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50	1.5	5
1062	Air-stable n-channel organic field-effect transistors based on charge-transfer complexes including dimethoxybenzothienobenzothiophene and tetracyanoquinodimethane derivatives. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5981-5987.	2.7	45
1063	Fine-tuning the molecular energy levels by incorporating thiophene units onto the π -backbone of core-expanded naphthalene diimides. <i>Chinese Chemical Letters</i> , 2016, 27, 1022-1026.	4.8	7
1064	Theoretical characterization on photovoltaic properties of PC61BM-PTDPPPTFT4 system with a molecular model. <i>Computational and Theoretical Chemistry</i> , 2016, 1089, 6-12.	1.1	0
1065	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
1066	Enhanced mobility in organic field-effect transistors due to semiconductor/dielectric interface control and very thin single crystal. <i>Nanotechnology</i> , 2016, 27, 275202.	1.3	14
1067	A comparative study of bithiophene and thienothiophene based polymers for organic field-effect transistor applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 9143-9151.	1.1	2
1068	Chemical engineering of donor-acceptor liquid crystalline dyads and triads for the controlled nanostructuring of organic semiconductors. <i>CrystEngComm</i> , 2016, 18, 4787-4798.	1.3	36
1069	Facile Access to Fluoroaromatic Molecules by Transition-Metal-Free C-F Bond Cleavage of Polyfluoroarenes: An Efficient, Green, and Sustainable Protocol. <i>Chemical Record</i> , 2016, 16, 667-687.	2.9	28
1070	Selenium-Containing Fused Bicyclic Heterocycle Diselenolodiselenole: Field Effect Transistor Study and Structure-Property Relationship. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18222-18230.	4.0	29
1071	Tuning Crystal Ordering, Electronic Structure, and Morphology in Organic Semiconductors: Tetrathiafulvalenes as a Model Case. <i>Advanced Functional Materials</i> , 2016, 26, 2256-2275.	7.8	50
1072	Molecular Materials That Can Both Emit Light and Conduct Charges: Strategies and Perspectives. <i>Chemistry - A European Journal</i> , 2016, 22, 462-471.	1.7	43
1073	Conducting π Columns of Highly Symmetric Coronene, The Smallest Fragment of Graphene. <i>Chemistry - A European Journal</i> , 2016, 22, 6023-6030.	1.7	18
1074	Tuning the charge transport properties of dicyanodistyrylbenzene derivatives by the number of fluorine substituents. <i>Synthetic Metals</i> , 2016, 216, 51-58.	2.1	6
1075	A theoretical study on charge transport of dithiolenic nickel complexes. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6259-6267.	1.3	7

#	ARTICLE	IF	CITATIONS
1076	Heteroatom-connected ferrocenyl substituted naphthalimides. <i>RSC Advances</i> , 2016, 6, 7746-7754.	1.7	12
1077	Room-Temperature Direct \hat{I}^2 -Arylation of Thiophenes and Benzo[<i>b</i>]thiophenes and Kinetic Evidence for a Heck-type Pathway. <i>Journal of the American Chemical Society</i> , 2016, 138, 1677-1683.	6.6	125
1078	2,2-Bis(trifluoromethyl)biphenyl as a building block for highly ambient-stable, amorphous organic field-effect transistors with balanced ambipolarity. <i>RSC Advances</i> , 2016, 6, 8628-8638.	1.7	9
1079	Constructing bulk-contact inside single crystals of organic semiconductors through gel incorporation. <i>CrystEngComm</i> , 2016, 18, 800-806.	1.3	14
1080	The effect of tuning the microstructure of TIPS-tetraazapentacene on the performance of solution processed thin film transistors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1194-1200.	2.7	44
1081	Rational utilization of intramolecular and intermolecular hydrogen bonds to achieve desirable electron transporting materials with high mobility and high triplet energy. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1482-1489.	2.7	23
1082	Vinylidenedithiophenemethyleneoxindole: a centrosymmetric building block for donor-acceptor copolymers. <i>Polymer Chemistry</i> , 2016, 7, 1413-1421.	1.9	25
1083	Rhodium-catalyzed oxidative coupling of N-acyl anilines with alkynes using an acylamino moiety as the traceless directing group. <i>Organic Chemistry Frontiers</i> , 2016, 3, 349-353.	2.3	16
1084	D/A cruciform bithiophene chromophores as potential molecular scaffolds for optoelectronic applications. <i>Tetrahedron</i> , 2016, 72, 1381-1386.	1.0	8
1085	Substituent effect on photophysical properties of bi-1,3,4-oxadiazole derivatives in solution. <i>Journal of Molecular Structure</i> , 2016, 1109, 239-246.	1.8	9
1086	Luminescent Main-Chain Organoborane Polymers: Highly Robust, Electron-Deficient Poly(oligothiophene borane)s via Stille Coupling Polymerization. <i>Macromolecules</i> , 2016, 49, 537-546.	2.2	120
1087	Polymer based on benzothiadiazole-bridged bis-isoindigo for organic field-effect transistor applications. <i>Dyes and Pigments</i> , 2016, 125, 407-413.	2.0	12
1088	Symmetry versus asymmetry: Synthesis and studies of benzotriindole-derived carbazoles displaying different electrochemical and optical properties. <i>Dyes and Pigments</i> , 2016, 125, 159-168.	2.0	9
1089	Significant Improvement of Semiconducting Performance of the Diketopyrrolopyrrole-Quaterthiophene Conjugated Polymer through Side-Chain Engineering via Hydrogen-Bonding. <i>Journal of the American Chemical Society</i> , 2016, 138, 173-185.	6.6	262
1090	Benzodithiophenedione and diketopyrrolopyrrole based conjugated copolymers for organic thin-film transistors by structure modulation. <i>Dyes and Pigments</i> , 2016, 126, 20-28.	2.0	15
1091	Diaza isoindigo-Based Polymers with High-Performance Charge-Transport Properties: From Computational Screening to Experimental Characterization. <i>Chemistry of Materials</i> , 2016, 28, 2209-2218.	3.2	110
1092	Effects of Fluorine Substitution on the Intermolecular Interactions, Energetics, and Packing Behavior of N-Benzyl Substituted Diketopyrrolopyrroles. <i>Crystal Growth and Design</i> , 2016, 16, 2371-2384.	1.4	22
1093	A_{12} Copolymer Based on Pyridine-Capped Diketopyrrolopyrrole with Fluorinated Benzothiadiazole for High-Performance Ambipolar Organic Thin-Film Transistors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 8620-8626.	4.0	24

#	ARTICLE	IF	CITATIONS
1094	Solution processed bulk heterojunction solar cells based on A small molecules with a dihydroindoloindole (DINI) central donor and different acceptor end groups. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3508-3516.	2.7	17
1095	Topological Control of Columnar Stacking Made of Liquid-Crystalline Thiophene-Fused Metallonaphthalocyanines. <i>ChemistryOpen</i> , 2016, 5, 150-156.	0.9	8
1096	Regioregular and Random Difluorobenzothiadiazole Electron Donor-Acceptor Polymer Semiconductors for Thin-Film Transistors and Polymer Solar Cells. <i>Macromolecules</i> , 2016, 49, 2541-2548.	2.2	30
1097	Pyridyl-substituted anthracene derivatives with solid-state emission and charge transport properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3621-3627.	2.7	28
1098	Precisely Patterned Growth of Ultra-Long Single-Crystalline Organic Microwire Arrays for Near-Infrared Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7912-7918.	4.0	26
1099	Conjugated polymers constructed by a novel pyrene-fused polycyclic building block and their applications as organic electronic materials. <i>Dyes and Pigments</i> , 2016, 130, 16-23.	2.0	7
1100	Thienylphenothiazine integrated pyrenes: an account on the influence of substitution patterns on their optical and electroluminescence properties. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4246-4258.	2.7	33
1101	Visible-light-induced regioselective synthesis of polyheteroaromatic compounds. <i>Chemical Communications</i> , 2016, 52, 4203-4206.	2.2	33
1102	Effects of pyridyl group orientations on the optoelectronic properties of regio-isomeric diketopyrrolopyrrole based π -conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2470-2479.	2.7	13
1103	Recent developments in synthetic methods for benzo[b]heteroles. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 5402-5416.	1.5	89
1104	High Mobility Organic Field-Effect Transistors from Majority Insulator Blends. <i>Chemistry of Materials</i> , 2016, 28, 1256-1260.	3.2	75
1105	Lipase catalyzed synthesis of fluorescent glycolipids: gelation studies and graphene incorporated self-assembled sheet formation for semiconductor applications. <i>Green Chemistry</i> , 2016, 18, 3722-3731.	4.6	33
1106	Polyallene-block-polythiophene-block-polyallene Copolymers: One-Pot Synthesis, Helical Assembly, and Multiresponsiveness. <i>Macromolecules</i> , 2016, 49, 1180-1190.	2.2	53
1107	Palladium-Catalyzed Cyclization of Alkenes with Organohalides. <i>Organic Letters</i> , 2016, 18, 776-779.	2.4	17
1108	Chemoelectronic circuits based on metal nanoparticles. <i>Nature Nanotechnology</i> , 2016, 11, 603-608.	15.6	103
1109	Benzobisthiadiazole-alt-bithiazole copolymers with deep HOMO levels for good-performance field-effect transistors with air stability and a high on/off ratio. <i>Polymer Chemistry</i> , 2016, 7, 2808-2814.	1.9	22
1110	Naphthodithiophene Diimide-Based Copolymers: Ambipolar Semiconductors in Field-Effect Transistors and Electron Acceptors with Near-Infrared Response in Polymer Blend Solar Cells. <i>Macromolecules</i> , 2016, 49, 1752-1760.	2.2	73
1111	Perfluoroalkylation of Square-Planar Transition Metal Complexes: A Strategy To Assemble Them into Solid State Materials with a π -Stacked Lamellar Structure. <i>Crystal Growth and Design</i> , 2016, 16, 1869-1878.	1.4	20

#	ARTICLE	IF	CITATIONS
1112	Oxy-Wittig reactions of 1-naphthyl(aryl)methylphosphonates: a new approach to naphthylarylketones. <i>Tetrahedron</i> , 2016, 72, 2094-2101.	1.0	11
1113	Polymorphism as an emerging design strategy for high performance organic electronics. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3915-3933.	2.7	188
1114	Supramolecular structures of halogenated oligothiophenes on the Si(111)- $\sqrt{3}\times\sqrt{3}$ -Ag surface. <i>Surface Science</i> , 2016, 647, 51-54.	0.8	6
1115	Vinylazulenes chromophores: Synthesis and characterization. <i>Dyes and Pigments</i> , 2016, 131, 246-255.	2.0	12
1116	Effect of fluorine substitution on naphtho[2,1-b:3,4-b ^{€2}]bis[1]-benzothiophene-derived semiconductors for transistor application. <i>Organic Electronics</i> , 2016, 32, 47-53.	1.4	7
1117	Switching charge-transfer characteristics from p-type to n-type through molecular π -doping (co-crystallization). <i>Chemical Science</i> , 2016, 7, 3851-3856.	3.7	89
1118	Biphenyl end-capped bithiazole co-oligomers for high performance organic thin film field effect transistors. <i>Chemical Communications</i> , 2016, 52, 4926-4929.	2.2	16
1119	A novel red to transmissive electrochromic polymer based on phenanthrocarbazole. <i>RSC Advances</i> , 2016, 6, 25620-25623.	1.7	19
1120	Ideal p-n Diode Current Equation for Organic Heterojunction using a Buffer Layer: Derivation and Numerical Study. <i>Brazilian Journal of Physics</i> , 2016, 46, 170-174.	0.7	3
1121	More than Conformational π -Twisting or π -Coplanarity: Molecular Strategies for Designing High-Efficiency Nonfullerene Organic Solar Cells. <i>Chemistry of Materials</i> , 2016, 28, 1948-1964.	3.2	239
1122	Influence of para -alkyl chain length of the bay -phenyl unit on properties and photovoltaic performance of asymmetrical perylenediimide derivatives. <i>Dyes and Pigments</i> , 2016, 126, 86-95.	2.0	19
1123	Copper-mediated radical alkylarylation of unactivated alkenes with acetonitrile leading to fluorenes and pyrroloindoles. <i>Organic Chemistry Frontiers</i> , 2016, 3, 165-169.	2.3	43
1124	Monodisperse macromolecules based on benzodithiophene and diketopyrrolopyrrole with strong NIR absorption and high mobility. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3781-3791.	2.7	22
1125	Synthesis, optical and electrochemical properties of 2-[(9 <i>H</i> -fluoren-2-yl)aryl]-1 <i>H</i> -benz[<i>d</i>]imidazole and 2,7-bis[(1 <i>H</i> -benz[<i>d</i>]imidazol-2-yl)aryl]-9 <i>H</i> -fluorene derivatives. <i>Heterocyclic Communications</i> , 2016, 22, 21-30.	0.6	2
1126	Crystallization and Microphase Morphology of Side-Chain Cross-Linkable Poly(3-hexylthiophene)- <i>block</i> -poly[3-(6-hydroxy)hexylthiophene] Diblock Copolymers. <i>Macromolecules</i> , 2016, 49, 287-297.	2.2	28
1127	Plasmon-Induced Light Absorption of Phthalocyanine Layer in Hybrid Nanoparticles: Enhancement Factor and Effective Spectra. <i>Journal of Physical Chemistry C</i> , 2016, 120, 1816-1823.	1.5	27
1128	7,7- π^2 -Diazaaisoindigo: a novel building block for organic electronics. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1208-1214.	2.7	28
1129	Design of a Photoactive Hybrid Bilayer Dielectric for Flexible Nonvolatile Organic Memory Transistors. <i>ACS Nano</i> , 2016, 10, 436-445.	7.3	91

#	ARTICLE	IF	CITATIONS
1130	“Doping” pentacene with sp^2 -phosphorus atoms: towards high performance ambipolar semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3173-3178.	1.3	15
1131	Organic Microelectromechanical Relays for Ultralow-Power Flexible Transparent Large-Area Electronics. <i>IEEE Transactions on Electron Devices</i> , 2016, 63, 832-840.	1.6	10
1132	Solution-processable thiadiazoloquinoxaline-based donor-acceptor small molecules for thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3809-3814.	2.7	47
1133	Epindolidione-Based Conjugated Polymers: Synthesis, Electronic Structures, and Charge Transport Properties. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3714-3718.	4.0	12
1134	Noncovalent Intermolecular Interactions in Organic Electronic Materials: Implications for the Molecular Packing vs Electronic Properties of Acenes. <i>Chemistry of Materials</i> , 2016, 28, 3-16.	3.2	215
1135	Parent and trisubstituted triazacoronenes: synthesis, crystal structure and physicochemical properties. <i>Chemical Communications</i> , 2016, 52, 537-540.	2.2	36
1136	Effect of the electron-accepting centre and solubilising substituents on the redox, spectroscopic and electroluminescent properties of four oxadiazoles and a triazole disubstituted with bithiophene. <i>Journal of Materials Science</i> , 2016, 51, 2274-2282.	1.7	19
1137	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
1138	Dialkylthio Substitution: An Effective Method to Modulate the Molecular Energy Levels of 2D-BDT Photovoltaic Polymers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3575-3583.	4.0	43
1139	Polycation-induced benzoperylene probe excimer formation and the ratiometric detection of heparin and heparinase. <i>Biosensors and Bioelectronics</i> , 2016, 75, 404-410.	5.3	45
1140	Highly Sensitive Thin-Film Field-Effect Transistor Sensor for Ammonia with the DPP-Bithiophene Conjugated Polymer Entailing Thermally Cleavable <i>tert</i> -Butoxy Groups in the Side Chains. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3635-3643.	4.0	107
1141	Direct synthesis of benzo[a]carbazoles by palladium-catalyzed domino reactions: synthesis and photophysical properties of diverse benzo[a]carbazoles. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 7-18.	1.2	10
1142	Insight into thin-film stacking modes of π -expanded quinoidal molecules on charge transport property via side-chain engineering. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1935-1943.	2.7	24
1143	Parameter Uniformity of Submicron-Channel-Length Organic Thin-Film Transistors Fabricated by Stencil Lithography. <i>IEEE Nanotechnology Magazine</i> , 2017, 16, 837-841.	1.1	18
1144	Fast-Response Photonic Device Based on Organic-Crystal Heterojunctions Assembled into a Vertical-Open Asymmetric Architecture. <i>Advanced Materials</i> , 2017, 29, 1605760.	11.1	21
1145	Solvent Accommodation: Functionalities Can Be Tailored Through Co-Crystallization Based on 1:1 Coronene- F_4 -TCNQ Charge-Transfer Complex. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1183-1188.	4.0	72
1146	Synthesis of low band gap polymers based on pyrrolo[3,2-d:4,5-d']bisthiazole (PBTz) and thienylenevinylene (TV) for organic thin-film transistors (OTFTs). <i>Journal of Materials Chemistry C</i> , 2017, 5, 2247-2258.	2.7	23
1147	5,5-Diazaisoindigo: an Electron-Deficient Building Block for Donor-Acceptor Conjugated Polymers. <i>Chemistry - an Asian Journal</i> , 2017, 12, 302-307.	1.7	27

#	ARTICLE	IF	CITATIONS
1148	Poly(<i>p</i> -phenylene iminoborane): A Boron–Nitrogen Analogue of Poly(<i>p</i> -phenylene vinylene). <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2780-2784.	7.2	81
1149	Insights into the Scholl Coupling Reaction: A Key Transformation of Relevance to the Synthesis of Graphenes and Related Systems. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1694-1703.	1.2	16
1150	Diazatetracenes Derived from the Benzannulation of Acetylenes: Electronic Tuning via Substituent Effects and External Stimuli. <i>Journal of Organic Chemistry</i> , 2017, 82, 2004-2010.	1.7	17
1151	Synthesis and Physicochemical Properties of Piceno [4,3- <i>b</i> :9,10- <i>b'</i>]dithiophene Derivatives and Their Application in Organic Field-Effect Transistors. <i>ACS Omega</i> , 2017, 2, 308-315.	1.6	11
1152	Thermal and Optical Modulation of the Carrier Mobility in OTFTs Based on an Azo-anthracene Liquid Crystal Organic Semiconductor. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7305-7314.	4.0	34
1153	Pyrimidines as Surrogates for 1,3-Dicarbonyl Compounds in <i>peri</i> Annulation of Perimidines en Route to 1,3-Diazapyrenes. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1666-1673.	1.2	12
1154	Printable and Flexible Phototransistors Based on Blend of Organic Semiconductor and Biopolymer. <i>Advanced Functional Materials</i> , 2017, 27, 1604163.	7.8	72
1155	Acceptor-donor-acceptor conjugated oligomers based on diketopyrrolopyrrole and thienoacenes with four, five and six rings for organic thin-film transistors. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 480-489.	2.0	4
1156	Oxidative C–H/C–H Coupling Reactions between Two (Hetero)arenes. <i>Chemical Reviews</i> , 2017, 117, 8787-8863.	23.0	925
1157	Polybenzobisimidazole-derived two-dimensional supramolecular polymer. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1095-1101.	2.5	7
1158	One-Pot Cascade Synthesis of Substituted Carbazoles from Indoles, Ketones, and Alkenes Using Oxygen as the Oxidant. <i>Journal of Organic Chemistry</i> , 2017, 82, 2935-2942.	1.7	68
1159	Electron-Deficient Dihydroindaceno-Dithiophene Regioisomers for n-Type Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8219-8232.	4.0	37
1160	Low Bandgap Bistetracene-Based Organic Semiconductors Exhibiting Air Stability, High Aromaticity and Mobility. <i>Chemistry - A European Journal</i> , 2017, 23, 5076-5080.	1.7	28
1161	A new high-performance blue to transmissive electrochromic material and use of silver nanowire network electrodes as substrates. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1680-1686.	2.5	24
1162	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
1163	Construction of Bisbenzofuro[2,3- <i>b</i> :3':2'- <i>e</i>]pyridines by Palladium-Catalyzed Double Intramolecular Oxidative C–H/C–H Coupling. <i>Organic Letters</i> , 2017, 19, 1236-1239.	2.4	27
1164	Synthesis of perfluoroalkylated pentacenes and evaluation of their fundamental physical properties. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2522-2535.	1.5	19
1165	Dicyano- and tetracyanopentacene: foundation of an intriguing new class of easy-to-synthesize organic semiconductors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2603-2610.	2.7	17

#	ARTICLE	IF	CITATIONS
1166	Palladium-catalyzed Synthesis and Fluorescence Study of Ethynylated Naphthalene Derivatives. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2238-2244.	1.2	3
1167	A new biodegradable gate dielectric material based on keratin protein for organic thin film transistors. <i>Organic Electronics</i> , 2017, 44, 198-209.	1.4	28
1168	Novel benzo[c][1,2,5]oxadiazole-naphthalenediimide based copolymer for high-performance air-stable n-type field-effect transistors exhibiting high electron mobility of $2.43 \text{ cm}^2/\text{Vs}^2$. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2892-2898.	2.7	21
1169	Enhancing field-effect mobility and maintaining solid-state emission by incorporating 2,6-diphenyl substitution to 9,10-bis(phenylethynyl)anthracene. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2519-2523.	2.7	24
1170	Chalcogen bridged pyrene derivatives: Synthesis, crystal packing structures and field effect transistors properties. <i>Organic Electronics</i> , 2017, 45, 108-114.	1.4	10
1171	Donor-Acceptor Conjugated Polymers Based on Indacenodithiophene Derivative Bridged Diketopyrrolopyrroles: Synthesis and Semiconducting Properties. <i>Macromolecules</i> , 2017, 50, 2344-2353.	2.2	36
1172	Bithiazole: An Intriguing Electron-Deficient Building for Plastic Electronic Applications. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600610.	2.0	27
1173	Multifluorination toward High-Mobility Ambipolar and Unipolar n-Type Donor-Acceptor Conjugated Polymers Based on Isoindigo. <i>Advanced Materials</i> , 2017, 29, 1606217.	11.1	172
1174	Enhanced ambipolar charge transport in staggered carbon nanotube field-effect transistors for printed complementary-like circuits. <i>Current Applied Physics</i> , 2017, 17, 541-547.	1.1	7
1175	Charge transport in nanoscale vertical organic semiconductor pillar devices. <i>Scientific Reports</i> , 2017, 7, 41171.	1.6	9
1176	Anion Induced Dediazotization of In Situ Generated Aniline Diazonium Compounds in Direct C-H Arylation of Heteroarenes: An Experimental and Computational Study. <i>ChemistrySelect</i> , 2017, 2, 1711-1716.	0.7	6
1177	Buta-1,3-diyne-Based π -Conjugated Polymers for Organic Transistors and Solar Cells. <i>Macromolecules</i> , 2017, 50, 1430-1441.	2.2	43
1178	Side-chain modulation of dithienofluorene-based copolymers to achieve high field-effect mobilities. <i>Chemical Science</i> , 2017, 8, 2942-2951.	3.7	46
1179	Poly(<i>p</i> -phenyleniminoboran): ein Bor-Stickstoff-Analogon von Poly(<i>p</i> -phenylenvinylen). <i>Angewandte Chemie</i> , 2017, 129, 2824-2828.	1.6	35
1180	Synthesis and Applications of Thiophene Derivatives as Organic Materials. <i>Advances in Heterocyclic Chemistry</i> , 2017, 123, 105-167.	0.9	37
1181	Inhibition of a structural phase transition in one-dimensional organometal halide perovskite nanorods grown inside porous silicon nanotube templates. <i>Physical Review B</i> , 2017, 95, .	1.1	14
1182	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
1183	Access to π -conjugated azaindole derivatives via rhodium(<i>iii</i>)-catalyzed cascade reaction of azaindoles and diazo compounds. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2902-2905.	1.5	26

#	ARTICLE	IF	CITATIONS
1184	Synthesis of bi- and terthiophenes initiated by microwave-assisted coupling-isomerization reaction. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 66-71.	0.6	5
1185	Discrete Donor–Acceptor Conjugated Systems in Neutral and Oxidized States: Implications toward Molecular Design for High Contrast Electrochromics. <i>Chemistry of Materials</i> , 2017, 29, 1290-1301.	3.2	56
1186	N-Unsubstituted thienoisindigos: preparation, molecular packing and ambipolar organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2509-2512.	2.7	25
1187	Sol-gel metal oxide dielectrics for all-solution-processed electronics. <i>Materials Science and Engineering Reports</i> , 2017, 114, 1-22.	14.8	180
1188	A New Benzodithiophene–Based Cruciform Electron–Donor–Electron–Acceptor Molecule with Ambipolar/Photoresponsive Semiconducting and Red–Light–Emissive Properties. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1277-1284.	1.3	4
1189	Die anellierende Erweiterung von π -Systemen (APEX-Reaktion): ein rascher Zugang zu kondensierten Arenen, Heteroarenen und Nanographenen. <i>Angewandte Chemie</i> , 2017, 129, 11296-11317.	1.6	65
1190	Versatile telluracycle synthesis via the sequential electrophilic telluration of $C(sp^2)$ –Zn and $C(sp^2)$ –H bonds. <i>Chemical Science</i> , 2017, 8, 4527-4532.	3.7	9
1191	Molecular design of n-type organic semiconductors for high-performance thin film transistors. <i>Tetrahedron Letters</i> , 2017, 58, 1903-1911.	0.7	39
1192	Effect of Cross-Conjugation on Derivatives of Benzoisindigo, an Isoindigo Analogue with an Extended π -System. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9110-9119.	1.5	15
1193	Efficient Deep Red Light-Sensing All-Polymer Phototransistors with <i>p</i> -type/ <i>n</i> -type Conjugated Polymer Bulk Heterojunction Layers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14983-14989.	4.0	44
1194	Oriented Covalent Organic Framework Film on Graphene for Robust Ambipolar Vertical Organic Field-Effect Transistor. <i>Chemistry of Materials</i> , 2017, 29, 4367-4374.	3.2	160
1195	Synthesis, characterization and printing application of alkylated indolo[3,2-b]carbazoles. <i>Synthetic Metals</i> , 2017, 228, 9-17.	2.1	16
1196	Cruciform Electron Acceptors Based on Tetraindeno-Fused Spirofluorene. <i>Crystal Growth and Design</i> , 2017, 17, 2816-2821.	1.4	9
1197	One-Pot Synthesis, Stimuli Responsiveness, and White-Light Emissions of Sequence-Defined ABC Triblock Copolymers Containing Polythiophene, Polyallene, and Poly(phenyl isocyanide) Blocks. <i>Macromolecules</i> , 2017, 50, 3204-3214.	2.2	40
1198	Photoexcited State Confinement in Two-Dimensional Crystalline Anthracene Monolayer at Room Temperature. <i>ACS Nano</i> , 2017, 11, 4307-4314.	7.3	17
1199	Furan-based diketopyrrolopyrrole chromophores: Tuning the spectroscopic, electrochemical and aggregation-induced fluorescent properties with various intramolecular donor-acceptor spacers. <i>Journal of Molecular Structure</i> , 2017, 1143, 168-175.	1.8	5
1200	Cyclopentadithiophene-based co-oligomers for solution-processed organic solar cells. <i>Dyes and Pigments</i> , 2017, 143, 112-122.	2.0	6
1201	Synthesis of novel conjugated polymers comprising modified cyclopentadithiophene units in the main chain. <i>High Performance Polymers</i> , 2017, 29, 670-676.	0.8	1

#	ARTICLE	IF	CITATIONS
1202	A DFT Study on the Electronic Structures and Conducting Properties of Rubrene and its Derivatives in Organic Field-Effect Transistors. <i>Scientific Reports</i> , 2017, 7, 331.	1.6	39
1203	Dehydrogenative cross-coupling of o-carborane with thiophenes via Ir-catalyzed regioselective C-H and C(sp ²)-H activation. <i>Chemical Communications</i> , 2017, 53, 4818-4821.	2.2	66
1204	3-Cyanoallyl boronates are versatile building blocks in the synthesis of polysubstituted thiophenes. <i>Chemical Science</i> , 2017, 8, 4431-4436.	3.7	25
1205	Configuration-dependent anti-ambipolar van der Waals π -n heterostructures based on pentacene single crystal and MoS ₂ . <i>Nanoscale</i> , 2017, 9, 7519-7525.	2.8	40
1206	Critical Role of Molecular Symmetry for Charge Transport Properties: A Paradigm Learned from Quinoidal Bithieno[3,4- <i>b</i>]thiophenes. <i>Chemistry of Materials</i> , 2017, 29, 4999-5008.	3.2	24
1207	Naphthodipyrrolidone (NDP) based conjugated polymers with high electron mobility and ambipolar transport properties. <i>Polymer Chemistry</i> , 2017, 8, 3255-3260.	1.9	21
1208	Cu-Catalyzed Aerobic Oxidative C-H/C=O Cyclization of 2,2'-Binaphthols: Practical Synthesis of PXX Derivatives. <i>Organic Letters</i> , 2017, 19, 2714-2717.	2.4	42
1209	A Novel Synthesis of Aryl- and Heteroaryl π -Annulated Carbazoles: Newly Synthesized Pyrido-, Benzo- and Spirooxindolinebenzo- π -carbazols. <i>ChemistrySelect</i> , 2017, 2, 3902-3910.	0.7	9
1210	Facile Approach to Perylenemonoimide with Short Side Chains for Nonfullerene Solar Cells. <i>Journal of Organic Chemistry</i> , 2017, 82, 5926-5931.	1.7	19
1211	A study of fused-ring thieno[3,4- <i>e</i>]pyrazine polymers as n-type materials for organic supercapacitors. <i>Polymer Chemistry</i> , 2017, 8, 5194-5202.	1.9	12
1212	Pyrazine-fused isoindigo: a new building block for polymer solar cells with high open circuit voltage. <i>Chemical Communications</i> , 2017, 53, 5882-5885.	2.2	25
1213	Tuning Frontier Orbital Energetics of Azaisoindigo-Based Polymeric Semiconductors to Enhance the Charge Transport Properties. <i>Advanced Electronic Materials</i> , 2017, 3, 1700078.	2.6	34
1214	Design of Janus triphenylene mesogens: Facile synthesis, mesomorphism, photoluminescence, and semiconductivity. <i>Dyes and Pigments</i> , 2017, 143, 252-260.	2.0	31
1215	Extending the Scope of a New Cyanation: Design and Synthesis of an Anthracene Derivative with an Exceptionally Low LUMO Level and Improved Solubility. <i>ACS Omega</i> , 2017, 2, 1594-1600.	1.6	16
1216	Anthracene-based perylene diimide electron-acceptor for fullerene-free organic solar cells. <i>Dyes and Pigments</i> , 2017, 143, 301-307.	2.0	14
1217	Application of direct (hetero)arylation in constructing conjugated small molecules and polymers for organic optoelectronic devices. <i>Tetrahedron Letters</i> , 2017, 58, 175-184.	0.7	34
1218	Melt-Processing of Complementary Semiconducting Polymer Blends for High Performance Organic Transistors. <i>Advanced Materials</i> , 2017, 29, 1605056.	11.1	82
1219	Recent progress in two-dimensional COFs for energy-related applications. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14463-14479.	5.2	243

#	ARTICLE	IF	CITATIONS
1220	Cyano-Functional Group as an Anchoring Tool for Organic Small Molecules on Gold. <i>Journal of Physical Chemistry C</i> , 2017, 121, 13660-13665.	1.5	5
1221	Asymmetric 2D benzodithiophene and quinoxaline copolymer for photovoltaic applications. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6798-6804.	2.7	10
1222	<i>50th Anniversary Perspective</i>: Putting the Squeeze on Polymers: A Perspective on Polymer Thin Films and Interfaces. <i>Macromolecules</i> , 2017, 50, 4597-4609.	2.2	68
1223	Regioisomerism of an alkyl-substituted bithiophene comonomer in (3E,8E)-3,8-bis(2-oxoindolin-3-ylidene)naphtho-[1,2-b:5,6-b'â€²]difuran-2,7(3H,8H)-dione (INDF)-based Dâ€™A polymers for organic thin film transistors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5902-5909.	2.7	5
1224	Rhodium-catalyzed C2 and C4 Câ€™H activation/annulation of 3-(1H-indol-3-yl)-3-oxopropanenitriles with internal alkynes: a facile access to substituted and fused carbazoles. <i>Chemical Communications</i> , 2017, 53, 6343-6346.	2.2	66
1225	Macroscopically aligned nanowire arrays of Î€-conjugated polymers via shear-enhanced crystallization. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5128-5134.	2.7	19
1226	Dehydrogenative homocoupling of tetrafluorobenzene on Pd(111) via para-selective Câ€™H activation. <i>Chemical Communications</i> , 2017, 53, 6347-6350.	2.2	15
1227	Synthesis and characterization of carbazolo[2,1-a]carbazole in thin film and single crystal field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7020-7027.	2.7	8
1228	Dual role of polyphosphoric acid-activated nitroalkanes in oxidative peri-annulations: efficient synthesis of 1,3,6,8-tetraazapyrenes. <i>RSC Advances</i> , 2017, 7, 29927-29932.	1.7	19
1229	Synthesis, Properties, and Semiconducting Characteristics of BF₂ Complexes of Î²,Î²'-Bisphenanthrene-Fused Azadipyrromethenes. <i>Organic Letters</i> , 2017, 19, 2893-2896.	2.4	57
1230	BN Tetracene: Extending the Reach of BN/CC Isosterism in Acenes. <i>Organometallics</i> , 2017, 36, 2494-2497.	1.1	54
1231	Facile synthesis of a narrow-bandgap strong-donor-alt-strong-acceptor copolymer of poly(5,6-difluorobenzoc-[c][1,2,5]-thiadiazole-alt-5H-dithieno[3,2-b:2â€™,3'-d]pyran) via direct C-H arylation polymerization. <i>Dyes and Pigments</i> , 2017, 145, 331-338.	2.0	8
1232	Self-Doped N-Type Water/Alcohol Soluble-Conjugated Polymers with Tailored Backbones and Polar Groups for Highly Efficient Polymer Solar Cells. <i>Solar Rrl</i> , 2017, 1, 1700055.	3.1	46
1233	Laterally stretched polycyclic aromatic hydrocarbons: synthesis of dibenzophenanthroheptaphene and tetrabenzotriphenylenopyranthrene derivatives. <i>New Journal of Chemistry</i> , 2017, 41, 6025-6032.	1.4	6
1234	Racemic charge-transfer complexes of a helical polycyclic aromatic hydrocarbon molecule. <i>CrystEngComm</i> , 2017, 19, 3626-3632.	1.3	19
1235	Understanding the molecular gelation processes of heteroatomic conjugated polymers for stable blue polymer light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6762-6770.	2.7	19
1236	Solution-grown unidirectionally oriented crystalline thin films of a U-shaped thienoacene-based semiconductor for high-performance organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5872-5876.	2.7	17
1237	A theoretical study on the isomers of the B5TB heteroacene for improved semiconductor properties in organic electronics. <i>Computational and Theoretical Chemistry</i> , 2017, 1115, 22-29.	1.1	5

#	ARTICLE	IF	CITATIONS
1238	Towards the photophysical studies of humin by-products. <i>Chemical Communications</i> , 2017, 53, 7015-7017.	2.2	14
1239	A new route to π -extended polycyclic aromatic hydrocarbons via cross-dehydrogenative coupling. <i>Catalysis Science and Technology</i> , 2017, 7, 2930-2934.	2.1	7
1240	Organic Donor-Acceptor Complexes as Novel Organic Semiconductors. <i>Accounts of Chemical Research</i> , 2017, 50, 1654-1662.	7.6	296
1241	Copper(II)-promoted oxidative C-H/C-H cross-coupling for rapid access to aza-BODIPY-indole derivatives with broad optical absorption. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6888-6891.	1.5	6
1242	Synthesis and Properties of Dicyanomethylene-Endcapped Thienopyrrole-Based Quinoidal S-N-Heteroacenes. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 789-797.	2.0	10
1243	Molecular Engineering with Organic Carbonyl Electrode Materials for Advanced Stationary and Redox Flow Rechargeable Batteries. <i>Advanced Materials</i> , 2017, 29, 1607007.	11.1	247
1244	Isoidigo dye incorporated copolymers with diselenophenylene: Synthesis, characterization, and enhanced mobilities in field-effect transistors with electrodes modified by thiol-based self-assembled monolayers. <i>Polymer</i> , 2017, 112, 180-188.	1.8	10
1245	Ethynylene-Bridged Conjugate Carbazole Trimers: Synthesis and their Structural, Photophysical, and Electrochemical Properties. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 841-851.	1.3	8
1246	Direct arylation polymerization toward a narrow bandgap donor-acceptor conjugated polymer of alternating 5,6-difluoro-2,1,3-benzothiadiazole and alkyl-4-quinoline: From synthesis, optoelectronic properties to devices. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1869-1879.	2.5	19
1247	Layer-by-layer coating of oriented conjugated polymer films towards anisotropic electronics. <i>Synthetic Metals</i> , 2017, 227, 29-36.	2.1	30
1248	Extended Study of Visible-Light-Induced Photocatalytic [4 + 2] Benzannulation: Synthesis of Polycyclic (Hetero)Aromatics. <i>Journal of Organic Chemistry</i> , 2017, 82, 4369-4378.	1.7	34
1249	Micro-orientation control of silicon polymer thin films on graphite surfaces modified by heteroatom doping. <i>Applied Surface Science</i> , 2017, 405, 255-266.	3.1	1
1250	An In Silico Study on the Isomers of Pentacene: The Case for Air-Stable and Alternative C ₂₂ H ₁₄ Acenes for Organic Electronics. <i>Journal of Physical Chemistry A</i> , 2017, 121, 2804-2813.	1.1	19
1251	Thieno[3,4- <i>b</i>]thiophene-Based Novel Small-Molecule Optoelectronic Materials. <i>Accounts of Chemical Research</i> , 2017, 50, 1342-1350.	7.6	148
1252	Benzotriazole-based donor-acceptor type low band gap polymers with a siloxane-terminated side-chain for electrochromic applications. <i>Polymer</i> , 2017, 116, 226-232.	1.8	27
1253	High-performance solution-processed organic thin-film transistors based on a soluble DNNT derivative. <i>Organic Electronics</i> , 2017, 46, 68-76.	1.4	12
1254	Rational design of diarylethylene-based polymeric semiconductors for high-performance organic field-effect transistors. <i>Journal of Polymer Science Part A</i> , 2017, 55, 585-603.	2.5	15
1255	Third- and high-order nonlinear optical properties of an intramolecular charge-transfer compound. <i>RSC Advances</i> , 2017, 7, 4825-4829.	1.7	18

#	ARTICLE	IF	CITATIONS
1256	Bis(2-diketopyrrolopyrrole Moieties as a Promising Building Block to Enable Balanced Ambipolar Polymers for Flexible Transistors. <i>Advanced Materials</i> , 2017, 29, 1606162.	11.1	99
1257	Annulative π -Extension (APEX): Rapid Access to Fused Arenes, Heteroarenes, and Nanographenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11144-11164.	7.2	220
1258	Optimized synthesis of π -extended squaraine dyes relevant to organic electronics by direct (hetero)arylation and Sonogashira coupling reactions. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3310-3319.	1.5	22
1259	Annulative π -Extension (APEX) of Heteroarenes with Dibenzosiloles and Dibenzogermoles by Palladium/Chloranil Catalysis. <i>Organic Letters</i> , 2017, 19, 1930-1933.	2.4	77
1260	Regioregular narrow-bandgap-conjugated polymers for plastic electronics. <i>Nature Communications</i> , 2017, 8, 14047.	5.8	182
1261	Two-dimensional Crystallization of Rylene Diimide Based n-Type Semiconductors Tuned by the Dimensions of the Aromatic Core at the Liquid-Solid Interface. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1104-1110.	1.7	10
1262	Tunable emission in aggregated T-Shaped 2H-Benzo[d][1,2,3]triazoles with waveguide behaviour. <i>Dyes and Pigments</i> , 2017, 142, 212-225.	2.0	26
1263	Synthesis and optical and electrochemical properties of a bispyrimidinium-dibenzothiophene-S, S-dioxide-based cationic conjugated polymer. <i>Tetrahedron</i> , 2017, 73, 2649-2655.	1.0	2
1264	Highly soluble small-molecule organic semiconductor with trihexylsilyloxy side chain for high-performance organic field-effect transistors with mobility of up to $3.10 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$. <i>Dyes and Pigments</i> , 2017, 142, 17-23.	2.0	26
1265	Effects of chalcogen atom substitution on the optoelectronic and charge-transport properties in pincene-type π -systems. <i>Chemical Communications</i> , 2017, 53, 3814-3817.	2.2	34
1266	Comparable charge transport property based on S \cdots S interactions with that of π - π stacking in a bis-fused tetrathiafulvalene compound. <i>Science China Chemistry</i> , 2017, 60, 510-515.	4.2	9
1267	Microstructure engineering of polymer semiconductor thin films for high-performance field-effect transistors using a bi-component processing solution. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3568-3578.	2.7	13
1268	Effect of alkyl chain spacer on charge transport in n-type dominant polymer semiconductors with a diketopyrrolopyrrole-thiophene-bithiazole acceptor-donor-acceptor unit. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3616-3622.	2.7	23
1269	Development of Transparent Organic Hole-transporting Materials Using Partially Oxygen-bridged Triphenylamine Skeletons. <i>Chemistry Letters</i> , 2017, 46, 817-820.	0.7	20
1270	Structural, Photophysical, and Magnetic Circular Dichroism Studies of Three Rigidified meso-Pentafluorophenyl-Substituted Hexaphyrin Analogues. <i>Chemistry - A European Journal</i> , 2017, 23, 6682-6692.	1.7	12
1271	Heptacene: Characterization in Solution, in the Solid State, and in Films. <i>Journal of the American Chemical Society</i> , 2017, 139, 4435-4442.	6.6	97
1272	Porous Organic Field-Effect Transistors for Enhanced Chemical Sensing Performances. <i>Advanced Functional Materials</i> , 2017, 27, 1700018.	7.8	122
1273	Bis(2-oxo-7-azaindolin-3-ylidene)benzodifuran-dione-based donor-acceptor polymers for high-performance n-type field-effect transistors. <i>Polymer Chemistry</i> , 2017, 8, 2381-2389.	1.9	17

#	ARTICLE	IF	CITATIONS
1274	High-Performance, Air-Stable Field-Effect Transistors Based on Heteroatom-Substituted Naphthalenediimide-Benzothiadiazole Copolymers Exhibiting Ultrahigh Electron Mobility up to 8.5 cm ² V ⁻¹ s ⁻¹ . <i>Advanced Materials</i> , 2017, 29, 1602410.	11.1	187
1275	Cp*Co(III)-Catalyzed <i>syn</i> -Selective C-H Hydroarylation of Alkynes Using Benzamides: An Approach Toward Highly Conjugated Organic Frameworks. <i>Journal of Organic Chemistry</i> , 2017, 82, 420-430.	1.7	46
1276	Synthesis of 1,2-Bis(2-aryl-1H-indol-3-yl)ethynes via 5-exo-Digonal Double Cyclization Reactions of 1,4-Bis(2-isocyanophenyl)buta-1,3-diyne with Aryl Grignard Reagents. <i>Journal of Organic Chemistry</i> , 2017, 82, 652-663.	1.7	14
1277	Multi-substituted deep-blue emitting carbazoles: a comparative study on photophysical and electroluminescence characteristics. <i>Journal of Materials Chemistry C</i> , 2017, 5, 709-726.	2.7	47
1278	Novel Anthrathiophene-Based Small Molecules as Donor Material for Organic Photovoltaics: Synthesis and Light-Induced EPR Study. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 425-438.	1.4	10
1279	Sequence Effects in Donor-Acceptor Oligomeric Semiconductors Comprising Benzothiadiazole and Phenylenevinylene Monomers. <i>Macromolecules</i> , 2017, 50, 151-161.	2.2	33
1280	A Convenient One-Pot Route to Screw-Shaped [5]Azahelicenes via Rhodium(III)-Catalyzed Multiple C-H Bond Activation. <i>Chemistry - an Asian Journal</i> , 2017, 12, 415-418.	1.7	17
1281	Quaternisation-polymerized N-type polyelectrolytes: synthesis, characterisation and application in high-performance polymer solar cells. <i>Materials Horizons</i> , 2017, 4, 88-97.	6.4	93
1282	Palladium-catalyzed synthesis of indole fused coumarins via cross-dehydrogenative coupling. <i>Tetrahedron Letters</i> , 2017, 58, 313-316.	0.7	32
1283	Tuning crystal polymorphs of a π -extended tetrathiafulvalene-based cruciform molecule towards high-performance organic field-effect transistors. <i>Science China Materials</i> , 2017, 60, 75-82.	3.5	14
1284	Hole Mobility and Electron Injection Properties of π -A Conjugated Copolymers with Fluorinated Phenylene Acceptor Units. <i>Advanced Materials</i> , 2017, 29, 1603830.	11.1	45
1285	Molecular Crystal Engineering: Tuning Organic Semiconductor from <i>p</i> -type to <i>n</i> -type by Adjusting Their Substitutional Symmetry. <i>Advanced Materials</i> , 2017, 29, 1605053.	11.1	64
1286	Tris(S,S-dioxide)-trithiasumanene: strong fluorescence and cocrystal with 1,2,6,7,10,11-hexabutoxytriphenylene. <i>Chemical Communications</i> , 2017, 53, 1546-1549.	2.2	38
1287	Synthesis and optical and electrochemical properties of water-soluble cationic fluorophores based on bispyridinium and dibenzothiophene-S,S-dioxide. <i>New Journal of Chemistry</i> , 2017, 41, 1696-1703.	1.4	5
1288	Tuning the optical and electrochemical properties of conjugated all-thiophene dendrimers via core functionalization with a benzothiadiazole unit. <i>RSC Advances</i> , 2017, 7, 1606-1616.	1.7	4
1289	Enhanced and Anisotropic Charge Transport in Polymer-Based Thin-Film Transistors by Guiding Polymer Growth. <i>Crystal Growth and Design</i> , 2017, 17, 629-636.	1.4	6
1290	Understanding dispersive charge-transport in crystalline organic-semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 231-236.	1.3	3
1291	Effects of a highly lipophilic substituent on the environmental stability of naphthalene tetracarboxylic diimide-based n-channel thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 848-853.	2.7	17

#	ARTICLE	IF	CITATIONS
1292	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
1293	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
1294	Asymmetric thiophene/pyridine flanked diketopyrrolopyrrole polymers for high performance polymer ambipolar field-effect transistors and solar cells. <i>Journal of Materials Chemistry C</i> , 2017, 5, 566-572.	2.7	51
1295	Doping Versatile n-Type Organic Semiconductors via Room Temperature Solution-Processable Anionic Dopants. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 1136-1144.	4.0	35
1296	Head-to-Head Linkage Containing Dialkoxybithiophene-Based Polymeric Semiconductors for Polymer Solar Cells with Large Open-Circuit Voltages. <i>Macromolecules</i> , 2017, 50, 137-150.	2.2	37
1297	Thiophene-Based Organic Semiconductors. <i>Topics in Current Chemistry</i> , 2017, 375, 84.	3.0	88
1298	Tunable Heck-Mizoroki Reaction of Dibromonaphthalene Diimide with Aryl Ethylenes: Design, Synthesis, and Characterization of Coplanar NDI-Based Conjugated Molecules. <i>Journal of Organic Chemistry</i> , 2017, 82, 12806-12812.	1.7	8
1299	A solution-based single-molecule study of surface-bound PBIs: solvent-mediated environmental effects on molecular flexibility. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 29255-29262.	1.3	1
1300	Synthesis and Characterization of Polycyclic Aromatic Hydrocarbons with Different Spatial Constructions Based on Hexaphenylbenzene Derivatives. <i>Chemistry - an Asian Journal</i> , 2017, 12, 3016-3026.	1.7	5
1301	Exploring novel poly(thiophene- <i>b</i> -amine) through facile self acid assisted polycondensation. <i>Journal of Polymer Science Part A</i> , 2017, 55, 4003-4012.	2.5	5
1302	Way to Highly Emissive Materials: Increase of Rigidity by Introduction of a Furan Moiety in Co-Oligomers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23359-23369.	1.5	32
1303	A modular route to boron doped PAHs by combining boronative cyclisation and electrophilic H borylation. <i>Chemical Science</i> , 2017, 8, 7969-7977.	3.7	57
1304	Unraveling the Solution-State Supramolecular Structures of Donor-Acceptor Polymers and their Influence on Solid-State Morphology and Charge-Transport Properties. <i>Advanced Materials</i> , 2017, 29, 1701072.	11.1	125
1305	Synthesis of Octaaryl Naphthalenes and Anthracenes with Different Substituents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15010-15013.	7.2	29
1306	Polythiophene-block-poly(phenyl isocyanide) copolymers: One-pot synthesis, properties and applications. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 1447-1456.	2.0	14
1307	Molecular Assembly-Induced Charge Transfer for Programmable Functionalities. <i>Chemistry of Materials</i> , 2017, 29, 9851-9858.	3.2	9
1308	Donor-Acceptor Conjugated Macrocycles: Synthesis and Host-Guest Coassembly with Fullerene toward Photovoltaic Application. <i>ACS Nano</i> , 2017, 11, 11701-11713.	7.3	64
1309	Unexpected One-Pot Synthesis of Diindolotriazatruxene: A Planar Electron-Rich Scaffold Toward Highly Extended PAHs. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1749-1754.	1.3	5

#	ARTICLE	IF	CITATIONS
1310	The promotion effects of thionation and isomerization on charge carrier mobility in naphthalene diimide crystals. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28175-28181.	1.3	13
1311	Boosting the Charge Transport Property of Indeno[1,2- <i>b</i>]fluorene-6,12-dione through Incorporation of Sulfur- or Nitrogen-Linked Side Chains. <i>Advanced Functional Materials</i> , 2017, 27, 1702318.	7.8	31
1312	High-Performance Field-Effect Transistor Based on Novel Conjugated P- <i>o</i> -Fluoro- <i>p</i> -alkoxyphenyl-Substituted Polymers by Graphdiyne Doping. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23300-23306.	1.5	25
1313	Pulling with the Pentafluorosulfanyl Acceptor in Push-Pull Dyes. <i>Journal of Organic Chemistry</i> , 2017, 82, 11008-11020.	1.7	43
1314	Novel Fluorophores based on Regioselective Intramolecular Friedel-Crafts Acylation of the Pyrene Ring Using Triflic Acid. <i>Chemistry - A European Journal</i> , 2017, 23, 16184-16188.	1.7	12
1315	Asymmetric Conjugated Molecules Based on [1]Benzothieno[3,2- <i>b</i>][1]benzothiophene for High-Mobility Organic Thin-Film Transistors: Influence of Alkyl Chain Length. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35427-35436.	4.0	65
1316	Naphthalene Bis(4,8-diamino-1,5-dicarboxyl)amide Building Block for Semiconducting Polymers. <i>Journal of the American Chemical Society</i> , 2017, 139, 14356-14359.	6.6	46
1317	Modular Synthesis of Carbazole-Based Conjugated Molecules through a One-Pot Annulation/Dehydrogenation Sequence. <i>Journal of Organic Chemistry</i> , 2017, 82, 11182-11191.	1.7	46
1318	High-Performance Inorganic Perovskite Quantum Dot-Organic Semiconductor Hybrid Phototransistors. <i>Advanced Materials</i> , 2017, 29, 1704062.	11.1	137
1319	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
1320	High-Performance Polymer Semiconductor-Based Nonvolatile Memory Cells with Nondestructive Read-Out. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24352-24357.	1.5	7
1321	Composition-dependent nanoelectronics of amido-phenazines: non-volatile RRAM and WORM memory devices. <i>Scientific Reports</i> , 2017, 7, 13308.	1.6	31
1322	Synthesis of Octaaryl Naphthalenes and Anthracenes with Different Substituents. <i>Angewandte Chemie</i> , 2017, 129, 15206-15209.	1.6	12
1323	Ī-Extended Isoindigo-Based Derivative: A Promising Electron-Deficient Building Block for Polymer Semiconductors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40549-40555.	4.0	29
1324	Single molecular system of alkoxy stilbene-imine derivative as semiconductor material. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
1325	A Naphtho- <i>p</i> -quinodimethane Exhibiting Baird's (Anti)Aromaticity, Broken Symmetry, and Attractive Photoluminescence. <i>Journal of Organic Chemistry</i> , 2017, 82, 10167-10173.	1.7	22
1326	Role of intermolecular charge delocalization and its dimensionality in efficient band-like electron transport in crystalline 2,5-difluoro-7,7,8,8-tetracyanoquinodimethane (F ₂ -TCNQ). <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25478-25486.	1.3	28
1327	Alkyl chain engineering of pyrene-fused perylene diimides: impact on transport ability and microfiber self-assembly. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2341-2348.	3.2	23

#	ARTICLE	IF	CITATIONS
1328	Influence of Simultaneous Tuning of Molecular Weights and Alkyl Substituents of Poly(thienoisindigo- <i>alt</i> -naphthalene)s on Morphology and Charge Transport Properties. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30755-30763.	4.0	14
1329	Trichalcogenasumanene <i>ortho</i> -Quinones: Synthesis, Properties, and Transformation into Various Heteropolycycles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13470-13474.	7.2	38
1330	Rotational superstructure in van der Waals heterostructure of self-assembled C ₆₀ monolayer on the WSe ₂ surface. <i>Nanoscale</i> , 2017, 9, 13245-13256.	2.8	23
1331	Trichalcogenasumanene <i>ortho</i> -Quinones: Synthesis, Properties, and Transformation into Various Heteropolycycles. <i>Angewandte Chemie</i> , 2017, 129, 13655-13659.	1.6	13
1332	Photo-switchable field-effect transistors based on two-dimensional stilbene oligomer crystals. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9597-9601.	2.7	19
1333	Electrophilically activated nitroalkanes in the synthesis of 6,7-dihydro-1H-cyclopenta[g]perimidines. <i>Russian Journal of Organic Chemistry</i> , 2017, 53, 1081-1084.	0.3	7
1334	Discrete face-to-face stacking of anthracene inducing high-efficiency excimer fluorescence in solids via a thermally activated phase transition. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10061-10067.	2.7	80
1335	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
1336	Synthesis and investigation on processing-depending polarized fluorescence emission in thin-films of 2,2'-([2,2'-bithiophene]-5,5'-diyl)bis(5-octyl-4-phenyl-4H-thieno[2,3-c]pyrrol-6(5H)-one). <i>Journal of Materials Chemistry C</i> , 2017, 5, 10320-10331.	2.7	5
1337	Assembly of Conjugated Nanosystems for Electronic Sensing Devices. <i>Advanced Electronic Materials</i> , 2017, 3, 1700209.	2.6	11
1338	PTB7-Th based organic solar cell with a high Voc of 1.05 V by modulating the LUMO energy level of benzotriazole-containing non-fullerene acceptor. <i>Science Bulletin</i> , 2017, 62, 1275-1282.	4.3	30
1339	Synthesis and C-H Functionalization Chemistry of Thiazole-Semicoronenediimides (TsCDIs) and -Coronenediimides (TCDIs). <i>Journal of Organic Chemistry</i> , 2017, 82, 10139-10148.	1.7	8
1340	Molecular-scale electronics: From device fabrication to functionality. <i>Chinese Chemical Letters</i> , 2017, 28, 2058-2064.	4.8	17
1341	Temperature controlled interlayer disorder in ultrathin films of 1,2,3,4,5,6-hexithiophene. <i>Thin Solid Films</i> , 2017, 642, 182-187.	0.8	2
1342	Efficient and thermally stable inverted perovskite solar cells by introduction of non-fullerene electron transporting materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20615-20622.	5.2	74
1343	A van der Waals Heterojunction Based on Polymer-2D Layered MoS ₂ for Solution Processable Electronics. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21945-21954.	1.5	22
1344	Evaluation of (E)-1,2-di(furan-2-yl)ethene as building unit in diketopyrrolopyrrole alternating copolymers for transistors. <i>Polymer Chemistry</i> , 2017, 8, 6181-6187.	1.9	22
1345	Morphology and Electronic Properties of N-Ditridecylperylene-3,4,9,10-tetracarboxylic Diimide Layered Aggregates: From Structural Predictions to Charge Transport. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21857-21864.	1.5	14

#	ARTICLE	IF	CITATIONS
1346	Theoretical study of the charge transport mechanism in π -stacked systems of organic semiconductor crystals. <i>CrystEngComm</i> , 2017, 19, 6008-6019.	1.3	13
1347	A (001) dominated conjugated polymer with high-performance of hydrogen evolution under solar light irradiation. <i>Chemical Communications</i> , 2017, 53, 10536-10539.	2.2	47
1348	1,2,5,6-Naphthalenediimide-based conjugated copolymers linked by ethynyl units. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 1342-1351.	2.0	3
1349	Effects of terthiophene as the end-groups in triblock copolymers consisting of poly(fluorene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 <i>Photochemistry and Photobiology A: Chemistry</i> , 2017, 349, 18-24.	2.0	6
1350	Ultrahigh mobility and efficient charge injection in monolayer organic thin-film transistors on boron nitride. <i>Science Advances</i> , 2017, 3, e1701186.	4.7	146
1351	Helicene: A Helical Molecular Tweezer with Tunable Intra- and Intermolecular Charge Transfer. <i>Chemistry - A European Journal</i> , 2017, 23, 15012-15016.	1.7	9
1352	Protonation tuning of quantum interference in azulene-type single-molecule junctions. <i>Chemical Science</i> , 2017, 8, 7505-7509.	3.7	58
1353	Visible-Light-Promoted Arylation Reactions Photocatalyzed by Bismuth(III) Oxide. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6986-6990.	1.2	31
1354	Microwave-assisted, ligand-free, direct C-H arylation of thiophenes in biomass-derived β -valerolactone. <i>New Journal of Chemistry</i> , 2017, 41, 9210-9215.	1.4	20
1356	Highly-conducting molecular circuits based on antiaromaticity. <i>Nature Communications</i> , 2017, 8, 15984.	5.8	111
1357	High-Performance Bottom-Contact Organic Thin-Film Transistors by Improving the Lateral Contact. <i>Advanced Electronic Materials</i> , 2017, 3, 1700128.	2.6	12
1358	Engineering of Amorphous Polymeric Insulators for Organic Field-Effect Transistors. <i>Advanced Electronic Materials</i> , 2017, 3, 1700157.	2.6	38
1359	Isoindigo-Based Polymers with Small Effective Masses for High-Mobility Ambipolar Field-Effect Transistors. <i>Advanced Materials</i> , 2017, 29, 1702115.	11.1	115
1360	Synthesis and Characterisation of Fused Heterocyclic Molecular Rods: A Combined Experimental and Theoretical Study on Diethynyl Dithienothiophenyl Derivatives. <i>ChemistrySelect</i> , 2017, 2, 5958-5964.	0.7	5
1361	Self-assembled coronene nanofiber arrays: toward integrated organic bioelectronics for efficient isolation, detection, and recovery of cancer cells. <i>RSC Advances</i> , 2017, 7, 36765-36776.	1.7	4
1362	An aromatic amine-containing polymer as an additive to ambipolar polymer semiconductor realizing unipolar n-type charge transport. <i>Organic Electronics</i> , 2017, 49, 406-414.	1.4	8
1363	Organic High Electron Mobility Transistors Realized by 2D Electron Gas. <i>Advanced Materials</i> , 2017, 29, 1702427.	11.1	20
1364	Synthesis and Properties of New N-Heteroheptacenes for Solution-Based Organic Field Effect Transistors. <i>Chemistry - A European Journal</i> , 2017, 23, 12542-12549.	1.7	20

#	ARTICLE	IF	CITATIONS
1365	Geometric Shape Regulation and Noncovalent Synthesis of One-Dimensional Organic Luminescent Nano-/Micro-Materials. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3711-3717.	2.1	5
1366	Dissecting Trichalcogenasumanenes: From Bowl to Planar, Invertible Curvature, and Chiral Polycycles. <i>Chemistry - A European Journal</i> , 2017, 23, 14375-14383.	1.7	25
1367	4,5,9,10-Pyrene Diimides: A Family of Aromatic Diimides Exhibiting High Electron Mobility and Two-Photon Excited Emission. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13031-13035.	7.2	86
1368	Enhanced stability of a rubrene analogue with a brickwork packing motif. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8376-8379.	2.7	4
1369	Ladder-type nonacyclic indacenodithieno[3,2-b]indole for highly efficient organic field-effect transistors and organic photovoltaics. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8988-8998.	2.7	14
1370	Rodlike Tetracene Derivatives. <i>Chemistry - A European Journal</i> , 2017, 23, 13445-13454.	1.7	12
1371	Alcohol soluble cyanopyridine based conjugated donor-acceptor polymers: Synthesis, photophysical and their charge transport behavior. <i>European Polymer Journal</i> , 2017, 95, 1-10.	2.6	1
1372	4,5,9,10-Pyrene Diimides: A Family of Aromatic Diimides Exhibiting High Electron Mobility and Two-Photon Excited Emission. <i>Angewandte Chemie</i> , 2017, 129, 13211-13215.	1.6	27
1373	Direct synthesis of polyaromatic chains of tribenzopentaphene copolymers through cyclodehydrogenation of their polytetraphenylbenzene precursors. <i>Journal of Polymer Science Part A</i> , 2017, 55, 3565-3572.	2.5	3
1374	Photophysics, Electrochemistry, Morphology, and Bioimaging Applications of New 1,8-Naphthalimide Derivatives Containing Different Chromophores. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2612-2622.	1.7	16
1375	Copper-Catalyzed Direct, Regioselective Arylation of N-Oxides: Studies To Access Conjugated Systems. <i>Journal of Organic Chemistry</i> , 2017, 82, 8933-8942.	1.7	50
1376	Origin and role of gap states in organic semiconductor studied by UPS: as the nature of organic molecular crystals. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 423002.	1.3	97
1377	9,10-Phenanthreneimines as Scaffolds for Exploring Noncovalent Interactions: A Structural and Computational Study. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5597-5609.	1.2	3
1378	Methylthionated benzo[1,2-b:4,5-b']dithiophenes: a model study to control packing structures and molecular orientation in thienoacene-based organic semiconductors. <i>Chemical Communications</i> , 2017, 53, 9594-9597.	2.2	27
1379	Preparation of 9,10-diarylphenanthrene derivative and its application in full color emitters synthesis. <i>Chemical Research in Chinese Universities</i> , 2017, 33, 574-580.	1.3	1
1380	A New Electron Acceptor with meta-Alkoxyphenyl Side Chain for Fullerene-Free Polymer Solar Cells with 9.3% Efficiency. <i>Advanced Science</i> , 2017, 4, 1700152.	5.6	40
1381	Nonacene Generated by On-Surface Dehydrogenation. <i>ACS Nano</i> , 2017, 11, 9321-9329.	7.3	107
1382	Ultrafast Quantum Effects and Vibrational Dynamics in Organic and Biological Systems. <i>Springer Theses</i> , 2017, , .	0.0	0

#	ARTICLE	IF	CITATIONS
1383	On-surface synthesis of heptacene and its interaction with a metal surface. <i>Nanoscale</i> , 2017, 9, 12461-12469.	2.8	59
1384	The emergent intramolecular hydrogen bonding effect on the electronic structures of organic electron acceptors. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23905-23909.	1.3	10
1385	Phase separation and electrical performance of bithienopyrroledione polymer semiconductors embedded in insulating polymers. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2265-2270.	3.2	6
1386	Synthesis and optical and electrochemical properties of a phenanthrodithiophene (fused-benzo[c]thiophene) derivative. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7302-7307.	1.5	4
1387	Ultrafast photoresponse organic phototransistors based on pyrimido[4,5-g]quinazoline-4,9-dione polymer. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8742-8748.	2.7	8
1388	Polythiophene: From Fundamental Perspectives to Applications. <i>Chemistry of Materials</i> , 2017, 29, 10248-10283.	3.2	286
1389	Tailoring Phase Transition in Poly(3-hexylselenophene) Thin Films and Correlating Their Crystalline Polymorphs with Charge Transport Properties for Organic Field-Effect Transistors. <i>Macromolecules</i> , 2017, 50, 9674-9682.	2.2	29
1390	Trifluoromethylated Corannulene Derivatives. , 2017, , 91-111.		2
1391	Role of halogen-halogen interactions in the 2D crystallization of n-semiconductors at the liquid-solid interface. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31540-31544.	1.3	14
1392	Dimensionally controlled water-dispersible amplifying fluorescent polymer nanoparticles for selective detection of charge-neutral analytes. <i>Polymer Chemistry</i> , 2017, 8, 7507-7514.	1.9	24
1393	2,1,3-Benzothiadiazole-5,6-dicarboxylicimide-Based Polymer Semiconductors for Organic Thin-Film Transistors and Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 42167-42178.	4.0	25
1394	Difluorobenzoxadiazole-Based Polymer Semiconductors for High-Performance Organic Thin-Film Transistors with Tunable Charge Carrier Polarity. <i>Advanced Electronic Materials</i> , 2017, 3, 1700100.	2.6	13
1395	Metal and Metal Oxide Nanoparticles in Photoinactivation of Pathogens. , 2017, , 257-278.		0
1396	Synthesis and photophysical properties of new through-space conjugated luminogens constructed by folded tetraphenylethene. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12553-12560.	2.7	18
1397	A small bandgap (3,7-bis(2-oxoindolin-3-ylidene)benzo[1,2-b:4,5-b']difuran-2,6(3H,7H)-dione (IBDF) based polymer semiconductor for near-infrared organic phototransistors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12163-12171.	2.7	26
1398	<i>n</i> -BuLi-Promoted Intermolecular Regioselective Nucleophilic Addition of Arenes to Diazo Compounds as <i>N</i> -Terminal Electrophiles: Efficient Synthesis of Hydrazine Derivatives. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6137-6145.	1.2	11
1399	Linear Conjugated Polymer Backbones Improve Alignment in Nanogroove-Assisted Organic Field-Effect Transistors. <i>Journal of the American Chemical Society</i> , 2017, 139, 17624-17631.	6.6	72
1400	The role of the electrode configuration on the electrical properties of small-molecule semiconductor thin-films. <i>Organic Electronics</i> , 2017, 49, 107-113.	1.4	17

#	ARTICLE	IF	CITATIONS
1401	Theoretical study on electron structure and charge transport properties of tetraazapentacene derivatives. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 76, 535-542.	1.3	3
1402	First-principles study of band structures of anthracene and tetracene under pressure. <i>Materials Chemistry and Physics</i> , 2017, 199, 173-178.	2.0	5
1403	Quinoxaline-based conjugated polymers for polymer solar cells. <i>Polymer Chemistry</i> , 2017, 8, 4613-4636.	1.9	85
1404	Predicted energy-structure-function maps for the evaluation of small molecule organic semiconductors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7574-7584.	2.7	81
1405	A metal-free cascade reaction of β -halo- α,β -unsaturated aldehydes and 1,4-dithiane-2,5-diols: synthesis of polycyclic 2-formylthiophenes. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6470-6473.	1.5	10
1406	Predictably Ordered Open Hydrogen-Bonded Networks Built from Indeno[1,2- <i>b</i>]fluorenes. <i>Journal of Organic Chemistry</i> , 2017, 82, 8536-8547.	1.7	15
1407	Synthesis of Thieno-Fused Five- and Six-Membered Nitrogen and Oxygen Heterocycles via Intramolecular Heteroannulation of 4,5-Substituted 3-Amino or 3-Hydroxy 2-Functionalized Thiophenes. <i>Journal of Organic Chemistry</i> , 2017, 82, 7920-7938.	1.7	38
1408	Multi-vinyl linked benzothiadiazole conjugated polymers: high performance, low crystalline material for transistors. <i>Chemical Communications</i> , 2017, 53, 8176-8179.	2.2	8
1409	Organic and Polymeric Semiconductors Enhanced by Noncovalent Conformational Locks. <i>Chemical Reviews</i> , 2017, 117, 10291-10318.	23.0	575
1410	The effect of gate dielectric deposition at different vacuum conditions on the field-effect mobility of pentacene based organic field effect transistors. <i>Thin Solid Films</i> , 2017, 636, 485-489.	0.8	6
1411	Synthesis and optimization solid-state order using side-chain position of thieno-isoidigo derivative-based D-A polymers for high-performance ambipolar organic thin films transistors. <i>Dyes and Pigments</i> , 2017, 137, 221-228.	2.0	18
1412	A new class of nanostructured supramolecular organic semiconductors based on intertwined multi-lamellar co-assemblies in π -conjugated liquid-crystalline side-chain polymers. <i>Polymer Journal</i> , 2017, 49, 31-39.	1.3	12
1413	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
1414	Precise Synthesis of Block and Miktoarm Star-Branched Polymers Containing Polythiophene Segments with Low Dispersity by Combination of Living Anionic Polymerization and Catalyst-Transfer Polycondensation Systems. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, .	1.1	7
1415	Strategies for the Synthesis of Higher Acenes. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 14-24.	1.2	75
1416	Array of Organic Field-Effect Transistor for Advanced Sensing. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2017, 7, 92-101.	2.7	14
1417	MoS ₂ /Rubrene van der Waals Heterostructure: Toward Ambipolar Field-Effect Transistors and Inverter Circuits. <i>Small</i> , 2017, 13, 1602558.	5.2	40
1418	Welcoming natural isotopic abundance in solid-state NMR: probing π -stacking and supramolecular structure of organic nanoassemblies using DNP. <i>Chemical Science</i> , 2017, 8, 974-987.	3.7	48

#	ARTICLE	IF	CITATIONS
1419	Sodium Sulfide-Promoted Thiophene-Annulations: Powerful Tools for Elaborating Organic Semiconducting Materials. <i>Chemistry of Materials</i> , 2017, 29, 256-264.	3.2	38
1420	Rational Design of High-Mobility Semicrystalline Conjugated Polymers with Tunable Charge Polarity: Beyond Benzobisthiadiazole-Based Polymers. <i>Advanced Functional Materials</i> , 2017, 27, 1604608.	7.8	74
1421	Polystyrenesulfonate Dispersed Dopamine with Unexpected Stable Semiquinone Radical and Electrochemical Behavior: A Potential Alternative to PEDOT:PSS. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 460-468.	3.2	17
1422	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
1423	A planar dithiafulvene based sensitizer forming J-aggregates on TiO ₂ photoanode to enhance the performance of dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2017, 136, 97-103.	2.0	26
1424	Heterocyclic Building Blocks for Organic Semiconductors. <i>Advances in Heterocyclic Chemistry</i> , 2017, 121, 133-171.	0.9	54
1425	Direct-Write Optical Patterning of P3HT Films Beyond the Diffraction Limit. <i>Advanced Materials</i> , 2017, 29, 1603221.	11.1	40
1426	Mechanism and Scope of Base-Controlled Catalyst-Free N-Arylation of Amines with Unactivated Fluorobenzenes. <i>Chemistry - A European Journal</i> , 2017, 23, 846-851.	1.7	40
1427	50 Years of Structure and Bonding – The Anniversary Volume. <i>Structure and Bonding</i> , 2017, , .	1.0	2
1428	Synthesis, crystal growth, structural evaluation and nonlinear optical analysis of ethyl-4-(3,4-dimethoxyphenyl)-6-methyl-2-sulfanylidene-3,4-dihydro-1H-pyrimidine-5-carboxylate. <i>Journal of Molecular Structure</i> , 2017, 1127, 212-225.	1.8	8
1429	Applying strong external electric field to thiophene-based oligomers: A promising approach to upgrade semiconducting performance. <i>Journal of Computational Chemistry</i> , 2017, 38, 304-311.	1.5	8
1430	Heterogeneous Monolithic Integration of Single-Crystal Organic Materials. <i>Advanced Materials</i> , 2017, 29, 1603285.	11.1	25
1431	Thermally induced bilayered crystals in a solution-processed polycrystalline thin film of phenylterthiophene-based monoalkyl smectic liquid crystals and their effect on FET mobility. <i>RSC Advances</i> , 2017, 7, 56586-56593.	1.7	13
1432	Mixed Stacked Charge-Transfer – Organic Materials Based on Anthracenyl Boronic Acid. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 7190-7194.	1.2	4
1433	Energy Level Alignment of Organic Molecules with Chemically Modified Alkanethiolate Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27399-27405.	1.5	4
1434	Direct Arylation Strategies in the Synthesis of –Extended Monomers for Organic Polymeric Solar Cells. <i>Molecules</i> , 2017, 22, 21.	1.7	26
1435	Recent Advances in Conjugated Polymer-Based Microwave Absorbing Materials. <i>Polymers</i> , 2017, 9, 29.	2.0	107
1436	Stereoregular Brush Polymers and Graft Copolymers by Chiral Zirconocene-Mediated Coordination Polymerization of P3HT Macromers. <i>Polymers</i> , 2017, 9, 139.	2.0	8

#	ARTICLE	IF	CITATIONS
1437	Gas Sensors Based on Polymer Field-Effect Transistors. <i>Sensors</i> , 2017, 17, 213.	2.1	74
1438	Synthesis of Two Novels-Shaped Dibenzo[c,l] Chrysene Derivatives, Crystal Structure, and the Evaluation of their Photophysical Properties. <i>Crystals</i> , 2017, 7, 251.	1.0	5
1439	Development of π -Conjugated Polymer Complexes and Their Application to Organic Electronics. <i>Kobunshi Ronbunshu</i> , 2017, 74, 410-418.	0.2	0
1440	Synthesis and optical properties of new 5'-aryl-substituted 2,5-bis(3-decyl-2,2'-bithiophen-5-yl)-1,3,4-oxadiazoles. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 313-322.	1.3	16
1441	Nondirected C H Bond Functionalizations of (Hetero)arenes. , 2017, , 49-166.		6
1442	Topographic characterization of thin film field-effect transistors of 2,6-diphenyl anthracene (DPA) by fractal and AFM analysis. <i>Materials Science in Semiconductor Processing</i> , 2018, 79, 144-152.	1.9	19
1443	Polypyrenes as High-Performance Cathode Materials for Aluminum Batteries. <i>Advanced Materials</i> , 2018, 30, e1705644.	11.1	180
1444	Oxa[7]superhelicene: A π -Extended Helical Chromophore Based on Hexa π -perihexabenzocoronenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5938-5942.	7.2	94
1445	Unforeseen 1,2-Aryl Shift in Tetraarylpyrrolo[3,2- <i>b</i>]pyrroles Triggered by Oxidative Aromatic Coupling. <i>Organic Letters</i> , 2018, 20, 1517-1520.	2.4	42
1446	Oxa[7]superhelicene: ein π -erweiterter, helikaler Chromophor auf Hexa π -perihexabenzocoronene-Basis. <i>Angewandte Chemie</i> , 2018, 130, 6044-6049.	1.6	30
1447	6,6-Diaryl-substituted biazulene diimides for solution-processable high-performance n-type organic semiconductors. <i>Materials Chemistry Frontiers</i> , 2018, 2, 975-985.	3.2	47
1448	Modification of acenes for n-channel OFET materials. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3551-3563.	2.7	103
1449	Electrical Double-Slope Nonideality in Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2018, 28, 1707221.	7.8	54
1450	$\hat{1},\hat{2}$ -Unsubstituted <i>meso</i> -positioning thienyl BODIPY: a promising electron deficient building block for the development of near infrared (NIR) p-type donor-acceptor (D-A) conjugated polymers. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4030-4040.	2.7	22
1451	Rapid detection of nutrients with electronic sensors: a review. <i>Environmental Science: Nano</i> , 2018, 5, 837-862.	2.2	41
1452	Printed Thin-Film Transistors: Research from China. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25902-25924.	4.0	65
1453	Structure engineering: extending the length of azaacene derivatives through quinone bridges. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3628-3633.	2.7	10
1454	Hydrogen-bonded azaphenacene: a strategy for the organization of π -conjugated materials. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3968-3975.	2.7	15

#	ARTICLE	IF	CITATIONS
1455	Chemical and Morphological Control of Interfacial Self-Doping for Efficient Organic Electronics. <i>Advanced Materials</i> , 2018, 30, e1705976.	11.1	55
1456	Bi-thieno[3,4]pyrrole-4,6-dione based copolymers: 1,2-Bis(2-thienyl)ethene unit vs 1,2-diphenylethene unit. <i>Organic Electronics</i> , 2018, 56, 146-151.	1.4	4
1457	Functional phenylethynylene side arm poly(arylene ethynylene) conjugated polymers: optical and electrochemical behavior for enrichment of electronic applications. <i>New Journal of Chemistry</i> , 2018, 42, 5767-5773.	1.4	2
1458	From Monodisperse Thienyl- and Furylborane Oligomers to Polymers: Modulating the Optical Properties through the Hetero Ratio. <i>Chemistry - A European Journal</i> , 2018, 24, 11961-11972.	1.7	35
1459	Synthesis, Opto-electrochemical and Theoretical Investigation of Pyrazino[2,3-b]phenazine Amines for Organic Electronics. <i>ChemistrySelect</i> , 2018, 3, 4114-4123.	0.7	11
1460	Viscosity induced emission of red-emitting NLOphoric coumarin morpholine-thiazole hybrid styryl dyes as FMRs: Consolidated experimental and theoretical approach. <i>Optical Materials</i> , 2018, 79, 90-107.	1.7	16
1461	The Evolution of Intermolecular Energy Bands of Occupied and Unoccupied Molecular States in Organic Thin Films. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12090-12097.	1.5	19
1462	Synthesis of Polyquinolines via One-Pot Polymerization of Alkyne, Aldehyde, and Aniline under Metal-Free Catalysis and Their Properties. <i>Macromolecules</i> , 2018, 51, 3254-3263.	2.2	27
1463	Bottom-Up Construction of Extended Arenes by a Palladium-Catalyzed Annulative Dimerization of <i>o</i> -Diodoaryl Compounds. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8848-8853.	7.2	71
1464	Tuning the Mesomorphism and Redox Response of Anionic-Ligand-Based Mixed-Valent Nickel(II) Complexes by Alkyl-Substituted Quaternary Ammonium Cations. <i>Chemistry - A European Journal</i> , 2018, 24, 7398-7409.	1.7	3
1465	Tunable Photoluminescence Including White-Light Emission Based on Noncovalent Interaction-Locked <i>N,N</i> -Disubstituted Dihydrodibenzo[<i>a,c</i>]phenazines. <i>Advanced Optical Materials</i> , 2018, 6, 1800074.	3.6	47
1466	Synthesis of diketopyrrolopyrrole-based polymers with polydimethylsiloxane side chains and their application in organic field-effect transistors. <i>Royal Society Open Science</i> , 2018, 5, 172025.	1.1	10
1467	Concurrent Cooperative J-Aggregates and Anticooperative H-Aggregates. <i>Journal of the American Chemical Society</i> , 2018, 140, 5764-5773.	6.6	113
1468	Angular-Shaped Naphthalene Bis(1,5-diamide-2,6-diylidene)malononitrile for High-Performance, Air-Stable <i>N</i> -Type Organic Field-Effect Transistors. <i>Organic Letters</i> , 2018, 20, 2538-2542.	2.4	16
1469	(Semi)ladder-Type Bithiophene Imide-Based All-Acceptor Semiconductors: Synthesis, Structure-Property Correlations, and Unipolar n-Type Transistor Performance. <i>Journal of the American Chemical Society</i> , 2018, 140, 6095-6108.	6.6	178
1470	A Study on Organic Thin-Film Transistors Using Hf/La Oxides With Different La Contents as Gate Dielectrics. <i>IEEE Transactions on Electron Devices</i> , 2018, 65, 1107-1112.	1.6	6
1471	Tuning the optical properties of ethynylene triptycene-based copolymers via oxidation of their alkyne groups into α,β -diketones. <i>Journal of Polymer Science Part A</i> , 2018, 56, 931-937.	2.5	13
1472	Alkoxy substituted [1]benzothieno[3,2-b][1]benzothiophene derivative with improved performance in organic thin film transistors. <i>Organic Electronics</i> , 2018, 56, 68-75.	1.4	24

#	ARTICLE	IF	CITATIONS
1473	Extension of antiaromatic norcorrole by cycloaddition. <i>Chemical Communications</i> , 2018, 54, 2510-2513.	2.2	63
1474	Controllable morphology and self-assembly of one-dimensional luminescent crystals based on alkyl-fluoro-substituted dithienophenazines. <i>CrystEngComm</i> , 2018, 20, 1669-1678.	1.3	4
1475	Synthesis of Porphyrin-Appended Poly(fluorene- <i>alt</i> -triphenylamine)s: Effect of Appending Groups on Optical and Electrochemical Properties. <i>ChemistrySelect</i> , 2018, 3, 1004-1014.	0.7	2
1476	Copolymers of Bis-Diketopyrrolopyrrole and Benzothiadiazole Derivatives for High-Performance Ambipolar Field-Effect Transistors on Flexible Substrates. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25858-25865.	4.0	27
1477	Development of fullerenes and their derivatives as semiconductors in field-effect transistors: exploring the molecular design. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3514-3537.	2.7	31
1478	Zig-Zag Acridine/Sulfone Derivative with Aggregation-Induced Emission and Enhanced Thermally Activated Delayed Fluorescence in Amorphous Phase for Highly Efficient Nondoped Blue Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2018, 6, 1701256.	3.6	60
1479	Solution-Processable Balanced Ambipolar Field-Effect Transistors Based on Carbonyl-Regulated Copolymers. <i>Chemistry - an Asian Journal</i> , 2018, 13, 846-852.	1.7	2
1480	Light-initiated reversible conversion of macrocyclic endoperoxides derived from half-sandwich rhodium-based metallarectangles. <i>Dalton Transactions</i> , 2018, 47, 2769-2777.	1.6	19
1481	Supramolecular polymer chemistry meets computational chemistry: theoretical simulations on advanced self-assembling chiral materials. <i>Supramolecular Chemistry</i> , 2018, 30, 876-890.	1.5	3
1482	Attaining Melt Processing of Complementary Semiconducting Polymer Blends at 130 °C via Side-Chain Engineering. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4904-4909.	4.0	22
1483	Quinoline-Flanked Diketopyrrolopyrrole Copolymers Breaking through Electron Mobility over 6 cm ² V ⁻¹ s ⁻¹ in Flexible Thin Film Devices. <i>Advanced Materials</i> , 2018, 30, 1704843.	11.1	97
1484	Rotator side chains trigger cooperative transition for shape and function memory effect in organic semiconductors. <i>Nature Communications</i> , 2018, 9, 278.	5.8	90
1486	Defective Metal-Organic Frameworks. <i>Advanced Materials</i> , 2018, 30, e1704501.	11.1	427
1487	Triflic acid-Mediated Expedient Synthesis of Benzo[<i>a</i>]fluorenes and Fluorescent Benzo[<i>a</i>]fluorenones. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1453-1465.	2.1	24
1488	Solution processed air-stable p-channel organic crystal field-effect transistors of Aminobenzodifuranone. <i>Dyes and Pigments</i> , 2018, 151, 173-178.	2.0	17
1489	n-Type Azaacenes Containing B-N Units. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2000-2004.	7.2	82
1490	Theoretical insights into the 1D charge transport properties in a series of hexaazatrinaphthylene-based discotic molecules. <i>Journal of Computational Chemistry</i> , 2018, 39, 773-779.	1.5	8
1491	Fluorinated Head-to-Head Dialkoxybithiophene: A New Electron-Donating Building Block for High-Performance Polymer Semiconductors. <i>Advanced Electronic Materials</i> , 2018, 4, 1700519.	2.6	16

#	ARTICLE	IF	CITATIONS
1492	Impedance spectroscopy of OLEDs as a tool for estimating mobility and the concentration of charge carriers in transport layers. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1008-1014.	2.7	44
1493	Stretchable Polymer Semiconductors for Plastic Electronics. <i>Advanced Electronic Materials</i> , 2018, 4, 1700429.	2.6	168
1494	Bromination of the benzothioxanthene Bloc: toward new π -conjugated systems for organic electronic applications. <i>Journal of Materials Chemistry C</i> , 2018, 6, 761-766.	2.7	18
1496	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
1497	Facile synthesis of pyrroloindoles via a rhodium(II)-catalyzed annulation of 3-benzylidene-indolin-2-ones and π -imino carbenes. <i>Chemical Communications</i> , 2018, 54, 1595-1598.	2.2	18
1498	Synthesis of Multisubstituted Azatriphenylenes by Iridium-Catalyzed $[2 + 2 + 2]$ Cycloaddition of Biaryl-Linked Diynes with Nitriles. <i>Journal of Organic Chemistry</i> , 2018, 83, 1852-1860.	1.7	21
1499	Design of donor-acceptor copolymers for organic photovoltaic materials: a computational study. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3581-3591.	1.3	42
1500	A Direct C-H Coupling Method for Preparing π -Conjugated Functional Polymers with High Regioregularity. <i>Macromolecules</i> , 2018, 51, 379-388.	2.2	39
1501	π -Type Azaacenes Containing N Units. <i>Angewandte Chemie</i> , 2018, 130, 2018-2022.	1.6	18
1502	Controllable Conformation Transfer of Conjugated Polymer toward High Photoelectrical Performance: The Role of Solvent in Induced-Crystallization Route. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1037-1043.	1.5	10
1503	Synthesis, characterization and aggregation-induced emission of alternating copolymers containing cyclophanes and tetraphenylethenes. <i>Polymer</i> , 2018, 137, 30-37.	1.8	10
1504	Directed Decarbonylation of Unstrained Aryl Ketones via Nickel-Catalyzed C-C Bond Cleavage. <i>Journal of the American Chemical Society</i> , 2018, 140, 586-589.	6.6	90
1505	Organocatalytic $[3 + 2]$ cycloaddition of oxindole-based azomethine ylides with 3-nitrochromenes: a facile approach to enantioenriched polycyclic spirooxindole-chromane adducts. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 807-815.	1.5	23
1506	Bottom-up Construction of π -Extended Arenes by a Palladium-Catalyzed Annulative Dimerization of α -iodobiaryl Compounds. <i>Angewandte Chemie</i> , 2018, 130, 8986-8991.	1.6	25
1507	Spacer-Extended Bis(En)yne Compounds: Scope, Limitations, and Properties. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4600-4613.	1.2	1
1508	Photo-response behavior of organic transistors based on thermally annealed semiconducting diketopyrrolopyrrole core. <i>Optical Materials</i> , 2018, 80, 120-126.	1.7	5
1509	Living Light-Induced Crystallization-Driven Self-Assembly for Rapid Preparation of Semiconducting Nanofibers. <i>Journal of the American Chemical Society</i> , 2018, 140, 6088-6094.	6.6	116
1510	Linear-type carbazodioxazine-based organic semiconductors: the effect of backbone planarity on the molecular orientation and charge transport properties. <i>RSC Advances</i> , 2018, 8, 9822-9832.	1.7	7

#	ARTICLE	IF	CITATIONS
1511	Simultaneous enhancement of charge density and molecular stacking order of polymer semiconductors by viologen dopants for high performance organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5497-5505.	2.7	23
1512	From Saddle-Shaped to Planar Cyclic Oligothienoacenes: Stepped-Cyclization and Their Applications in OFETs. <i>Organic Letters</i> , 2018, 20, 2181-2185.	2.4	18
1513	High performance organic transistors and phototransistors based on diketopyrrolopyrrole-quaterthiophene copolymer thin films fabricated via low-concentration solution processing. <i>Chinese Chemical Letters</i> , 2018, 29, 1675-1680.	4.8	25
1514	Asymmetric conjugated oligomers based on polycyclic aromatics as high mobility semiconductors: The influence of chalcogens. <i>Organic Electronics</i> , 2018, 57, 359-366.	1.4	6
1515	Ambient Degradation of Perylene Diimide-Based Organic Transistors: Hidden Role of Ozone and External Electric Field. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7067-7074.	1.5	2
1516	A new organic compound of 2-(2,2-diphenylethenyl)anthracene (DPEA) showing simultaneous electrical charge transport property and AIE optical characteristics. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3856-3860.	2.7	27
1517	Synthesis of Highly Regioregular, Head-to-Tail Coupled Poly(3-octylesterthiophene) via C-H/C-H Coupling Polycondensation. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 1019-1026.	2.0	7
1518	High-Performance Visible-Blind UV Phototransistors Based on n-Type Naphthalene Diimide Nanomaterials. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 11826-11836.	4.0	34
1519	Molecular design of benzothenobenzothiophene-cored columnar mesogens: facile synthesis, mesomorphism, and charge carrier mobility. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4471-4478.	2.7	28
1520	Growth morphologies of dihydro-tetraaza-acenes on c-plane sapphire. <i>Surface Science</i> , 2018, 678, 128-135.	0.8	6
1521	Isomeric organic semiconductors containing fused-thiophene cores: molecular packing and charge transport. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 13171-13177.	1.3	10
1522	Simultaneous Edge-on to Face-on Reorientation and 1D Alignment of Small π -Conjugated Molecules Using Room-Temperature Mechanical Rubbing. <i>Advanced Functional Materials</i> , 2018, 28, 1707038.	7.8	10
1523	A Facile Synthesis for One Novel N-Heteroacene 9, 11, 20, 22-Tetraaza-Tetrapyridopentacene and Its Mechanism Analysis. <i>Polycyclic Aromatic Compounds</i> , 2018, 38, 346-353.	1.4	1
1524	The role of halogen bonding in improving OFET performance of a naphthalenediimide derivative. <i>Chinese Chemical Letters</i> , 2018, 29, 423-428.	4.8	15
1525	Scanning Kelvin Probe Microscopy investigation of the contact resistances and charge mobility in n-type PDIF-CN2 thin-film transistors. <i>Organic Electronics</i> , 2018, 52, 206-212.	1.4	12
1526	Thiophene-Fused Naphthalene Diimides: New Building Blocks for Electron Deficient π -Functional Materials. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 121-140.	2.0	65
1527	Thin films of an axially chiral bibenzo[c]phenanthrene diol and its enantiomers: Film structure, optical property, and photoelectrochemical response. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 538, 155-163.	2.3	4
1528	A new compound between tetracene and rubrene to improve the weakness. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 131-135.	2.0	0

#	ARTICLE	IF	CITATIONS
1529	2D Organic Materials for Optoelectronic Applications. <i>Advanced Materials</i> , 2018, 30, 1702415.	11.1	266
1530	Synthesis of phenylenevinylene and naphthylenevinylene homopolymers and block copolymers by ring-opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , 2018, 56, 67-74.	2.5	10
1531	Asymmetric, efficient π -conjugated organic semiconducting chromophore for bulk-heterojunction organic photovoltaics. <i>Dyes and Pigments</i> , 2018, 149, 141-148.	2.0	14
1532	Cocrystals of naphthalene diimide with naphthalene derivatives: A facile approach to tune the luminescent properties. <i>Dyes and Pigments</i> , 2018, 149, 59-64.	2.0	25
1533	Carbonyl polymeric electrode materials for metal-ion batteries. <i>Chinese Chemical Letters</i> , 2018, 29, 232-244.	4.8	85
1534	Synthesis, crystal structure and photo physical properties of isomeric fluorinated s-shaped polyaromatic dibenzo[<i>c</i> , <i>l</i>]chrysene derivatives. <i>Journal of Molecular Structure</i> , 2018, 1152, 37-43.	1.8	3
1535	Continuous Melt-Drawing of Highly Aligned Flexible and Stretchable Semiconducting Microfibers for Organic Electronics. <i>Advanced Functional Materials</i> , 2018, 28, 1705584.	7.8	39
1536	Control of π -Stacking via Crystal Engineering in Organic Conjugated Small Molecule Crystals. <i>Crystal Growth and Design</i> , 2018, 18, 7-15.	1.4	247
1537	Organic semiconductor crystals. <i>Chemical Society Reviews</i> , 2018, 47, 422-500.	18.7	623
1538	A study of adventitious contamination layers on technically important substrates by photoemission and NEXAFS spectroscopies. <i>Vacuum</i> , 2018, 148, 48-53.	1.6	16
1539	Incorporation of 2,6-Connected Azulene Units into the Backbone of Conjugated Polymers: Towards High-Performance Organic Optoelectronic Materials. <i>Angewandte Chemie</i> , 2018, 130, 1336-1340.	1.6	40
1540	Binuclear Phthalocyanine Dimer-Containing Yttrium Double-Decker Ambipolar Semiconductor with Sensitive Response toward Oxidizing NO_2 and Reducing NH_3 . <i>ChemElectroChem</i> , 2018, 5, 605-609.	1.7	31
1541	Synthesis of Unsymmetrical Aza-Ullazines by Intramolecular Alkynyl-Carbonyl Metathesis. <i>Organic Letters</i> , 2018, 20, 122-125.	2.4	21
1542	Spectroscopic characterization of the structural properties of quinoxalinophenanthrophenazine thin films. <i>Journal of Materials Chemistry C</i> , 2018, 6, 781-789.	2.7	5
1543	Tuning of the degree of charge transfer and the electronic properties in organic binary compounds by crystal engineering: a perspective. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1884-1902.	2.7	149
1544	Excellent n-type light emitters based on AIE-active silole derivatives for efficient simplified organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3690-3698.	2.7	62
1545	Solution-processed <i>N</i> -trialkylated triindoles for organic field effect transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 50-56.	2.7	16
1546	A chrysene-based liquid crystalline semiconductor for organic thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3683-3689.	2.7	4

#	ARTICLE	IF	CITATIONS
1547	High-Mobility Regioisomeric Thieno[2,2'-bis[1]benzothiophenes: Remarkable Effect of Syn/Anti Thiophene Configuration on Optoelectronic Properties, Self-Organization, and Charge-Transport Functions in Organic Transistors. <i>Advanced Electronic Materials</i> , 2018, 4, 1700390.	2.6	18
1548	A theoretical approach for simulations of anisotropic charge carrier mobility in organic single crystal semiconductors. <i>Organic Electronics</i> , 2018, 53, 165-184.	1.4	18
1549	New fluorescent through-space conjugated polymers: synthesis, optical properties and explosive detection. <i>Polymer Chemistry</i> , 2018, 9, 558-564.	1.9	33
1550	One-Pot Synthesis of 2,3,5-Trisubstituted Thiophenes through Three-Component Assembly of Arylacetaldehydes, Elemental Sulfur, and 1,3-Dicarbonyls. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 796-800.	2.1	47
1551	Incorporation of 2,6-Connected Azulene Units into the Backbone of Conjugated Polymers: Towards High-Performance Organic Optoelectronic Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1322-1326.	7.2	160
1552	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
1553	Effect of alkyl chain and linking units on mesophase transitions and molecular order of rod-like thiophene mesogens: ¹³ C NMR investigation. <i>New Journal of Chemistry</i> , 2018, 42, 598-612.	1.4	9
1554	Effects of alkyl side chains positioning and presence of fused aromatic units in the backbone of low-bandgap diketopyrrolopyrrole copolymers on the optoelectronic properties of organic solar cells. <i>Journal of Polymer Science Part A</i> , 2018, 56, 138-146.	2.5	9
1555	Organic single-crystalline transistors based on Benzo[b]thiophen-Benzo[b]furan analogues with contorted configuration. <i>Organic Electronics</i> , 2018, 53, 57-65.	1.4	10
1556	Recent progress on organic donor-acceptor complexes as active elements in organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3485-3498.	2.7	192
1557	One-step rapid synthesis of π -conjugated large oligomers via C-H activation coupling. <i>Organic Chemistry Frontiers</i> , 2018, 5, 653-661.	2.3	39
1558	Cascade Synthesis of 3-Functionalized Indoles from Nitrones and Their Conversion to Cycloheptanone-Fused Indoles. <i>Journal of Organic Chemistry</i> , 2018, 83, 1085-1094.	1.7	25
1559	Design and Dynamic Analysis of a High-Speed Organic Light-Emitting Diode. <i>Journal of Electronic Materials</i> , 2018, 47, 1279-1284.	1.0	5
1560	Triazacoronene Derivatives with Three β -Benzopyrano Extensions: Synthesis, Structure, and Properties. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 869-873.	1.2	18
1561	High-mobility air-stable n-type field-effect transistors based on large-area solution-processed organic single-crystal arrays. <i>Nano Research</i> , 2018, 11, 882-891.	5.8	25
1562	Transient Optical-Microwave Spectroscopy for Electron Mobility Assessment in Solids and Gels: A Comprehensive Approach. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2018, 31, 91-99.	0.1	2
1563	Polymer semiconductors incorporating head-to-head linked 4-alkoxy-5-(3-alkylthiophen-2-yl)thiazole. <i>RSC Advances</i> , 2018, 8, 35724-35734.	1.7	6
1564	NIR polymers and phototransistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 13049-13058.	2.7	25

#	ARTICLE	IF	CITATIONS
1565	Establishment of an absolute quantitative method for measurement of urinary cystatin C by stable isotope dilution ultra high performance liquid chromatography tandem mass spectrometry. <i>Analytical Methods</i> , 2018, 10, 5236-5241.	1.3	3
1566	Synthesis of fluorescent conjugated polymer nanoparticles and their immobilization on a substrate for white light emission. <i>Polymer Chemistry</i> , 2018, 9, 5671-5679.	1.9	13
1567	Self-assembly of an oligo(<i>p</i> -phenylenevinylene)-based molecule on an HOPG surface: insights from multi-scale simulation and STM observation. <i>RSC Advances</i> , 2018, 8, 31868-31873.	1.7	3
1568	Advances and challenges of green materials for electronics and energy storage applications: from design to end-of-life recovery. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20546-20563.	5.2	96
1569	Ullazine-based materials: towards novel opportunities in organic electronics. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11943-11950.	2.7	15
1570	Atomistic modelling of entropy driven phase transitions between different crystal modifications in polymers: the case of poly(3-alkylthiophenes). <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28984-28989.	1.3	8
1571	Recent advances in one-dimensional halide perovskites for optoelectronic applications. <i>Nanoscale</i> , 2018, 10, 20963-20989.	2.8	44
1572	A quantitative structure–property study of reorganization energy for known p-type organic semiconductors. <i>RSC Advances</i> , 2018, 8, 40330-40337.	1.7	13
1573	<i>N</i> -Cyanoimine as an electron-withdrawing functional group for organic semiconductors: example of dihydroindacenodithiophene positional isomers. <i>Journal of Materials Chemistry C</i> , 2018, 6, 13197-13210.	2.7	14
1574	Fused Pyrrole Core: A New Class of Quadrupolar Organic Moieties as Potential Resistive Memory Elements. <i>International Journal of the Society of Materials Engineering for Resources</i> , 2018, 23, 229-233.	0.1	0
1575	Partially removing long branched alkyl side chains of regioregular conjugated backbone based diketopyrrolopyrrole polymer for improving field-effect mobility. <i>Journal of Materials Chemistry C</i> , 2018, 6, 13325-13330.	2.7	9
1576	Annelated tricyclic thiophenes and their photophysical properties. <i>Mendeleev Communications</i> , 2018, 28, 543-545.	0.6	7
1577	Organic field-effect optical waveguides. <i>Nature Communications</i> , 2018, 9, 4790.	5.8	85
1578	One-Pot Multicomponent Tandem Reactions and Polymerizations for Step-Economic Synthesis of Structure-Controlled Pyrimidine Derivatives and Poly(pyrimidine)s. <i>Macromolecules</i> , 2018, 51, 9749-9757.	2.2	27
1579	Transition-Metal-Free Sulfuration/Annulation of Alkenes: Economical Access to Thiophenes Enabled by the Cleavage of Multiple C–H Bonds. <i>Organic Letters</i> , 2018, 20, 7392-7395.	2.4	34
1580	One Step Forward: A Novel σ -Step-Conjugated π -Biphosphole. <i>CheM</i> , 2018, 4, 2485-2488.	5.8	0
1581	Preferred orientation of 2,7-dioctyl[1]benzothieno[3,2-b][1]benzothiophene molecules on inorganic single-crystal substrates with various orientations. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 08RE04.	0.8	2
1582	Conjugated Polymers Based on Thiazole Flanked Naphthalene Diimide for Unipolar n-Type Organic Field-Effect Transistors. <i>Chemistry of Materials</i> , 2018, 30, 8343-8351.	3.2	30

#	ARTICLE	IF	CITATIONS
1583	Single crystal hybrid perovskite field-effect transistors. <i>Nature Communications</i> , 2018, 9, 5354.	5.8	255
1584	Prospects of colour selective organic photodiodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 13084-13100.	2.7	39
1585	Extended π -Conjugated Structures via Dehydrative C-C Coupling. <i>Journal of the American Chemical Society</i> , 2018, 140, 17962-17967.	6.6	12
1586	Pyrenimidazolyl-Benzaldehyde Fluorophores: Synthesis, Properties, and Sensing Function for Fluoride Anions. <i>ACS Omega</i> , 2018, 3, 16387-16397.	1.6	25
1587	Direct C-H Borylation at the 2- and 2,7-Positions of Pyrene Leading to Brightly Blue- and Green-Emitting Chromophores. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2233-2238.	1.3	15
1588	Thiophene Syntheses by Ring Forming Multicomponent Reactions. <i>Topics in Current Chemistry</i> , 2018, 376, 38.	3.0	16
1589	Organic Light-Emitting Field-Effect Transistors: Device Geometries and Fabrication Techniques. <i>Advanced Materials</i> , 2018, 30, e1802466.	11.1	123
1590	Detection of Lysosome by a Fluorescent Heterocycle: Development of Fused Pyrindo-imidazo-indole Framework via Cu-Catalyzed Tandem N-Arylation. <i>Journal of Organic Chemistry</i> , 2018, 83, 13011-13018.	1.7	21
1591	High-Throughput Pressure-Dependent Density Functional Theory Investigation of Herringbone Polycyclic Aromatic Hydrocarbons: Part 2. Pressure-Dependent Electronic Properties. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23828-23844.	1.5	11
1592	Selective <i>Ortho</i> - π -Extension of Perylene Diimides for Rylene Dyes. <i>Organic Letters</i> , 2018, 20, 6117-6120.	2.4	33
1593	Synthesis and physical properties of triptycene-based oligo(<i>p</i> -phenyleneethynylene)s. <i>Tetrahedron</i> , 2018, 74, 6917-6921.	1.0	2
1594	<i>C</i> ₃ Symmetric Hexaphenyltriphenylhexamide: Molecular Design of Fluorescent Ferroelectrics. <i>ChemistrySelect</i> , 2018, 3, 10608-10614.	0.7	12
1595	Polycondensation of thiophene-flanked cyanopyridine and carbazole via direct arylation polymerization for solar cell application. <i>Reactive and Functional Polymers</i> , 2018, 133, 1-8.	2.0	7
1596	Palladium-Catalyzed Ligand-Controlled Regioselective Nucleophilic Aromatic Substitution of 1-(Chloromethyl)naphthalenes with Arylacetonitriles. <i>Journal of Organic Chemistry</i> , 2018, 83, 13981-13990.	1.7	11
1597	Unimolecular Reactions on Metal Surfaces. , 2018, , .		0
1598	Synthesis, characterization, thermal, and optical properties of conjugated copolymers derived from phenanthrene-9,10-dione- and dibenzo[f,h]quinoxaline. <i>Materials Today Chemistry</i> , 2018, 10, 213-220.	1.7	4
1599	Formation of Highly Ordered Semiconducting Anthracene Monolayer Rigidly Connected to Insulating Alkanethiolate Thin Film. <i>Journal of Physical Chemistry C</i> , 2018, 122, 26080-26087.	1.5	2
1600	Chalcogenophene-Sensitive Charge Carrier Transport Properties in A-D Type NBDO-Based Copolymers for Flexible Field-Effect Transistors. <i>Macromolecules</i> , 2018, 51, 8662-8671.	2.2	12

#	ARTICLE	IF	CITATIONS
1601	Carbene-Catalyzed Construction of Carbazoles from Enals and 2-Methyl-3-oxoacetate Indoles. <i>Journal of Organic Chemistry</i> , 2018, 83, 14210-14217.	1.7	27
1602	Doping Polycyclic Arenes with Nitrogen-Boron-Nitrogen (NBN) Units. <i>Organic Letters</i> , 2018, 20, 6741-6745.	2.4	72
1603	Preparation, Electronic and Liquid Crystalline Properties of Electron-Accepting Azaacene Derivatives. <i>ACS Omega</i> , 2018, 3, 13694-13703.	1.6	2
1604	Organic phototransistors based on perylene diimide nanocrystals lacking π - π interactions. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10597-10602.	2.7	12
1605	Exploration of Syntheses and Functions of Higher Ladder-type π -Conjugated Heteroacenes. <i>Chem</i> , 2018, 4, 2538-2570.	5.8	85
1606	Optoelectronic exploration of novel non-symmetrical star-shaped discotic liquid crystals based on cyanopyridine. <i>New Journal of Chemistry</i> , 2018, 42, 16999-17008.	1.4	6
1607	[4+1] Cycloaddition of Enaminothiones and Aldehyde α -Tosylhydrazones Toward β -Amino thiophenes. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4381-4392.	2.1	15
1608	Spatial and orientational dependence of electron transfer parameters in aggregates of iridium-containing host materials for OLEDs: coupling constrained density functional theory with molecular dynamics. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 28393-28399.	1.3	8
1609	Zooming in the Detailed Electrochemical Process of Disodium Rhodizonate. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21185-21191.	1.5	12
1610	Tailoring π -Conjugated Systems: From π - π Stacking to High-Rate-Performance Organic Cathodes. <i>Chem</i> , 2018, 4, 2600-2614.	5.8	248
1611	Making Coaxial Wires Out of Janus Dendrimers for Efficient Charge Transport. <i>ACS Macro Letters</i> , 2018, 7, 1138-1143.	2.3	14
1612	Long-lived negative molecular ions of TCNQ formed by the resonant capture of electrons with above zero energies. <i>Chemical Physics Letters</i> , 2018, 711, 81-86.	1.2	14
1613	Enhancing the Photovoltaic Performance of Nonfullerene Acceptors via Conjugated Rotatable End Groups. <i>Advanced Energy Materials</i> , 2018, 8, 1802131.	10.2	24
1614	Synthesis and characterization of efficient photosensitive and DFT studies on 2-Benzylidene-1-(5,6-diphenyl-1,2,4-triazine-3-yl)hydrazine metal complexes. <i>Optical Materials</i> , 2018, 85, 399-407.	1.7	7
1615	Annulation of β -Enaminonitriles with Alkynes via Rh ^{III} -Catalyzed C-H Activation: Direct Access to Highly Substituted 1-Naphthylamines and Naphtho[1,8-bc]pyridines. <i>Organic Letters</i> , 2018, 20, 5640-5643.	2.4	28
1616	Pyromellitic Diimide-Based Copolymers and Their Application as Stable Cathode Active Materials in Lithium and Sodium-Ion Batteries. <i>Chemistry of Materials</i> , 2018, 30, 6821-6830.	3.2	29
1617	A Thiazole-Naphthalene Diimide Based n-Channel Donor-Acceptor Conjugated Polymer. <i>Macromolecules</i> , 2018, 51, 7320-7328.	2.2	35
1618	Organic small molecules and polymers as an electrode material for rechargeable lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19885-19911.	5.2	200

#	ARTICLE	IF	CITATIONS
1619	2,7-Diethylbenzofuro[3,2-b]benzofuran: An Organic Semiconductor with Two-dimensional Transport Channels. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2228-2232.	1.3	18
1620	Annealing effect on the electrical properties of IF(CN ₂) ₂ -meta based OTFTs: Thermal behavior and modeling of charge transport. <i>Superlattices and Microstructures</i> , 2018, 123, 286-296.	1.4	1
1621	Long-Term Stable and Tunable High-Performance Photodetectors Based on Perovskite Microwires. <i>Advanced Optical Materials</i> , 2018, 6, 1800469.	3.6	19
1622	On the Electrochromic Properties of Borepins: A Computational Prediction. <i>ACS Omega</i> , 2018, 3, 9556-9563.	1.6	3
1623	Semi-transparent low-donor content organic solar cells employing cyclopentadithiophene-based conjugated molecules. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10532-10537.	2.7	14
1624	Regioregular and Regioirregular Poly(selenophene- <i>perylene diimide</i>) Acceptors for Polymer-Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32397-32403.	4.0	21
1625	Synthesis of furo[3,2-b:4,5-b']diindoles and their optical and electrochemical properties. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6543-6551.	1.5	7
1626	Synthesis of indole-fused heteroacenes by cascade cyclisation involving rhodium(<i>sc</i>)-catalysed intramolecular C-H amination. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6703-6707.	1.5	17
1627	A Nickel-Salphen Type Complex with a Heteropicene Backbone. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 606-610.	0.6	0
1628	Structure-property relationships of benzo[2,1-b:3,4-b']bis [1]benzothiophenes for organic field effect transistors. <i>Tetrahedron Letters</i> , 2018, 59, 2717-2721.	0.7	3
1629	Silver-copper co-catalyzed cascade intramolecular cyclization/desulfonamide/dehydrogenation: one-pot synthesis of substituted carbazoles. <i>Chemical Communications</i> , 2018, 54, 7143-7146.	2.2	13
1630	Synthesis of 6,6-Bis(4-arylethynylbenzoyl)-1,1-trehaloses and Their Utilization as Fluorescent Probes for Cellular Imaging. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3444-3453.	1.2	1
1631	Modification of Side Chains of Conjugated Molecules and Polymers for Charge Mobility Enhancement and Sensing Functionality. <i>Accounts of Chemical Research</i> , 2018, 51, 1422-1432.	7.6	119
1632	Incorporation of Thieno[3,2-b]pyrrole into Diketopyrrolopyrrole-Based Copolymers for Efficient Organic Field Effect Transistors. <i>ACS Macro Letters</i> , 2018, 7, 629-634.	2.3	22
1633	Effect of donor length on electronic structures and charge transport polarity for DTDPP-based A copolymers: a computational study based on a super-exchange model. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11985-11993.	5.2	19
1634	Fullerene-derivative as interlayer for high performance organic thin-film transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6052-6057.	2.7	7
1635	Hole Mobility Modulation in Single-Crystal Metal Phthalocyanines by Changing the Metal-Interactions. <i>Angewandte Chemie</i> , 2018, 130, 10269-10274.	1.6	10
1636	Metal-Stabilized Quinoidal Dibenzo[<i>g</i> , <i>p</i>]chrysene-Fused Bis-dicarbocorrole System. <i>Journal of the American Chemical Society</i> , 2018, 140, 7579-7586.	6.6	38

#	ARTICLE	IF	CITATIONS
1637	Higher Acenes by Onâ€‘Surface Dehydrogenation: From Heptacene to Undecacene. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10500-10505.	7.2	128
1638	Donorâ€‘Acceptor Supramolecular Organic Nanofibers as Visible-Light Photoelectrocatalysts for Hydrogen Production. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19764-19772.	4.0	20
1639	The Direct Arylation Polymerization (DAP) of Wellâ€‘Defined Alternating Copolymers Based On 5,6â€‘Dicyano[2,1,3]benzothiadiazole (DCBT). <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1419-1425.	1.3	8
1640	Over 7% photovoltaic efficiency of a semicrystalline donor-acceptor polymer synthesized via direct arylation polymerization. <i>Dyes and Pigments</i> , 2018, 158, 183-187.	2.0	10
1641	Driving Î€-plane to Î€-bowl through lateral coordination at room temperature. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1456-1461.	3.2	17
1642	Intrinsic charge-mobility in benzothieno[3,2- <i>b</i>][1]benzothiophene (BTBT) organic semiconductors is enhanced with long alkyl side-chains. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15970-15979.	1.3	21
1643	Solutionâ€‘Processed Highâ€‘Performance Tetrathienothiopheneâ€‘Based Small Molecular Blends for Ambipolar Charge Transport. <i>Advanced Functional Materials</i> , 2018, 28, 1801025.	7.8	28
1644	An air-stable and solution processable tetracarboxydiimide-based materials with tunable charge transport properties. <i>Dyes and Pigments</i> , 2018, 158, 157-164.	2.0	4
1645	Large Î€-Conjugated Porous Frameworks as Cathodes for Sodium-Ion Batteries. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3205-3211.	2.1	69
1646	Organic and Organometallic Fluorinated Materials for Electronics and Optoelectronics: A Survey on Recent Research. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3500-3519.	1.2	73
1647	Crystal step edges can trap electrons on the surfaces of n-type organic semiconductors. <i>Nature Communications</i> , 2018, 9, 2141.	5.8	55
1648	Endâ€‘Capping Î€-Conjugated Systems with Mediumâ€‘Sized Sulfurâ€‘Containing Rings: A Route Towards Solutionâ€‘Processable Airâ€‘Stable Semiconductors. <i>Chemistry - A European Journal</i> , 2018, 24, 11503-11510.	1.7	5
1649	Anthracene-based semiconductors for organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7416-7444.	2.7	129
1650	Freeâ€‘Standing 2D Hexagonal Aluminum Nitride Dielectric Crystals for Highâ€‘Performance Organic Fieldâ€‘Effect Transistors. <i>Advanced Materials</i> , 2018, 30, e1801891.	11.1	32
1651	Side chain engineering on a small molecular semiconductor: Balance between solubility and performance by choosing proper positions for alkyl side chains. <i>Organic Electronics</i> , 2018, 61, 56-64.	1.4	15
1652	Isindigo benzodifurandione based conjugated polymers for high performance organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7822-7829.	2.7	14
1653	Higher Acenes by Onâ€‘Surface Dehydrogenation: From Heptacene to Undecacene. <i>Angewandte Chemie</i> , 2018, 130, 10660-10665.	1.6	29
1654	Triple Acceptors in a Polymeric Architecture for Balanced Ambipolar Transistors and Highâ€‘Gain Inverters. <i>Advanced Materials</i> , 2018, 30, e1801951.	11.1	32

#	ARTICLE	IF	CITATIONS
1655	Organic 2D Optoelectronic Crystals: Charge Transport, Emerging Functions, and Their Design Perspective. <i>Advanced Materials</i> , 2018, 30, e1704759.	11.1	161
1656	Printed Electronics Based on Inorganic Semiconductors: From Processes and Materials to Devices. <i>Advanced Materials</i> , 2018, 30, e1707600.	11.1	148
1657	Synthesis and characterization of novel donor-acceptor type electrochromic polymers containing diketopyrrolopyrrole as an acceptor and propylenedioxythiophene or indacenodithiophene as a donor. <i>RSC Advances</i> , 2018, 8, 23119-23129.	1.7	14
1658	Regiospecific N-Arylation of Aliphatic Amines under Mild and Metal-Free Reaction Conditions. <i>Angewandte Chemie</i> , 2018, 130, 11597-11601.	1.6	21
1659	Regiospecific N-Arylation of Aliphatic Amines under Mild and Metal-Free Reaction Conditions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11427-11431.	7.2	60
1660	Bis(7-aza-2-oxindolin-3-ylidene)dihydropyrroloindole-dione based π -A conjugated polymers for electron and ambipolar organic thin film transistors. <i>Dyes and Pigments</i> , 2018, 159, 238-244.	2.0	3
1661	Synthesis and Field-Effect Transistor Application of π -Extended Lactam-Fused Conjugated Oligomers obtained by Tandem Direct Arylation. <i>Chemistry - A European Journal</i> , 2018, 24, 14137-14145.	1.7	10
1662	Hybrid Field-Effect Transistors and Photodetectors Based on Organic Semiconductor and CsPbI ₃ Perovskite Nanorods Bilayer Structure. <i>Nano-Micro Letters</i> , 2018, 10, 57.	14.4	53
1663	Ladder-Type Heteroarene-Based Organic Semiconductors. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2587-2600.	1.7	60
1664	An Air-Stable Organoboron Compound, Dithienooxadiborepine: Preparation and Functionalization. <i>Journal of Organic Chemistry</i> , 2018, 83, 9096-9102.	1.7	13
1665	Tuning the Photophysical and Electroluminescence Properties in Asymmetrically Tetrasubstituted Bipolar Carbazoles by Functional Group Disposition. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24013-24027.	4.0	45
1666	Organic synaptic devices for neuromorphic systems. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 314004.	1.3	89
1667	Electronic Resonances and Gap Stabilization of Higher Acenes on a Gold Surface. <i>ACS Nano</i> , 2018, 12, 8506-8511.	7.3	42
1668	Organosilicon dimer of BTBT as a perspective semiconductor material for toxic gas detection with monolayer organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9649-9659.	2.7	37
1669	Electronic Structure of Hexacene and Interface Properties on Au(110). <i>Journal of Physical Chemistry C</i> , 2018, 122, 19491-19498.	1.5	15
1670	Rapid Evaluation of Dynamic Electronic Disorder in Molecular Semiconductors. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18336-18345.	1.5	37
1671	Ligand and Solvent Effects on Hole Transport in Colloidal Quantum Dot Assemblies for Electronic Devices. <i>ACS Applied Nano Materials</i> , 2018, 1, 5217-5225.	2.4	22
1672	Interaction of a Poly(phenylene vinylene) with an Organometallic Lewis Acid Additive: Fundamentals and Application in Polymer Solar Cells. <i>Chemistry of Materials</i> , 2018, 30, 5968-5977.	3.2	3

#	ARTICLE	IF	CITATIONS
1673	Influence of dopant size and electron affinity on the electrical conductivity and thermoelectric properties of a series of conjugated polymers. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16495-16505.	5.2	112
1674	A study of the thermoelectric properties of benzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene-based donor-acceptor conjugated polymers. <i>Polymer Chemistry</i> , 2018, 9, 4440-4447.	1.9	22
1675	A new polymer field effect transistor based on fluorene derivative with fused furan rings. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46865.	1.3	1
1676	Organic Semiconductor Single Crystals for Electronics and Photonics. <i>Advanced Materials</i> , 2018, 30, e1801048.	11.1	319
1677	Organic Thin Film Transistors Incorporating Solution Processable Thieno[3,2- <i>b</i>]thiophene Thienoacenes. <i>Materials</i> , 2018, 11, 8.	1.3	15
1678	Integrating Efficient Optical Gain in High-Mobility Organic Semiconductors for Multifunctional Optoelectronic Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1802454.	7.8	50
1679	Steady-state space-charge-limited current analysis of mobility with negative electric field dependence. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	7
1680	Soluble Phenylenevinylene Polymers Containing Tetraphenylethene Units by Ring-Opening Metathesis Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800135.	1.1	7
1681	Poly(arylene vinylene) Synthesis via a Precursor Step-Growth Polymerization Route Involving the Ramberg-Bäcklund Reaction as a Key Post-Chemical Modification Step. <i>Macromolecules</i> , 2018, 51, 5852-5862.	2.2	9
1682	Theoretical Investigations on Molecular Packing Motifs and Charge Transport Properties of a Family of Trialkylsilylethynyl-Modified Pentacenes/Anthradithiophenes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 18880-18894.	1.5	15
1683	Self-Assembly Rules of Dumbbell-Shaped Molecules and Their Effect on Morphology and Photophysical Behaviors of Micro/Nanocrystals. <i>Crystal Growth and Design</i> , 2018, 18, 4822-4828.	1.4	11
1684	Hepta-thienoacenes with Internal Carbazole: Synthesis, Regioselectivities and Organic Field-Effect Transistor Applications. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2271-2278.	1.3	4
1685	Palladium-catalyzed oxidative C-H/C-H cross-coupling of imidazopyridines with azoles. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6039-6046.	1.5	44
1686	Synthesis, Spectroscopic, Intramolecular Energy Transfer and Electronic Structure Nonlinear Optical Properties of Novel Tetrahydropyrimidinone. <i>Oriental Journal of Chemistry</i> , 2018, 34, 1222-1232.	0.1	1
1687	Large photoelectric-gating effect of two-dimensional van-der-Waals organic/tungsten diselenide heterointerface. <i>Npj 2D Materials and Applications</i> , 2018, 2, .	3.9	28
1688	Rh-Catalyzed regioselective C-H activation and C-C bond formation: synthesis and photophysical studies of indazolo[2,3- <i>a</i>]quinolines. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2630-2635.	2.3	40
1689	Organic Field-Effect Transistor for Energy-Related Applications: Low-Power-Consumption Devices, Near-Infrared Phototransistors, and Organic Thermoelectric Devices. <i>Advanced Energy Materials</i> , 2018, 8, 1801003.	10.2	95
1690	Anthracene-decorated TiO ₂ thin films with the enhanced photoelectrochemical performance. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 624-630.	5.0	10

#	ARTICLE	IF	CITATIONS
1691	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
1692	Rhodium-catalyzed intramolecular cascade sequence for the formation of fused carbazole-annulated medium-sized rings by cleavage of C(sp ²)–H/C(sp ³)–H bonds. <i>Chemical Communications</i> , 2018, 54, 9147-9150.	2.2	24
1693	Toward Full Zigzag-Edged Nanographenes: <i>peri</i> -Tetracene and Its Corresponding Circumanthracene. <i>Journal of the American Chemical Society</i> , 2018, 140, 6240-6244.	6.6	98
1694	Mechanically Induced Shaping of Organic Single Crystals: Facile Fabrication of Fluorescent and Elastic Crystal Fibers. <i>Chemistry - A European Journal</i> , 2018, 24, 8507-8512.	1.7	70
1695	Unravelling the Correlation between Charge Mobility and Cocrystallization in Rod Block Copolymers for High-Performance Field-Effect Transistors. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8644-8648.	7.2	35
1696	Butterfly Molecules: How Cross-Stacking Determines Bulk Physical Properties. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12002-12014.	1.5	12
1697	Direct Photolithography on Molecular Crystals for High Performance Organic Optoelectronic Devices. <i>Journal of the American Chemical Society</i> , 2018, 140, 6984-6990.	6.6	68
1698	Unravelling the Correlation between Charge Mobility and Cocrystallization in Rod Block Copolymers for High-Performance Field-Effect Transistors. <i>Angewandte Chemie</i> , 2018, 130, 8780-8784.	1.6	4
1699	Post-polymerization modification of phosphorus containing conjugated copolymers. <i>European Polymer Journal</i> , 2018, 104, 157-163.	2.6	5
1700	Evolution of Isoindigo-Based Electron-Deficient Units for Organic Electronics: From Natural Dyes to Organic Semiconductors. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2147-2160.	1.3	22
1701	BODIPY dyads and triads: synthesis, optical, electrochemical and transistor properties. <i>Chemistry Central Journal</i> , 2018, 12, 60.	2.6	12
1702	Rhodium(III)-Catalyzed Direct Alkenylation of Benzothiophenes and Related Heterocycles with Alkynes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1330-1333.	1.3	5
1703	Hole Mobility Modulation in Single-Crystal Metal Phthalocyanines by Changing the Metal–Ligand Interactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10112-10117.	7.2	54
1704	Tutorial: Organic field-effect transistors: Materials, structure and operation. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	129
1705	Investigating the Thermal Stability of Organic Thin-Film Transistors and Phototransistors Based on [1]Benzothieno[3,2- <i>b</i>]benzothio[1]benzothiothiophene Dimeric Derivatives. <i>Chemistry - A European Journal</i> , 2018, 24, 16595-16602.	1.7	13
1706	Facile Synthesis of π -Conjugated Quinazoline-Substituted Ethenes from 2-Ethynylanilines and Benzonitriles under Transition-Metal-Free Conditions. <i>Journal of Organic Chemistry</i> , 2018, 83, 10453-10464.	1.7	10
1707	Molecular cocrystals: design, charge-transfer and optoelectronic functionality. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6009-6023.	1.3	143
1708	Pyrene-Containing Twistarene: Twelve Benzene Rings Fused in a Row. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13555-13559.	7.2	76

#	ARTICLE	IF	CITATIONS
1709	Nonlinear Polyfused Aromatics with Extended π -Conjugation from Phenanthrotriphenylene, Tetracene, and Pentacene: Syntheses, Crystal Packings, and Properties. <i>Journal of Organic Chemistry</i> , 2018, 83, 11614-11622.	1.7	15
1710	Pyrene-Containing Twistarene: Twelve Benzene Rings Fused in a Row. <i>Angewandte Chemie</i> , 2018, 130, 13743-13747.	1.6	27
1711	Thiophene-based molecular and polymeric semiconductors for organic field effect transistors and organic thin film transistors. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 17975-18010.	1.1	39
1712	Construction of an Amperometric Cholesterol Biosensor Based on DTP(aryl)aniline Conducting Polymer Bound Cholesterol Oxidase. <i>Electroanalysis</i> , 2018, 30, 2445-2453.	1.5	24
1713	Valorization of levulinic acid over non-noble metal catalysts: challenges and opportunities. <i>Green Chemistry</i> , 2018, 20, 4391-4408.	4.6	119
1714	Enhanced thermoelectric properties of two-dimensional conjugated polymers. <i>Emergent Materials</i> , 2018, 1, 67-76.	3.2	20
1715	Substitution induced carrier switching in S,N-heteroacene molecular junctions: A first principle analysis. <i>Chemical Physics Letters</i> , 2018, 708, 87-93.	1.2	12
1716	Generation of a series of B _n fused oligo-naphthalenes ($n = 1$ to 3) from a B ₁ -polycyclic aromatic hydrocarbon. <i>Chemical Communications</i> , 2018, 54, 9490-9493.	2.2	16
1717	Annulative π -extension of indoles and pyrroles with diiodobiaryls by Pd catalysis: rapid synthesis of nitrogen-containing polycyclic aromatic compounds. <i>Chemical Science</i> , 2018, 9, 7556-7561.	3.7	60
1718	Efficient blue-to-transmissive electrochromic transitions of alkylated quinoxaline-thiophene based donor-acceptor type conjugated polymers. <i>Polymer</i> , 2018, 153, 95-102.	1.8	24
1719	Synthesis and Properties of Tribenzocarbazoles via an Acid-Promoted Retro (2+2)-Cycloaddition of Azapropellanes. <i>Journal of Organic Chemistry</i> , 2018, 83, 7994-8002.	1.7	12
1720	The effect of 1D- and 2D-polymorphs on organic single-crystal optoelectronic devices: lasers and field effect transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7994-8002.	2.7	24
1721	Synthesis of 7-Bromo-1,3-diazapyrenes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4121-4127.	1.2	5
1722	Controlled ambipolar charge transport of polymer semiconductors by viologen-doping for complementary-like electronic circuits. <i>Organic Electronics</i> , 2018, 59, 224-229.	1.4	11
1723	Morphology and optoelectronic characteristics of organic field-effect transistors based on blends of polylactic acid and poly(3-hexylthiophene). <i>Polymer Journal</i> , 2018, 50, 975-987.	1.3	13
1724	Unraveling the Main Chain and Side Chain Effects on Thin Film Morphology and Charge Transport in Quinoidal Conjugated Polymers. <i>Advanced Functional Materials</i> , 2018, 28, 1801874.	7.8	53
1725	Self-Assembled Alkynyl Azoles and Benzoazoles as Colored Optical Waveguides. <i>Israel Journal of Chemistry</i> , 2018, 58, 827-836.	1.0	10
1726	Synthesis and optoelectronic property manipulation of conjugated polymer photovoltaic materials based on benzo[d]-dithieno[3,2-b;2',3'-f]azepine. <i>Polymer</i> , 2018, 147, 184-195.	1.8	3

#	ARTICLE	IF	CITATIONS
1727	Tuning the dedoping process of PEDOT:PSS films using DBU-solvent complexes. <i>Synthetic Metals</i> , 2018, 243, 25-33.	2.1	3
1728	Site-Specific Adsorption of Aromatic Molecules on a Metal/Metal Oxide Phase Boundary. <i>Nano Letters</i> , 2018, 18, 4123-4129.	4.5	7
1729	Combining Fullerenes and Zwitterions in Non-Conjugated Polymer Interlayers to Raise Solar Cell Efficiency. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9675-9678.	7.2	47
1730	Metal-Free C ^{sp} and C ^{sp3} Bond Cleavages of N,S-Enynes toward Thiophene-Fused Heterocycles. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3097-3108.	2.1	19
1731	Effects of the Substituents of Boron Atoms on Conjugated Polymers Containing B-N Units. <i>Chemistry - A European Journal</i> , 2018, 24, 13043-13048.	1.7	25
1732	Highly π -extended small molecules with bis(alkylthio)methylene side chains for organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7604-7611.	2.7	14
1733	Organic Flexible Electronics. <i>Small Methods</i> , 2018, 2, 1800070.	4.6	177
1734	Regioselective Functionalization of 2,3,6,7,10,11-Hexacyano-1,4,5,8,9,12-hexaazatriphenylene with Primary Amines. <i>Chemistry Letters</i> , 2018, 47, 1006-1009.	0.7	2
1735	Nanostructured Fused Pyrrole Thin Films: Encoding Nano "Bits" with Temporary Remanence. <i>Advanced Electronic Materials</i> , 2018, 4, 1700626.	2.6	4
1736	Combining Fullerenes and Zwitterions in Non-Conjugated Polymer Interlayers to Raise Solar Cell Efficiency. <i>Angewandte Chemie</i> , 2018, 130, 9823-9826.	1.6	6
1737	Photo-crosslinkable second-order nonlinear optical polymer: facile synthesis and enhanced NLO thermostability. <i>Polymer Chemistry</i> , 2018, 9, 3522-3527.	1.9	19
1738	D ² H-benzo[1,2,3]triazole derivatives as p-type semiconductors in organic field-effect transistors. <i>RSC Advances</i> , 2018, 8, 21879-21888.	1.7	13
1739	Embedding pyridine units in acceptors to construct donor-acceptor conjugated polymers. <i>Chinese Chemical Letters</i> , 2019, 30, 25-30.	4.8	15
1740	A versatile small molecular electron donor with 2-dimensional conjugation structure for efficient organic solar cells compatible with both fullerene and non-fullerene electron acceptors. <i>Dyes and Pigments</i> , 2019, 161, 214-220.	2.0	1
1741	Synthesis, characterization and charge storage properties of π -biindolo[2,3-b]quinoxaline for solution-processing organic transistor memory. <i>Dyes and Pigments</i> , 2019, 167, 255-261.	2.0	15
1742	Solution-processable electrochromic materials and devices: roadblocks and strategies towards large-scale applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12761-12789.	2.7	136
1743	Electronic performance of printed PEDOT:PSS lines correlated to the physical and chemical properties of coated inkjet papers. <i>RSC Advances</i> , 2019, 9, 23925-23938.	1.7	3
1744	Impact of new skeletal isomerization in polymer semiconductors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10860-10867.	2.7	8

#	ARTICLE	IF	CITATIONS
1745	Molecular design of star-shaped benzotrithiophene materials for organic electronics. <i>Tetrahedron Letters</i> , 2019, 60, 151021.	0.7	11
1746	Dynamic Motion of Twisted π -System-Induced Temperature-Dependent Dielectric Response in the Neat Liquid State. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20152-20159.	1.5	5
1747	Construction of Pyranoisoquinolines via Ru(II)-Catalyzed Unsymmetrical Double Annulation of <i>N</i> -Methoxybenzamides with Unactivated Alkynes. <i>Journal of Organic Chemistry</i> , 2019, 84, 13033-13044.	1.7	20
1748	Light-Assisted Charge Propagation in Networks of Organic Semiconductor Crystallites on Hexagonal Boron Nitride. <i>Advanced Functional Materials</i> , 2019, 29, 1903816.	7.8	6
1749	Application of metal oxide semiconductors in light-driven organic transformations. <i>Catalysis Science and Technology</i> , 2019, 9, 5186-5232.	2.1	143
1750	Selective access to either a doubly boron-doped tetrabenzopentacene or an oxadiborepin from the same precursor. <i>Chemical Science</i> , 2019, 10, 9017-9027.	3.7	50
1751	A One-Dimensional π -Conjugated Coordination Polymer for Sodium Storage with Catalytic Activity in Negishi Coupling. <i>Angewandte Chemie</i> , 2019, 131, 14873-14881.	1.6	34
1752	A One-Dimensional π -Conjugated Coordination Polymer for Sodium Storage with Catalytic Activity in Negishi Coupling. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14731-14739.	7.2	144
1753	Benzophenanthrothiophenes: Syntheses, Crystal Structures, and Properties. <i>Journal of Organic Chemistry</i> , 2019, 84, 10990-10998.	1.7	9
1754	Transition-Metal-Free Direct C-H Arylation of Thiophene in Aqueous Media via Potassium Peroxymonosulfate. <i>ChemistrySelect</i> , 2019, 4, 8516-8521.	0.7	2
1755	Progress in miRNA Detection Using Graphene Material-Based Biosensors. <i>Small</i> , 2019, 15, e1901867.	5.2	36
1756	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
1757	Dissociation of Molecular Negative Ions of Tetracyanoquinodimethane at the Ionization-Chamber Surface upon Resonance Electron Capture. <i>High Energy Chemistry</i> , 2019, 53, 58-65.	0.2	2
1758	Design of Novel Generations of Planar Sunflower Molecules: Theoretical Comparative Study of Electronic Structure and Charge Transport Characteristics. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22752-22766.	1.5	12
1759	Theoretical investigations of the substituent effect on the electronic and charge transport properties of butterfly molecules. <i>New Journal of Chemistry</i> , 2019, 43, 12440-12452.	1.4	8
1760	Trisulfide-Bond Acenes for Organic Batteries. <i>Angewandte Chemie</i> , 2019, 131, 13647-13655.	1.6	7
1761	Trisulfide-Bond Acenes for Organic Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13513-13521.	7.2	28
1762	Natural Compounds Gallic Acid Derivatives for Long-Life Li/Na Organic Batteries. <i>ChemElectroChem</i> , 2019, 6, 4765-4772.	1.7	9

#	ARTICLE	IF	CITATIONS
1763	Study of local structure at crystalline rubrene grain boundaries via scanning transmission X-ray microscopy. <i>Organic Electronics</i> , 2019, 74, 315-320.	1.4	2
1764	Cocrystal Engineering: A Collaborative Strategy toward Functional Materials. <i>Advanced Materials</i> , 2019, 31, e1902328.	11.1	245
1765	Recent progress in stretchable organic field-effect transistors. <i>Science China Technological Sciences</i> , 2019, 62, 1255-1276.	2.0	18
1766	Tailoring the Molecular Properties with Isomerism Effect of AIEgens. <i>Advanced Functional Materials</i> , 2019, 29, 1903834.	7.8	31
1767	New cyanopyridone-based unsymmetrical dyads: the effect of donor strength on their optoelectronic properties. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2052-2060.	1.6	4
1768	How π -Extension or Structural Bending Alters the Properties of Boron-Doped Phenylene-Containing Oligoacenes. <i>Organometallics</i> , 2019, 38, 2818-2823.	1.1	12
1769	A quantitative study of weak noncovalent interactions in two pyridine isomers containing nitrile and thiophene moieties: a combined X-ray and theoretical investigation. <i>Journal of Chemical Sciences</i> , 2019, 131, 1.	0.7	7
1770	Dithieno[3,2- <i>a</i> :3',2'- <i>b'</i>][5,6,11,12]chrysene diimides: a versatile electron-deficient building block for polymeric semiconductors. <i>Chemical Communications</i> , 2019, 55, 10234-10237.	2.2	10
1771	Effect of Alkyl Chain Length and Linker Atom on the Crystal Packing in 6,12-Dialkoxy- and 6,12-Dialkylsulfanyl-Benzo[1,2- <i>b</i> :4,5- <i>b'</i>] π^2 bis[<i>b</i>]benzothiophenes. <i>Crystal Growth and Design</i> , 2019, 19, 5237-5248.	1.4	1
1772	Heterocycle Effects on the Liquid Crystallinity of Terthiophene Analogues. <i>Materials</i> , 2019, 12, 2314.	1.3	6
1773	Low bias negative differential resistance with dual-peaks based on octacene molecular device. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2948-2951.	0.9	2
1774	Facile Incorporation of π -Aggregation-Induced Emission-Active Conjugated Polymer into Mesoporous Silica Hollow Nanospheres: Synthesis, Characterization, Photophysical Studies, and Application in Bioimaging. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31270-31282.	4.0	28
1775	Negishi's Reagent Versus Rosenthal's Reagent in the Formation of Zirconacyclopentadienes. <i>Chemistry - A European Journal</i> , 2019, 25, 13318-13328.	1.7	24
1776	Tuning Charge Carrier and Spin Transport Properties via Structural Modification of Polymer Semiconductors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 30089-30097.	4.0	22
1777	In Silico Exploration for Maximal Charge Transport in Organized Tetrabenzoacenes through Pitch and Roll Displacements. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26758-26768.	1.5	8
1778	Resilience to Conformational Fluctuations Controls Energetic Disorder in Conjugated Polymer Materials: Insights from Atomistic Simulations. <i>Chemistry of Materials</i> , 2019, 31, 6889-6899.	3.2	30
1779	2D Molecular Crystal Bilayer π - π Junctions: A General Route toward High-Performance and Well-Balanced Ambipolar Organic Field-Effect Transistors. <i>Small</i> , 2019, 15, e1902187.	5.2	29
1780	Reaction of antiaromatic porphyrinoid with active methylene compounds. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2924-2933.	2.3	9

#	ARTICLE	IF	CITATIONS
1781	An Asymmetric Molecular Design Strategy for Organic Field-Effect Transistors with High Consistency of Performance. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1233-1242.	2.0	1
1782	Intermolecular Followed by Intramolecular Palladium-Catalyzed Direct Arylation for the Synthesis of π -Extended Aromatic Compounds Containing One or Two Heteroelements. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4581-4588.	1.2	6
1783	Application of Palladium-Catalyzed C(sp ²)-H Bond Arylation to the Synthesis of Polycyclic (Hetero)Aromatics. <i>Chem</i> , 2019, 5, 2006-2078.	5.8	101
1784	Perylene diimide-based cathode interfacial materials: adjustable molecular structures and conformation, optimized film morphology, and much improved performance of non-fullerene polymer solar cells. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1840-1848.	3.2	28
1785	Organic Field-Effect Transistors Based on π -Fluoro-2,2',6,6'-Tetraphenyl-4,4'-Dipyranilidene. <i>Solid State Phenomena</i> , 2019, 288, 37-43.	0.3	0
1786	Cobalt-Catalyzed Oxidative Annulation of Benzothiophene- <i>b</i> -1,1-dioxide through Diastereoselective Double C-H Activation. <i>Organic Letters</i> , 2019, 21, 9806-9811.	2.4	18
1787	Benzodipyrrole-2,6-dione-3,7-diylidenedimalononitrile Derivatives for Air-Stable <i>n</i> -Type Organic Field-Effect Transistors: Critical Role of <i>N</i> -Alkyl Substituent on Device Performance. <i>Journal of Organic Chemistry</i> , 2019, 84, 14061-14068.	1.7	12
1788	Four-Fold Alkyne Benzannulation: Synthesis, Properties, and Structure of Pyreno[<i>a</i>]pyrene-Based Helicene Hybrids. <i>Organic Letters</i> , 2019, 21, 8652-8656.	2.4	32
1789	Crystal Engineering of Organic Optoelectronic Materials. <i>Chem</i> , 2019, 5, 2814-2853.	5.8	175
1790	Conducting Coronene Cation Radical Salt Containing Magnetic Metal Ions. <i>Inorganic Chemistry</i> , 2019, 58, 14068-14074.	1.9	3
1791	Strong Enhancement of π -Electron Donor/Acceptor Ability by Complementary DD/AA Hydrogen Bonding. <i>Angewandte Chemie</i> , 2019, 131, 17473-17482.	1.6	11
1792	Metal-Free Synthesis of Benzothiophenes by Twofold C-H Functionalization: Direct Access to Materials-Oriented Heteroaromatics. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15675-15679.	7.2	40
1793	Synthesis and characterization of new <i>N</i> -{4,6-bis[2-(het)arylvinyl]pyrimidin-2-yl}-substituted polycyclic aromatic imides. <i>Russian Chemical Bulletin</i> , 2019, 68, 1702-1713.	0.4	1
1794	Green-synthesized, low-cost tetracyanodiazafluorene (TCAF) as electron injection material for organic light-emitting diodes. <i>Chinese Chemical Letters</i> , 2019, 30, 1969-1973.	4.8	8
1795	Metal-Free Synthesis of Benzothiophenes by Twofold C-H Functionalization: Direct Access to Materials-Oriented Heteroaromatics. <i>Angewandte Chemie</i> , 2019, 131, 15822-15826.	1.6	10
1796	Thieno[2,3- <i>f</i>]benzofuran based donor-acceptor polymer for fullerene-free solar cells. <i>European Polymer Journal</i> , 2019, 120, 109205.	2.6	4
1797	One-pot synthesis of benzofluorene fused aromatic hydrocarbons. <i>Tetrahedron Letters</i> , 2019, 60, 151299.	0.7	3
1798	Understanding of Fluorination Dependence on Electron Mobility and Stability of Naphthalenediimide-Based Polymer Transistors in Environment with 100% Relative Humidity. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40347-40357.	4.0	26

#	ARTICLE	IF	CITATIONS
1799	Recent Efforts in Understanding and Improving the Nonideal Behaviors of Organic Field-Effect Transistors. <i>Advanced Science</i> , 2019, 6, 1900375.	5.6	45
1800	Self-assembled core-shell structured organic nanofibers fabricated by single-nozzle electrospinning for highly sensitive ammonia sensors. <i>Informa-Materially</i> , 2019, 1, 525-532.	8.5	25
1801	3D printing of conjugated polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1592-1605.	2.4	40
1802	Boron-based stepwise dioxygen activation with 1,4,2,5-diazadiborinine. <i>Chemical Science</i> , 2019, 10, 2088-2092.	3.7	23
1803	The complete chloroplast genome sequence of <i>Liparis vivipara</i> (Orchidaceae). <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 2223-2224.	0.2	2
1804	Experimental Study of Pile Installation and Cyclic Behaviour in Yellow River Silt. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 267, 062024.	0.2	0
1805	A Feasibility Study on the Waste-to-Biogas SOFC-Based Multi-Generation with Energy Storage System for Building Applications in China. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 290, 012110.	0.2	2
1806	A customization-oriented carbon footprint service for mechanical products. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 291, 012024.	0.2	1
1807	Frequent Pattern-Based Mapping at Flash Translation Layer of Solid-State Drives. <i>IEEE Access</i> , 2019, 7, 95233-95239.	2.6	3
1808	miR-155 promotes macrophage pyroptosis induced by <i>Porphyromonas gingivalis</i> through regulating the NLRP3 inflammasome. <i>Oral Diseases</i> , 2019, 25, 2030-2039.	1.5	34
1809	Modifying Reduced Graphene Oxide by Conducting Polymer Through a Hydrothermal Polymerization Method and its Application as Energy Storage Electrodes. <i>Nanoscale Research Letters</i> , 2019, 14, 226.	3.1	67
1810	Donor-acceptor (E)-2-[2-(2,2-bithiophen-5-yl)vinyl]benzo[d]thiazole: synthesis, optical, electrochemical studies and charge transport characteristics. <i>Mendeleev Communications</i> , 2019, 29, 567-569.	0.6	6
1811	Influences of Structural Modification of Naphthalenediimides with Benzothiazole on Organic Field-Effect Transistor and Non-Fullerene Perovskite Solar Cell Characteristics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44487-44500.	4.0	27
1812	Synthesis of 5,12-Diazapentacenes and Their Properties. <i>Journal of Organic Chemistry</i> , 2019, 84, 15079-15086.	1.7	4
1813	Liquid Crystal Ordering on Conjugated Polymers Film Morphology for High Performance. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 1572-1591.	2.4	22
1814	N-Arylation of Fluoroalkylamine and Trifluoroacetamide through Cu-Catalysis. <i>ChemistrySelect</i> , 2019, 4, 12124-12127.	0.7	0
1815	Quantum Interference and Substantial Property Tuning in Conjugated <i>Z</i> -ortho-Regio-Resistive Organic (ZORRO) Junctions. <i>Nano Letters</i> , 2019, 19, 8956-8963.	4.5	10
1816	Poly(2-alkyl-2-oxazoline) electrode interlayers for improved n-type organic field effect transistor performance. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	9

#	ARTICLE	IF	CITATIONS
1817	The interplay of interfaces, supramolecular assembly, and electronics in organic semiconductors. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 423001.	0.7	12
1818	Photo-/Thermal-Responsive Field-Effect Transistor upon Blending Polymeric Semiconductor with Hexaarylbiimidazole toward Photonically Programmable and Thermally Erasable Memory Device. <i>Advanced Materials</i> , 2019, 31, e1902576.	11.1	36
1819	Hooking Together Sigmoidal Monomers into Supramolecular Polymers. <i>Angewandte Chemie</i> , 2019, 131, 15935-15939.	1.6	1
1820	Strong Enhancement of π -Electron Donor/Acceptor Ability by Complementary DD/AA Hydrogen Bonding. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17312-17321.	7.2	48
1821	Organic Single-Crystalline Semiconductors for Light-Emitting Applications: Recent Advances and Developments. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900009.	4.4	41
1822	Excited-state relaxation processes of three newly synthesized multi-branched alkyl-triphenylamine end-capped triazines. <i>Chemical Physics Letters</i> , 2019, 736, 136800.	1.2	0
1823	Carbazolevinylene and phenylenevinylene polymers by ring-opening metathesis polymerization and their characterization, nanoaggregates and optical and electrochemical properties. <i>Polymer</i> , 2019, 181, 121770.	1.8	4
1824	Palladium-Catalyzed Synthesis of Benzothiophenes via Cross-Dehydrogenative Coupling of 4-Arylthiocoumarins and Pyrones. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5709-5714.	2.1	28
1825	A Catalyst-Free Cascade Reaction for the Selective Assembly of 3-Hydroxyisoindolinones on Water. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 2073-2091.	1.3	8
1826	Hooking Together Sigmoidal Monomers into Supramolecular Polymers. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15788-15792.	7.2	9
1827	A regular ternary conjugated polymer bearing π -extended diketopyrrole and isoindigo acceptor units for field-effect transistors and photothermal conversion. <i>Dyes and Pigments</i> , 2019, 164, 27-34.	2.0	10
1828	Reducing contact resistance in bottom contact organic field effect transistors for integrated electronics. <i>Journal Physics D: Applied Physics</i> , 2019, 53, 014002.	1.3	17
1829	The Renaissance of Bridged Triarylphosphines: Towards Organophosphorus Molecular Bowls. <i>Chemistry Letters</i> , 2019, 48, 1358-1367.	0.7	4
1830	Photoactive organic material discovery with combinatorial supramolecular assembly. <i>Nanoscale Advances</i> , 2019, 1, 3858-3869.	2.2	10
1831	Donor-Acceptor-Donor Type Cyclopenta[2,1-b;3,4-b ²]dithiophene Derivatives as a New Class of Hole Transporting Materials for Highly Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2019, 2, 7070-7082.	2.5	32
1832	Cu-Catalyzed Aromatic Metamorphosis of 3-Aminoindazoles. <i>Organic Letters</i> , 2019, 21, 7630-7634.	2.4	17
1833	Isothianaphthene diimide: an air-stable n-type semiconductor. <i>Science China Chemistry</i> , 2019, 62, 1360-1364.	4.2	13
1834	Synthesis of Ph ₂ P(O)-stabilized Ynamines via C(sp) ² -N Bond Formation and Their Dephosphorylative Copper-catalyzed Click Reaction. <i>Chemistry Letters</i> , 2019, 48, 1484-1487.	0.7	4

#	ARTICLE	IF	CITATIONS
1835	Flexible Ultralow-Power Sensor Interfaces for E-Skin. Proceedings of the IEEE, 2019, 107, 2084-2105.	16.4	41
1836	Repurposing DNA-binding agents as H-bonded organic semiconductors. Nature Communications, 2019, 10, 4217.	5.8	28
1837	Effect of conjugation length on the properties of fused perylene diimides with variable isoindigos. Journal of Materials Chemistry C, 2019, 7, 12263-12269.	2.7	12
1838	Chemical Doping of Well-Dispersed P3HT Thin-Film Nanowire Networks. ACS Applied Polymer Materials, 2019, 1, 2943-2950.	2.0	8
1839	Cobalt phthalocyanine polymer for optoelectronic and thermoelectric applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 18720-18728.	1.1	12
1840	Quadruply B π N-Fused Dibenzo-azaacene with High Electron Affinity and High Electron Mobility. Journal of the American Chemical Society, 2019, 141, 17015-17021.	6.6	93
1841	π -Conjugated nanostructured materials: preparation, properties and photonic applications. Nanoscale Advances, 2019, 1, 19-33.	2.2	45
1842	Defying strain in the synthesis of an electroactive bilayer helicene. Chemical Science, 2019, 10, 1029-1034.	3.7	47
1843	Charge transport modulation in pseudorotaxane 1D stacks of acene and azaacene derivatives. Chemical Science, 2019, 10, 2743-2749.	3.7	25
1844	Additive solution deposition of multi-layered semiconducting polymer films for design of sophisticated device architectures. Journal of Materials Chemistry C, 2019, 7, 953-960.	2.7	10
1845	Di- and tetramethoxy benzothienobenzothiophenes: substitution position effects on the intermolecular interactions, crystal packing and transistor properties. New Journal of Chemistry, 2019, 43, 884-892.	1.4	15
1846	Diverse sensor responses from two functionalized tris(phthalocyaninato)europium ambipolar semiconductors towards three oxidative and reductive gases. Journal of Materials Chemistry C, 2019, 7, 424-433.	2.7	15
1847	A label-free and fluorescence turn-on assay for sensitive detection of hyaluronidase based on hyaluronan-induced perylene self-assembly. New Journal of Chemistry, 2019, 43, 3383-3389.	1.4	10
1848	Charged Metal Nanoparticles for Chemo-electronic Circuits. Advanced Materials, 2019, 31, e1804864.	11.1	14
1849	Mechanochromic Wide-Spectrum Luminescence Based on a Monoboron Complex. ACS Applied Materials & Interfaces, 2019, 11, 8676-8684.	4.0	43
1850	Mesopolymer synthesis by ligand-modulated direct arylation polycondensation towards n-type and ambipolar conjugated systems. Nature Chemistry, 2019, 11, 271-277.	6.6	115
1851	Polycyclic <i>N</i> -oxides: high performing, low sensitivity energetic materials. Chemical Communications, 2019, 55, 2461-2464.	2.2	53
1852	Crystal Engineering of Biphenylene-Containing Acenes for High-Mobility Organic Semiconductors. Journal of the American Chemical Society, 2019, 141, 3589-3596.	6.6	43

#	ARTICLE	IF	CITATIONS
1853	Semi-locked Tetrathienylethene as a Building Block for Hole-Transporting Materials: Toward Efficient and Stable Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2019, 131, 3824-3829.	1.6	29
1854	Semi-locked Tetrathienylethene as a Building Block for Hole-Transporting Materials: Toward Efficient and Stable Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3784-3789.	7.2	163
1855	Synthesis, characterization and nanoaggregates of alkyl and triethylene glycol substituted 3,6-carbazolevinylenes homopolymers and block copolymers. <i>Polymer</i> , 2019, 166, 123-129.	1.8	3
1856	Significant Improvement of Unipolar n-Type Transistor Performances by Manipulating the Coplanar Backbone Conformation of Electron-Deficient Polymers via Hydrogen Bonding. <i>Journal of the American Chemical Society</i> , 2019, 141, 3566-3575.	6.6	142
1857	Direct construction of carbazoles from 2-methyl-indole-3-carbaldehydes and enals. <i>Green Chemistry</i> , 2019, 21, 968-972.	4.6	23
1858	Nonfluorophoric Triphenylamine Derived Donor-Acceptor-Donor Based Colorants: Synthesis, Spectroscopic, Density Functional Theory and Z-scan Studies. <i>Photochemistry and Photobiology</i> , 2019, 95, 931-945.	1.3	11
1859	Optically Tunable Field Effect Transistors with Conjugated Polymer Entailing Azobenzene Groups in the Side Chains. <i>Advanced Functional Materials</i> , 2019, 29, 1807176.	7.8	46
1860	Site-Selective Arylation of Naphthalenes: a Key Entry towards Extended Fluorenones and Phenanthridinones. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1835-1841.	1.2	12
1861	Doping Sumanene with Both Chalcogens and Phosphorus(V): One-Step Synthesis, Coordination, and Selective Response Toward Ag ⁺ . <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3819-3823.	7.2	40
1862	Iron III catalyzed Chemoselective Cycloaromatization Reactions for the synthesis of 5-Brominated Benzo[b]fluorenones. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1295-1300.	2.1	13
1863	Free-Amine-Directed Iridium-Catalyzed C-H Bond Activation and Cyclization of Naphthalene-1-amines with Diazo Compounds Leading to Naphtho[1,8-bc]pyridines. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1570-1575.	2.1	25
1864	New types of organic semiconductors based on diketopyrrolopyrroles and 2,1,3-benzochalcogenadiazoles: a computational study. <i>Journal of Molecular Modeling</i> , 2019, 25, 42.	0.8	9
1865	Monolayer organic field-effect transistors. <i>Science China Chemistry</i> , 2019, 62, 313-330.	4.2	54
1866	Utilising excited state organic anions for photoredox catalysis: activation of (hetero)aryl chlorides by visible light-absorbing 9-anthrolate anions. <i>Faraday Discussions</i> , 2019, 215, 364-378.	1.6	43
1867	Enantiopure versus racemic naphthalene diimide-based n-type organic semiconductors: effect on charge transport. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2659-2665.	2.7	16
1868	Theoretical study on the charge transport properties of three series of dicyanomethylene quinoidal thiophene derivatives. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3044-3058.	1.3	8
1869	Dicyanovinyl substituted push-pull chromophores: effects of central C-phenyl spacers, crystal structures and application in hydrazine sensing. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 3218-3226.	1.3	14
1870	Organic crystalline materials in flexible electronics. <i>Chemical Society Reviews</i> , 2019, 48, 1492-1530.	18.7	314

#	ARTICLE	IF	CITATIONS
1871	Synthesis of cyano-substituted carbazoles <i>via</i> successive C–C/H cleavage. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 958-965.	1.5	15
1872	Constructing a donor–acceptor linear-conjugation structure for heterologous perylene diimides to greatly improve the photovoltaic performance. <i>Journal of Materials Chemistry C</i> , 2019, 7, 835-842.	2.7	19
1873	Organic semiconductors for biological sensing. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1111-1130.	2.7	84
1874	The effect of UV light on luminescent blends. <i>Synthetic Metals</i> , 2019, 253, 94-99.	2.1	6
1875	Modulating charge transport characteristics of bis-azaisoindigo-based π -A conjugated polymers through energy level regulation and side chain optimization. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7618-7626.	2.7	23
1876	High Thermally Stable n-Type Semiconductor up to 850 K Based on Dianionic Naphthalenediimide Derivative. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15451-15457.	1.5	16
1877	Conjugated polymer crystals via topochemical polymerization. <i>Science China Chemistry</i> , 2019, 62, 1271-1274.	4.2	14
1878	Theoretical Estimation of Donor Strength of Common Conjugated Units for Organic Electronics. <i>Journal of Physical Chemistry A</i> , 2019, 123, 5566-5573.	1.1	7
1879	Isoindigo-Based Binary Polymer Blends for Solution-Processing of Semiconducting Nanofiber Networks. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1778-1786.	2.0	13
1880	Significant Difference in Semiconducting Properties of Isomeric All- π -Acceptor Polymers Synthesized via Direct Arylation Polycondensation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11893-11902.	7.2	68
1881	High Electron Mobility in [1]Benzothieno[3,2- <i>b</i>][1]benzothiophene-Based Field-Effect Transistors: Toward n-Type BTBTs. <i>Chemistry of Materials</i> , 2019, 31, 5254-5263.	3.2	55
1882	Fully Integrated Microscale Quasi-2D Crystalline Molecular Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2019, 29, 1903738.	7.8	11
1883	<i>S</i> , <i>N</i> -Heteroocenes Up to a Tridecamer. <i>Chemistry of Materials</i> , 2019, 31, 7007-7023.	3.2	19
1884	Two-in-One Device with Versatile Compatible Electrical Switching or Data Storage Functions Controlled by the Ferroelectricity of P(VDF-TrFE) via Photocrosslinking. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25358-25368.	4.0	7
1885	Photoactive Boron–Nitrogen–Carbon Hybrids: From Azo-borazines to Polymeric Materials. <i>Journal of Organic Chemistry</i> , 2019, 84, 9101-9116.	1.7	13
1886	Oligothiophene Synthesis by a General C–H Activation Mechanism: <i>Electrophilic</i> Concerted Metalation–Deprotonation (<i>e</i> CMD). <i>ACS Catalysis</i> , 2019, 9, 6821-6836.	5.5	118
1887	Conjugated copolymers bearing 2,7-di(thiophen-2-yl)phenanthrene-9,10-dione units and alteration of their emission via functionalization of the ortho-dicarbonyl groups into quinoxaline and phenazine derivatives. <i>Polymer</i> , 2019, 178, 121589.	1.8	5
1888	3-Thioaryne Intermediates for the Synthesis of Diverse Thioarenes. <i>Organic Letters</i> , 2019, 21, 5252-5258.	2.4	37

#	ARTICLE	IF	CITATIONS
1889	Polycyclic aromatic hydrocarbons in the graphene era. <i>Science China Chemistry</i> , 2019, 62, 1099-1144.	4.2	142
1890	Significant Difference in Semiconducting Properties of Isomeric All- π -Acceptor Polymers Synthesized via Direct Arylation Polycondensation. <i>Angewandte Chemie</i> , 2019, 131, 12019-12028.	1.6	7
1891	Selenium-Substituted β -Methylthiobenzo[1,2- <i>b</i> :4,5- <i>b'</i>]-dithiophenes: Synthesis, Packing Structure, and Transport Properties. <i>Chemistry of Materials</i> , 2019, 31, 6696-6705.	3.2	36
1892	Solution-processable (Pc- π -Eu)(Pc- π -Eu)[TP(OH)PP]/rGO bilayer heterojunction organic transistors with exceptional excellent ambipolar performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 12437-12446.	1.1	6
1893	Side-Chain Engineering To Optimize the Charge Transport Properties of Isoindigo-Based Random Terpolymers for High-Performance Organic Field-Effect Transistors. <i>Macromolecules</i> , 2019, 52, 4765-4775.	2.2	23
1894	Energy transfer in fluorene-containing donor/acceptor polymer system. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16892-16902.	1.1	1
1895	Polysubstituted Hexa-cata-hexabenzocoronenes: Syntheses, Characterization, and Their Potential as Semiconducting Materials in Transistor Applications. <i>Journal of Organic Chemistry</i> , 2019, 84, 8562-8570.	1.7	15
1896	Electronic Structure Characterization of Soft Semiconductors. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900439.	1.9	3
1897	Cyclization of ortho-ethynylbiaryls as an emerging versatile tool for the construction of polycyclic arenes. <i>Russian Chemical Reviews</i> , 2019, 88, 594-643.	2.5	18
1898	Dual Imide-Functionalized Unit-Based Regioregular A_1A_2 Polymers for Efficient Unipolar <i>n</i> -Channel Organic Transistors and All-Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22583-22594.	4.0	35
1899	Rh/Ag-Mediated <i>peri</i> -Selective Heteroarylation/Single Electron Transfer Annulation Cascade of 1-(Methylthio)naphthalenes and Analogues: Road Less Traveled to Benzo[<i>de</i>]thioacenes. <i>ACS Catalysis</i> , 2019, 9, 6188-6193.	5.5	32
1900	Phthalimide-Based Transparent Electron-Transport Materials with Oriented π -Amorphous Structures: Preparation from Solution-Processed Precursor Films. <i>ChemPlusChem</i> , 2019, 84, 1396-1404.	1.3	10
1901	Carbohelicenes and thiahelicene from phthalaldehydes through Perkin approach. <i>Journal of Molecular Structure</i> , 2019, 1195, 309-314.	1.8	10
1902	Unraveling the Band Gap Trend in the Narrowest Graphene Nanoribbons from the Spin-Adapted Excited-Spectra Reduced Density Matrix Method. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14619-14624.	1.5	11
1903	Rational Design of a Narrow-Bandgap Conjugated Polymer Using the Quinoidal Thieno[3,2- <i>b</i>]thiophene-Based Building Block for Organic Field-Effect Transistor Applications. <i>Macromolecules</i> , 2019, 52, 4749-4756.	2.2	41
1904	Air-Stable Benzo[<i>c</i>]thiophene Diimide <i>n</i> -Type π -Electron Core. <i>Organic Letters</i> , 2019, 21, 4448-4453.	2.4	23
1905	Organic Heterojunctions Formed by Interfacing Two Single Crystals from a Mixed Solution. <i>Journal of the American Chemical Society</i> , 2019, 141, 10007-10015.	6.6	31
1906	Preparation, Characterization, and FET Properties of 3,3',5,5'-Tetra-Phenyldiphenquinone. <i>Solid State Phenomena</i> , 2019, 288, 44-50.	0.3	0

#	ARTICLE	IF	CITATIONS
1907	Improving the Electrical Connection of n-Type Conjugated Polymers through Fluorine-Induced Robust Aggregation. <i>Chemistry of Materials</i> , 2019, 31, 4864-4872.	3.2	23
1908	Excellent Semiconductors Based on Tetracenotetracene and Pentacenopentacene: From Stable Closed-Shell to Singlet Open-Shell. <i>Journal of the American Chemical Society</i> , 2019, 141, 9373-9381.	6.6	40
1909	Synthesis and properties of a P3HT-based ABA triblock copolymer containing a perfluoropolyether central segment. <i>Synthetic Metals</i> , 2019, 252, 127-134.	2.1	9
1910	Fluorescent conjugated polymer nanoparticles and aggregates based on rapid precipitation and self-assembled π -conjugated systems. <i>Polymer</i> , 2019, 174, 45-51.	1.8	4
1911	C ⁶ H Arylation of <i>N</i> -Heteroarenes under Metal-Free Conditions and its Application towards the Synthesis of Pentabromo- and Pentachloropseudilins. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3591-3598.	1.2	6
1912	Spectroscopy and Reactivity of Dialkoxy Acenes. <i>Chemistry - A European Journal</i> , 2019, 25, 10400-10407.	1.7	11
1913	Synthesis and Characterization of Plasma-Polymer Gate Dielectric Films for Graphene Field Effect Transistor Devices. <i>Electronic Materials Letters</i> , 2019, 15, 396-401.	1.0	7
1914	A DFT Study of the Modulation of the Antiaromatic and Open-Shell Character of Dibenzo[<i>a</i> , <i>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
1915	A low-cost thiophene-based hole transport material for efficient and stable perovskite solar cells. <i>Organic Electronics</i> , 2019, 71, 194-198.	1.4	10
1916	Theoretical design of high-mobility bithiophene imide (BTI) derivative polymeric semiconductors. <i>Computational Materials Science</i> , 2019, 166, 162-169.	1.4	2
1917	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
1918	Dicyano-substituted 2,3-naphthalimide: Synthesis and optoelectronic properties. <i>Dyes and Pigments</i> , 2019, 170, 107564.	2.0	4
1919	Synthesis and Properties of Acridone Oligomers. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3217-3223.	1.2	11
1920	Synergistic Use of Bithiazole and Pyridinyl Substitution for Effective Electron Transport Polymer Materials. <i>Chemistry of Materials</i> , 2019, 31, 3957-3966.	3.2	26
1921	Packing Rearrangements in 4-Hydroxycyanobenzene Under Pressure. <i>Molecules</i> , 2019, 24, 1759.	1.7	8
1922	Tuning the Optical Properties of Sulfonylaniline Derivatives: Degeneracy Breaking of Benzene Orbitals and Linkage through Nodal Planes. <i>ChemPhysChem</i> , 2019, 20, 1581-1589.	1.0	4
1923	Solution-Processable Conductive Organics via Anion-Induced n-Doping and Their Applications in Organic and Perovskite Solar Cells. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900084.	1.1	15
1924	A General Carbazole Synthesis via Stitching of Indole- α -Ynones with Nitromethanes: Application to Total Synthesis of Carbazomycin A, Calothrixin B, and Staurosporinone. <i>Organic Letters</i> , 2019, 21, 3372-3376.	2.4	46

#	ARTICLE	IF	CITATIONS
1925	Charge transport and transfer phenomena involving conjugated acenes and heteroacenes. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	0.8	3
1926	Fabrication of BixPdy bimetallic materials characterized by catalytic activity at low temperature: Nitro reduction and Suzuki-Miyaura coupling reactions under green conditions. <i>Current Applied Physics</i> , 2019, 19, 762-767.	1.1	2
1927	Diversity of electron acceptor groups in donor-acceptor type electrochromic conjugated polymers. <i>Solar Energy Materials and Solar Cells</i> , 2019, 197, 32-75.	3.0	80
1928	Gold-carbene assisted formation of tetraarylmethane derivatives: double C-H activation by gold. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4856-4864.	1.5	14
1929	D-A-D coumarin hybrids derived from arylamine donors: DFT and Z-scan studies. <i>Optical Materials</i> , 2019, 92, 100-110.	1.7	9
1930	n-Type Organic Field-Effect Transistors Based on Bisthienoisatin Derivatives. <i>ACS Applied Electronic Materials</i> , 2019, 1, 764-771.	2.0	8
1931	A theoretical study on a series of polycyclic conjugated hydrocarbons in naphthobenzodicyclobutadienes with tunable charge transport properties by controlling [N]phenylenes and (anti)aromaticity. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6721-6727.	2.7	4
1933	B ₂ N ₂ -Embedded Polycyclic Aromatic Hydrocarbons with Furan and Thiophene Derivatives Functionalized in Crossed Directions. <i>Chemistry - A European Journal</i> , 2019, 25, 9326-9338.	1.7	15
1934	Investigation on two triphenylene based electron transport materials. <i>Science China Chemistry</i> , 2019, 62, 775-783.	4.2	5
1935	Base-Promoted SNAr Reactions of Fluoro- and Chloroarenes as a Route to N-Aryl Indoles and Carbazoles. <i>Molecules</i> , 2019, 24, 1145.	1.7	17
1936	Phenanthrene derivatives combined charge transport properties and strong solid-state emission. <i>Science China Chemistry</i> , 2019, 62, 916-920.	4.2	5
1937	Transition-metal-catalyzed methods for synthesis of fluorenes. <i>Tetrahedron</i> , 2019, 75, 2981-2992.	1.0	15
1938	Elastic organic crystals of π -conjugated molecules: anisotropic densely packed supramolecular 3D polymers exhibit mechanical flexibility and shape tunability. <i>Polymer Journal</i> , 2019, 51, 813-823.	1.3	27
1939	Indole-Fused Acridone: Synthesis, Structures, Proton Transfer, and Hole-Transport Properties. <i>Journal of Organic Chemistry</i> , 2019, 84, 3832-3842.	1.7	16
1940	Access to Multifunctional AEEgens via Ru(II)-Catalyzed Quinoxaline-Directed Oxidative Annulation. <i>ACS Omega</i> , 2019, 4, 5565-5577.	1.6	24
1941	Self-assembly of a two-dimensional molecular layer in a nonhomogeneous electric field: Kinetic Monte Carlo simulations. <i>Physical Review E</i> , 2019, 99, 032110.	0.8	4
1942	Transforming Ionene Polymers into Efficient Cathode Interlayers with Pendent Fullerenes. <i>Angewandte Chemie</i> , 2019, 131, 5733-5737.	1.6	4
1943	Synthesis, characterization and photo physical properties of two novel n-type semiconductor materials with trifluoromethyl and cyano groups. <i>Journal of Molecular Structure</i> , 2019, 1185, 403-409.	1.8	3

#	ARTICLE	IF	CITATIONS
1944	Knowledge discovery through chemical space networks: the case of organic electronics. <i>Journal of Molecular Modeling</i> , 2019, 25, 87.	0.8	14
1945	Synthesis of [1]Benzothieno[3,2- <i>b</i>]thiophene Derivatives via Successive Iodocyclization/Photocyclization of Alkynes. <i>Journal of Organic Chemistry</i> , 2019, 84, 4191-4199.	1.7	25
1946	Impact of structural anisotropy on electro-mechanical response in crystalline organic semiconductors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4382-4391.	2.7	10
1947	A Novel Hybrid Layered Organic Phototransistor Enables Efficient Intermolecular Charge Transfer and Carrier Transport for Ultrasensitive Photodetection. <i>Advanced Materials</i> , 2019, 31, e1900763.	11.1	89
1948	Direct C ² -Heteroarylation of Indoles by Rhodium-Catalyzed C ² -C Bond Cleavage of Secondary Alcohols. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 466-469.	1.3	8
1949	Optoelectronic properties of benzotrithiophene isomers: A density functional theory study. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 891-898.	0.8	11
1950	Two-Dimensional Electronic Transport in Rubrene: The Impact of Inter-Chain Coupling. <i>Entropy</i> , 2019, 21, 233.	1.1	2
1951	New Strategy to Prepare Luminescent Blend by Spin Coating. <i>Macromolecular Symposia</i> , 2019, 383, 1800023.	0.4	10
1952	Conjugated polymer single crystals and nanowires. <i>Polymer Crystallization</i> , 2019, 2, e10064.	0.5	19
1953	New approach to unsymmetrical 1,3-diazatriphenylenes through intramolecular oxidative cyclodehydrogenation. <i>Tetrahedron</i> , 2019, 75, 2687-2696.	1.0	7
1954	Copper-catalyzed C ⁴ -H/N ⁴ -H cross-coupling reactions for the synthesis of 3-heteroaryl quinoxalin-2(1 <i>H</i>)-ones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 3333-3337.	1.5	38
1955	Transforming Ionene Polymers into Efficient Cathode Interlayers with Pendent Fullerenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5677-5681.	7.2	30
1956	Structurally Constrained Boron-, Nitrogen-, Silicon-, and Phosphorus-Centered Polycyclic π -Conjugated Systems. <i>Chemical Reviews</i> , 2019, 119, 8291-8331.	23.0	446
1957	Impact of linker positions for thieno[3,2- <i>b</i>]thiophene in wide band gap benzo[1,2- <i>b</i> :4,5- <i>b'</i>]dithiophene-based photovoltaic polymers. <i>Journal of Materials Research</i> , 2019, 34, 2057-2066.	1.2	2
1958	The Critical Role of Electron-Donating Thiophene Groups on the Mechanical and Thermal Properties of Donor-Acceptor Semiconducting Polymers. <i>Advanced Electronic Materials</i> , 2019, 5, 1800899.	2.6	89
1959	Construction of new heteroacenes based on benzo[<i>b</i>]thieno[2,3- <i>d</i>]thiophene / quinoline or 1,8-naphthyridine systems using the Friedländer reaction. <i>Tetrahedron Letters</i> , 2019, 60, 1135-1138.	0.7	11
1960	Modular Synthesis of Unsymmetrical Doubly-ring-fused Benzene Derivatives Based on a Sequential Ring Construction Strategy Using Oxadiazinones as a Platform Molecule. <i>Chemistry Letters</i> , 2019, 48, 582-585.	0.7	22
1961	Recent Development in Palladium-Catalyzed Domino Reactions: Access to Materials and Biologically Important Carbo- and Heterocycles. <i>Organometallics</i> , 2019, 38, 1828-1867.	1.1	50

#	ARTICLE	IF	CITATIONS
1962	Highly Ordered Semiconducting Polymer Arrays for Sensitive Photodetectors. ACS Applied Materials & Interfaces, 2019, 11, 15829-15836.	4.0	15
1963	Organic transistors on paper: a brief review. Journal of Materials Chemistry C, 2019, 7, 5522-5533.	2.7	90
1964	Brønsted Acid Mediated Synthesis and Properties of Dibenzoacridine Derivatives. Advanced Synthesis and Catalysis, 2019, 361, 2981-2991.	2.1	20
1965	Isomeric Pyrenodithiophenediones and Their Derivatives: Synthesis, Reactivity, and Device Performance. Journal of Organic Chemistry, 2019, 84, 5936-5942.	1.7	4
1966	Sequential C-H Borylation and N-Demethylation of 1,1'-Biphenylamines: Alternative Route to Polycyclic BN-Heteroarenes. Angewandte Chemie - International Edition, 2019, 58, 7361-7365.	7.2	17
1967	A multifunctional molecular spintronic platform with magnetoresistive and memristive responses via a self-assembled monolayer. Journal of Applied Physics, 2019, 125, .	1.1	8
1968	Unconventional Nanofabrication for Supramolecular Electronics. Advanced Materials, 2019, 31, e1900599.	11.1	42
1969	Which isomer is better for charge transport: <i>anti</i>- or <i>syn</i>?. Journal of Materials Chemistry C, 2019, 7, 5858-5873.	2.7	11
1970	A case study of tuning the crystal polymorphs of organic semiconductors towards simultaneously improved light emission and field-effect properties. Journal of Materials Chemistry C, 2019, 7, 5925-5930.	2.7	22
1971	Emerging efficient charge-transport landscape based on short-range order in conjugated polymers. Synthetic Metals, 2019, 251, 104-119.	2.1	16
1972	Sequential C-H Borylation and N-Demethylation of 1,1'-Biphenylamines: Alternative Route to Polycyclic BN-Heteroarenes. Angewandte Chemie, 2019, 131, 7439-7443.	1.6	2
1973	Electrical tunability of molecular plasmons in acenes. Chemical Physics Letters, 2019, 721, 38-42.	1.2	4
1974	Phytol-Derived Alkyl Side Chains for π -Conjugated Semiconducting Polymers. Chemistry of Materials, 2019, 31, 2097-2105.	3.2	8
1975	Pd(II) supramolecular cage-catalyzed successive oxidative coupling: One-pot and regioselective synthesis of functionalized carbazoles from indoles. Catalysis Communications, 2019, 124, 12-18.	1.6	1
1976	2D Organic Hybrid Heterostructures for Optoelectronic Applications. Advanced Materials, 2019, 31, e1803831.	11.1	86
1977	Hexyl substitution of pentathienoacene toward a significant improvement in charge transport. Chinese Chemical Letters, 2019, 30, 903-905.	4.8	4
1978	Halogen and chalcogen-bonding interactions in sulphur-rich π -electron acceptors. CrystEngComm, 2019, 21, 1934-1939.	1.3	6
1979	Influence of Backbone Chlorination on the Electronic Properties of Diketopyrrolopyrrole (DPP)-Based Dimers. Chemistry - an Asian Journal, 2019, 14, 1050-1058.	1.7	9

#	ARTICLE	IF	CITATIONS
1980	Doping Sumanene with Both Chalcogens and Phosphorus(V): One-Step Synthesis, Coordination, and Selective Response Toward Ag I. <i>Angewandte Chemie</i> , 2019, 131, 3859-3863.	1.6	7
1981	Enhanced photoelectrical response of thermodynamically epitaxial organic crystals at the two-dimensional limit. <i>Nature Communications</i> , 2019, 10, 756.	5.8	71
1982	p- and n-Channel Photothermoelectric Conversion Based on Ultralong Near-Infrared Wavelengths Absorbing Polymers. <i>ACS Applied Polymer Materials</i> , 2019, 1, 542-551.	2.0	14
1983	Five-ring-fused asymmetric thienoacenes for high mobility organic thin-film transistors: the influence of the position of the S atom in the terminal thiophene ring. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3656-3664.	2.7	29
1984	A diketopyrrolopyrrole-based macrocyclic conjugated molecule for organic electronics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3802-3810.	2.7	21
1985	Vertical Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2019, 29, 1808453.	7.8	64
1986	A disk-type polyarene containing four B π N units. <i>Chemical Communications</i> , 2019, 55, 3638-3641.	2.2	17
1987	A Freely Soluble, High Electron Affinity Molecular Dopant for Solution Processing of Organic Semiconductors. <i>Chemistry of Materials</i> , 2019, 31, 1500-1506.	3.2	33
1988	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
1989	Three-Component Cascade Synthesis of Carbazoles through [1s,6s] Sigmatropic Shift under Metal-Free Conditions. <i>Journal of Organic Chemistry</i> , 2019, 84, 3121-3131.	1.7	21
1990	Planar graphene-C60-graphene heterostructures for sensitive UV-Visible photodetection. <i>Carbon</i> , 2019, 146, 486-490.	5.4	30
1991	Bilayer-type Layered Herringbone Packing in 3-n-Octyl-9-phenyl-benzothieno[3,2-b]naphtho[2,3-b]thiophene. <i>Chemistry Letters</i> , 2019, 48, 453-456.	0.7	19
1992	Direct access to substituted benzo[<i>a</i>]carbazoles through cascade annulation of 2-vinylbenzaldehydes with indoles. <i>Chemical Communications</i> , 2019, 55, 3339-3342.	2.2	11
1993	Effect of thermodynamic glass transition on charge transport properties in a benzodithieno-imidazole π -conjugated polymer: fullerene blend. <i>Materials Research Express</i> , 2019, 6, 115114.	0.8	4
1994	Influence of P3HT preaggregation process on performance of the P3HT:C60-PCBM solar cells. <i>Molecular Crystals and Liquid Crystals</i> , 2019, 693, 82-96.	0.4	2
1995	Synthesis of indacenodithienothiophene-based conjugated polymers containing electron-donating/accepting comonomers and their phototransistor characteristics. <i>Polymer Chemistry</i> , 2019, 10, 6324-6333.	1.9	14
1996	Access to polyfunctionalized carbazoles through π -extension of 2-methyl-3-oxoacetate indoles. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3741-3745.	2.3	9
1997	Synthesis of aryl-substituted thieno[3,2-b]thiophene derivatives and their use for N,S-heterotetracene construction. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2678-2683.	1.3	5

#	ARTICLE	IF	CITATIONS
1999	Extremely twisted and bent pyrene-fused N-heterocyclic germylenes. <i>Chemical Communications</i> , 2019, 55, 14954-14957.	2.2	5
2000	Computational study of aromaticity, ¹ H NMR spectra and intermolecular interactions of twisted thia-norhexaphyrin and its multiply annulated polypyrrolic derivatives. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25334-25343.	1.3	5
2001	Concise synthesis of 3-alkylthieno[3,2- <i>b</i>]thiophenes; building blocks for organic electronic and optoelectronic materials. <i>RSC Advances</i> , 2019, 9, 38407-38413.	1.7	13
2002	One-pot syntheses of irida-polycyclic aromatic hydrocarbons. <i>Chemical Science</i> , 2019, 10, 10894-10899.	3.7	20
2003	Diketopyrrolopyrrole tailoring charge transport characteristics of naphthalene diimide based polymers: From unipolar <i>n</i> -type to ambipolar polymers. <i>Journal of Applied Polymer Science</i> , 2019, 136, 46926.	1.3	5
2004	3-Cyano thiophene-based π -conjugated mesogens: XRD and ¹³ C NMR investigations. <i>Liquid Crystals</i> , 2019, 46, 680-693.	0.9	7
2005	Organic Cocrystals: New Strategy for Molecular Collaborative Innovation. <i>Topics in Current Chemistry Collections</i> , 2019, , 229-262.	0.2	0
2006	Intrachain Charge Transport through Conjugated Donor-Acceptor Oligomers. <i>ACS Applied Electronic Materials</i> , 2019, 1, 7-12.	2.0	25
2007	Design of a Quinoidal Thieno[3,4- <i>b</i>]thiophene-Diketopyrrolopyrrole-Based Small Molecule as <i>n</i> -type Semiconductor. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1717-1722.	1.7	9
2008	Charge Carrier Polarity Modulation in Diketopyrrolopyrrole-Based Low Band Gap Semiconductors by Terminal Functionalization. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1088-1095.	4.0	19
2009	Synthesis and characterization of heterocyclic conjugated polymers containing planar benzo[<i>c</i>]cinnoline and tetraazapyrene structures for organic field-effect transistor application. <i>Organic Electronics</i> , 2019, 66, 136-147.	1.4	5
2010	Dithienobenzothiadiazole-Based Donor-Acceptor Polymer: Synthesis and Characterization for Organic Field-Effect Transistor. <i>Macromolecular Research</i> , 2019, 27, 227-231.	1.0	10
2011	Nitrogen-embedded small-molecule semiconducting materials: Effect of chlorine atoms on their electrochemical, self-assembly, and carrier transport properties. <i>Dyes and Pigments</i> , 2019, 163, 615-622.	2.0	2
2012	Single-Crystal Poly[4-(4,4-dihexadecyl-4H-cyclopenta[1,2- <i>b</i> :5,4- <i>b'</i>]dithiophen-2-yl)- <i>n</i> -[1,2,5]thiadiazolo[3,4- <i>c</i>]pyridine] Nanowires with Ultrahigh Mobility. <i>Nano Letters</i> , 2019, 19, 1028-1032.		34
2013	Band-like transport in small-molecule thin films toward high mobility and ultrahigh detectivity phototransistor arrays. <i>Nature Communications</i> , 2019, 10, 12.	5.8	172
2014	Germanium Fluoride Nanocages as Optically Transparent <i>n</i> -Type Materials and Their Endohedral Metallofullerene Derivatives. <i>Journal of the American Chemical Society</i> , 2019, 141, 1672-1684.	6.6	10
2015	The role of calcite and silica interfaces on the aggregation and transport of asphaltenes in confinement. <i>Journal of Molecular Liquids</i> , 2019, 274, 792-800.	2.3	40
2016	The Role of Weak Molecular Dopants in Enhancing the Performance of Solution-Processed Organic Field-Effect Transistors. <i>Advanced Electronic Materials</i> , 2019, 5, 1800547.	2.6	32

#	ARTICLE	IF	CITATIONS
2017	Impact of alkyl chain branching positions on molecular packing and electron transport of dimeric perylenediimide derivatives. <i>Journal of Energy Chemistry</i> , 2019, 35, 138-143.	7.1	18
2018	Investigation of hydrogen-bonding mediated molecular packing of diketopyrrolopyrrole based donor-acceptor oligomers in the solid state. <i>Polymer</i> , 2019, 160, 238-245.	1.8	16
2019	Acenaphthylene-imide based small molecules/TiO ₂ bilayer as electron-transporting layer for solution-processing efficient perovskite solar cells. <i>Science China Materials</i> , 2019, 62, 497-507.	3.5	17
2020	Fine-tuning Aromatic Stacking and Single-Crystal Photoluminescence Through Coordination Chemistry. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1778-1783.	1.2	4
2021	Environmental effects on the charge transfer properties of Graphene quantum dot based interfaces. <i>International Journal of Quantum Chemistry</i> , 2019, 119, e25882.	1.0	8
2022	Photochemistry of various acene based molecules. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2019, 38, 27-46.	5.6	47
2023	Azaindolo[3,2,1 <i>bc</i>]carbazoles: New Building Blocks for Functional Organic Materials. <i>Chemistry - A European Journal</i> , 2019, 25, 4412-4425.	1.7	14
2024	Synthesis, characterization, aggregation-induced emission and nanoaggregates of the copolymers containing different ratios of carbazoles and tetraphenylethylenes. <i>European Polymer Journal</i> , 2019, 112, 283-290.	2.6	3
2025	Ambipolar Conjugated Polymers with Ultrahigh Balanced Hole and Electron Mobility for Printed Organic Complementary Logic via a Two-Step C ₆₀ H Activation Strategy. <i>Advanced Materials</i> , 2019, 31, e1806010.	11.1	63
2026	A new asymmetric anthracene derivative with high mobility. <i>Science China Chemistry</i> , 2019, 62, 251-255.	4.2	12
2027	Finding the Right Bricks for Molecular Legos: A Data Mining Approach to Organic Semiconductor Design. <i>Chemistry of Materials</i> , 2019, 31, 969-978.	3.2	38
2028	Copper-Catalyzed Radical C-C Bond Cleavage and [4+1] Annulation Cascade of Cycloketone Oxime Esters with Enaminothiones. <i>Journal of Organic Chemistry</i> , 2019, 84, 2178-2190.	1.7	38
2029	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
2030	Solution-Processed 2D Molecular Crystals: Fabrication Techniques, Transistor Applications, and Physics. <i>Advanced Materials Technologies</i> , 2019, 4, 1800182.	3.0	53
2031	Crystalline Conjugated Polymers for Organic Solar Cells: From Donor, Acceptor to Single-Component. <i>Chemical Record</i> , 2019, 19, 962-972.	2.9	36
2032	Electrochemical Glucose Biosensors: Whole Cell Microbial and Enzymatic Determination Based on 10-(4H-Dithieno[3,2-b:2',3'-d]Pyrrol-4-yl)Decan-1-Amine Interfaced Glassy Carbon Electrodes. <i>Analytical Letters</i> , 2019, 52, 1138-1152.	1.0	15
2033	Polycyclic Arene Synthesis by Annulative π -Extension. <i>Journal of the American Chemical Society</i> , 2019, 141, 3-10.	6.6	185
2034	Homochiral Asymmetric-Shaped Electron-Transporting Materials for Efficient Non-Fullerene Perovskite Solar Cells. <i>ChemSusChem</i> , 2019, 12, 224-230.	3.6	32

#	ARTICLE	IF	CITATIONS
2035	Effect of photo-oxidation on the emissive properties of truxene. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 369, 195-201.	2.0	6
2036	Imide-Functionalized Polymer Semiconductors. <i>Chemistry - A European Journal</i> , 2019, 25, 87-105.	1.7	63
2037	Dibenzoquinquethiophene- and Dibenzosexithiophene-Based Hole-Transporting Materials for Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2019, 31, 6435-6442.	3.2	46
2038	Synthesis of Tetracoordinate Boron-Fused Benzoaceanthrylene Analogs via Tandem Electrophilic C-H Borylation. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1657-1661.	1.7	9
2039	Tuning the Crystal Packing and Semiconductor Electronic Properties of 7,7-Diaza-indigo by Side-Chain Length and Halogenation. <i>Journal of Physical Chemistry C</i> , 2019, 123, 153-164.	1.5	5
2040	Solid-State Order and Charge Mobility in [5]- to [12]Cycloparaphenylenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 952-960.	6.6	54
2041	Trichalcogenasumanenes containing various chalcogen atoms: synthesis, structure, properties, and chemical reactivity. <i>Organic Chemistry Frontiers</i> , 2019, 6, 263-272.	2.3	26
2042	Technological innovation. , 2019, , 17-53.		0
2043	Construction of efficient bioelectrochemical devices: Improved electricity production from cyanobacteria (<i>Leptolyngbia</i> sp.) based on π -conjugated conducting polymer/gold nanoparticle-composite interfaces. <i>Biotechnology and Bioengineering</i> , 2019, 116, 757-768.	1.7	17
2044	A Practical General Method for the Preparation of Long Acenes. <i>Chemistry - A European Journal</i> , 2019, 25, 2366-2374.	1.7	29
2045	A solution-processed small molecule with optimal side chains for high efficiency non-fullerene organic solar cells. <i>Dyes and Pigments</i> , 2019, 161, 283-287.	2.0	9
2046	Evaluating the biological properties of synthetic 4-nitrophenyl functionalized benzofuran derivatives with telomeric DNA binding and antiproliferative activities. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 77-88.	3.6	44
2047	Computational simulation of palm kernel oil-based esters nano-emulsions aggregation as a potential parenteral drug delivery system. <i>Arabian Journal of Chemistry</i> , 2019, 12, 2372-2383.	2.3	13
2048	Das Aufkommen der organischen Einkristallelektronik. <i>Angewandte Chemie</i> , 2020, 132, 1424-1445.	1.6	14
2049	The Emergence of Organic Single-Crystal Electronics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1408-1428.	7.2	153
2050	An insight into the effect of S,S-dioxided thiophene on the opto-physical/electro-chemical properties and light stability for indophenine derivatives. <i>Dyes and Pigments</i> , 2020, 173, 107891.	2.0	9
2051	Recent Advances in the Bias Stress Stability of Organic Transistors. <i>Advanced Functional Materials</i> , 2020, 30, 1904590.	7.8	59
2052	Recent Progress in Organic Phototransistors: Semiconductor Materials, Device Structures and Optoelectronic Applications. <i>ChemPhotoChem</i> , 2020, 4, 9-38.	1.5	53

#	ARTICLE	IF	CITATIONS
2053	A high throughput molecular screening for organic electronics via machine learning: present status and perspective. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SD0801.	0.8	43
2054	Investigation of newly designed asymmetric chromophore in view of power conversion efficiency improvements for organic solar cells. <i>Materials Letters</i> , 2020, 260, 126865.	1.3	8
2055	Integration of multiple climate models to predict range shifts and identify management priorities of the endangered <i>Taxus wallichiana</i> in the Himalayaâ€“Hengduan Mountain region. <i>Journal of Forestry Research</i> , 2020, 31, 2255-2272.	1.7	7
2056	Symmetric Mixed Sulfurâ€“Selenium Fused Ring Systems as Potential Materials for Organic Fieldâ€“Effect Transistors. <i>Chemistry - A European Journal</i> , 2020, 26, 2869-2882.	1.7	10
2057	Dramatically improved electron transport performance by a deep triangular potential well in organic field-effect transistors. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 01LT01.	1.3	2
2058	A liquid-crystalline semiconducting polymer based on thienyleneâ€“vinyleneâ€“thienylene: Enhanced hole mobilities by mesomorphic molecular ordering and thermoplastic shape-deformable characteristics. <i>Polymer Journal</i> , 2020, 52, 313-321.	1.3	7
2059	Enhancement in the mobility of solution processable polymer based FET by incorporating graphene interlayer. <i>Superlattices and Microstructures</i> , 2020, 137, 106331.	1.4	8
2060	Organic Lightâ€“Emitting Transistors: Advances and Perspectives. <i>Advanced Functional Materials</i> , 2020, 30, 1905282.	7.8	61
2061	Intrinsically stretchable conjugated polymer semiconductors in field effect transistors. <i>Progress in Polymer Science</i> , 2020, 100, 101181.	11.8	146
2062	Transitionâ€“Metalâ€“Free Threeâ€“Component Synthesis of Tertiary Aryl Amines from Nitro Compounds, Boronic Acids, and Trialkyl Phosphites. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 111-117.	2.1	13
2063	A Novel Carbazoleâ€“Based Nonfullerene Acceptor for Highâ€“Efficiency Polymer Solar Cells. <i>Solar Rrl</i> , 2020, 4, 1900417.	3.1	17
2064	Nanoscale Organic Thermoelectric Materials: Measurement, Theoretical Models, and Optimization Strategies. <i>Advanced Functional Materials</i> , 2020, 30, 1903873.	7.8	97
2065	Enhanced Gas Sensing Performance of Organic Fieldâ€“Effect Transistors by Modulating the Dimensions of Triethylsilylethynylâ€“Anthradithiophene Microcrystal Arrays. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901696.	1.9	22
2066	Amphiphilic anthanthrene trimers that exfoliate graphite and individualize single wall carbon nanotubes. <i>Nanoscale</i> , 2020, 12, 956-966.	2.8	5
2067	Surface-grafting polymers: from chemistry to organic electronics. <i>Materials Chemistry Frontiers</i> , 2020, 4, 692-714.	3.2	84
2068	Trisulfur radical anion-triggered stitching thienannulation: rapid access to largely ï€-extended thienoacenes. <i>Chemical Science</i> , 2020, 11, 1503-1509.	3.7	23
2069	The Î±,Î±â€“Dihalocarbonyl Building Blocks: An Avenue for New Reaction Development in Organic Synthesis. <i>Chemistry - A European Journal</i> , 2020, 26, 7145-7175.	1.7	32
2070	Thermally Activated Delayed Fluorescent Donorâ€“Acceptorâ€“Donorâ€“Acceptor ï€-Conjugated Macrocycle for Organic Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2020, 142, 1482-1491.	6.6	114

#	ARTICLE	IF	CITATIONS
2071	Meta-analysis: the molecular organization of non-fullerene acceptors. <i>Materials Horizons</i> , 2020, 7, 1062-1072.	6.4	38
2072	FeCl ₃ mediated dimerization of dihydropyrrolo[2,1- <i>a</i>]isoquinolines and chlorination of tetrasubstituted pyrroles. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 660-665.	1.5	23
2073	Diversity-oriented approach to functional thiophene dyes by Suzuki coupling-lithiation one-pot sequences. <i>Organic Chemistry Frontiers</i> , 2020, 7, 329-339.	2.3	8
2074	All-acceptor polymers with noncovalent interactions for efficient ambipolar transistors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2094-2101.	2.7	18
2075	Conjugated polysquaraines synthesized by polycondensation: Physical, optical, and charge transport properties. <i>Dyes and Pigments</i> , 2020, 175, 108162.	2.0	1
2076	Copper-Catalyzed Annulative Coupling of S,S-Disubstituted Enones with Diazo Compounds to Access Highly Functionalized Thiophene Derivatives. <i>Journal of Organic Chemistry</i> , 2020, 85, 1044-1053.	1.7	16
2077	Efficient Construction of Near-Infrared Absorption Donor-Acceptor Copolymers with and without Pt(II)-Incorporation toward Broadband Nonlinear Optical Materials. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2944-2951.	4.0	29
2078	A Conjugated Polymer Containing a B-N Unit for Unipolar n-Type Organic Field-Effect Transistors. <i>ACS Applied Polymer Materials</i> , 2020, 2, 19-25.	2.0	35
2079	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
2080	Optical and charge transport properties of chalcogen (O, S and Se) based acene molecules. <i>Journal of Molecular Structure</i> , 2020, 1203, 127397.	1.8	19
2081	Fast-Response, Highly Air-Stable, and Water-Resistant Organic Photodetectors Based on a Single-Crystal Pt Complex. <i>Advanced Materials</i> , 2020, 32, e1904634.	11.1	56
2082	The crystal structure of 1-benzyl-2-((4-(tert-butyl)phenyl)ethynyl)pyridin-1-ium bromide, C ₂₄ H ₂₄ BrN. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2020, 235, 309-310.	0.1	0
2083	Unraveling the unusual effect of fluorination on crystal packing in an organic semiconductor. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 1665-1673.	1.3	16
2084	Electronic structure and magnetic properties of the triangular nanographenes with radical substituents: a DFT study. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 1288-1298.	1.3	18
2085	Tunable low-dimensional self-assembly of H-shaped bichromophoric perylene diimide Gemini in solution. <i>Nanoscale</i> , 2020, 12, 3058-3067.	2.8	11
2086	Conveniently Synthesized Butterfly-Shaped Bitriphenylenes and their Application in Solution-Processed Organic Field-Effect Transistor Devices. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 662-673.	1.2	4
2087	Binary/ternary memory behavior of organo-solubility polyimides containing flexible imide linkages and pendent triphenylamine or 3, 4, 5-trifluorobenzene moieties. <i>European Polymer Journal</i> , 2020, 125, 109473.	2.6	16
2088	Theoretical comparative study of promising semiconducting aromatic molecules and their fluorinated counterparts. <i>Synthetic Metals</i> , 2020, 260, 116263.	2.1	5

#	ARTICLE	IF	CITATIONS
2089	Isolation of singlet carbene derived 2-phospha-1,3-butadienes and their sequential one-electron oxidation to radical cations and dications. <i>Chemical Science</i> , 2020, 11, 1975-1984.	3.7	19
2090	Organic-Inorganic Hybrid Clusters Assembled from Phosphomolybdate Anions and Thioarylated Tetrathiafulvalenes with Diversiform Electron States and Configurations. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 169-175.	1.0	0
2091	Recent topics on synthesis of π -extended polycycles by cascade annulations. <i>Tetrahedron Letters</i> , 2020, 61, 151514.	0.7	12
2092	Dodecacene Generated on Surface: Reopening of the Energy Gap. <i>ACS Nano</i> , 2020, 14, 1011-1017.	7.3	93
2093	Modification of the carrier mobility of conducting PF-EP polymer by formation of their composites with thiophene derivatives. <i>Organic Electronics</i> , 2020, 78, 105586.	1.4	3
2094	U-Shaped Helical Azaarenes: Synthesis, Structures, and Properties. <i>Journal of Organic Chemistry</i> , 2020, 85, 291-295.	1.7	10
2095	A DFT study on optical, electronic, and charge transport properties of star-shaped benzo[1,2- <i>b</i> :3,4- <i>b'</i> :5,6- <i>b''</i> :3']trithiophene oligomers. <i>Journal of Physical Organic Chemistry</i> , 2020, 33, e4037.	0.9	5
2096	Synthesis and Semiconducting Characteristics of the BF ₂ Complexes of Bisbenzothiophene-Fused Azadipyrromethenes. <i>Organic Letters</i> , 2020, 22, 185-189.	2.4	23
2097	Elektrochemischer Zugang zu aza-polycyclischen aromatischen Kohlenwasserstoffen: Rhoda-Elektrokatalytische Domino-Alkin-Anellierungen. <i>Angewandte Chemie</i> , 2020, 132, 5596-5601.	1.6	17
2098	Intermolecular channel expansion induced by cation- π interactions to enhance lithium storage in a crosslinked π -conjugated organic anode. <i>Journal of Power Sources</i> , 2020, 449, 227551.	4.0	21
2099	Electrochemical Access to Aza-Polycyclic Aromatic Hydrocarbons: Rhoda-Electrocatalyzed Domino Alkyne Annulations. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5551-5556.	7.2	72
2100	Multifunctional conjugated 1,6-heptadiynes and its derivatives stimulated molecular electronics: Future moletronics. <i>European Polymer Journal</i> , 2020, 124, 109467.	2.6	9
2101	An Interlocking Fibrillar Polymer Layer for Mechanical Stability of Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , 2020, 7, 2001425.	1.9	9
2102	In-Depth Investigation of the Correlation between Organic Semiconductor Orientation and Energy-Level Alignment Using In Situ Photoelectron Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50628-50637.	4.0	5
2103	Band gap engineering of donor-acceptor co-crystals by complementary two-point hydrogen bonding. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3669-3677.	3.2	14
2104	Charge-Based Model for the Drain-Current Variability in Organic Thin-Film Transistors Due to Carrier-Number and Correlated-Mobility Fluctuation. <i>IEEE Transactions on Electron Devices</i> , 2020, 67, 4667-4671.	1.6	8
2105	Synthesis and Optical Properties of Monodisperse Phenothiazinevinylene-Based Conjugated Oligomers. <i>ChemistrySelect</i> , 2020, 5, 12218-12223.	0.7	3
2106	A catalyst-free aqueous mediated multicomponent reaction of isocyanide: expeditious synthesis of polyfunctionalized cyclofused mono-, di- and tricarbazoles. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3720-3726.	2.3	19

#	ARTICLE	IF	CITATIONS
2107	Novel and asymmetric S,N-heterocyclics with fused six-membered rings for organic field effect transistor applications. <i>Journal of Materials Chemistry C</i> , 2020, 8, 17083-17089.	2.7	3
2108	High-mobility thienothiophene integrating strong emission and high photoresponsivity for multifunctional optoelectronic applications. <i>Organic Electronics</i> , 2020, 87, 105941.	1.4	8
2109	Incorporation of Planar Blocks into Twisted Skeletons: Boosting Brightness of Fluorophores for Bioimaging beyond 1500 Nanometer. <i>ACS Nano</i> , 2020, 14, 14228-14239.	7.3	78
2110	Thiacrown Ethers Engaged C ₆₀ through Charge Transfer: Experimental and Theoretical Study. <i>ACS Omega</i> , 2020, 5, 25049-25058.	1.6	1
2111	Effect of Electronically Distinct Aromatic Substituents on the Molecular Assembly and Hole Transport of V-Shaped Organic Semiconductors. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17503-17511.	1.5	1
2112	Study on Debenzylation of Pentabenzylpentaza[3,3,3]Propellane. <i>Key Engineering Materials</i> , 2020, 842, 205-213.	0.4	0
2113	Systematic Study on the Morphological Development of Blade-Coated Conjugated Polymer Thin Films via In Situ Measurements. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36417-36427.	4.0	15
2114	Synthesis of 2-Organylchalcogenopheno[2,3-b]pyridines from Elemental Chalcogen and NaBH ₄ /PEG ₄₀₀ as a Reducing System: Antioxidant and Antinociceptive Properties. <i>ChemMedChem</i> , 2020, 15, 1741-1751.	1.6	4
2115	cAAC-Stabilized 9,10-diboraanthracenes Acenes with Open-Shell Singlet Biradical Ground States. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19338-19343.	7.2	54
2116	Synthesis of Decaaryl anthracene with Nine Different Substituents. <i>Journal of Organic Chemistry</i> , 2020, 85, 15437-15448.	1.7	10
2117	High performance single-crystalline organic field-effect transistors based on molecular-modified dibenzo[<i>a</i>][<i>e</i>]pentalenes derivatives. <i>New Journal of Chemistry</i> , 2020, 44, 17552-17557.	1.4	10
2118	Enhanced ambipolar charge transport for efficient organic single crystal light-emitting transistors with a narrowed ambipolar regime. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16333-16338.	2.7	9
2119	Microstructured Ultrathin Organic Semiconductor Film via Dip-Coating: Precise Assembly and Diverse Applications. <i>Accounts of Materials Research</i> , 2020, 1, 201-212.	5.9	8
2120	Annulation of imidazo[1,2- <i>a</i>]pyridines under metal-free conditions. <i>New Journal of Chemistry</i> , 2020, 44, 20530-20534.	1.4	4
2121	Purity of organic semiconductors as a key factor for the performance of organic electronic devices. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3678-3689.	3.2	23
2122	Unraveling the influence of non-fullerene acceptor molecular packing on photovoltaic performance of organic solar cells. <i>Nature Communications</i> , 2020, 11, 6005.	5.8	112
2123	Œ-Extended Dihydrophenazine-Based Polymeric Cathode Material for High-Performance Organic Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 17868-17875.	3.2	28
2124	Recent advances in conjugated polythiophene-based rod-rod block copolymers: From morphology control to optoelectronic applications. <i>Giant</i> , 2020, 4, 100039.	2.5	25

#	ARTICLE	IF	CITATIONS
2125	Immobilizing a π -Conjugated Catecholato Framework on Surfaces of SiO_2 Insulator Films via a One-Atom Anchor of a Platinum Metal Center to Modulate Organic Transistor Performance. <i>Inorganic Chemistry</i> , 2020, 59, 17945-17957.	1.9	1
2127	Selenophene and Thiophene-Based Conjugated Polymer Gels. , 2020, 2, 1617-1623.		8
2128	Silicon and oxygen synergistic effects for the discovery of new high-performance nonfullerene acceptors. <i>Nature Communications</i> , 2020, 11, 5814.	5.8	29
2129	Conducting Polymers for Optoelectronic Devices and Organic Solar Cells: A Review. <i>Polymers</i> , 2020, 12, 2627.	2.0	127
2130	Synthesis and characterization of <i>S,N</i> -heterotetracenes. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 2636-2644.	1.3	8
2131	The development of conjugated polymers as the cornerstone of organic electronics. <i>Polymer</i> , 2020, 207, 122874.	1.8	63
2132	Synthesis of thieno[2,3- <i>h</i>]/[3,2- <i>h</i>]quinolines and thieno[2,3- <i>f</i>] quinolines by Brønsted acid mediated cycloisomerisation. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6531-6536.	1.5	8
2133	The Critical Role of Dopant Cations in Electrical Conductivity and Thermoelectric Performance of <i>n</i> -Doped Polymers. <i>Journal of the American Chemical Society</i> , 2020, 142, 15340-15348.	6.6	98
2134	Recent Advances in the Cycloaddition Reactions of 2-Benzylidene-1-benzofuranones, and Their Sulfur, Nitrogen and Methylene Analogues. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2838-2853.	1.7	34
2135	Opportunities for Cryogenic Electron Microscopy in Materials Science and Nanoscience. <i>ACS Nano</i> , 2020, 14, 9263-9276.	7.3	55
2136	A Fully Conjugated Planar Heterocyclic [9]Circulene. <i>Journal of the American Chemical Society</i> , 2020, 142, 14058-14063.	6.6	28
2137	New Strategy for Catalytic Oxidative C-H Functionalization: Efficient Combination of Transition-metal Catalyst and Electrochemical Oxidation. <i>Chemistry Letters</i> , 2020, 49, 1256-1269.	0.7	28
2138	Large-area printed low-voltage organic thin film transistors <i>via</i> minimal-solution bar-coating. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15112-15118.	2.7	14
2139	Tunable Mechanical and Optoelectronic Properties of Organic Cocrystals by Unexpected Stacking Transformation from H- to J- and X-Aggregation. <i>ACS Nano</i> , 2020, 14, 10704-10715.	7.3	61
2140	Helical Networks of π -Conjugated Rods – A Robust Design Concept for Bicontinuous Cubic Liquid Crystalline Phases with Achiral $\text{Ia}3\text{d}$ and Chiral $\text{P}23$ Lattice. <i>Advanced Functional Materials</i> , 2020, 30, 2004353.	7.8	22
2141	Isoindigo (IID)-Based Semiconductor with $\text{F}\cdots\text{S}$ Interaction Locked Conformation for High-Performance Ambipolar Bottom-Gate Top-Contact Field-Effect Transistors. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000189.	1.1	5
2142	Quasiparticles and Band Structures in Organized Nanostructures of Donor-Acceptor Copolymers. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 7177-7183.	2.1	5
2143	Influence of Molecular Symmetry and Terminal Substituents on the Morphology and OFET Characteristics of <i>S,N</i> -Heteropentacenes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40572-40580.	4.0	4

#	ARTICLE	IF	CITATIONS
2144	Unraveling the Origin of High-Efficiency Photoluminescence in Mixed-Stack Isostructural Crystals of Organic Charge-Transfer Complex: Fine-Tuning of Isometric Donor–Acceptor Pairs. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20377-20387.	1.5	10
2145	Electric Field-Induced Assembly in Single-Stacking Terphenyl Junctions. <i>Journal of the American Chemical Society</i> , 2020, 142, 19101-19109.	6.6	61
2146	Low band gap donor-acceptor-donor compounds containing carbazole and naphthalene diimide units: Synthesis, electropolymerization and spectroelectrochemical behaviour. <i>Electrochimica Acta</i> , 2020, 358, 136922.	2.6	16
2147	Branched conjugated polymers for fast capacitive storage of sodium ions. <i>Journal of Materials Chemistry A</i> , 2020, 8, 23851-23856.	5.2	32
2148	Recent progress in organic electrodes for zinc-ion batteries. <i>Journal of Semiconductors</i> , 2020, 41, 091704.	2.0	31
2149	Substitution site effect of naphthyl substituted anthracene derivatives and their applications in organic optoelectronics. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15597-15602.	2.7	6
2150	Organocatalytic enantioselective tandem sulfa-Michael/aldol reaction to access dihydrothiopyran-fused benzosulfolane skeletons bearing three contiguous stereocenters. <i>Chemical Communications</i> , 2020, 56, 12363-12366.	2.2	12
2151	Synthesis of 2-Azapyrenes and Their Photophysical and Electrochemical Properties. <i>Journal of Organic Chemistry</i> , 2020, 85, 12823-12842.	1.7	25
2152	Tuning of Molecular Electrostatic Potential Enables Efficient Charge Transport in Crystalline Azaacenes: A Computational Study. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5654.	1.8	6
2153	Construction of Benzothiophene or Benzothiopheno[2,3- <i>e</i>]azepinedione Derivatives via Three-Component Domino or One-Pot Sequences. <i>Journal of Organic Chemistry</i> , 2020, 85, 12270-12283.	1.7	11
2154	Synthesis and Physicochemical Properties of 2,7-Disubstituted Phenanthro[2,1- <i>b</i> :7,8- <i>b'</i>]dithiophenes. <i>Molecules</i> , 2020, 25, 3842.	1.7	1
2155	Designing High Performance Organic Batteries. <i>Accounts of Chemical Research</i> , 2020, 53, 2636-2647.	7.6	156
2156	Selective Synthesis of Phenanthrenes and Dihydrophenanthrenes via Gold-Catalyzed Cycloisomerization of Biphenyl Embedded Trienynes. <i>Organic Letters</i> , 2020, 22, 8464-8469.	2.4	14
2157	Trithiocarbonate Anion as a Sulfur Source for the Synthesis of 2,5-Disubstituted Thiophenes and 2-Substituted Benzo[<i>b</i>]thiophenes. <i>Journal of Organic Chemistry</i> , 2020, 85, 12922-12934.	1.7	15
2158	Bis-3,5-Diamino-1,2,4-Triazolyl-1,2,4,5-Tetrazine: From Insensitive High Energy Density Materials to Small Molecule Organic Semiconductors. <i>Crystal Growth and Design</i> , 2020, 20, 6510-6518.	1.4	3
2159	Molecular doped organic semiconductor crystals for optoelectronic device applications. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14996-15008.	2.7	25
2160	Chiroptical Properties in Thin Films of π -Conjugated Systems. <i>Chemical Reviews</i> , 2020, 120, 10145-10243.	23.0	318
2161	Resistance to Unwanted Photo-Oxidation of Multi-Acene Molecules. <i>Journal of Organic Chemistry</i> , 2020, 85, 12731-12739.	1.7	11

#	ARTICLE	IF	CITATIONS
2162	2,3-Thienoimide-ended oligothiophenes as ambipolar semiconductors for multifunctional single-layer light-emitting transistors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15048-15066.	2.7	18
2163	Sustainable Access to π -Conjugated Molecular Materials via Direct (Hetero)Arylation Reactions in Water and under Air. <i>Molecules</i> , 2020, 25, 3717.	1.7	11
2164	cAAC-stabilisierte 9,10-Diboraanthracene -offenschalige Singulettbiradikale. <i>Angewandte Chemie</i> , 2020, 132, 19502-19507.	1.6	17
2165	The Different Faces of [Ru(bpy) ₃ Cl ₂] and <i>fac</i> [Ir(ppy) ₃] Photocatalysts: Redox Potential Controlled Synthesis of Sulfonylated Fluorenes and Pyrroloindoles from Unactivated Olefins and Sulfonyl Chlorides. <i>Organic Letters</i> , 2020, 22, 7853-7858.	2.4	26
2166	Orientation-Dependent Host-Dopant Interactions for Manipulating Charge Transport in Conjugated Polymers. <i>Advanced Materials</i> , 2020, 32, e2002823.	11.1	20
2167	Crystallization-Induced Planar Chirality by Asymmetric Ferrocene-Appended Tetraazanaphthacene. <i>Crystal Growth and Design</i> , 2020, 20, 7081-7086.	1.4	1
2168	Structural order and charge transfer in highly strained carbon nanobelts. <i>New Journal of Chemistry</i> , 2020, 44, 15769-15775.	1.4	14
2169	Liquid Crystalline Conjugated Polymers. <i>Polymers and Polymeric Composites</i> , 2020, , 317-339.	0.6	0
2170	Linear acenaphthene-imide-fused pyrazinacene-quinone: synthesis and photophysical properties. <i>Materials Technology</i> , 2022, 37, 1981-1988.	1.5	9
2171	Elastic Organic Crystals of π -Conjugated Molecules: New Concept for Materials Chemistry. <i>Symmetry</i> , 2020, 12, 2022.	1.1	19
2172	Design and Synthesis of Annulated Benzothiadiazoles via Dithiolate Formation for Ambipolar Organic Semiconductors. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53328-53341.	4.0	3
2173	High mobility organic semiconductor for constructing high efficiency carbon nitride heterojunction photocatalysts. <i>Journal of Materials Chemistry C</i> , 2020, 8, 17157-17161.	2.7	7
2174	Parylene-based polymeric dielectric top-gate organic field-effect transistors exposed to a UV/ozone environment. <i>Organic Electronics</i> , 2020, 87, 105942.	1.4	6
2175	Acenes beyond organic electronics: sensing of singlet oxygen and stimuli-responsive materials. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9191-9209.	1.5	31
2176	Synthesis and study of N,N-disubstituted derivatives of pyromellitic diimide. <i>Russian Chemical Bulletin</i> , 2020, 69, 1944-1948.	0.4	4
2177	Two-Dimensional Covalent Organic Frameworks with Enhanced Aluminum Storage Properties. <i>ChemSusChem</i> , 2020, 13, 3447-3454.	3.6	44
2178	Graphene-passivated nickel as an efficient hole-injecting electrode for large area organic semiconductor devices. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	3
2179	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

#	ARTICLE	IF	CITATIONS
2180	Efficient Spin Selectivity in Self-Assembled Superhelical Conducting Polymer Microfibers. <i>ACS Nano</i> , 2020, 14, 6607-6615.	7.3	28
2181	Ferrocene on Insulator: Silane Coupling to a SiO ₂ Surface and Influence on Electrical Transport at a Buried Interface with an Organic Semiconductor Layer. <i>Langmuir</i> , 2020, 36, 5809-5819.	1.6	9
2182	Architecting layered molecular packing in substituted benzobisbenzothiophene (BBBT) semiconductor crystals. <i>CrystEngComm</i> , 2020, 22, 3618-3626.	1.3	18
2183	Electrochemical Oxidative [4+2] Annulation for the Extension of Unfunctionalized Heterobiaryl Compounds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15238-15243.	7.2	46
2184	Electrochemical Oxidative [4+2] Annulation for the Extension of Unfunctionalized Heterobiaryl Compounds. <i>Angewandte Chemie</i> , 2020, 132, 15350-15355.	1.6	10
2185	Heavy-atom effects in the parent [1]benzochalcogenopheno[3,2-b] [1]benzochalcogenophene system. <i>Journal of Materials Chemistry C</i> , 2020, 8, 15119-15127.	2.7	17
2186	One-Pot Domino Carbonylation Protocol for Aromatic Diimides toward n-Type Organic Semiconductors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14024-14028.	7.2	39
2187	Modelling and synthesis of solution processable dibenzothiophene derivative for organic electronics. <i>Materials Today: Proceedings</i> , 2020, 33, 1288-1292.	0.9	0
2188	Compressing Double [7]Helicene by Successive Charging with Electrons. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15923-15927.	7.2	21
2189	One-Pot Domino Carbonylation Protocol for Aromatic Diimides toward n-Type Organic Semiconductors. <i>Angewandte Chemie</i> , 2020, 132, 14128-14132.	1.6	7
2190	Effect of Spacer Length in Naphthobispyrazine-Based π -Conjugated Polymers on Properties, Thin Film Structures, and Photovoltaic Performances. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 949-957.	2.0	0
2191	Biomemristors as the next generation bioelectronics. <i>Nano Energy</i> , 2020, 75, 104938.	8.2	110
2192	F8BT Oligomers for Organic Solid-State Lasers. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 28383-28391.	4.0	20
2193	One-Amide Thin Films Prepared by Physical Vapor Deposition of Nylon-6 Granules. <i>ACS Applied Polymer Materials</i> , 2020, 2, 1746-1753.	2.0	1
2194	Bottom-Up Approaches for Precisely Nanostructuring Hybrid Organic/Inorganic Multi-Component Composites for Organic Photovoltaics. <i>MRS Advances</i> , 2020, 5, 2055-2065.	0.5	7
2195	Red-emissive poly(phenylene vinylene)-derivated semiconductors with well-balanced ambipolar electrical transporting properties. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10868-10879.	2.7	18
2196	π -Conjugated oligomers based on aminobenzodifuranone and diketopyrrolopyrrole. <i>Dyes and Pigments</i> , 2020, 181, 108552.	2.0	35
2197	The impact of phenyl-phenyl linkage on the thermodynamic, optical and morphological behavior of carbazol derivatives. <i>RSC Advances</i> , 2020, 10, 11766-11776.	1.7	5

#	ARTICLE	IF	CITATIONS
2198	Multiconfigurational dynamics explain photochemical reactivity and torquoselectivity towards fluorinated polyacetylenes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10880-10888.	2.7	2
2199	From spin-labelled fused polyaromatic compounds to magnetically active graphene nanostructures. <i>Russian Chemical Reviews</i> , 2020, 89, 693-712.	2.5	15
2200	Dinaphthothiepine Bisimide and Its Sulfoxide: Soluble Precursors for Perylene Bisimide. <i>Journal of the American Chemical Society</i> , 2020, 142, 11663-11668.	6.6	37
2201	New donor-acceptor-donor type of organic semiconductors based on the regioisomers of diketopyrrolopyrroles: A DFT study. <i>Materials Today Communications</i> , 2020, 25, 101364.	0.9	11
2202	Solution-processed self-assemble engineering PDI derivative polymorphisms with optoelectrical property tuning in organic field-effect transistors. <i>Organic Electronics</i> , 2020, 83, 105777.	1.4	5
2203	Naphthalene- <i>Diimide</i> -Based Ionenes as Universal Interlayers for Efficient Organic Solar Cells. <i>Angewandte Chemie</i> , 2020, 132, 18288-18292.	1.6	14
2204	Naphthalene- <i>Diimide</i> -Based Ionenes as Universal Interlayers for Efficient Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18131-18135.	7.2	61
2205	Oxidative Electrocyclization of Diradicaloids: C-C Bonds for Free or How to Use Biradical Character for I^- -Extension. <i>Organic Letters</i> , 2020, 22, 5741-5745.	2.4	10
2206	Cobalt-Catalyzed Cycloamination: Synthesis and Photophysical Properties of Polycyclic N-Heterocycles. <i>Organic Letters</i> , 2020, 22, 5151-5156.	2.4	20
2207	Evaluation of structural, spectral characterization and cytotoxic activity studies of some polycyclic aromatic compounds. <i>Arabian Journal of Chemistry</i> , 2020, 13, 5593-5604.	2.3	4
2208	Emerging organic potassium-ion batteries: electrodes and electrolytes. <i>Journal of Materials Chemistry A</i> , 2020, 8, 15547-15574.	5.2	69
2209	Two-dimensional conjugated polymer films <i>via</i> liquid-interface-assisted synthesis toward organic electronic devices. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10696-10718.	2.7	32
2210	<i>n</i> -Type Quinoidal Oligothiophene-Based Semiconductors for Thin-Film Transistors and Thermoelectrics. <i>Advanced Functional Materials</i> , 2020, 30, 2000765.	7.8	40
2211	Theoretical study on the electronic, optoelectronic, linear and non linear optical properties and UV-Vis Spectrum of Coronene and Coronene substituted with Chlorine. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	15
2212	Two-Dimensional Conjugated Polymer Synthesized by Interfacial Suzuki Reaction: Towards Electronic Device Applications. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9403-9407.	7.2	56
2213	Redox polymers for rechargeable metal-ion batteries. <i>EnergyChem</i> , 2020, 2, 100030.	10.1	120
2214	Optoelectronic properties of heptacene, its fluorinated derivatives and silole, thiophene analogues. <i>Materials Today Communications</i> , 2020, 24, 101054.	0.9	0
2215	Zinc Phthalocyanine-Poly (Vinyl Alcohol) nanocomposite films: Low threshold optical limiting properties based on third-order nonlinear absorption response. <i>Optics and Laser Technology</i> , 2020, 127, 106168.	2.2	15

#	ARTICLE	IF	CITATIONS
2216	Enhanced charge transport properties in heteroatomic (NH, O, Se) analogs of benzotrithiophene (BTT) isomers: a DFT insight. <i>Molecular Simulation</i> , 2020, 46, 548-556.	0.9	11
2217	Magnetic-field guided solvent vapor annealing for enhanced molecular alignment and carrier mobility of a semiconducting diketopyrrolopyrrole-based polymer. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4477-4485.	2.7	13
2218	Non-covalent interaction controlled 2D organic semiconductor films: Molecular self-assembly, electronic and optical properties, and electronic devices. <i>Surface Science Reports</i> , 2020, 75, 100481.	3.8	24
2219	Structure-Property Relationships in Unsymmetric Bis(antiaromatics): Who Wins the Battle between Pentalene and Benzocyclobutadiene?. <i>Journal of Organic Chemistry</i> , 2020, 85, 5158-5172.	1.7	19
2220	All-Solid-State Organic Schmitt Trigger Implemented by Twin Two-In-One Ferroelectric Memory Transistors. <i>Advanced Electronic Materials</i> , 2020, 6, 1901263.	2.6	5
2221	Time-Resolved Operando Spectroscopic Measurements for Organic Field-Effect Transistors. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1210-1217.	2.0	3
2222	Two-Dimensional Conjugated Polymer Synthesized by Interfacial Suzuki Reaction: Towards Electronic Device Applications. <i>Angewandte Chemie</i> , 2020, 132, 9489-9493.	1.6	12
2223	Fluorenone Schiff base derivative complexes of ruthenium, rhodium and iridium exhibiting efficient antibacterial activity and DNA-binding affinity. <i>Journal of Organometallic Chemistry</i> , 2020, 915, 121246.	0.8	16
2224	Indole-Based Aza[5,6]helicenes with Violet-Blue Fluorescence and Two-Photon Absorption (TPA). <i>ChemPlusChem</i> , 2020, 85, 742-750.	1.3	2
2225	Air-Stable and High-Performance Unipolar n-Type Conjugated Semiconducting Polymers Prepared by a Strong Acceptor-Weak Donor Strategy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17790-17798. ^{4.0}		18
2226	Diketopyrrolopyrrole-Based Donor-Acceptor Conjugated Microporous Polymers for Visible-Light-Driven Photocatalytic Hydrogen Production from Water. <i>Macromolecules</i> , 2020, 53, 2454-2463.	2.2	59
2227	Synthesis and Crystal Packing Structures of 2,7-Diazapyrenes with Various Alkyl Groups at 1,3,6,8-Positions. <i>Chemistry Letters</i> , 2020, 49, 465-468.	0.7	10
2228	Solution-Processable, Crystalline π -Conjugated Two-Dimensional Polymers with High Charge Carrier Mobility. <i>CheM</i> , 2020, 6, 2035-2045.	5.8	44
2229	Recent Advances in C-H Activation for the Synthesis of π -Extended Materials. , 2020, 2, 951-974.		91
2230	Rh(III)-Catalyzed Oxidative C-H Activation/Domino Annulation of Anilines with 1,3-Diynes: A Rapid Access to Blue-Emitting Tricyclic N,O-Heteroaromatics. <i>Organic Letters</i> , 2020, 22, 5309-5313.	2.4	23
2231	Metal oxide dielectrics. , 2020, , 31-39.		2
2232	A thermally activated and highly miscible dopant for n-type organic thermoelectrics. <i>Nature Communications</i> , 2020, 11, 3292.	5.8	105
2233	Effect of Block Sequence in All-Conjugated Triblock Copoly(3-alkylthiophene)s on Control of the Crystallization and Field-Effect Mobility. <i>Macromolecules</i> , 2020, 53, 5775-5786.	2.2	16

#	ARTICLE	IF	CITATIONS
2234	High-mobility organic single-crystalline transistors with anisotropic transport based on high symmetrical α -H-shaped heteroarene derivatives. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11477-11484.	2.7	5
2235	Compressing Double [7]Helicene by Successive Charging with Electrons. <i>Angewandte Chemie</i> , 2020, 132, 16057-16061.	1.6	6
2236	Energy-efficient, fully flexible, high-performance tactile sensor based on piezotronic effect: Piezoelectric signal amplified with organic field-effect transistors. <i>Nano Energy</i> , 2020, 76, 105050.	8.2	68
2237	Copper-Catalyzed N,N-Diarylation of Amides for the Construction of 9,10-Dihydroacridine Structure and Applications in the Synthesis of Diverse Nitrogen-Embedded Polyacenes. <i>Organic Letters</i> , 2020, 22, 5417-5422.	2.4	9
2238	Concise Approach to α -Shaped NBN-Phenylene Cored Luminogens as Intensive Blue Light Emitters. <i>Chemistry - A European Journal</i> , 2020, 26, 13966-13972.	1.7	8
2239	Formation of Highly Efficient, Long-Lived Charge Separated States in Star-Shaped Ferrocene-Diketopyrrolopyrrole-Triphenylamine Donor-Acceptor-Donor Conjugates. <i>Chemistry - A European Journal</i> , 2020, 26, 15109-15115.	1.7	10
2240	Palladium-Catalyzed Oxidative Annulation of 1-Hydroxy-10-Carborane with Internal Alkynes: Facile Synthesis of Fused Oxaboroles. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1575-1578.	2.6	12
2241	Optimization of gate-bias stability and gas-sensing properties of triethylsilylethynyl anthradithiophene micro-strip field-effect transistors by incorporating insulating polymer. <i>Organic Electronics</i> , 2020, 85, 105878.	1.4	8
2242	Synthesis and polymerization of 2,2'-bithiophenes substituted with π -conjugated arms. <i>Materials Today Communications</i> , 2020, 25, 101424.	0.9	0
2243	Ring-expansion approach towards extended asymmetric benzopentafulvalenes: overcrowded olefinic structure and chain length-dependent properties. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2247-2254.	2.3	7
2244	Accessing π -Expanded heterocyclics beyond dibenzothiophene: Syntheses and properties of phenanthrothiophenes. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 437-445.	0.8	5
2245	Synthesis and characterization of π -bridged [A(DA'nD') ₂] based small molecules with potential optoelectronic application. <i>Synthetic Metals</i> , 2020, 261, 116307.	2.1	3
2246	Influence of Covalent and Noncovalent Backbone Rigidification Strategies on the Aggregation Structures of a Wide-Band-Gap Polymer for Photovoltaic Cells. <i>Chemistry of Materials</i> , 2020, 32, 1993-2003.	3.2	36
2247	Fine Synthesis of Longitudinal/Horizontal-Growth Organic Heterostructures for the Optical Logic Gates. <i>Advanced Electronic Materials</i> , 2020, 6, 1901268.	2.6	9
2248	Polymer design to promote low work function surfaces in organic electronics. <i>Progress in Polymer Science</i> , 2020, 103, 101222.	11.8	48
2249	Partially Controlling Molecular Packing to Achieve Off-On Mechanochromism through Ingenious Molecular Design. <i>Advanced Optical Materials</i> , 2020, 8, 1902036.	3.6	43
2250	Acetophenone and thiophene side-arm polyaryleneethynylene conjugated polymers for enrichment of electronic applications. <i>Polymer International</i> , 2020, 69, 429-438.	1.6	2
2251	Pd(II)-Catalyzed One-Pot Multiple C-C Bond Formation: En Route Synthesis of Succinimide-Fused Unsymmetrical 9,10-Dihydrophenanthrenes from Aryl Iodides and Maleimides. <i>Organic Letters</i> , 2020, 22, 1908-1913.	2.4	11

#	ARTICLE	IF	CITATIONS
2252	Atomic structures and orbital energies of 61,489 crystal-forming organic molecules. <i>Scientific Data</i> , 2020, 7, 58.	2.4	52
2253	Single-photon upconversion in 6-pentaceneone crystal from bulk to ultrathin flakes. <i>Nanoscale</i> , 2020, 12, 6227-6232.	2.8	8
2254	Interface Engineering in Organic Field-Effect Transistors: Principles, Applications, and Perspectives. <i>Chemical Reviews</i> , 2020, 120, 2879-2949.	23.0	213
2255	Visible Light-Mediated Photoclick Functionalization of a Conjugated Polymer Backbone. <i>Macromolecules</i> , 2020, 53, 1760-1766.	2.2	15
2256	Diketopyrrolopyrrole-based functional supramolecular polymers: next-generation materials for optoelectronic applications. <i>Materials Today Chemistry</i> , 2020, 16, 100242.	1.7	38
2257	Anthracene derivative based multifunctional liquid crystal materials for optoelectronic devices. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3546-3555.	3.2	21
2258	In Situ Growth of High Quality Crystals for Organic Electronics. <i>ACS Applied Electronic Materials</i> , 2020, 2, 790-795.	2.0	3
2259	Two-Photon Absorption of Butterfly-Shaped Carbonyl-Bridged Twistarene. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 579-583.	1.3	3
2260	Synthesis of Polybenzoacenes: Annulative Dimerization of Phenylene Triflate by Twofold C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6551-6554.	7.2	29
2261	Weak Intermolecular Interactions for Strengthening Organic Batteries. <i>Energy and Environmental Materials</i> , 2020, 3, 441-452.	7.3	77
2262	Solution Processable Pseudo <i>n</i> -Thienoacenes via Intramolecular S-S Lock for High Performance Organic Field Effect Transistors. <i>Chemistry of Materials</i> , 2020, 32, 1422-1429.	3.2	38
2263	Tris(tropolonato) ruthenium as a hub for connecting π -conjugated systems. <i>Dalton Transactions</i> , 2020, 49, 2102-2111.	1.6	3
2264	Solution-Processed Centimeter-Scale Highly Aligned Organic Crystalline Arrays for High-Performance Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2020, 32, e1908388.	11.1	99
2265	Facile Synthetic Route for Direct Access of Perylene-dimide Single Crystals in High Yield through In Situ Crystallization. <i>ChemistrySelect</i> , 2020, 5, 2070-2074.	0.7	4
2266	Design and Syntheses of Palladium Complexes of NNN/CNN Pincer Ligands: Catalyst for Cross Dehydrogenative Coupling Reaction of Heteroarenes. <i>Organometallics</i> , 2020, 39, 324-333.	1.1	33
2267	A DFT study on the photoelectric properties of rubrene and its derivatives. <i>Journal of Molecular Modeling</i> , 2020, 26, 32.	0.8	4
2268	Small amount COFs enhancing storage of large anions. <i>Energy Storage Materials</i> , 2020, 27, 35-42.	9.5	62
2269	Enhanced charge transport and thermoelectric performance of P(NDI2OD-T2) by epitaxial crystallization on highly oriented polyethylene substrates. <i>Materials Chemistry Frontiers</i> , 2020, 4, 661-668.	3.2	14

#	ARTICLE	IF	CITATIONS
2270	Disrupt and induce intermolecular interactions to rationally design organic semiconductor crystals: from herringbone to rubrene-like pitched π -stacking. <i>Chemical Science</i> , 2020, 11, 1573-1580.	3.7	36
2271	One-Pot Synthesis of Orange-Red Fluorescent Dimeric 2 <i>H</i> -Pyrrolo[2,3- <i>c</i>]isoquinoline-2,5(3 <i>H</i>)-diones from Benzamides and Maleimides via Ru(II)-Catalyzed Sequential C/C/N/C Bond Formation. <i>Organic Letters</i> , 2020, 22, 1605-1610.	2.4	24
2272	Roles of Base in the Pd-Catalyzed Annulative Chlorophenylene Dimerization. <i>ACS Catalysis</i> , 2020, 10, 3059-3073.	5.5	16
2273	Chiral Stereoisomer Engineering of Electron Transporting Materials for Efficient and Stable Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 1905951.	7.8	22
2274	Molecular Semiconductors for Logic Operations: Dead End or Bright Future?. <i>Advanced Materials</i> , 2020, 32, e1905909.	11.1	135
2275	Coordination assembly of 2D ordered organic metal chalcogenides with widely tunable electronic band gaps. <i>Nature Communications</i> , 2020, 11, 261.	5.8	52
2276	ZnCl ₂ -Catalyzed [4+1] Annulation of Alkylthio-Substituted Enaminones and Enaminothiones with Sulfur Ylides. <i>Chemistry - A European Journal</i> , 2020, 26, 4941-4946.	1.7	19
2277	Theoretical insights on the high and differential charge transfer performance of dithienyl-diketopyrrolopyrrole-based polymers as ambipolar semiconductors. <i>Synthetic Metals</i> , 2020, 261, 116290.	2.1	4
2278	Noise Based Variability Approach for DC Statistical Analysis of Organic TFT Based Circuits. , 2020, , .		2
2279	Conformation Control of Conjugated Polymers. <i>Chemistry - A European Journal</i> , 2020, 26, 16194-16205.	1.7	49
2280	Wide band gap pyromellitic diimides for photo stable n-channel thin film transistors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7344-7349.	2.7	10
2281	Crystallization and Organic Field-Effect Transistor Performance of a Hydrogen-Bonded Quaterthiophene. <i>Chemistry - A European Journal</i> , 2020, 26, 10265-10275.	1.7	5
2282	Solvent effects and energy transfer processes in luminescent composite. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 397, 112581.	2.0	1
2283	Comparative analysis of metal diffusion effects in polymer films coated with spin coating and floating film transfer techniques. <i>Synthetic Metals</i> , 2020, 264, 116378.	2.1	0
2284	Recent progress on supramolecular assembly of organoplatinum(II) complexes into long-range ordered nanostructures. <i>Coordination Chemistry Reviews</i> , 2020, 414, 213300.	9.5	61
2285	Dearomatization-Rearomatization Strategy for Synthesizing Carbazoles with 2,2'-Biphenols and Ammonia by Dual C(Ar)-OH Bond Cleavages. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 13200-13205.	2.4	15
2286	Nucleation Control-Triggering Cocrystal Polymorphism of Charge-Transfer Complexes Differing in Physical and Electronic Properties. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19718-19726.	4.0	21
2287	Metal-free synthesis of biaryls from aryl sulfoxides and sulfonanilides via sigmatropic rearrangement. <i>Tetrahedron</i> , 2020, 76, 131232.	1.0	7

#	ARTICLE	IF	CITATIONS
2288	Signatures of an atomic crystal in the band structure of a C_{60} thin film. Physical Review B, 2020, 101, .	1.1	13
2289	Copper-catalyzed remote C-H arylation of polycyclic aromatic hydrocarbons (PAHs). Beilstein Journal of Organic Chemistry, 2020, 16, 530-536.	1.3	8
2290	Recent Progress in High Linearly Fused Polycyclic Conjugated Hydrocarbons (PCHs, $n \geq 6$) with Well-Defined Structures. Advanced Science, 2020, 7, 1903766.	5.6	80
2291	Dibenzo[f,h]furazano[3,4-b]quinoxalines: Synthesis by Intramolecular Cyclization through Direct Transition Metal-Free C-H Functionalization and Electrochemical, Photophysical, and Charge Mobility Characterization. ACS Omega, 2020, 5, 8200-8210.	1.6	13
2292	Synthesis of Polybenzoacenes: Annulative Dimerization of Phenylene Triflate by Twofold C-H Activation. Angewandte Chemie, 2020, 132, 6613-6616.	1.6	9
2293	Balancing Density Functional Theory Interaction Energies in Charged Dimers Precursors to Organic Semiconductors. Journal of Chemical Theory and Computation, 2020, 16, 3530-3542.	2.3	2
2294	Simple charge transport model for efficient search of high-mobility organic semiconductor crystals. Materials and Design, 2020, 192, 108730.	3.3	22
2295	Benzo[b]selenophene/thieno[3,2-b]indole-Based N,S,Se-Heteroacenes for Hole-Transporting Layers. ACS Omega, 2020, 5, 9377-9383.	1.6	14
2296	Bent-Shaped p-Type Small-Molecule Organic Semiconductors: A Molecular Design Strategy for Next-Generation Practical Applications. Journal of the American Chemical Society, 2020, 142, 9083-9096.	6.6	108
2297	Nickel-catalyzed and Li-mediated regioselective C-H arylation of benzothiophenes. Green Chemistry, 2020, 22, 3155-3161.	4.6	11
2298	Fluoro-alkyl substituted isothianaphthene bisimides as stable n-type semiconductors. Materials Chemistry Frontiers, 2020, 4, 3578-3584.	3.2	3
2299	All-covalently-implanted FETs with ultrahigh solvent resistibility and exceptional electrical stability, and their applications for liver cancer biomarker detection. Journal of Materials Chemistry C, 2020, 8, 7436-7446.	2.7	8
2300	Efficient synthesis of 3,6,13,16-tetrasubstituted-tetrabenzo[a,d,j,m]coronenes by selective C-H/C-O arylations of anthraquinone derivatives. Beilstein Journal of Organic Chemistry, 2020, 16, 544-550.	1.3	4
2301	Gold Catalysis Meets Materials Science - A New Approach to Extended Indolocarbazoles. Advanced Synthesis and Catalysis, 2021, 363, 549-557.	2.1	16
2302	Iminonitriles: Composite Functional Groups for Functionalization of Pyrene. Asian Journal of Organic Chemistry, 2021, 10, 262-272.	1.3	1
2303	Organic biosensors and bioelectronics. , 2021, , 501-530.		2
2304	Molecular cocrystal odyssey to unconventional electronics and photonics. Science Bulletin, 2021, 66, 512-520.	4.3	25
2305	Quantifying Planarity in the Design of Organic Electronic Materials. Angewandte Chemie - International Edition, 2021, 60, 1364-1373.	7.2	41

#	ARTICLE	IF	CITATIONS
2306	Thienylmethylene Oxindole Based Conjugated Polymers via Direct Arylation Polymerization and Their Electrochromic Properties. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021, 39, 147-153.	2.0	2
2307	Benzobisoxazole Cruciforms: A Cross-conjugated Platform for Designing Tunable Donor/Acceptor Materials. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 215-223.	1.3	6
2308	Morphology controllable conjugated network polymers based on AIE-active building block for TNP detection. <i>Chinese Chemical Letters</i> , 2021, 32, 1037-1040.	4.8	38
2309	Synthesis, crystal structure and charge transport characteristics of stable peri-tetracene analogues. <i>Chemical Science</i> , 2021, 12, 552-558.	3.7	14
2310	Cold Crystallization of the Organic n-Type Small Molecule Semiconductor 2-Decyl-7-phenyl-[1]benzothieno[3,2- <i>b</i>][1]benzothiophene <i>S</i> , <i>S</i> , <i>S</i> - S^2 , <i>S</i> - S^2 -Tetraoxide. <i>Crystal Growth and Design</i> , 2021, 21, 325-332.	1.4	8
2311	Isomers of $\text{B}\ddagger\text{N}$ -Fused Dibenzoazaacenes: How $\text{B}\ddagger\text{N}$ Affects Optoelectronic Properties and Device Behaviors?. <i>Chemistry - A European Journal</i> , 2021, 27, 4364-4372.	1.7	22
2312	Uncovering the unusual effect of halogenation on crystal packing in an azzaacee-based electron transporting material. <i>Materials Chemistry and Physics</i> , 2021, 259, 124060.	2.0	2
2313	Linking Glass-Transition Behavior to Photophysical and Charge Transport Properties of High-Mobility Conjugated Polymers. <i>Advanced Functional Materials</i> , 2021, 31, 2007359.	7.8	26
2314	Persistent Conjugated Backbone and Disordered Lamellar Packing Impart Polymers with Efficient n -Doping and High Conductivities. <i>Advanced Materials</i> , 2021, 33, e2005946.	11.1	99
2315	A Solution Processable Dithioalkyl Dithienothiophene (DSDTT) Based Small Molecule and Its Blends for High Performance Organic Field Effect Transistors. <i>ACS Nano</i> , 2021, 15, 727-738.	7.3	21
2316	Recent explorations of palladium-catalyzed regioselective aromatic extension processes. <i>Tetrahedron Letters</i> , 2021, 62, 152670.	0.7	6
2317	Selective Synthesis of Benzothiophene-Fused Polycyclic, Eight-Membered N -Heterocycles via Amine-Mediated Three-Component Domino Strategy. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1081-1087.	2.1	7
2318	Pyridinic Nanographenes by Novel Precursor Design. <i>Chemistry - A European Journal</i> , 2021, 27, 1984-1989.	1.7	16
2319	Azide Radical Initiated Ring Opening of Cyclopropenes Leading to Alkenyl Nitriles and Polycyclic Aromatic Compounds. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4075-4079.	7.2	22
2320	Copper Tetracyanoquinodimethane: From Micro/Nanostructures to Applications. <i>Small</i> , 2021, 17, e2004143.	5.2	9
2321	Side-chain engineering as a powerful tool to tune the properties of polymeric field-effect transistors. <i>Polymer Reviews</i> , 2021, 61, 520-552.	5.3	13
2322	Enthalpically and Entropically Favorable Self-Assembly: Synthesis of C_{4h} -Symmetric Tetraazatetrathia[8]circulenes by Regioselective Introduction of Pyridine Rings. <i>Chemistry - A European Journal</i> , 2021, 27, 5675-5682.	1.7	3
2323	Effect of Alkyl Chain Length on Charge Transport Property of Anthracene-Based Organic Semiconductors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 989-998.	4.0	16

#	ARTICLE	IF	CITATIONS
2324	Acceptor-acceptor-type conjugated polymer semiconductors. <i>Journal of Energy Chemistry</i> , 2021, 59, 364-387.	7.1	28
2325	Enhancement of air-stability, π -stacking ability, and charge transport properties of fluoroalkyl side chain engineered n-type naphthalene tetracarboxylic diimide compounds. <i>RSC Advances</i> , 2021, 11, 57-70.	1.7	9
2326	Influences of the number of 2-ethylhexylamine chain substituents on electron transport characteristics of core-substituted naphthalene diimide analogues. <i>New Journal of Chemistry</i> , 2021, 45, 1590-1600.	1.4	5
2327	Cocrystal Engineering: Toward Solution-Processed Near-Infrared 2D Organic Cocrystals for Broadband Photodetection. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6344-6350.	7.2	43
2328	Control of Molecular Orientation in Organic Semiconductors Using Weak Iodine-Iodine Interactions. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 111-116.	2.1	8
2329	Twofold C-H Activation Enables Synthesis of a Diazacoronene-Type Fluorophore with Near Infrared Emission Through Isosteric Replacement. <i>Chemistry - A European Journal</i> , 2021, 27, 2753-2759.	1.7	10
2330	Catalyst-Free Synthesis of O-Heteroacenes by Ladderization of Fluorinated Oligophenylenes. <i>Angewandte Chemie</i> , 2021, 133, 5259-5263.	1.6	1
2331	Synthesis and derivatization of hetero-buckybowls. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 101-122.	1.5	22
2332	Quantifying Planarity in the Design of Organic Electronic Materials. <i>Angewandte Chemie</i> , 2021, 133, 1384-1393.	1.6	1
2333	Research progress of rubrene as an excellent multifunctional organic semiconductor. <i>Frontiers of Physics</i> , 2021, 16, 1.	2.4	14
2334	Theoretical rationale for the role of the strong halogen bond in the design and synthesis of organic semiconductor materials. <i>Computational and Theoretical Chemistry</i> , 2021, 1194, 113074.	1.1	7
2335	The evaluation of surface topography changes in nanoscaled 2,6-diphenyl anthracene thin films by atomic force microscopy. <i>Microscopy Research and Technique</i> , 2021, 84, 89-100.	1.2	3
2336	Synthesis and Optoelectronic Properties of a Quinoxalino-Phenanthrophenazine (QPP) Extended Tribenzotriquinacene (TBTQ). <i>Chemistry - A European Journal</i> , 2021, 27, 2043-2049.	1.7	10
2337	B π -N π -Incorporated Dibenzoazaacene with Selective Near-Infrared Absorption and Visible Transparency. <i>Chemistry - A European Journal</i> , 2021, 27, 2065-2071.	1.7	12
2338	Catalyst-Free Synthesis of O-Heteroacenes by Ladderization of Fluorinated Oligophenylenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5199-5203.	7.2	16
2339	Flexible Electrochemical Biosensors for Health Monitoring. <i>ACS Applied Electronic Materials</i> , 2021, 3, 53-67.	2.0	75
2340	Exploring the effect of the spacer structure in the heterocyclic ring-fused isoindigo-based conjugated polymer on the charge-transporting property. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	2
2341	Noise-Based Simulation Technique for Circuit-Variability Analysis. <i>IEEE Journal of the Electron Devices Society</i> , 2021, 9, 450-455.	1.2	3

#	ARTICLE	IF	CITATIONS
2342	Magnetically induced ring currents in naphthalene-fused heteroporphyrinoids. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 16629-16634.	1.3	2
2343	Anion-dependent structural variations and charge transport property analysis of 4-(3-pyridyl)-4,2,6-terpyridinium salts. <i>CrystEngComm</i> , 2021, 23, 3569-3581.	1.3	5
2344	Effect of molecular geometry and extended conjugation on the performance of hydrogen-bonded semiconductors in organic thin-film field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10819-10829.	2.7	5
2345	Quinolinophenothiazine as an electron rich fragment for high efficiency RGB single-layer phosphorescent organic light-emitting diodes. <i>Materials Chemistry Frontiers</i> , 2021, 5, 8066-8077.	3.2	9
2346	Design strategies for improving the crystallinity of covalent organic frameworks and conjugated polymers: a review. <i>Materials Horizons</i> , 2022, 9, 121-146.	6.4	51
2347	Disila- and digermabenzene. <i>Chemical Science</i> , 2021, 12, 6507-6517.	3.7	6
2348	Novel organic semiconductors based on 2-amino-anthracene: Synthesis, charge transport and photo-conductive properties. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13885-13894.	1.3	1
2349	The mechanism of conversion of substituted glycals to chiral acenes via Diels-Alder reaction: a computational study. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6353-6367.	1.5	1
2350	Theoretical insights on tunable optoelectronics and charge mobilities in cyano-perylenediimides: interplays between CN numbers and positions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 14687-14698.	1.3	10
2351	Impact of chirality on the aggregation modes of L-phenylalanine- and D-glucose-decorated phenylene-thiophene oligomers. <i>New Journal of Chemistry</i> , 2021, 45, 12016-12023.	1.4	14
2352	The substituent effect on the photophysical and charge transport properties of non-planar dibenzo[a,m]rubicenes. <i>New Journal of Chemistry</i> , 2021, 45, 20556-20568.	1.4	2
2353	Pyrene-1,5,6,10-tetracarboxyl diimide: a new building block for high-performance electron-transporting polymers. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7599-7606.	2.7	14
2354	Ultra-thin two-dimensional molecular crystals grown on a liquid surface for high-performance phototransistors. <i>Chemical Communications</i> , 2021, 57, 2669-2672.	2.2	11
2355	Significant Influence of Molecular Packing in Aggregates on Optoelectronic Properties. <i>Acta Chimica Sinica</i> , 2021, 79, 575.	0.5	19
2356	Cocrystal engineering of molecular rearrangement: a return-on approach for high-performance N-type organic semiconductors. <i>Journal of Materials Chemistry C</i> , 0, .	2.7	10
2357	Friedel-Crafts acylation of antiaromatic norcorroles: electronic and steric modulation of the paratropic current. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3639-3652.	2.3	7
2358	A pyridinium-pended conjugated polyelectrolyte for efficient photocatalytic hydrogen evolution and organic solar cells. <i>Polymer Chemistry</i> , 2021, 12, 1498-1506.	1.9	12
2359	Assembly of polycyclic N-heterocycles via copper-catalyzed cycloamination of indolylquinones and aromatic amines. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4593-4598.	1.5	6

#	ARTICLE	IF	CITATIONS
2360	Crystal Engineering of Sterically Shielded Hexa-peri-hexabenzocoronenes. <i>Australian Journal of Chemistry</i> , 2021, 74, 564.	0.5	0
2361	Benzannulation strategies for the synthesis of carbazoles, indolocarbazoles, benzocarbazoles, and carbolines. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2710-2771.	2.3	52
2362	Azide Radical Initiated Ring Opening of Cyclopropenes Leading to Alkenyl Nitriles and Polycyclic Aromatic Compounds. <i>Angewandte Chemie</i> , 2021, 133, 4121-4125.	1.6	4
2363	New π -stacking motifs for molecular semiconducting materials: bis(bis(8-quinolinyl)amide)metal(κ^2) complexes of Cr, Mn, Fe, and Zn. <i>Materials Advances</i> , 2021, 2, 2347-2357.	2.6	1
2364	Thiophene-Fused Naphthodiphospholes: Modulation of the Structural and Electronic Properties of Polycyclic Aromatics by Precise Fusion of Heteroles. <i>ChemPlusChem</i> , 2021, 86, 130-136.	1.3	2
2365	Dithienocoronene diimide (DTCDI)-derived triads for high-performance air-stable, solution-processed balanced ambipolar organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 16357-16365.	1.3	2
2366	The origin of supramolecular chirality in 1-ferrocenyl amino acids. <i>Dalton Transactions</i> , 2021, 50, 9695-9699.	1.6	2
2367	π -N-Oxide π -O chalcogen bonding in conjugated materials. <i>Chemical Science</i> , 2021, 12, 2304-2312.	3.7	17
2368	Dehydrogenative π heterocyclization under visible light irradiation and mechanistic insights. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3788-3795.	2.3	2
2369	Transforming electron-rich hetero-buckybowls into electron-deficient polycycles. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4767-4776.	2.3	9
2370	Electron Mobility of Diketopyrrolopyrrole Copolymers Is Robust against Homocoupling Defects. <i>Chemistry of Materials</i> , 2021, 33, 668-677.	3.2	11
2371	High-performance polymer field-effect transistors: from the perspective of multi-level microstructures. <i>Chemical Science</i> , 2021, 12, 1193-1205.	3.7	54
2372	An attempt to synthesize a terthienyl-based analog of indacenedithiophene (IDT): unexpected synthesis of a naphtho[2,3- b]thiophene derivative. <i>RSC Advances</i> , 2021, 11, 9894-9900.	1.7	1
2373	Meso-functionalization of calix[4]arene with 1,3,7-triazapyrene in the design of novel fluorophores with the dual target detection of Al^{3+} and Fe^{3+} cations. <i>RSC Advances</i> , 2021, 11, 6407-6414.	1.7	6
2374	The effect of asymmetric external reorganization energy on electron and hole transport in organic semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 15236-15244.	1.3	4
2375	Crystal structure prediction of energetic materials and a twisted arene with Genarris and Gator. <i>CrystEngComm</i> , 2021, 23, 6023-6038.	1.3	15
2376	Adenine-based polymer modified zinc oxide for efficient inverted organic solar cells. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11851-11858.	2.7	9
2377	Multiscale Charge Transport in van der Waals Thin Films: Reduced Graphene Oxide as a Case Study. <i>ACS Nano</i> , 2021, 15, 2654-2667.	7.3	17

#	ARTICLE	IF	CITATIONS
2378	Mutually exclusive hole and electron transfer coupling in cross stacked acenes. <i>Chemical Science</i> , 2021, 12, 5064-5072.	3.7	14
2379	Performance optimization and fast rate capabilities of novel polymer cathode materials through balanced electronic and ionic transport. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5657-5663.	5.2	19
2380	High-Performance Organic Semiconducting Polymers by a Resonance-Assisted Hydrogen Bonding Approach. <i>Chemistry of Materials</i> , 2021, 33, 580-588.	3.2	31
2381	2D molecular crystal templated organic p-n heterojunctions for high-performance ambipolar organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5758-5764.	2.7	12
2382	Functionalized highly electron-rich redox-active electropolymerized 3,4-propylenedioxythiophenes as precursors and targets for bioelectronics and supercapacitors. <i>Molecular Systems Design and Engineering</i> , 2021, 6, 214-233.	1.7	11
2383	Electrically Conductive Coordination Polymers for Electronic and Optoelectronic Device Applications. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1612-1630.	2.1	55
2384	Lateral photovoltaic effect based on novel materials and external modulations. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 153003.	1.3	11
2385	Microcrystal Electron Diffraction Elucidates Water-Specific Polymorphism-Induced Emission Enhancement of Bis-arylacylhydrazone. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 7546-7555.	4.0	8
2386	Cocrystal Engineering: Toward Solution-Processed Near-Infrared 2D Organic Cocrystals for Broadband Photodetection. <i>Angewandte Chemie</i> , 2021, 133, 6414-6420.	1.6	5
2387	Synthesis and Photophysical Properties of Soluble N-Doped Rubicenes via Ruthenium-Catalyzed Transfer Hydrogenative Benzannulation. <i>Chemistry - A European Journal</i> , 2021, 27, 4898-4902.	1.7	9
2388	Structure-Property Relationship on Aggregation-Induced Enhanced Emission of the Spirobifluorene Derivatives including <i>Herringbone</i> , <i>T</i> , and Helical Aggregation Mode in Solid-Phase: Synthesis, Crystallography, Density Functional Theory, Optical, and Thermal Properties. <i>Journal of Physical Chemistry C</i> , 2021, 125, 4893-4908.	1.5	7
2389	Improving the Robustness of Organic Semiconductors through Hydrogen Bonding. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8620-8630.	4.0	13
2390	Synthesis of Benzothienobenzofurans via Annulation of Electrophilic Benzothiophenes with Phenols. <i>Organic Letters</i> , 2021, 23, 1814-1819.	2.4	16
2391	Imide-Functionalized Triarylamine-Based Donor-Acceptor Polymers as Hole Transporting Layers for High-Performance Inverted Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2100332.	7.8	38
2392	Synthesis and Evaluation of Charge Transport Property of Ethynylene-Bridged Anthracene Oligomers. <i>Macromolecular Chemistry and Physics</i> , 2021, 222, 2100024.	1.1	0
2393	Hydrogen Bonds Control Single-Chain Conformation, Crystallinity, and Electron Transport in Isoelectronic Diketopyrrolopyrrole Copolymers. <i>Chemistry of Materials</i> , 2021, 33, 2635-2645.	3.2	23
2394	Dithiophene-Fused Oxadiborepins and Azadiborepins: A New Class of Highly Fluorescent Heteroaromatics. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9290-9295.	7.2	29
2395	Butterfly-Like Shape Liquid Crystals Based Fused-Thiophene as Unidimensional Ambipolar Organic Semiconductors with High Mobility. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1106-1117.	1.7	16

#	ARTICLE	IF	CITATIONS
2396	Heterogenization of a Molecular Ni Catalyst within a Porous Macroligand for the Direct C-H Arylation of Heteroarenes. <i>ACS Catalysis</i> , 2021, 11, 3507-3515.	5.5	22
2397	Toward Highly Robust Nonvolatile Multilevel Memory by Fine Tuning of the Nanostructural Crystalline Solid-State Order. <i>Small</i> , 2021, 17, e2100102.	5.2	24
2398	Lead-Free Cs ₂ Sn ₆ Perovskites for Optoelectronic Applications: Recent Developments and Perspectives. <i>Solar Rrl</i> , 2021, 5, 2000830.	3.1	25
2400	Oriented Conjugated Copolymer Films with Controlled Crystal Forms and Molecular Stacking Modes for Enhanced Charge Transport and Photoresponsivity. <i>ACS Applied Polymer Materials</i> , 2021, 3, 2098-2108.	2.0	9
2401	Butterfly Mesogens Based on Carbazole, Fluorene or Fluorenone: Mesomorphous, Gelling, Photophysical, and Photoconductive Properties. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1989-2002.	1.2	14
2402	Self-Assembly of a Semiconductive and Photoactive Heterobimetallic Metal-Organic Capsule. <i>Angewandte Chemie</i> , 2021, 133, 10610-10614.	1.6	7
2403	Self-Assembly of a Semiconductive and Photoactive Heterobimetallic Metal-Organic Capsule. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10516-10520.	7.2	30
2404	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
2405	One-Pot Synthesis of 3-Halo-2-organochalcogenylbenzo[<i>b</i>]chalcogenophenes from 1-(2,2-dibromovinyl)-2-organochalcogenylbenzenes. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2610-2618.	2.1	6
2407	Dithiophene-Fused Oxadiborepins and Azadiborepins: A New Class of Highly Fluorescent Heteroaromatics. <i>Angewandte Chemie</i> , 2021, 133, 9376-9381.	1.6	7
2408	Tackling Solubility Issues in Organic Synthesis: Solid-State Cross-Coupling of Insoluble Aryl Halides. <i>Journal of the American Chemical Society</i> , 2021, 143, 6165-6175.	6.6	105
2409	Deciphering Benzene-Heterocycle Stacking Interaction Impact on the Electronic Structures and Photophysical Properties of Tetraphenylethene-Cored Foldamers. <i>CCS Chemistry</i> , 2022, 4, 286-303.	4.6	4
2410	Effect of Molecular Substitution and Isomerization on Charge-Transport Parameters in Molecular Organic Semiconductors. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2660-2667.	2.1	5
2411	Organic fluorescent nanoparticles using fluorophores synthesized from low-temperature calcination process. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 613, 126096.	2.3	3
2412	Revisiting Acepleiadylene: Two-Step Synthesis and π -Extension toward Nonbenzenoid Nanographene. <i>Journal of the American Chemical Society</i> , 2021, 143, 5314-5318.	6.6	34
2413	Cascade Oxidative C-H Annulation of Thiophenes: Heck-Type Pathway Enables Concise Access to Thienoacenes. <i>Angewandte Chemie</i> , 2021, 133, 12479-12483.	1.6	0
2414	Dielectric properties of ferroelectric diisopropylammonium iodide embedded in porous glass. <i>Ferroelectrics</i> , 2021, 575, 56-63.	0.3	0
2415	Cascade Oxidative C-H Annulation of Thiophenes: Heck-Type Pathway Enables Concise Access to Thienoacenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12371-12375.	7.2	12

#	ARTICLE	IF	CITATIONS
2416	High performance nonvolatile organic <scp>field-effect</scp> transistor memory devices based on pyrene diimide derivative. <i>Informa Mater</i> , 2021, 3, 814-822.	8.5	26
2418	Heptacene: Synthesis and Its Hole-Transfer Property in Stable Thin Films. <i>Chemistry - A European Journal</i> , 2021, 27, 10677-10684.	1.7	12
2421	Luminescence in Crystalline Organic Materials: From Molecules to Molecular Solids. <i>Advanced Optical Materials</i> , 2021, 9, 2002251.	3.6	146
2422	Controllable molecular doping in organic single crystals toward high-efficiency light-emitting devices. <i>Organic Electronics</i> , 2021, 91, 106089.	1.4	7
2423	1D Mixed-Stack Cocrystals Based on Perylene Diimide toward Ambipolar Charge Transport. <i>Small</i> , 2021, 17, e2006574.	5.2	19
2424	Conjugated Materials Derived From Boron-Chalcogenophene Combination. A Brief Description of Synthetic Routes and Optoelectronic Applications. <i>Chemical Record</i> , 2021, 21, 1738-1770.	2.9	14
2425	Synthesis and Characterization of 5,5-Bitetracene. <i>Chemistry Letters</i> , 2021, 50, 800-803.	0.7	1
2426	Synthesis of Conjugated Copolymer Containing Spirobifluorene Skeleton by Acyclic Diene Metathesis Polymerization for Polymer Light-Emitting Diode Applications. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 929-933.	1.0	8
2427	MWCNT/Thienothiophene based All-Organic thermoelectric composites: Enhanced performance by realigning of the Fermi level through doping. <i>Chemical Engineering Journal</i> , 2021, 409, 128294.	6.6	12
2428	Structure-Assembly-Property Relationships of Simple Ditopic Hydrogen-Bonding-Capable Conjugated Oligomers. <i>Organic Materials</i> , 2021, 03, 390-404.	1.0	2
2429	2D organic single crystals: Synthesis, novel physics, high-performance optoelectronic devices and integration. <i>Materials Today</i> , 2021, 50, 442-475.	8.3	32
2430	Scalable Single-Crystalline Organic 1D Arrays for Image Sensor. <i>Small</i> , 2021, 17, e2100332.	5.2	16
2431	Active discovery of organic semiconductors. <i>Nature Communications</i> , 2021, 12, 2422.	5.8	66
2432	Development of Selective Reactions Using Ball Milling. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2021, 79, 492-502.	0.0	1
2433	Low-Bandgap DPP-Based Quinoxaline with Extended EQE and Low Energy Loss for Efficient Polymer Solar Cells. <i>Journal of Electronic Materials</i> , 2021, 50, 4488-4496.	1.0	0
2434	An Angular Coumarinacene and Its Characteristics. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 1390-1394.	1.3	2
2435	Conjugated Coordination Polymers as Electrodes for Rechargeable Batteries. <i>ACS Applied Electronic Materials</i> , 2021, 3, 1947-1958.	2.0	25
2436	Alignment of linear polymeric grains for highly stable N-type thin-film transistors. <i>CheM</i> , 2021, 7, 1258-1270.	5.8	33

#	ARTICLE	IF	CITATIONS
2437	Acridino[2,1,9,8- <i>klmna</i>]acridine Bisimides: An Electron-Deficient π - π^* System for Robust Radical Anions and n-Type Organic Semiconductors. <i>Angewandte Chemie</i> , 2021, 133, 14179-14186.	1.6	11
2438	Multi-level aggregation of conjugated small molecules and polymers: from morphology control to physical insights. <i>Reports on Progress in Physics</i> , 2021, 84, 076601.	8.1	36
2439	Bandgap Engineering of an Aryl-Fused Tetrathianaphthalene for Visible-Blind Organic Field-Effect Transistors. <i>Frontiers in Chemistry</i> , 2021, 9, 698246.	1.8	2
2440	Synthesis of Spiro[benzo[<i>b</i>]thiophene-2(3H),1-cyclopropan]ones via Domino Reaction Between Thioaurones and Sulfur Ylides. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 1449-1453.	1.3	3
2441	Molecular Structure-Property Relationships of the Asymmetric Thienoacenes: Naphtho[2,3- <i>b</i>]thieno[2,3- <i>d</i>]thiophene, Anthra[2,3- <i>b</i>]thieno[2,3- <i>d</i>]thiophene, 0.7 and their Thieryl Derivatives. <i>ChemistrySelect</i> , 2021, 6, 4506-4510.	0.7	2
2442	Organic Light-Emitting Transistors Entering a New Development Stage. <i>Advanced Materials</i> , 2021, 33, e2007149.	11.1	99
2443	Greater than $10^2 \text{ cm}^{-2} \text{ V}^{-1} \text{ s}^{-1}$: A breakthrough of organic semiconductors for field-effect transistors. <i>Informa Mater</i> , 2021, 3, 613-630.	8.5	51
2444	Acridino[2,1,9,8- <i>klmna</i>]acridine Bisimides: An Electron-Deficient π - π^* System for Robust Radical Anions and n-Type Organic Semiconductors. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14060-14067.	7.2	33
2445	Structural investigations into a new polymorph of $\text{F}_{4\text{TCNQ}}$: towards enhanced semiconductor properties. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021, 77, 426-434.	0.2	2
2446	Thin Film Growth of a Charge Transfer Cocrystal (DCS/TFPA) for Ambipolar Thin Film Transistors. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2783-2789.	2.0	5
2447	Diversity-oriented synthesis of nanographenes enabled by dearomative annulative π -extension. <i>Nature Communications</i> , 2021, 12, 3940.	5.8	35
2448	Controlled Synthesis of Poly[(3-alkylthio)thiophene]s and Their Application to Organic Field-Effect Transistors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 31898-31909.	4.0	21
2449	Boron-Doped Polycyclic π -Electron Systems with an Antiaromatic Borole Substructure That Forms Photoresponsive B-P Lewis Adducts. <i>Journal of the American Chemical Society</i> , 2021, 143, 9944-9951.	6.6	70
2450	Molecular Doping Directed by a Neutral Radical. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29858-29865.	4.0	12
2451	Variability-Aware Characterization of Current Mirrors Based on Organic Thin-Film Transistors on Flexible Substrates. , 2021, , .		0
2452	Photoconductive Properties and Electronic Structure in 3,5-Disubstituted 2-(π^2 -Pyridyl)Pyrroles Coordinated to a Pd(II) Salicylideneimine Synthon. <i>Inorganic Chemistry</i> , 2021, 60, 9287-9301.	1.9	2
2453	Intermolecular Charge-Transfer-Induced Strong Optical Emission from Herringbone H-Aggregates. <i>Nano Letters</i> , 2021, 21, 5394-5400.	4.5	20
2454	Design and synthesis of two conjugated semiconductors containing quinoidal cyclopentadithiophene core. <i>Dyes and Pigments</i> , 2021, 190, 109336.	2.0	5

#	ARTICLE	IF	CITATIONS
2455	Progress in self-assemblies of macrocycles at the liquid/solid interface. <i>Nanotechnology</i> , 2021, 32, 382001.	1.3	6
2456	Epitaxial etching of organic single crystals. <i>Chinese Chemical Letters</i> , 2022, 33, 533-536.	4.8	3
2457	Ion-Gating Engineering of Organic Semiconductors toward Multifunctional Devices. <i>Advanced Functional Materials</i> , 2021, 31, 2102149.	7.8	13
2458	3,10-Diaryl Phenothiazines – One-pot Synthesis and Conformational Tuning of Ground and Excited State Electronics. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 3516-3527.	1.2	10
2459	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
2460	Helically Arranged Chiral Molecular Nanographenes. <i>Journal of the American Chemical Society</i> , 2021, 143, 11864-11870.	6.6	33
2461	Recent progress in 1,4-diazafluorene-cored optoelectronic materials: A review. <i>Dyes and Pigments</i> , 2021, 191, 109365.	2.0	9
2462	One-step Annulation/Chlorination towards Chlorinated Diphenanthro, Dibenzophenanthro, and Dichrysenothiophens. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 2251-2261.	1.3	5
2463	Temperature-triggered Supramolecular Assembly of Organic Semiconductors. <i>Advanced Materials</i> , 2022, 34, e2101487.	11.1	8
2464	Water Modulated Diastereoselective Synthesis of <i>cis</i> / <i>trans</i> -Spiro[indoline-3,6-naphtho[2,3- <i>c</i>]carbazoles]. <i>Journal of Organic Chemistry</i> , 2021, 86, 9263-9279.	1.7	17
2465	Conductive Ionenes Promote Interfacial Self-Doping for Efficient Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41810-41817.	4.0	18
2466	An ester functionalized wide bandgap polythiophene for organic field-effect transistors. <i>Synthetic Metals</i> , 2021, 277, 116767.	2.1	3
2467	Iron-catalysed regioselective thienyl C–H/C–H coupling. <i>Nature Catalysis</i> , 2021, 4, 631-638.	16.1	33
2468	Facile Functionalization Strategy for Ultrasensitive Organic Protein Biochips in Multi-Biomarker Determination. <i>Analytical Chemistry</i> , 2021, 93, 11305-11311.	3.2	12
2469	A Family of Superhelicenes: Easily Tunable, Chiral Nanographenes by Merging Helicity with Planar π Systems. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18073-18081.	7.2	48
2470	Modern History of Organic Conductors: An Overview. <i>Crystals</i> , 2021, 11, 838.	1.0	23
2471	Antiaromaticity–Aromaticity Interplay in Fused Benzenoid Systems Using Molecular Electrostatic Potential Topology. <i>Journal of Physical Chemistry A</i> , 2021, 125, 5999-6012.	1.1	10
2472	Saddle-shaped Building Blocks: A New Concept for Designing Fully Conjugated 3D Organic Semiconducting Materials. <i>Chemistry - A European Journal</i> , 2021, 27, 12012-12018.	1.7	11

#	ARTICLE	IF	CITATIONS
2473	Single Crystal Growth of π -Conjugated Large Molecules without Solubilizing Alkyl Chains via the Naphthalene Flux Method. <i>Crystal Growth and Design</i> , 2021, 21, 4683-4689.	1.4	6
2474	Organic Diode Laser Dynamics: Rate-Equation Model, Reabsorption, Validation and Threshold Predictions. <i>Photonics</i> , 2021, 8, 279.	0.9	3
2476	Synthesis and Absorption Properties of Long Acenoacenes. <i>Chemistry - A European Journal</i> , 2021, 27, 12388-12394.	1.7	2
2477	A Family of Superhelicenes: Easily Tunable, Chiral Nanographenes by Merging Helicity with Planar π Systems. <i>Angewandte Chemie</i> , 2021, 133, 18221-18229.	1.6	15
2478	Modulating the middle and end-capped units of A2-A1-D-A1-A2 type non-fullerene acceptors for high VOC organic solar cells. <i>Organic Electronics</i> , 2021, 95, 106195.	1.4	11
2479	Redox-Divergent Construction of (Dihydro)thiophenes with DMSO. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24284-24291.	7.2	17
2480	Small molecule semiconductors based on hemi-isoindigo and diketopyrrolopyrrole for solution-processed organic field-effect transistors. <i>Synthetic Metals</i> , 2021, 278, 116833.	2.1	1
2481	Statistical and block conjugated polymers for bulk heterojunction solar cells: Molecular orientation, charge transfer dynamics and device performance. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 270, 115225.	1.7	1
2482	Improving the field-effect transistor performance of (E)-1,2-di(thiophen-2-yl)ethenyl-co-naphthalenyl-based polymers by introducing alkoxy sidechains. <i>Synthetic Metals</i> , 2021, 278, 116801.	2.1	1
2483	Molecular orientation, anisotropic electron transport and photovoltaic properties of ladder-type heteroheptacene-based semiconductors. <i>Chemical Engineering Journal</i> , 2021, 418, 129497.	6.6	14
2484	Solvent Effects on Linear and Multi-branched Bithiazole-based Derivatives Fluorescence Studied by Steady-state and Time-resolved Spectroscopy. <i>Russian Journal of Physical Chemistry A</i> , 2021, 95, 1641-1645.	0.1	0
2485	NIR-Fluorescent Brightness Promoted by α -Ring Fusion for the Detection of Intestinal Inflammation. <i>Chemistry - A European Journal</i> , 2021, 27, 13085-13091.	1.7	18
2486	A nonchlorinated solvent-processed polymer semiconductor for high-performance ambipolar transistors. <i>National Science Review</i> , 2022, 9, nwab145.	4.6	5
2487	Architecting Layered Crystalline Organic Semiconductors Based on Unsymmetric π -Extended Thienoacenes. <i>Chemistry of Materials</i> , 2021, 33, 7379-7385.	3.2	26
2488	Redox-Divergent Construction of (Dihydro)thiophenes with DMSO. <i>Angewandte Chemie</i> , 2021, 133, 24486-24493.	1.6	2
2489	En Route to Wide Area Emitting Organic Light-Emitting Transistors for Intrinsic Drive-Integrated Display Applications: A Comprehensive Review. <i>Advanced Functional Materials</i> , 2021, 31, 2105506.	7.8	10
2490	New indolo[1,2-a]quinazolines for single-crystal field-effect transistor: A united experimental and theoretical studies. <i>Journal of Physical Organic Chemistry</i> , 2021, 34, e4276.	0.9	2
2491	Imidazole-Functionalized Imide Interlayers for High Performance Organic Solar Cells. <i>ACS Energy Letters</i> , 2021, 6, 3228-3235.	8.8	64

#	ARTICLE	IF	CITATIONS
2492	BN/BO-Ullazines and Bis-BO-Ullazines: Effect of BO Doping on Aromaticity and Optoelectronic Properties. <i>Journal of Organic Chemistry</i> , 2021, 86, 12507-12516.	1.7	13
2493	Davis Computational Spectroscopy Workflowâ€”From Structure to Spectra. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 4486-4496.	2.5	4
2494	Boron-Doped Î±-Oligo- and Polyfurans: Highly Luminescent Hybrid Materials, Color-Tunable through the Doping Density. <i>Macromolecules</i> , 2021, 54, 7653-7665.	2.2	17
2495	Janus luminogens with bended intramolecular charge transfer: Toward molecular transistor and brain imaging. <i>Matter</i> , 2021, 4, 3286-3300.	5.0	12
2496	Materials Chemistry, Device Engineering, and Promising Applications of Polymer Transistors. <i>Chemistry of Materials</i> , 2021, 33, 7572-7594.	3.2	10
2497	Organic Semiconductor Single Crystals for X-ray Imaging. <i>Advanced Materials</i> , 2021, 33, e2104749.	11.1	43
2498	Emerging Carbonyl Polymers as Sustainable Electrode Materials for Lithium-Free Metal-Ion Batteries. <i>Energy and Environmental Materials</i> , 2022, 5, 1037-1059.	7.3	18
2499	Controlled Growth and Self-Assembly of Multiscale Organic Semiconductor. <i>Advanced Materials</i> , 2022, 34, e2102811.	11.1	24
2500	Organophosphine-Sandwiched Copper Iodide Cluster Enables Charge Trapping. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24894-24900.	7.2	17
2501	Ambient instability of organic field-effect transistors and their improvement strategies. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 053001.	1.3	8
2502	Butterfly-Like Triarylaminines with High Hole Mobility and On/Off Ratio in Bottom-Gated OFETs. <i>Chemistry - A European Journal</i> , 2021, 27, 15375-15381.	1.7	9
2503	Efficient synthesis of polyfunctionalized carbazoles and pyrrolo[3,4 <i>b</i>]carbazoles via domino Diels-Alder reaction. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 2425-2432.	1.3	6
2504	Cycloparaphenylene Double NanoHoop: Structure, Lamellar Packing, and Encapsulation of C ₆₀ in the Solid State. <i>Organic Letters</i> , 2021, 23, 7943-7948.	2.4	22
2505	Tracking Ultrafast Fluorescence Switch-On and Color-Tuned Dynamics in Acceptor-Donor-Acceptor Chromophore. <i>Journal of Physical Chemistry B</i> , 2021, 125, 10796-10804.	1.2	8
2506	Optical Waveguide and Photoluminescent Polarization in Organic Cocrystal Polymorphs. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9233-9238.	2.1	20
2507	Incorporation of hydrogen-bonding units into polymeric semiconductors toward boosting charge mobility, intrinsic stretchability, and self-healing ability. <i>SmartMat</i> , 2021, 2, 347-366.	6.4	37
2508	Chain engineering of carbonyl polymers for sustainable lithium-ion batteries. <i>Materials Today</i> , 2021, 50, 170-198.	8.3	36
2509	Domino Reaction for Synthesis of Spiro[pyrazole-4,5-pyrrolo[3,4 <i>b</i>]carbazoles] and Spiro[pyrrolo[3,4 <i>b</i>]carbazole-5,5-thiazoles]. <i>Asian Journal of Organic Chemistry</i> , 0, , .	1.3	0

#	ARTICLE	IF	CITATIONS
2510	Organophosphineâ€•Sandwiched Copper Iodide Cluster Enables Charge Trapping. <i>Angewandte Chemie</i> , 0, , .	1.6	0
2511	Synthesis of Î€-extended oxacenes and their application to organic field-effect transistors. <i>Organic Electronics</i> , 2022, 100, 106335.	1.4	4
2512	Azepineâ€•or Azocineâ€•Embedded Hexabenzocoronene Derivatives as Nitrogenâ€•Doped Saddle or Saddleâ€•Helix Nanographenes. <i>Angewandte Chemie</i> , 2021, 133, 24683-24688.	1.6	3
2513	Synthesis of Î€-Extended Heterocycles via Rh(III)-Catalyzed Oxidative Annulation of 5-Aryl Pyrazinones with Alkynes. <i>Journal of Organic Chemistry</i> , 2021, 86, 16349-16360.	1.7	6
2514	Facile and Convergent Synthesis of Highly Fused Oligosiloles by Rhodiumâ€•Catalyzed Stitching Reaction. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4824-4827.	1.2	3
2515	Synthesis and tailored properties of covalent organic framework thin films and heterostructures. <i>Materials Today</i> , 2021, 51, 427-448.	8.3	24
2516	Azepineâ€•or Azocineâ€•Embedded Hexabenzocoronene Derivatives as Nitrogenâ€•Doped Saddle or Saddleâ€•Helix Nanographenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24478-24483.	7.2	26
2517	Quinoxalinophenanthrophenazine Based Cruciforms. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4816-4823.	1.2	4
2518	Synthesis of Conjugated Polymers via Transition Metal Catalysed CâˆH Bond Activation. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2896-2919.	1.7	12
2519	Domino Dehydrative Î€â€•Extension: A Facile Path to Extended Perylenes and Terrylenes. <i>Chemistry - A European Journal</i> , 2021, 27, 17322-17325.	1.7	4
2520	Controlled recrystallization from the melt of the organic n-type small molecule semiconductor 2-decyl-7-phenyl-[1]benzothieno[3,2-b][1]benzothiophene S,S,Sâ€²,Sâ€²-tetraoxide. <i>Journal of Crystal Growth</i> , 2021, 572, 126255.	0.7	1
2521	Ag mesh network framework based nano composite for transparent conductive functional electrodes for capacitive touch sensor and thin film heater. <i>Ceramics International</i> , 2021, 47, 27230-27240.	2.3	13
2522	Research Progress of Intramolecular Î€â€•Stacked Small Molecules for Device Applications. <i>Advanced Materials</i> , 2022, 34, e2104125.	11.1	93
2523	Side-chain tailoring of benzodithiophene derivatives as hole-transporting materials for stable perovskite solar cells. <i>Dyes and Pigments</i> , 2021, 195, 109718.	2.0	3
2524	State of the art two-dimensional covalent organic frameworks: Prospects from rational design and reactions to applications for advanced energy storage technologies. <i>Coordination Chemistry Reviews</i> , 2021, 447, 214152.	9.5	73
2525	Interface engineering of gate dielectrics with multifunctional self-assembled monolayers in copper phthalocyanine based organic field-effect transistors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 273, 115397.	1.7	11
2526	BN-Substituted coronene diimide donorâ€•acceptorâ€•donor triads: photophysical, (spectro)-electrochemical studies and Lewis behavior. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13926-13934.	2.7	10
2527	Efficient Synthesis of Polycyclic Aromatic Hydrocarbons Using Unreactive Bonds. , 2021, , 189-201.		0

#	ARTICLE	IF	CITATIONS
2528	Amplified spontaneous emission from oligo(<i>p</i> -phenylenevinylene) derivatives. <i>Materials Advances</i> , 2021, 2, 3906-3914.	2.6	7
2529	Synthesis of π -Conjugated Polymers Containing Benzotriazole Units via Palladium-Catalyzed Direct C-H Cross-Coupling Polycondensation for OLEDs Applications. <i>Polymers</i> , 2021, 13, 254.	2.0	12
2530	The effect of electron-withdrawing substituents in asymmetric anthracene derivative semiconductors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4217-4222.	2.7	6
2531	Simultaneous Incorporation of Two Types of Azo-Groups in the Side Chains of a Conjugated D π A Polymer for Logic Control of the Semiconducting Performance by Light Irradiation. <i>Advanced Materials</i> , 2021, 33, e2005613.	11.1	23
2532	Synthesis and properties of fluorinated π -conjugated polymers via Pd-catalyzed direct C-H/C-H coupling polymerization. <i>Journal of Polymer Science</i> , 2021, 59, 240-250.	2.0	9
2533	Suppression of dynamic disorder by electrostatic interactions in structurally close organic semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 15485-15491.	1.3	10
2534	An S-shaped thienoacene semiconductor forming unique cruciform lamellar packing <i>via</i> a 2D interaction network of π -stacking and chalcogen bonding. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13090-13093.	2.7	3
2535	Transport of charge carriers and optoelectronic applications of highly ordered metal phthalocyanine heterojunction thin films. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 9631-9642.	1.3	6
2536	Bis-isatin based polymers with tunable energy levels for organic field-effect transistor applications. <i>Polymer Chemistry</i> , 2021, 12, 2317-2324.	1.9	8
2537	Effect of electron-withdrawing groups on molecular properties of naphthyl and anthryl bithiophenes as potential n-type semiconductors. <i>New Journal of Chemistry</i> , 2021, 45, 9794-9804.	1.4	12
2538	Wide-bandgap organic nanocrystals with high mobility and tunable lasing emission. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3171-3176.	2.7	8
2539	Rh(III)-Catalysed synthesis of cinnolinium and fluoranthemium salts using C-H activation/annulation reactions: organelle specific mitochondrial staining applications. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 5413-5425.	1.5	5
2540	Electrooxidative double C-H/C-H coupling of phenols with 3-phenylbenzothiophenes: facile access to benzothiophene derivatives. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7156-7160.	1.5	4
2541	Advances in materials and devices for mimicking sensory adaptation. <i>Materials Horizons</i> , 2022, 9, 147-163.	6.4	14
2542	Challenges in the synthesis of corannulene-based non-planar nanographenes on Au(111) surfaces. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10845-10851.	1.3	2
2543	U-Shaped Heteroacenes Embedded with Heavy Chalcogen Atoms: Unique Bilayer Self-Organization of Crooked π -Cores Enabling Efficient Charge Transport. <i>Advanced Electronic Materials</i> , 2021, 7, 2001052.	2.6	7
2544	n-Type organic semiconducting polymers: stability limitations, design considerations and applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 8099-8128.	2.7	123
2546	Self-Assembling Azaindole Organogel for Organic Light-Emitting Devices (OLEDs). <i>Advanced Functional Materials</i> , 2017, 27, 1702176.	7.8	15

#	ARTICLE	IF	CITATIONS
2547	Single-Molecular White-Light Emitters and Their Potential WOLED Applications. <i>Advanced Materials</i> , 2020, 32, e1903269.	11.1	185
2548	High-Performance Nonvolatile Organic Field-Effect Transistor Memory Based on Organic Semiconductor Heterostructures of Pentacene/P13/Pentacene as Both Charge Transport and Trapping Layers. <i>Advanced Science</i> , 2017, 4, 1700007.	5.6	74
2549	Thienoisindigo (TII)-Based Quinoidal Small Molecules for High-Performance n-Type Organic Field Effect Transistors. <i>Advanced Science</i> , 2021, 8, 2002930.	5.6	28
2550	An Asymmetric Furan/Thieno[3,2- <i>b</i>]Thiophene Diketopyrrolopyrrole Building Block for Annealing-Free Green-Solvent Processable Organic Thin-Film Transistors. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800225.	2.0	28
2551	Poly(thiophene)s. , 2014, , 1-15.		1
2552	Chemical Bonding and Aromaticity in Poly-heterocyclic Compounds. <i>Topics in Heterocyclic Chemistry</i> , 2014, , 161-187.	0.2	12
2553	Unveiling Charge Carrier Transport in π -Conjugated Molecular Wire on Micro- and Macroscopic Scales. , 2015, , 605-620.		2
2554	Recent advances of dithienobenzodithiophene-based organic semiconductors for organic electronics. <i>Science China Chemistry</i> , 2021, 64, 358-384.	4.2	30
2555	Fine-tuning head-to-head bithiophene-difluorobenzothiadiazole polymers for photovoltaics via side-chain engineering. <i>Organic Electronics</i> , 2019, 68, 135-142.	1.4	5
2556	Defining Direct Orbital Pathways for Intermolecular Electron Transfer Using Sensitized Semiconducting Surfaces. <i>Inorganic Chemistry</i> , 2020, 59, 14696-14705.	1.9	2
2557	Crystallization Behavior of Copper Tetra- <i>tert</i> -butylporphyrazine in Ultrathin Films. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24171-24178.	1.5	2
2558	Designing Organic Semiconductors with Ultrasmall Reorganization Energies: Insights from Molecular Symmetry, Aromaticity and Energy Gap. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4548-4553.	2.1	25
2559	Polymorphism-Dependent Enhanced Emission in Molecular Aggregates: J-Aggregate versus X-Aggregate. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10504-10510.	2.1	29
2560	Fine-Tuning of Crystal Packing and Charge Transport Properties of BDOPV Derivatives through Fluorine Substitution. <i>Journal of the American Chemical Society</i> , 2015, 137, 15947-15956.	6.6	224
2561	Understanding the sodium storage mechanisms of organic electrodes in sodium ion batteries: issues and solutions. <i>Energy and Environmental Science</i> , 2020, 13, 1568-1592.	15.6	140
2562	Triphenylamine-imidazole-based luminophores for deep-blue organic light-emitting diodes: experimental and theoretical investigations. <i>Materials Advances</i> , 2020, 1, 666-679.	2.6	27
2563	Vapochromism induced by intermolecular electron transfer coupled with hydrogen-bond formation in zinc dithiolene complex. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14939-14947.	2.7	11
2564	Charge-transport properties of 4-(1,2,2-triphenylvinyl)aniline salicylaldehyde hydrazone: tight-packing induced molecular 'hardening'. <i>IUCr</i> , 2017, 4, 695-699.	1.0	7

#	ARTICLE	IF	CITATIONS
2565	Imaging layers in thin-film molecular devices by transmission electron microscopy, using milling by focused ion beams and deposition on NaCl and Si. <i>Canadian Journal of Chemistry</i> , 2020, 98, 582-588.	0.6	2
2566	Direct Arylation Polymerization: A Green, Streamlining Synthetic Approach to π -conjugated Polymers. <i>Current Organic Chemistry</i> , 2013, 17, 999-1012.	0.9	50
2567	Recent Progress in the Synthesis and Applications of Azaacenes. <i>Current Organic Chemistry</i> , 2020, 24, 885-899.	0.9	8
2568	Palladium-Catalyzed Cascade Reactions for Annulative π -Extension of Indoles to Carbazoles through C-H Bond Activation. <i>Current Organic Chemistry</i> , 2020, 24, 2612-2633.	0.9	8
2569	Electronic Characters and Synthesis Method of Novel Conjugated System Based on Benzodithiophene Groups. <i>Mini-Reviews in Organic Chemistry</i> , 2019, 16, 216-227.	0.6	5
2571	Multi-Stimuli-Responsive Field-Effect Transistor with Conjugated Polymer Entailing Spiropyran in the Side Chains. <i>CCS Chemistry</i> , 2020, 2, 632-641.	4.6	12
2572	Xanthates and Vinyl Esters, a Remarkably Powerful Alliance. <i>Heterocycles</i> , 2019, 99, 742.	0.4	7
2573	A co-crystallization strategy toward high-performance n-type organic semiconductors through charge transport switching from p-type planar azaacene derivatives. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2757-2762.	2.7	4
2574	Organic co-crystal semiconductors: a crystal engineering perspective. <i>CrystEngComm</i> , 2021, 23, 8007-8026.	1.3	28
2575	Halogen bonding vs. π -stacking interactions in new bis(acenaphthylene)dione semiconductors. <i>CrystEngComm</i> , 0, , .	1.3	1
2576	Tuning the aggregation behaviour of BN-coronene diimides with imide substituents and their performance in devices (OLEDs and OFETs). <i>Journal of Materials Chemistry C</i> , 2021, 9, 14720-14729.	2.7	25
2577	Biradicals in main group chemistry: Synthesis, electronic structure, and application in small-molecule activation. , 2023, , 165-233.		8
2578	Structural characterization of π -DH6T monolayer films grown at the liquid-liquid interface. <i>Soft Matter</i> , 2021, 17, 9765-9771.	1.2	3
2579	Ruthenium-catalysed chemoselective alkylation of nitroarenes with alkanols. <i>Organic Chemistry Frontiers</i> , 2021, 8, 6710-6719.	2.3	8
2580	Copper-catalyzed synthesis of 1-(2-benzofuryl)-N-heteroarenes from <i>o</i> -hydroxy- <i>gem</i> -(dibromovinyl)benzenes and N-heteroarenes. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 9076-9080.	1.5	4
2581	Synthesis of Dumbbell-Like DBATT Dimers**. <i>ChemistrySelect</i> , 2021, 6, 10671-10673.	0.7	0
2582	Initiating Electron Transfer in Doubly Curved Nanographene Upon Supramolecular Complexation of C_{60} . <i>Angewandte Chemie</i> , 2022, 134, .	1.6	9
2583	Controlled Assembly of Conjugated Ladder Molecules with Different Bridging Structures toward Optoelectronic Application. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 50197-50205.	4.0	3

#	ARTICLE	IF	CITATIONS
2584	Polymer-Assisted Space-Confined Strategy for the Foot-Scale Synthesis of Flexible Metal-Organic Framework-Based Composite Films. <i>Journal of the American Chemical Society</i> , 2021, 143, 17526-17534.	6.6	17
2585	Origin of Intense Luminescence from Supramolecular 2D Molecular Crystals. <i>Small</i> , 2021, 17, e2103212.	5.2	5
2586	Initiating Electron Transfer in Doubly Curved Nanographene Upon Supramolecular Complexation of C ₆₀ . <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	48
2587	Nanostructure-assisted solvent vapor annealing of conjugated polymer thin films for enhanced performance in volatile organic compound sensing. <i>Sensors and Actuators B: Chemical</i> , 2022, 351, 130951.	4.0	15
2588	Facile Synthesis of Thienoacenes via Transition-Metal-Free Ladderization. <i>Journal of Organic Chemistry</i> , 2021, 86, 14759-14766.	1.7	7
2589	Applications of Electrospun Nanofibers. <i>SpringerBriefs in Materials</i> , 2013, , 75-139.	0.1	1
2590	Retrieval of Electronic Spectra of Charge Carriers in Organic Field-Effect Transistors from Charge Modulation Reflectance Spectra Distorted by Optical Interference. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 062401.	0.8	1
2591	SYNTHESIS OF CONJUGATED POLYMERS BASED ON DITHIENO[3,2-b:2',3'-d]PHOSPHOLE OXIDES AND THEIR APPLICATIONS IN THIN-FILM TRANSISTORS AND BULK HETEROJUNCTION SOLAR CELLS. <i>Acta Polymerica Sinica</i> , 2013, 013, 609-618.	0.0	0
2592	Organic TFTs: Vacuum-Deposited Small-Molecule Semiconductors. , 2014, , 1-19.		0
2593	Conductive Polymer Fibers for Sensor Devices. , 2014, , 1-15.		0
2594	Design, Synthesis and Their Application in Photodetectors of Conjugated Polymers Based on Anthraquinone Imide. <i>Acta Polymerica Sinica</i> , 2014, 014, 164-172.	0.0	0
2595	- Theoretical Modeling for Electron Transfer in Organic Materials. , 2014, , 20-51.		0
2596	Solvent effect on the excited state of stilbene dendrimers bearing phenylacetylene groups. <i>Rapid Communication in Photoscience</i> , 2014, 3, 85-87.	0.1	0
2597	Liquid Crystalline Semiconducting Polymers for Organic Field-Effect Transistor Materials. , 2015, , 417-436.		2
2598	BDOPV: A Strong Electron-Deficient Building Block for Polymer Field-Effect Transistors. <i>Springer Theses</i> , 2015, , 81-112.	0.0	0
2599	Side Chain Effects and Design of Isoindigo-Based Polymers. <i>Springer Theses</i> , 2015, , 23-57.	0.0	0
2600	Fabrication of Patchable Organic Lasing Sheets via Soft Lithography. <i>Clean Technology</i> , 2016, 22, 203-207.	0.1	0
2601	2D Spectroscopy of Pentacene Thin Films. <i>Springer Theses</i> , 2017, , 33-58.	0.0	0

#	ARTICLE	IF	CITATIONS
2602	Fused Polycyclic Aromatic Compounds: [n]Acenes, [n]Helicenes, and Their Heterocyclic Analogues. , 2017, , 25-65.		0
2603	Regioselective Synthesis of Perfluoroalkyl-substituted Condensed Polycyclic Aromatic Compounds. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2018, 76, 111-121.	0.0	0
2604	Three New -CF ₃ , -CN Containing <i>π</i>-Conjugated Heteroaromatic Compounds: Synthesis, Crystal Structure and Photoelectronic Properties. Crystal Structure Theory and Applications, 2018, 07, 33-45.	0.3	0
2605	Crystal structure of (<i>E</i>)-1,2-bis(6-bromo-9-hexyl-9<i>H</i>-carbazol-3-yl)ethene. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 337-340.	0.2	1
2606	Quantum chemical study of electron structure and charge transport properties of symmetric acenequinones. Acta Chimica Slovaca, 2018, 11, 83-93.	0.5	1
2607	Liquid Crystalline Conjugated Polymers. , 2019, , 1-23.		0
2608	Effects of central metal on spectroscopic properties of hexadeca fluorinated phthalocyanine. , 2019, , .		0
2609	Endâ€substituted thiahelicenes for electronic device applications. International Journal of Quantum Chemistry, 2021, 121, .	1.0	0
2611	The prospects of organic semiconductor single crystals for spintronic applications. Journal of Materials Chemistry C, 2022, 10, 2507-2515.	2.7	14
2612	Conjugated copolymers bearing 2,7-dithienylphenanthrene-9,10-dialkoxy units: highly soluble and stable deep-blue emissive materials. New Journal of Chemistry, 2020, 44, 9557-9564.	1.4	2
2613	Thiophenes and Their Benzo Derivatives: Applications. , 2022, , 613-652.		1
2614	P(VDF-TeFE)/Organic Semiconductor Structure Ferroelectric-Gate FETs. Topics in Applied Physics, 2020, , 225-239.	0.4	0
2615	Nearâ€infrared Nonfullerene Acceptors Based on 4<i>H</i>-â€Cyclopenta[1,2â€i>b</i>:5,4â€i>b</i>-â€]dithiophene for Organic Solar Cells and Organic Fieldâ€Effect Transistors. Chemistry - an Asian Journal, 2021, 16, 4171-4178.	1.7	9
2616	Creating Organic Functional Materials beyond Chemical Bond Synthesis by Organic Cocrystal Engineering. Journal of the American Chemical Society, 2021, 143, 19243-19256.	6.6	84
2617	Key progresses of MOE key laboratory of macromolecular synthesis and functionalization in 2020. Chinese Chemical Letters, 2022, 33, 1650-1658.	4.8	47
2618	Solution-processed crystalline organic integrated circuits. Matter, 2021, 4, 3415-3443.	5.0	9
2619	Annulative Î€-Extension (APEX) Reactions for Precise Synthesis of Polycyclic Aromatic Compounds. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2020, 78, 671-682.	0.0	1
2620	Halogen AtomlarÄ± ve Siyano Grubunun Hekzasen MolekÄ¼ler Optik, Elektronik ve YÄ¼k Transfer Ä±zellikleri Äzerine Etkisinin Äncelenmesi: MolekÄ¼ler Dizayn YÄ¼ntemi, YapÄ±-Ä±zellik ÄliÄkisi. SDU Journal of Science, 0, , .		0

#	ARTICLE	IF	CITATIONS
2621	Enantiopure 2-(2-ethylhexyl)dinaphtho[2,3- <i>b</i> :2',3'- <i>f</i>]thieno[3,2- <i>b</i>]thiophenes: synthesis, single-crystal structure and a surprising lack of influence of stereoisomerism on thin-film structure and electronic properties. <i>Materials Horizons</i> , 2022, 9, 444-451.	6.4	3
2622	Hole Doping in Polythiophenes Encapsulated in Semiconducting and Metallic Single-Walled Carbon Nanotubes: Impact of the Electronic Structure. <i>Macromolecules</i> , 0, , .	2.2	1
2623	End-Capping π -Conjugated Naphthodithiophene Diimide (NDTI)-Based Triads with Noncovalent Intramolecular S \cdots A \cdots O Interactions: A Route towards High-Performance Solution-Processable Air-Stable n-Type Semiconductors. <i>ACS Applied Electronic Materials</i> , 2021, 3, 5573-5583.	2.0	4
2624	An Approach to the Construction of Benzofuran-thieno[3,2- <i>b</i>]indole-Cored N,O,S-Heteroacenes Using Fischer Indolization. <i>ACS Omega</i> , 2021, 6, 32277-32284.	1.6	2
2625	HAB79: A New Molecular Dataset for Benchmarking DFT and DFTB Electronic Couplings Against High-Level Ab-initio Calculations. <i>Journal of Chemical Physics</i> , 2021, 155, 234115.	1.2	14
2626	Organic Devices: Fabrication, Applications, and Challenges. <i>Journal of Electronic Materials</i> , 2022, 51, 447-485.	1.0	20
2627	Optical Spectra of Oligofurans: A Theoretical Approach to the Transition Energies, Reorganization Energies, and the Vibronic Activity. <i>Molecules</i> , 2021, 26, 7163.	1.7	0
2628	Charge Carrier Mobility of 1,6-Dibromopyrene Single Crystal Grown by Solution Method on Substrate. <i>Journal of Electronic Materials</i> , 2022, 51, 813-821.	1.0	0
2629	Approaching isotropic charge transport of n-type organic semiconductors with bulky substituents. <i>Communications Chemistry</i> , 2021, 4, .	2.0	10
2630	Ortho C α -H Functionalization of 2-Arylimidazo[1,2- <i>a</i>]pyridines. <i>Chemical Record</i> , 2021, , .	2.9	12
2631	Precise Control of Crystal Orientation of Conjugated Molecule Enables Anisotropic Charge Transport Properties. <i>Advanced Functional Materials</i> , 2022, 32, 2110080.	7.8	7
2632	A Focused Review of Synthetic Applications of Lawesson's Reagent in Organic Synthesis. <i>Molecules</i> , 2021, 26, 6937.	1.7	13
2633	Diverse Self-Assembly Structures of a Macrocyclic Reagent Revealed with STM by Adjusting the Solution Concentration. <i>Chemistry - an Asian Journal</i> , 2022, 17, e202101246.	1.7	6
2634	Solid-State C α -N Cross-Coupling Reactions with Carbazoles as Nitrogen Nucleophiles Using Mechanochemistry. <i>ChemSusChem</i> , 2022, 15, .	3.6	27
2635	Solution Processable Pentafluorophenyl End-Capped Dithienothiophene Organic Semiconductors for Hole-Transporting Organic Field Effect Transistors. <i>Advanced Electronic Materials</i> , 2022, 8, 2100648.	2.6	7
2636	Acid-Catalyzed Cascade Reaction of 2-Alkylfurans with α,β -Unsaturated Ketones: A Shortcut to 2,3,5-Trisubstituted Furans. <i>Journal of Organic Chemistry</i> , 2021, 86, 17362-17370.	1.7	5
2637	Structural and Optical Identification of Planar Side-Chain Stacking P3HT Nanowires. <i>Macromolecules</i> , 2021, 54, 10750-10757.	2.2	7
2638	Copper-mediated construction of benzothieno[3,2- <i>b</i>]benzofurans by intramolecular dehydrogenative C α -O coupling reaction. <i>RSC Advances</i> , 2021, 11, 36305-36309.	1.7	6

#	ARTICLE	IF	CITATIONS
2639	Computational studies on nitrogen (N)-substituted 2,6-diphenylanthracene: a novel precursor of organic field effect transistor materials. <i>New Journal of Chemistry</i> , 2022, 46, 1135-1143.	1.4	3
2640	Two-Dimensional Organic Supramolecule via Hydrogen Bonding and π - π Stacking for Ultrahigh Capacity and Long-Life Aqueous Zinc Organic Batteries. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	99
2641	Substitution effect on solid parking motif and luminescence of diphenylfuro[2,3-b]quinoxaline isomers. <i>Organic Electronics</i> , 2022, 101, 106416.	1.4	3
2642	Exploring ellagic acid as a building block in the design of organic semiconductors. <i>Dyes and Pigments</i> , 2022, 199, 109998.	2.0	1
2643	Manifestations of strong electron correlation in polyacene: Fundamental gap, density of states, and photoconductivity. <i>Carbon Trends</i> , 2022, 7, 100146.	1.4	3
2645	Hydrogen-Bonded One-Dimensional Chains of Quinacridone on Ag(100) and Cu(111): The Role of Chirality and Surface Bonding. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24861-24873.	1.5	4
2646	A Review on Solution-Processed Organic Phototransistors and Their Recent Developments. <i>Electronics (Switzerland)</i> , 2022, 11, 316.	1.8	24
2647	Growth direction dependent separate-channel charge transport in the organic weak charge-transfer co-crystal of anthracene-DTTCNQ. <i>Materials Horizons</i> , 2022, , .	6.4	2
2648	Long-Range Ordered Assembly of Micro-Nanostructures at Superwetting Interfaces. <i>Advanced Materials</i> , 2022, 34, e2106857.	11.1	21
2649	Side-Chain Engineering of Conjugated Polymers for High-Performance Organic Field-Effect Transistors. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1131-1146.	2.1	29
2650	On-surface synthesis and characterization of nitrogen-substituted undecacenes. <i>Nature Communications</i> , 2022, 13, 511.	5.8	26
2651	Ultra-short optical pulse generation in micro OLEDs and the perspective of lasing. <i>Journal of Optics (United Kingdom)</i> , 2022, 24, 034007.	1.0	7
2652	Tuning the properties of truxene by successive substitution of nitrogen and sulphur heteroatoms: a DFT insight. <i>Journal of Molecular Modeling</i> , 2022, 28, 27.	0.8	2
2653	Effect of supporting electrolyte on capacitance and morphology of electrodeposited poly(3,4-propylenedioxythiophene) derivatives bearing reactive functional groups. <i>Molecular Systems Design and Engineering</i> , 0, , .	1.7	2
2654	Coordination-Induced Defects Elimination of SnO ₂ Nanoparticles via a Small Electrolyte Molecule for High-Performance Inverted Organic Solar Cells. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	12
2655	Synthetic chiral molecular nanographenes: the key figure of the racemization barrier. <i>Chemical Communications</i> , 2022, 58, 2634-2645.	2.2	45
2656	Two-Dimensional Organic Supramolecule via Hydrogen Bonding and π - π Stacking for Ultrahigh Capacity and Long-Life Aqueous Zinc Organic Batteries. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	18
2657	Polycyclic aromatic hydrocarbon-based organic semiconductors: ring-closing synthesis and optoelectronic properties. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2411-2430.	2.7	42

#	ARTICLE	IF	CITATIONS
2658	Large polarization of push-pull Cruciforms coordination with lanthanide ions. <i>New Journal of Chemistry</i> , 2021, 46, 221-227.	1.4	5
2659	Controlling the helicity of π -conjugated oligomers by tuning the aromatic backbone twist. <i>Nature Communications</i> , 2022, 13, 451.	5.8	20
2660	Evolutionary 2D organic crystals for optoelectronic transistors and neuromorphic computing. <i>Neuromorphic Computing and Engineering</i> , 2022, 2, 012001.	2.8	9
2661	Isolation and Structure Analysis of a Ni(II) Norcorrole Radical Anion. <i>Chemistry Letters</i> , 2022, 51, 182-184.	0.7	5
2662	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
2663	Advances in flexible organic field-effect transistors and their applications for flexible electronics. <i>Npj Flexible Electronics</i> , 2022, 6, .	5.1	194
2664	Semiconducting Polymers for Neural Applications. <i>Chemical Reviews</i> , 2022, 122, 4356-4396.	23.0	59
2665	Unraveling the Molar Mass Dependence of Shearing-Induced Aggregation Structure of a High-Mobility Polymer Semiconductor. <i>Advanced Materials</i> , 2022, 34, e2108255.	11.1	43
2666	Benzobisthiazole Polymer with Resonance-assisted Hydrogen Bonds for High-performance Transistor and Solar Cell Applications. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2022, 40, 147-156.	2.0	12
2667	Synthesis and characterization of naphthalene derivatives for two-component heterojunction-based ambipolar field-effect transistors complemented with copper hexadecafluorophthalocyanine (F16CuPc). <i>RSC Advances</i> , 2022, 12, 3191-3197.	1.7	1
2668	Recent Progress in Ambipolar Organic Field-Effect Transistors Based on Organic Semiconductor Bilayer. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 54.	0.6	1
2669	Surface adhesion engineering for robust organic semiconductor devices. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2516-2526.	2.7	2
2670	Strengthening the Intermolecular Interaction of Prototypical Semicrystalline Conjugated Polymer Enables Improved Photocurrent Generation at the Heterojunction. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100871.	2.0	9
2671	Facilely Accessible Porous Conjugated Polymers toward High-Performance and Flexible Organic Electrochemical Transistors. <i>Chemistry of Materials</i> , 2022, 34, 1666-1676.	3.2	30
2672	Tuning Short Contacts between Polymer Chains To Enhance Charge Transport in Amorphous Donor-Acceptor Polymers. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3118-3126.	1.5	8
2673	Asymmetric dithieno[3,2-b:2',3'-d]thiophene derivatives as solution-processable small molecular organic semiconductors for organic thin film transistors. <i>Thin Solid Films</i> , 2022, 745, 139112.	0.8	5
2674	Hockey-Stick Polycatenars: Network formation and transition from one dimensional to three-dimensional liquid crystalline phases. <i>Journal of Molecular Liquids</i> , 2022, 351, 118613.	2.3	3
2675	Thermally stable and flexible substrate for high-performance organic field-effect transistors. <i>Materials Letters</i> , 2022, 313, 131797.	1.3	2

#	ARTICLE	IF	CITATIONS
2676	Clean synthetic approaches toward small-molecule organic electronics. , 2022, , 95-143.		0
2677	Reorganization energies of flexible organic molecules as a challenging target for machine learning enhanced virtual screening. , 2022, 1, 147-157.		11
2678	Oxidized Charcoal-Supported Thiol-Protected Palladium Nanoparticles for Cross Dehydrogenative Coupling of Heteroarenes. ACS Applied Nano Materials, 2022, 5, 2644-2654.	2.4	4
2679	Spine Surgery of Perylene Diimides with Covalent B-N Bonds toward Electron-Deficient BN-Embedded Polycyclic Aromatic Hydrocarbons. Journal of the American Chemical Society, 2022, 144, 3091-3098.	6.6	56
2680	Scalable printing of two-dimensional single crystals of organic semiconductors towards high-end device applications. Applied Physics Express, 2022, 15, 030101.	1.1	9
2681	An Iterative Approach to Unsaturated and Partially Saturated [7]Helicenes. Organic Letters, 2022, 24, 1367-1371.	2.4	3
2682	Multifunctional organic semiconductor for dopant-free perovskite solar cells. Synthetic Metals, 2022, 285, 117027.	2.1	4
2683	Polyarylether-Based 2D Covalent Organic Frameworks with In-Plane A Structures and Tunable Energy Levels for Energy Storage. Advanced Science, 2022, 9, e2104898.	5.6	31
2684	Molecular Design Strategies toward Improvement of Charge Injection and Ionic Conduction in Organic Mixed Ionic-Electronic Conductors for Organic Electrochemical Transistors. Chemical Reviews, 2022, 122, 4325-4355.	23.0	100
2685	2,2'-Bipyridine derived doubly B-N fused bisphosphine-chalcogenides, [C ₅ H ₃ N(BF ₂) ₂]{NCH ₂ P(E)Ph ₂ } ₂ (E = O, S, Se): tuning of structural features and photophysical studies. Dalton Transactions, 2022, 51, 6884-6898.	1.6	2
2687	Divergent C(sp ²)-H arylation of heterocycles via organic photoredox catalysis. Green Chemistry, 2022, 24, 3017-3022.	4.6	29
2688	Advancements in organic small molecule hole-transporting materials for perovskite solar cells: past and future. Journal of Materials Chemistry A, 2022, 10, 5044-5081.	5.2	69
2689	Cp*Rh(III)-catalyzed and solvent-controlled tunable [4 + 1]/[4 + 3] annulation for the divergent assembly of dihydrobenzo[<i>c</i>]indoles and dihydronaphtho[1,8- <i>bc</i>]azepines. Organic Chemistry Frontiers, 2022, 9, 3262-3267.	2.3	4
2690	Ditriphenylenothiophene butterfly-shape liquid crystals. The influence of polyarene core topology on self-organization, fluorescence and photoconductivity. New Journal of Chemistry, 2022, 46, 7936-7949.	1.4	9
2691	Modulating electronic properties of dinitrosoarene polymers. Journal of Materials Chemistry C, 2022, 10, 5433-5446.	2.7	4
2692	Polarization- and Angle-Dependent Plasmonic Synchronous Fluorescence Spectroscopy to Probe Molecular Vibrational Couplings on an Aluminum Nano-Film. Advanced Optical Materials, 0, , 2101973.	3.6	1
2693	Truxenone Triimide: Two-Dimensional Molecular Arrangements of Triangular Molecules for Air Stable n-Type Semiconductors. Advanced Electronic Materials, 0, , 2101390.	2.6	2
2694	Electroactive Ionenes: Efficient Interlayer Materials in Organic Photovoltaics. Accounts of Chemical Research, 2022, 55, 1097-1108.	7.6	17

#	ARTICLE	IF	CITATIONS
2695	Synthesis and Properties of Thieno[3,2- <i>b</i>]isoquinolines and Benzothieno[3,2- <i>b</i>]isoquinolines. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	3
2696	Cu-Catalyzed Radical Addition and Oxidation Cascade: Unsymmetrical Trimerization of Indole to Access Isotriazatruxene. <i>Organic Letters</i> , 2022, 24, 1502-1506.	2.4	6
2697	Recent Structural Engineering of Polymer Semiconductors Incorporating Hydrogen Bonds. <i>Advanced Materials</i> , 2022, 34, e2110639.	11.1	20
2698	Monoazadichalcogenasumanenes: Synthesis, Structures, and Ring Reconstruction via Atom Transfer under Acidic Conditions. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	12
2699	Magnetic Characterization of Open-Shell Donor-Acceptor Conjugated Polymers. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5701-5710.	1.5	9
2700	Pushing the Length Limit of Dihydrodiboraacenes: Synthesis and Characterizations of Boron-Embedded Heptacene and Nonacene. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
2701	Pushing the Length Limit of Dihydrodiboraacenes: Synthesis and Characterizations of Boron-Embedded Heptacene and Nonacene. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	19
2702	Organic liquid crystals in optoelectronic device applications: <i>Field-effect</i> transistors, nonvolatile memory, and photovoltaics. <i>Journal of the Chinese Chemical Society</i> , 2022, 69, 1289-1304.	0.8	12
2703	Phenylene-Bridged Perylene Monoimides as Acceptors for Organic Solar Cells: A Study on the Structure-Property Relationship. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	5
2704	Nucleobase Polymers Promote Low Work Function Surfaces in Organic Electronics. <i>Advanced Electronic Materials</i> , 0, , 2101316.	2.6	0
2705	Polypyrrole Percolation Network Gas Sensors: Improved Reproducibility through Conductance Monitoring during Polymer Growth. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2536-2543.	2.0	2
2706	Bandlike versus Temperature-Independent Carrier Transport in Isomeric Diphenyldinaphtho[2,3- <i>b</i> :2- <i>3'</i>]thieno[3,2- <i>b</i>]thiophenes. , 2022, 4, 675-681.		8
2707	Stable and Solution-Processable Cumulenic sp ² -Carbon Wires: A New Paradigm for Organic Electronics. <i>Advanced Materials</i> , 2022, 34, e2110468.	11.1	12
2708	A Dual Functional Diketopyrrolopyrrole-Based Conjugated Polymer as Single Component Semiconducting Photoresist by Appending Azide Groups in the Side Chains. <i>Advanced Science</i> , 2022, 9, e2106087.	5.6	15
2709	Enhancement in Charge Carrier Mobility by Using Furan as Spacer in Thieno[3,2- <i>b</i>]Pyrrole and Alkylated-Diketopyrrolopyrrole Based Conjugated Copolymers. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3150.	1.3	4
2710	Modeling of Poly(3-hexylthiophene) and Its Oligomer's Structure and Thermal Behavior with Different Force Fields: Insights into the Phase Transitions of Semiconducting Polymers. <i>Macromolecules</i> , 0, , .	2.2	3
2711	Catalytic Intramolecular Cyclization of Alkynyl Cyclic Acetals via Chemoselective Activation Leading to a Phenanthrene Core. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 735-742.	2.0	0
2712	Monoazadichalcogenasumanenes: Synthesis, Structures, and Ring Reconstruction via Atom Transfer under Acidic Conditions. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4

#	ARTICLE	IF	CITATIONS
2713	Concentration recognition of gas sensor with organic field-effect transistor assisted by artificial intelligence. <i>Sensors and Actuators B: Chemical</i> , 2022, 363, 131854.	4.0	10
2714	Challenges and Perspectives of Organic Multivalent Metal-Ion Batteries. <i>Advanced Materials</i> , 2022, 34, e2200662.	11.1	46
2715	Controlling Solution-State Aggregation and Solid-State Microstructures of Conjugated Polymers by Tuning Backbone Conformation. <i>Macromolecular Rapid Communications</i> , 2022, , 2200069.	2.0	5
2716	Enantioselective Seleno-Michael Addition Reactions Catalyzed by a Chiral Bifunctional N-Heterocyclic Carbene with Noncovalent Activation. <i>Angewandte Chemie</i> , 0, , .	1.6	0
2717	Enantioselective Seleno-Michael Addition Reactions Catalyzed by a Chiral Bifunctional N-Heterocyclic Carbene with Noncovalent Activation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	13
2718	A Facile Synthesis of Derivatives of Tetraphenylcyclopentadienone and a Linear Polymer. <i>Polymer Science - Series A</i> , 2021, 63, 672-678.	0.4	1
2719	Site-Specific Reduction-Induced Hydrogenation of a Helical Bilayer Nanographene with K and Rb Metals: Electron Multiaddition and Selective Rb ⁺ Complexation. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	4
2720	Influence of Endcaps on the Performance of Functionalized Quinolines for Channel OFETs. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100472.	2.0	4
2721	Incorporation of Selenopheno[3,2- <i>b</i>]pyrrole into Benzothiadiazole-Based Small Molecules for Organic Field-Effect Transistors. <i>ACS Applied Electronic Materials</i> , 2021, 3, 5335-5344.	2.0	8
2722	Exploration of Self-Aggregation of Coumarin 7 and Coumarin 30 in Water: Role of β -Cyclodextrin as a Modulator. <i>Journal of Physical Chemistry B</i> , 2021, 125, 13482-13493.	1.2	11
2723	Controlling the π -Stack Growth Direction in Organic π -Conjugated Microcrystals. <i>Crystal Growth and Design</i> , 2022, 22, 1-19.	1.4	4
2724	Crystallization from a Droplet: Single-Crystalline Arrays and Heterojunctions for Organic Electronics. <i>Accounts of Chemical Research</i> , 2021, 54, 4498-4507.	7.6	17
2725	Site-Specific Reduction-Induced Hydrogenation of a Helical Bilayer Nanographene with K and Rb Metals: Electron Multiaddition and Selective Rb ⁺ Complexation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	14
2726	The combined influence of polythiophene side chains and electrolyte anions on organic electrochemical transistors. <i>Electrochemical Science Advances</i> , 2022, 2, .	1.2	6
2727	Harnessing Intramolecular Chalcogen-Chalcogen Bonding in Merocyanines for Utilization in High-Efficiency Photon-to-Current Conversion Optoelectronics. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 4360-4370.	4.0	4
2728	Miscibility-Controlled Mechanical and Photovoltaic Properties in Double-Cable Conjugated Polymer/Insulating Polymer Composites. <i>Macromolecules</i> , 2022, 55, 322-330.	2.2	16
2729	Vinylene Flanked Naphtho[1,2- <i>c</i> :5,6- <i>c'</i>]bis[1,2,5]thiadiazole Polymer for Low-Crystallinity Ambipolar Transistors. <i>Macromolecules</i> , 2022, 55, 331-337.	2.2	2
2730	High-performance five-ring-fused organic semiconductors for field-effect transistors. <i>Chemical Society Reviews</i> , 2022, 51, 3071-3122.	18.7	49

#	ARTICLE	IF	CITATIONS
2731	Magnetically separable type-II semiconductor based ZnO/MoO ₃ photocatalyst: a proficient system for heteroarenes arylation and rhodamine B degradation under visible light. <i>New Journal of Chemistry</i> , 2022, 46, 8478-8488.	1.4	5
2732	Ī-Conjugated Polymers and Their Application in Organic and Hybrid Organic-Silicon Solar Cells. <i>Polymers</i> , 2022, 14, 716.	2.0	23
2733	Two-Dimensional Field-Effect Transistor Sensors: The Road toward Commercialization. <i>Chemical Reviews</i> , 2022, 122, 10319-10392.	23.0	89
2734	Using automated synthesis to understand the role of side chains on molecular charge transport. <i>Nature Communications</i> , 2022, 13, 2102.	5.8	12
2735	The Rise of 1,4-BN-Heteroarenes: Synthesis, Properties, and Applications. <i>Advanced Science</i> , 2022, 9, e2200707.	5.6	52
2737	Synthesis and application of thienylene-vinylene-thienylene derivatives for organic field effect transistors and ammonia sensors. <i>Sensors and Actuators B: Chemical</i> , 2022, 364, 131875.	4.0	1
2738	Metal- and Solvent-Free Synthesis of Tetrahydrobenzo[<i>c</i>]carbazolones through NaI-Catalyzed Formal [4 + 2] Annulation. <i>Journal of Organic Chemistry</i> , 2022, 87, 6052-6063.	1.7	3
2739	Photocatalytic hydrogen evolution based on carbon nitride and organic semiconductors. <i>Nanotechnology</i> , 2022, 33, 322001.	1.3	7
2740	Sulfur-bridged chromophores for photofunctional materials: using sulfur oxidation state to tune electronic and structural properties. <i>Chemical Science</i> , 2022, 13, 5447-5464.	3.7	16
2741	Rapid access to 9-arylfluorene and spirobifluorene through Pd-catalysed C-H arylation/deaminative annulation. <i>Chemical Communications</i> , 2022, 58, 6280-6283.	2.2	5
2742	Constructing two-dimensional crossed molecular packing through branching chain engineering of amino-indenofluorene derivatives. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8666-8673.	2.7	1
2743	Multiple-boron-nitrogen (multi-BN) doped Ī-conjugated systems for optoelectronics. <i>Journal of Materials Chemistry C</i> , 2022, 10, 13499-13532.	2.7	36
2744	Indenofluorenes for organic optoelectronics: the dance of fused five- and six-membered rings enabling structural versatility. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8496-8535.	2.7	12
2745	High mobility n-type organic semiconductors with tunable exciton dynamics toward photo-stable and photo-sensitive transistors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8874-8880.	2.7	4
2746	In-situ/operando characterization techniques for organic semiconductors and devices. <i>Journal of Semiconductors</i> , 2022, 43, 041101.	2.0	6
2747	Efficient Synthesis of Dipyrrolobenzenes and Dipyrrolopyrazines via Bidirectional Gold Catalysis: a Combined Synthetic and Photophysical Study. <i>Journal of the American Chemical Society</i> , 2022, 144, 8306-8316.	6.6	16
2748	Raman Fingerprints of Ī-Electron Delocalization in Polythiophene-Based Insulated Molecular Wires. <i>Macromolecules</i> , 2022, 55, 3458-3468.	2.2	10
2749	Rh(III)-Catalyzed One-Step Synthesis of ortho-Alkynylated Perylene Imide Dyes: Optical and Electrochemical Properties of New Derivatives. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	3

#	ARTICLE	IF	CITATIONS
2750	Near-Amorphous Conjugated Polymers: An Emerging Class of Semiconductors for Flexible Electronics. , 2022, 4, 1112-1123.		14
2751	Structural Engineering of Anthracene Diimide Polymers for Molecular Ordering Manipulation. <i>Macromolecules</i> , 2022, 55, 4102-4110.	2.2	4
2752	Non-Equal Ratio Cocrystal Engineering to Improve Charge Transport Characteristics of Organic Semiconductors: A Case Study on Indolo[2,3- <i>a</i>]carbazole. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	7
2753	The Aryl Sulfide Synthesis via Sulfide Transfer. <i>Chemistry - A European Journal</i> , 2022, , e202200869.	1.7	1
2754	Non-Equal Ratio Cocrystal Engineering to Improve Charge Transport Characteristics of Organic Semiconductors: A Case Study on Indolo[2,3- <i>a</i>]carbazole. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
2755	Multifunctional Heteropentalenes: From Synthesis to Optoelectronic Applications. <i>Jacs Au</i> , 2022, 2, 1290-1305.	3.6	10
2756	Indolo[3,2,1- <i>jk</i>]carbazole-Derived Narrowband Violet-Blue Fluorophores: Tuning the Optical and Electroluminescence Properties by Chromophore Juggling. <i>Journal of Organic Chemistry</i> , 2022, 87, 6668-6679.	1.7	2
2757	Multichromic metallopolymers of poly(2,5-dithienylpyrrole)s derived through tethering of ruthenium(II) bipyridyl complex. <i>Electrochimica Acta</i> , 2022, 424, 140562.	2.6	6
2758	Reversible color modulation of luminescent conjugated polymers based on a chemical redox mechanism and applications in rewritable paper and multiple information encryption. <i>Materials Horizons</i> , 2022, 9, 2198-2206.	6.4	8
2759	Double C-H bond functionalization for the annulative extension of 1-arylimidazoles: A palladium-catalyzed one pot access to imidazo[1,5- <i>ef</i>]phenanthridines. <i>Applied Organometallic Chemistry</i> , 0, , .	1.7	0
2760	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
2761	From Transistors to Phototransistors by Tailoring the Polymer Stacking. <i>Advanced Electronic Materials</i> , 0, , 2200019.	2.6	5
2762	Hole-injection barrier across the intermolecular interaction mediated interfacial DNTT layer. <i>Applied Surface Science</i> , 2022, 597, 153696.	3.1	5
2763	The chemistry of 1,4-dihydropyrrolo[3,2- <i>b</i>]pyrroles. <i>Advances in Heterocyclic Chemistry</i> , 2022, , 335-409.	0.9	4
2764	Catalyst- and oxidant-free electrooxidative site-selective [3/4 + 2] annulation to fused polycyclic heteroaromatics. <i>Green Chemistry</i> , 2022, 24, 5191-5196.	4.6	14
2765	Active Matrix Flexible Sensory Systems: Materials, Design, Fabrication, and Integration. <i>Advanced Intelligent Systems</i> , 2022, 4, .	3.3	9
2766	Low-power high-mobility organic single-crystal field-effect transistor. <i>Science China Materials</i> , 2022, 65, 2779-2785.	3.5	6
2767	Achieving Balanced Electrical Performance of Host Material through Dual N-P=O Resonance Linkage for Efficient Electroluminescence. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 25834-25841.	4.0	2

#	ARTICLE	IF	CITATIONS
2768	Recent Advances towards the Synthesis and Material Applications of Indoloindoles. Chemistry - an Asian Journal, 2022, 17, .	1.7	6
2769	Polymer thin film transistor vapor sensor analysis, drift suppression, and response optimization via circuit level strategy. Journal of Computational Electronics, 2022, 21, 1048-1059.	1.3	1
2770	Methoxy-substituted naphthothiophenes – Single molecules' vs. condensed phase properties and prospects for organic electronics applications. Synthetic Metals, 2022, 287, 117094.	2.1	2
2771	Functionalized D/A-D quinolines for application in solution-processable p-channel organic field-effect transistors. New Journal of Chemistry, 2022, 46, 13608-13614.	1.4	2
2772	Flow-induced-crystallization: tailoring host-guest supramolecular co-assemblies at the liquid-solid interface. Nanoscale Advances, 2022, 4, 3524-3530.	2.2	5
2773	Tailoring the charge transport characteristics in ordered small-molecule organic semiconductors by side-chain engineering and fluorine substitution. Physical Chemistry Chemical Physics, 2022, 24, 16041-16049.	1.3	5
2774	Rh(<i>iii</i>)-catalysed C-H cross-coupling of <i>S</i> -aryl sulfoximines with thiophenes: facile access to [1]benzothieno[3,2- <i>b</i>][1]benzothiophene (BTBT) and benzothiazines. Chemical Communications, 0, , .	2.2	2
2775	Symmetric Spirenes: Promising Building Blocks for New Generation Opto-Electronic Materials. Physical Chemistry Chemical Physics, 0, , .	1.3	0
2776	Anisotropic Mobilities with Different Packing Motifs of the Thin Films of Fused-Selenophenes Measuring from the Sclc Method. SSRN Electronic Journal, 0, , .	0.4	0
2777	Monolayer molecular crystals for low-energy consumption optical synaptic transistors. Nano Research, 2022, 15, 7639-7645.	5.8	18
2778	Recent Advances in the Synthesis of 5-Membered <i>N</i> -Heterocycles via Rhodium Catalysed Cascade Reactions. ChemistrySelect, 2022, 7, .	0.7	8
2779	Base-Mediated Annulation of Electrophilic Benzothiophene with Naphthols and Phenols: Accessing Benzothiophene-Fused Heteroacenes. Journal of Organic Chemistry, 2022, 87, 8017-8027.	1.7	7
2780	Aggregation Modes of Chiral Diketopyrrolo[3,4- <i>c</i>]pyrrole Dyes in Solution and Thin Films. Chemistry - A European Journal, 2022, 28, .	1.7	10
2781	Planar Tetraindolodiplediadiene via Zirconium-Promoted Intramolecular Indolyl C-H Homocoupling. Organic Letters, 2022, 24, 4197-4201.	2.4	3
2782	Structural Phase Transitions in Anthracene Crystals. ChemPlusChem, 2022, 87, .	1.3	5
2783	Substrate-directed divergent synthesis of fused indole polycycles through Rh(<i>ii</i>)-catalyzed cascade reactions of bis(diazo)indolin-2-ones. Chemical Communications, 2022, 58, 8576-8579.	2.2	7
2784	P=O-Containing Dibenzopentaarenes: Facile Synthesis, Structures and Optoelectronic Properties. Dalton Transactions, 0, , .	1.6	2
2785	Conjugated polymers-based biosensors. , 2022, , 401-446.		1

#	ARTICLE	IF	CITATIONS
2786	Gram-Scale Diversity-Oriented Synthesis of Dinaphthothiepine Bisimides as Soluble Precursors for Perylene Bisimides. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	1
2787	Deepening Insights into Near-Infrared Excited-State Intramolecular Proton Transfer Lasing: The Charm of Resonance-Assisted Hydrogen Bonds. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	15
2788	Revisiting the Dithienophthalimide Building Block: Improved Synthetic Method Yielding New High-Performance Polymer Donors for Organic Solar Cells. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	6
2789	Deep-Blue Fluorophores Based on Phenanthroimidazole Integrated with Benzo[<i>d</i>]thiazole: Experimental and Theoretical Investigation. <i>ChemistrySelect</i> , 2022, 7, .	0.7	4
2790	Revisiting the Dithienophthalimide Building Block: Improved Synthetic Method Yielding New High-Performance Polymer Donors for Organic Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	16
2791	Exploration of Alkyl Group Effects on the Molecular Packing of 5,15-Disubstituted Tetrabenzoporphyrins toward Efficient Charge-Carrier Transport. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32319-32329.	4.0	4
2792	Fused thiophene based materials for organic thin-film transistors. <i>Journal of the Chinese Chemical Society</i> , 2022, 69, 1253-1275.	0.8	11
2793	Rate enhancement of using silica gel as a practical, efficient grinding auxiliary to break π - π stacking under mechanochemical conditions. <i>Journal of Organometallic Chemistry</i> , 2022, 976, 122430.	0.8	2
2794	From ACQ to AIE: The CN(π)-(π)Ar interaction driven structural and photophysical properties of aromatic ring conjugated novel diaminomaleonitrile derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 433, 114130.	2.0	5
2795	High Mobility and ON/OFF Ratio of Solution-Processable <i>p</i> -Channel OFETs from Arylacetylene End-Capped Alkoxyphenanthrenes. <i>ChemPhysChem</i> , 2022, 23, .	1.0	5
2796	Synthetic strategy toward furyl- and benzofuryl-containing building blocks for organic materials. <i>Chimica Techno Acta</i> , 2022, 9, 20229403.	0.3	0
2797	Recent Advances in Realizing Highly Aligned Organic Semiconductors by Solution-Processing Approaches. <i>Small Methods</i> , 2022, 6, .	4.6	5
2798	Interligand Charge-Transfer Processes in Zinc Complexes. <i>Chemistry</i> , 2022, 4, 717-734.	0.9	1
2799	Molecular Carbon Imides. <i>Journal of the American Chemical Society</i> , 2022, 144, 14976-14991.	6.6	68
2800	Substituted Cyclopentannulated Tetraazapentacenes. <i>Chemistry - A European Journal</i> , 0, , .	1.7	5
2801	The principles, design and applications of fused-ring electron acceptors. <i>Nature Reviews Chemistry</i> , 2022, 6, 614-634.	13.8	163
2802	Oxidative Cyclodehydrogenation of Trinaphthylamine: Selective Formation of a Nitrogen-Centered Polycyclic π -System Comprising 5- and 7-Membered Rings. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	10
2803	Isomeric Dithienothiophene-Based Hole Transport Materials: Role of Sulphur Atoms Positions on Photovoltaic Performance of Inverted Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	15

#	ARTICLE	IF	CITATIONS
2804	Low-voltage-operation of flexible organic C8-BTBT thin-film transistors with a reactively sputtered AlO _x gate dielectric. <i>Applied Physics Letters</i> , 2022, 121, .	1.5	10
2805	Linear Block Copolymer Synthesis. <i>Chemical Reviews</i> , 2022, 122, 14471-14553.	23.0	53
2806	Chain-Extending Polymerization for Significant Improvement in Organic Thin-Film Transistor Performance. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 36918-36926.	4.0	6
2808	Electrochemical and spectroscopic properties of twisted dibenzo[<i>g,p</i>]chrysene derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 0, 18, 963-971.	1.3	1
2809	Oxidative Cyclodehydrogenation of Trinaphthylamine: Selective Formation of a Nitrogen-Centered Polycyclic π -System Comprising 5- and 7-Membered Rings. <i>Angewandte Chemie</i> , 0, , .	1.6	0
2810	Anisotropic mobilities with different packing motifs of the thin films of fused-selenophenes measuring from the SCLC method. <i>Organic Electronics</i> , 2022, 109, 106630.	1.4	0
2811	Furan functionalized naphthalenediimide semiconductors with different N-alkyl chains for n-type organic thin-film transistor applications. <i>Dyes and Pigments</i> , 2022, 206, 110603.	2.0	2
2812	Molecular origin of structural defects in the zinc phthalocyanine film. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 19956-19964.	1.3	1
2813	Side Chain effect on the electrochemical and optical properties of thieno[3,4- <i>c</i>]pyrrole-4,6-dione based donor acceptor donor type monomers and polymers. <i>Molecular Systems Design and Engineering</i> , 0, , .	1.7	3
2814	Solution processable dithioalkylated methylidene cyclopentadithiophene based quinoidal small molecules for n-type organic field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 14496-14507.	2.7	3
2815	Pyridyl substitution at the 2,6-positions of anthracene toward crystal polymorphs with distinct optical characteristics. <i>CrystEngComm</i> , 2022, 24, 5683-5687.	1.3	0
2816	Size-dependent properties and unusual reactivity of novel nonplanar heterocycloarenes. <i>Chemical Science</i> , 2022, 13, 11174-11182.	3.7	5
2817	Impact of Doping on the Optoelectronic, Electronic and Nonlinear Optical Properties and on the Reactivity of Photochromic Polymers Containing Styrylquinoline Fragments. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
2818	Transition-metal-catalyzed <i>ortho</i> -C-H functionalization of 2-arylquinoxalines. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 7361-7376.	1.5	6
2819	Electron-Deficient Benzo[<i>de</i>]isoquinolino[1,8- <i>gh</i>]quinoline Diamide π -Electron Systems. <i>Angewandte Chemie - International Edition</i> , 0, , .	7.2	0
2820	Electron-Deficient Benzo[<i>de</i>]isoquinolino[1,8- <i>gh</i>]quinoline Diamide π -Electron Systems. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
2821	A multihalogenation strategy for ambipolar transistors and high-gain inverters with good noise margin. <i>Science Bulletin</i> , 2022, 67, 1849-1853.	4.3	2
2822	Low-Dimensional Organic Crystals: From Precise Synthesis to Advanced Applications. <i>Small</i> , 2022, 18, .	5.2	4

#	ARTICLE	IF	CITATIONS
2823	An approach to the construction of 3-aryl- and 3-hydroxy-substituted benzo[b]selenopheno[2,3-d]thiophenes. <i>Tetrahedron Letters</i> , 2022, , 154166.	0.7	0
2824	Simplified Green-Emitting Single-Layer Phosphorescent Organic Light-Emitting Diodes with an External Quantum Efficiency > 22%. <i>Chemistry of Materials</i> , 2022, 34, 8345-8355.	3.2	5
2825	Supercapacitors of Nanocrystalline Covalent Organic Frameworks—A Review. <i>Crystals</i> , 2022, 12, 1350.	1.0	5
2826	A Highly Conductive n-Type Coordination Complex with Thieno[3,2- <i>b</i>]thiophene Units: Facile Synthesis, Orientation, and Thermoelectric Properties. <i>Journal of the American Chemical Society</i> , 2022, 144, 18744-18749.	6.6	4
2827	Construction of a High-Quality Organic-Inorganic Hybrid Heterostructure and Its Photoresponse Performance. <i>Chinese Journal of Chemistry</i> , 2023, 41, 50-56.	2.6	3
2829	Gold-Catalyzed Bidirectional Access to Planar Heptacyclic Benzobispyrido[1,2- <i>a</i>]indoles and Benzobispyrrolo[1,2- <i>a</i>]quinolines for Materials Science. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 3559-3566.	2.1	3
2830	Azaquinoid-Based High Spin Open-Shell Conjugated Polymer for n-Type Organic Field-Effect Transistors. <i>Advanced Materials Interfaces</i> , 2023, 10, .	1.9	6
2831	Azulene End-Capped 1,3,4-Thiadiazole as an n-Type Organic Semiconductor with a Herringbone-Brickwork Cooperative 2D Layered Structure. <i>Crystal Growth and Design</i> , 0, , .	1.4	3
2832	Computational study of novel pentacene derivatives: Prediction of structural, electronic, and optical properties. <i>Journal of Physical Organic Chemistry</i> , 2023, 36, .	0.9	0
2833	Vibration-Assisted Charge Transport through Positively Charged Dimer Junctions. <i>Angewandte Chemie - International Edition</i> , 0, , .	7.2	6
2834	Template Driven Self-Assembly of the Pentacene Structure on the Si(553)-Pb Surface. <i>Journal of Physical Chemistry C</i> , 0, , .	1.5	0
2835	Effective synthesis of regular ladder-type oligo(p-phenol)s via intramolecular SNAr O-arylation reaction. <i>Tetrahedron Letters</i> , 2022, , 154180.	0.7	0
2836	Vibration-Assisted Charge Transport through Positively Charged Dimer Junctions. <i>Angewandte Chemie</i> , 0, , .	1.6	3
2838	Charge transport in liquid crystal network of terthiophene-siloxane block molecules. <i>Chemical Communications</i> , 2022, 58, 12819-12822.	2.2	2
2839	Versatile access to nitrogen-rich π -extended indolocarbazoles via a Pictet-Spengler approach. <i>Organic Chemistry Frontiers</i> , 2022, 10, 12-21.	2.3	3
2840	Rare-earth based tetrapyrrolic sandwiches: chemistry, materials and applications. <i>Chemical Society Reviews</i> , 2022, 51, 9262-9339.	18.7	27
2841	One-pot heteroannulation toward phosphaperylene diimides with high luminescence and out-of-plane anisotropy. <i>Chemical Communications</i> , 2022, 58, 12321-12324.	2.2	2
2842	Electronic Process in Organic Semiconductor Materials. , 2022, , 1-30.		0

#	ARTICLE	IF	CITATIONS
2843	Ionâ€¢Conjugation: A Promising Concept for Multifunctional Organic Semiconductors. <i>Small</i> , 2022, 18, .	5.2	9
2844	Synthesis of Anthracene and Pyrene Endâ€¢Capped Triarylamines for p<i>â€¢/i>Channel Highâ€¢Performance OFETs. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	2
2845	Recent Advances in the Use of Dimethyl Sulfoxide as a Synthon in Organic Chemistry. <i>Topics in Current Chemistry</i> , 2022, 380, .	3.0	9
2846	Organic light emitting transistors: performance analysis and high performance device. <i>Analog Integrated Circuits and Signal Processing</i> , 0, , .	0.9	0
2847	Synthesis of Phenanthreneâ€¢Based Polycycles by Gold(I)â€¢Catalyzed Cyclization of Biphenylâ€¢Embedded Trienyne. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 3960-3966.	2.1	1
2848	Nonplanar Aromatic Hydrocarbons: Design and Synthesis of Highly Strained Structures. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 1600-1610.	2.0	5
2849	Optimal Balance in the Catalyst Dynamics Enables C(2)â€¢H Arylation of (Benz)imidazoles and (Benz)oxazoles by an <i>In Situ</i>â€¢Generated Ni/NHC System. <i>ChemCatChem</i> , 2022, 14, .	1.8	3
2850	Design Principles for the Acceptor Units in Donorâ€¢Acceptor Conjugated Polymers. <i>ACS Omega</i> , 2022, 7, 38969-38978.	1.6	7
2851	Acceptor-acceptor type polymers based on cyano-substituted benzochalcogenadiazole and diketopyrrolopyrrole for high-efficiency n-type organic thermoelectrics. <i>Polymer Journal</i> , 2023, 55, 507-515.	1.3	6
2852	Field effect transistorâ€¢based tactile sensors: From sensor configurations to advanced applications. <i>Informa~Materi~ly</i> , 2023, 5, .	8.5	24
2853	Cyanopyridone-cored fluorophores with triphenylamine peripheries: From molecular design to OLED fabrication studies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2023, 435, 114344.	2.0	4
2854	Synthesis, characterization, and semiconducting properties of Î€-conjugated polymers containing hydrogen-bonded bis-pyridine-thieno[3,2-<i>b</i>]thiophene moieties. <i>Journal of Materials Chemistry C</i> , 2022, 10, 17530-17538.	2.7	4
2855	Influences of electrostatic models on organic crystal structure prediction â€¢ a case study of pentacene. <i>CrystEngComm</i> , 0, , .	1.3	0
2856	Star-burst polycyclic aromatic hydrocarbons prepared by multi-photocyclization and the photophysical features. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2023, 436, 114387.	2.0	0
2857	Size Controlled Synthesis of Soluble Conjugated Polymeric Nanoparticles in Dendritic Mesoporous Silica Nanospheres. <i>Macromolecular Chemistry and Physics</i> , 0, , 2200325.	1.1	1
2858	Recent advances in 2D organic~inorganic heterostructures for electronics and optoelectronics. <i>SmartMat</i> , 2023, 4, .	6.4	15
2859	Molecular Engineering of Chalcogenâ€¢Embedded Anthanthrenes via periâ€¢Selective Câ€¢H Activation: Fineâ€¢Tuning of Crystal Packings for Organic Fieldâ€¢Effect Transistors. <i>Angewandte Chemie</i> , 0, , .	1.6	0
2860	Molecular Engineering of Chalcogenâ€¢Embedded Anthanthrenes via <i>peri</i>â€¢Selective Câ€¢H Activation: Fineâ€¢Tuning of Crystal Packing for Organic Fieldâ€¢Effect Transistors. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	5

#	ARTICLE	IF	CITATIONS
2861	Low-Voltage Organic Transistors with Carrier Mobilities over $10^2 \text{ cm}^2/\text{Vs}$ Using Six-Branched Organic Azide. <i>Chemistry of Materials</i> , 2022, 34, 10409-10423.	3.2	2
2862	A Phthalocyanine with an Olefin at Its Center as Potential Quadruplex Ligand. <i>ChemistrySelect</i> , 2022, 7, .	0.7	0
2863	Impact of doping on the optoelectronic, electronic and nonlinear optical properties and on the reactivity of photochromic polymers containing styrylquinoline fragments: Hartree-Fock and DFT study. <i>Heliyon</i> , 2022, 8, e11491.	1.4	9
2864	Superior High-Temperature Energy Density in Molecular Semiconductor/Polymer All-Organic Composites. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	50
2865	Electronic, redox, and optical property prediction of organic π -conjugated molecules through a hierarchy of machine learning approaches. <i>Chemical Science</i> , 2022, 14, 203-213.	3.7	4
2866	Ring-expansion from tellurophenes to telluopyrans: inhibition of C-Te bond cleavages in transition metal-catalyzed reactions. <i>Organic Chemistry Frontiers</i> , 2022, 10, 54-61.	2.3	5
2867	Redox-active polyimides for energy conversion and storage: from synthesis to application. <i>Chemical Communications</i> , 2022, 59, 153-169.	2.2	11
2868	The recent advances in cobalt-catalyzed $\text{C}(\text{sp}^3)\text{-H}$ functionalization reactions. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 673-699.	1.5	1
2869	High performance waterproof-breathable fully flexible tactile sensor based on piezotronics coupled OFET. <i>Nano Energy</i> , 2023, 106, 108034.	8.2	15
2870	Furan semiconductors and their application in organic field-effect transistors. <i>Materials Today Nano</i> , 2023, 21, 100284.	2.3	2
2871	Insight into the effect of alkyl chain length and substituent bulkiness on the mobility anisotropy of benzothieno[3,2- <i>b</i>][1]benzothiophenes. <i>Journal of Materials Chemistry C</i> , 2022, 10, 18423-18432.	2.7	2
2872	Dithieno[3,2- <i>b</i> :2- <i>d</i>]thiophene (DTT): an emerging heterocyclic building block for future organic electronic materials & functional supramolecular chemistry. <i>RSC Advances</i> , 2022, 12, 36073-36102.	1.7	6
2873	Hyperbranched Diketopyrrolopyrrole-based Polymers Constructed via Linear Side Chains towards Organic Field-Effect Transistors. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	2
2874	Aggregation Behavior and Electrical Performance Control of Isoindigo-Based Conjugated Polymers via Carbosilane Side Chain Engineering. <i>Macromolecules</i> , 2022, 55, 10385-10394.	2.2	9
2875	π -Extended Rubrenes via Dearomative Annulative π -Extension Reaction. <i>Journal of the American Chemical Society</i> , 2023, 145, 658-666.	6.6	6
2876	Synthesis and Structure-Property Relationships in Regioisomeric Alternating Borane-Terthiophene Polymers. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	3
2877	Electronic Control of the Scholl Reaction: Selective Synthesis of Spiro vs Helical Nanographenes. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	2
2878	Synthesis and Ring-Opening Metathesis Polymerization of <i>o</i> -Dialkoxy Paracyclophanedienes. <i>Macromolecules</i> , 2022, 55, 10854-10864.	2.2	2

#	ARTICLE	IF	CITATIONS
2879	Electronic Control of the Scholl Reaction: Selective Synthesis of Spiro vs Helical Nanographenes. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	11
2880	Synthesis of alkenylated tetrathienoacenes obtained by palladium catalyzed direct C-H alkenylations. <i>Tetrahedron</i> , 2022, , 133215.	1.0	0
2881	Quinoline N-oxide: A Versatile Precursor in Organic Transformations. <i>ChemistrySelect</i> , 2022, 7, .	0.7	6
2882	Optoelectronic design and charge transport properties of Benzodifuran (BDF) isomers for organic electronic devices: DFT/TD-DFT insights. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2023, 290, 122266.	2.0	10
2883	Furylenevinylene Oligomers as Extended Conjugated Systems from Renewable Materials. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	2
2884	Synthesis of Chrysoporphyryns and a Related Benzopyrene-Fused System. <i>Journal of Organic Chemistry</i> , 2022, 87, 16276-16296.	1.7	3
2885	Enhanced Solvent and Thermal Stability in Cross-Linkable Conjugated Statistical Copolymers for Organic Field-Effect Transistors. <i>Chemistry - A European Journal</i> , 0, , .	1.7	0
2886	Ambipolar Nickel Dithiolene Complex Semiconductors: From One- to Two-Dimensional Electronic Structures Based upon Alkoxy Chain Lengths. <i>Journal of the American Chemical Society</i> , 2023, 145, 2127-2134.	6.6	1
2887	Influence of Intermolecular Packing on Light Emitting Efficiency and Carrier-Mobility of Organic Semiconductors: Theoretical Descriptor for Molecular Design. <i>Advanced Optical Materials</i> , 2023, 11, .	3.6	5
2888	High-performance and multifunctional organic field-effect transistors. <i>Chinese Chemical Letters</i> , 2023, 34, 108094.	4.8	7
2889	Uncovered Effects of thieno[2,3- <i>b</i>]thiophene Substructure in a Tetrathienoacene Backbone: Reorganization Energy and Intermolecular Interaction. <i>Chemistry of Materials</i> , 2023, 35, 280-288.	3.2	6
2890	Silver-catalyzed direct selenylation of indoles: synthesis and mechanistic insights. <i>RSC Advances</i> , 2023, 13, 914-925.	1.7	4
2891	On/Off Ratio of a Pentacene Field-Effect Transistor with a Discontinuous MoO ₃ Layer. <i>IEICE Transactions on Electronics</i> , 2023, , .	0.3	0
2892	Research Progress in n-type Organic Semiconducting Materials Based on Amides or Imides. <i>Acta Chimica Sinica</i> , 2022, 80, 1600.	0.5	0
2893	Highly Luminescent and Semiconducting Supramolecular Organic Charge Transfer Complex Generated via H-Bonding Interaction Pathway. <i>Crystal Research and Technology</i> , 2023, 58, .	0.6	2
2894	Extended Pyrrole-Fused Heteropine: Synthesis, Properties, and Application in Organic Field-Effect Transistors. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	11
2895	Discrimination and control of the exciton-recombination region of thermal-stressed blue organic light-emitting diodes. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 2742-2746.	1.3	5
2896	Spacer Length Effect of Tributylsilyl-Terminated Side Chains on the Properties of Poly(diketopyrrolopyrrole-alt-terthiophene)s. <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	0

#	ARTICLE	IF	CITATIONS
2897	Extended Pyrrole-Fused Heteropine: Synthesis, Properties, and Application in Organic Field-Effect Transistors. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	1
2898	Enhanced Nitric Oxide Sensing Performance of Conjugated Polymer Films through Incorporation of Graphitic Carbon Nitride. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1158.	1.8	3
2899	Interrogating Polymorphism in Conjugated Poly(thieno)thiophene Thin Films for Field-Effect Transistors. <i>Macromolecules</i> , 2023, 56, 490-500.	2.2	6
2900	Synthesis and properties of 10,20-bis(triisopropylsilylethynyl)-tetrabenzo-5,15-diazaporphine. <i>Journal of Porphyrins and Phthalocyanines</i> , 2023, 27, 136-144.	0.4	2
2901	Strategies for Improving the Brightness of Aggregation-Induced Emission Materials at Aggregate Level. <i>Chinese Journal of Chemistry</i> , 2023, 41, 1249-1259.	2.6	3
2902	Recent Advances in Boron-Containing Acenes: Synthesis, Properties, and Optoelectronic Applications. <i>Chinese Journal of Chemistry</i> , 2023, 41, 1355-1373.	2.6	11
2903	Synthesis of Isoquinoline-Derived Diene Esters and Quinolin-2(1 <i>H</i>)-ylidene-Substituted 1,5-Diones from Enynones and (Iso) Quinoline <i>N</i> -Oxides. <i>Organic Letters</i> , 2023, 25, 115-119.	2.4	3
2904	Relationship between the Crystal Structure and NMR Relaxation of Dibromoanthracenes. <i>Bunseki Kagaku</i> , 2022, 71, 687-692.	0.1	0
2905	Dopant-Free Two-Dimensional Hole Transport Small Molecules Enable Efficient Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2023, 13, .	10.2	20
2906	Boron-Doped Pentacenes: Isolation of Crystalline 5,12- and 5,7-Diboratapentacene Dianions. <i>Journal of the American Chemical Society</i> , 2023, 145, 2028-2034.	6.6	13
2907	Characterization and Application of Supramolecular Junctions. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	12
2908	Ultralow contact resistance in organic transistors via orbital hybridization. <i>Nature Communications</i> , 2023, 14, .	5.8	22
2909	Single-Crystal Organic Semiconductors. , 2023, , 41-50.		0
2910	Facile Synthesis of Bis-pentafluoroarylated Anthracene Derivatives for N-type Organic Field-Effect Transistor Applications. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	3
2911	Characterization and Application of Supramolecular Junctions. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	2
2912	High-gain, low-voltage unipolar logic circuits based on nanoscale flexible organic thin-film transistors with small signal delays. <i>Science Advances</i> , 2023, 9, .	4.7	13
2913	Divergent Construction of N-Doped Polycyclic Aromatic Hydrocarbons with Indole as the Nitrogen Source Building Block. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	2
2914	Oxidative insertion of amines into conjugated macrocycles: transformation of antiaromatic norcorrole into aromatic azacorrole. <i>Chemical Communications</i> , 2023, 59, 3739-3742.	2.2	3

#	ARTICLE	IF	CITATIONS
2915	A new dithieno[3,2- <i>b</i> :2',3'- <i>d'</i>]thiophene derivative for high performance single crystal organic field-effect transistors and UV-sensitive phototransistors. <i>RSC Advances</i> , 2023, 13, 11706-11711.	1.7	0
2916	Rhodium-Catalyzed Tandem Acylmethylation/Annulation Reactions of 2-Aryl-2 <i>H</i> -indazoles with Sulfoxonium Ylides: Easy Access to 6-Arylindazolo[2,3- <i>a</i>]quinolines. <i>Chinese Journal of Organic Chemistry</i> , 2023, 43, 1187.	0.6	1
2917	Susceptibility of Polycyclic Aromatic Hydrocarbons in Oxidative Voltammetry: Unveiling the Effect of Electrolyte-coordination. <i>Electrochemistry</i> , 2023, , .	0.6	0
2918	Recent advances in the (3+2) cycloaddition of azomethine ylide. <i>New Journal of Chemistry</i> , 2023, 47, 8997-9034.	1.4	9
2919	Aldol condensation-enabled acceptor-acceptor type bithiophene imide polymer semiconductors for n-type field-effect transistors. <i>Dyes and Pigments</i> , 2023, 212, 111138.	2.0	3
2920	Recent developments of lead-free halide-perovskite nanocrystals: Synthesis strategies, stability, challenges, and potential in optoelectronic applications. <i>Materials Today Physics</i> , 2023, 34, 101079.	2.9	8
2921	Building stable small molecule imide cathodes toward ultralong-life aqueous zinc-organic batteries. <i>Chemical Engineering Journal</i> , 2023, 465, 142824.	6.6	6
2922	Design of donor-acceptor small molecules based on diazaisoindigo unit: Synthesis, theoretical calculations and photophysical studies. <i>Dyes and Pigments</i> , 2023, 214, 111197.	2.0	2
2923	Anti-aggregation triggering molecular transformation and boosting stable sodium storage. <i>Cell Reports Physical Science</i> , 2023, 4, 101290.	2.8	3
2924	Organic thin-film transistors and related devices in life and health monitoring. <i>Nano Research</i> , 2024, 17, 426-444.	5.8	3
2925	Precise control of conjugated polymer synthesis from step-growth polymerization to iterative synthesis. <i>Giant</i> , 2023, 14, 100154.	2.5	7
2926	3,6-Diazadiphosphapentalenes: Synthesis and Complexation with the Organic Iodine Acceptor, 1,2,4,5-Tetracyanobenzene. <i>ChemPlusChem</i> , 2023, 88, .	1.3	5
2927	Continuous Flow Synthesis of Substituted 3,4-Propylenedioxythiophene Derivatives. <i>Organic Process Research and Development</i> , 2023, 27, 358-366.	1.3	1
2928	Rhodium-Catalyzed Annulations of 6-Arylimidazothiazoles with Alkynes through Rollover Dual C-H Bond Activation Strategy. <i>ChemistrySelect</i> , 2023, 8, .	0.7	0
2929	C ₈ -BTBT-C ₈ Thin-Film Transistors Based on Micro-Contact Printed PEDOT:PSS/MWCNT Electrodes. <i>Advanced Electronic Materials</i> , 2023, 9, .	2.6	1
2930	Benzodithiophene (BDT) and benzodiselenophene (BDSe) isomers' charge transport properties for organic optoelectronic devices. <i>Journal of Sulfur Chemistry</i> , 2023, 44, 462-478.	1.0	1
2931	Conjugated Polymer-Based Nanocomposites for Pressure Sensors. <i>Molecules</i> , 2023, 28, 1627.	1.7	10
2932	Synthesis and Photophysical Properties of Heavier Pnictogen Complexes. <i>ChemPlusChem</i> , 2023, 88, .	1.3	2

#	ARTICLE	IF	CITATIONS
2933	Unique 2D Face Topologies in Naphthylâ€‘Appended Naphtho[k]fluorantheneâ€‘Based 3D Crystals for Optical Waveguide. <i>Advanced Optical Materials</i> , 2023, 11, .	3.6	3
2934	Intrinsically Stretchable Polymer Semiconductors with Good Ductility and High Charge Mobility through Reducing the Central Symmetry of the Conjugated Backbone Units. <i>Advanced Materials</i> , 2023, 35, .	11.1	21
2935	Charge Transport through Discrete Crystalline Architectures. <i>Journal of Physical Chemistry C</i> , 2023, 127, 3389-3397.	1.5	3
2936	Construction of polysubstituted pentafulvenes <i>via</i> palladium-catalyzed deacetylation of enones. <i>Chemical Communications</i> , 2023, 59, 3269-3272.	2.2	3
2937	Probing single-chain conformation and its impact on the optoelectronic properties of donorâ€‘accepter conjugated polymers. <i>Journal of Materials Chemistry A</i> , 2023, 11, 12928-12940.	5.2	4
2938	Heat storage and conductive properties of the polypyrrole aerogel-based new shape-stabilized phase change composite. <i>Solar Energy</i> , 2023, 252, 380-390.	2.9	4
2939	A study of highly efficient organic light emitting transistors that outperforms organic light emitting diodes. <i>Optical and Quantum Electronics</i> , 2023, 55, .	1.5	0
2940	Effects of Charge Traps on Hysteresis in Organic Field-Effect Transistors and Their Charge Trap Cause Analysis through Causal Inference Techniques. <i>Sensors</i> , 2023, 23, 2265.	2.1	6
2941	High n-type and p-type conductivities and power factors achieved in a single conjugated polymer. <i>Science Advances</i> , 2023, 9, .	4.7	16
2942	Crossâ€‘dehydrogenative Coupling Polymerization via Câˆ’H Activation for the Synthesis of Conjugated Polymers. <i>Angewandte Chemie</i> , 0, , .	1.6	0
2943	Crossâ€‘dehydrogenative Coupling Polymerization via Câˆ’H Activation for the Synthesis of Conjugated Polymers. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	8
2944	Insights into the Polymerization Reactions on Solid Surfaces Provided by Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2023, 14, 2463-2472.	2.1	1
2945	Alkyl-thiophene-alkyl linkers to construct double-cable conjugated polymers for single-component organic solar cells. <i>Chinese Chemical Letters</i> , 2024, 35, 108287.	4.8	3
2946	Chemical Doping by Fluorination and Its Impact on All Energy Levels of Î€-Conjugated Systems. <i>Journal of Physical Chemistry Letters</i> , 2023, 14, 2551-2557.	2.1	2
2947	Influence of chirality on the aggregation of a new A-Î€-D-Î€-A small molecule with a benzodithiophene core: Spectroscopic and morphological investigations. <i>Optical Materials</i> , 2023, 138, 113619.	1.7	1
2948	Molecular Design for Symmetric Allâ€‘Organic Batteries. <i>ChemPlusChem</i> , 2023, 88, .	1.3	0
2949	Density of States Engineering of nâ€‘Doped Conjugated Polymers for High Charge Transport Performances. <i>Advanced Materials</i> , 2023, 35, .	11.1	10
2950	Impact of Di- and Poly-Radical Characters on the Relative  Energy of the Doubly Excited and La States of Linear Acenes and Cyclacenes. <i>Chemistry</i> , 2023, 5, 616-632.	0.9	2

#	ARTICLE	IF	CITATIONS
2951	Electronic Structures and Charge Mobilities of Several Regioisomeric B ₂ N ₂ -Substituted Perylene ₂ diimides. <i>Journal of Physical Chemistry A</i> , 2023, 127, 2742-2750.	1.1	1
2952	On Water TM -Promoted Three-Component Tandem Michael Addition/D ^A Cycloaddition Reaction to Construct Polycyclic Heterocycles Derivatives. <i>Chemistry and Biodiversity</i> , 0, .	1.0	0
2953	Multipolaron Complexes in Conducting Polymers: The Importance of Hole-Hole Repulsion in Charge Delocalization. <i>Journal of Physical Chemistry C</i> , 2023, 127, 6414-6424.	1.5	3
2954	Chiral Diketopyrrolo[3,4-pyrrole-1,2,3-H-triazole Dyes with Highly Tuneable Properties in Solution and Thin Films. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	2
2955	Preparation of D-A copolymers based on dithiazologermole and germaindacenodithiazole as weak electron donor units. <i>Polymer Journal</i> , 2023, 55, 797-805.	1.3	3
2956	A BN-Doped U ^S -Shaped Heteroacene as a Molecular Floating Gate for Ambipolar Charge Trapping Memory. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	7
2957	A BN-Doped U ^S -Shaped Heteroacene as a Molecular Floating Gate for Ambipolar Charge Trapping Memory. <i>Angewandte Chemie</i> , 0, .	1.6	0
2958	High-Performance Ambipolar and n-Type Emissive Semiconductors Based on Perfluorophenyl-Substituted Perylene and Anthracene. <i>Advanced Science</i> , 2023, 10, .	5.6	4
2959	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 & Interfaces</i> , 2023, 15, 16930-16941.	4.0	2
2960	Charge Localization in Acene Crystals from Ab Initio Electronic Structure. <i>Journal of Physical Chemistry Letters</i> , 2023, 14, 3343-3351.	2.1	2
2962	Enhanced Open-Circuit Voltage by Using 2,7-Pyrene as a Central Donor Unit in A ^C -D ^A -A ^C -Type Small-Molecule-Based Organic Solar Cells. <i>ChemistrySelect</i> , 2023, 8, .	0.7	0
2963	High-Resolution Lithography for High-Frequency Organic Thin-Film Transistors. <i>Advanced Materials Technologies</i> , 2023, 8, .	3.0	8
2964	Influence of Magnetic Field on the Structure and Sensor Properties of Thin Titanyl Phthalocyanine Layers. <i>Journal of Structural Chemistry</i> , 2023, 64, 337-346.	0.3	0
2965	Charge Transport and Mobility of Organic Semiconductors. , 2023, , 3-30.		0
2966	Incorporation of the Benzobisthiadiazole Unit Leads to Open-Shell Conjugated Polymers with n-Type Charge Transport Properties. <i>Macromolecules</i> , 2023, 56, 2980-2989.	2.2	4
2967	Growth Dynamics of Ultrathin Films of Benzo[1,2-b:4,5-b']-dithiophene Derivatives on Au(111): A Photoelectron Spectroscopy Investigation. <i>Langmuir</i> , 2023, 39, 5602-5609.	1.6	0
2968	Formal [5 + 2] cycloaddition of ortho-indoliziny anilines with cyclopentenediones: access to planar indolizine-fused azepines. <i>Organic Chemistry Frontiers</i> , 0, .	2.3	0
2969	Comprehensive Understanding of Fluorination-Performance Relationship: The Best-Performed A-D-A-Type Acceptors. <i>Fundamental Research</i> , 2023, .	1.6	3

#	ARTICLE	IF	CITATIONS
2970	Exploring the potential of anthracene derivatives as fluorescence emitters for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2023, 11, 4287-4295.	2.9	3
2971	Recent advances in the cyclization reactions of pyridinium 1, <i>n</i> -zwitterions (<i>n</i> = 4 and 5): scope and mechanism. <i>Organic Chemistry Frontiers</i> , 2023, 10, 2813-2829.	2.3	5
2972	Tuning Electrochemical Properties of Nitroaromatic Cathodes by Function-Oriented Design for Rechargeable Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	1
2973	Advances in organic semiconductors for photocatalytic hydrogen evolution reaction. , 2023, 1, 333-352.		10
2974	The electrical and photophysical performances of axially-substituted naphthalene diimide-based small molecules as interface layer. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2023, 294, 116510.	1.7	2
3000	Effect of measurement temperature on the charge transport behavior in temperature sensitive ferroelectric dielectric-based organic field-effect transistors. , 2022, , .		0
3020	Organic luminescent crystals: role of packing structures and optical properties. <i>Materials Chemistry Frontiers</i> , 2023, 7, 5104-5119.	3.2	2
3027	Iron-Catalyzed Regioselective Thienyl C-H/C-H Homocoupling. <i>Springer Theses</i> , 2023, , 11-47.	0.0	0
3037	The effect of bridging groups on the charge transport properties of benzothiophene-substituted anthracenes. <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	0
3047	Dihydroindenofluorenes as building units in organic semiconductors for organic electronics. <i>Chemical Society Reviews</i> , 2023, 52, 6754-6805.	18.7	1
3049	Toward ultraflexible organic electronic devices. <i>MRS Bulletin</i> , 2023, 48, 999-1012.	1.7	1
3062	Keeping the chromophores crossed: evidence for null exciton splitting. <i>Chemical Society Reviews</i> , 2023, 52, 6664-6679.	18.7	6
3069	N-Heterocyclic carbene-based porous polymer macroligand for the Ni-catalyzed C-H arylation of benzothiophenes. <i>Catalysis Science and Technology</i> , 2023, 13, 5825-5830.	2.1	1
3087	Recent synthetic strategies for the construction of functionalized carbazoles and their heterocyclic motifs enabled by Lewis acids. <i>RSC Advances</i> , 2023, 13, 32596-32626.	1.7	1
3088	Crystal-structure simulation of molecular semiconductors: brickwork-related crystal structures of methylthiolated <i>peri</i> -condensed polycyclic aromatic hydrocarbons. <i>Materials Horizons</i> , 2023, 10, 5492-5499.	6.4	1
3110	Synthesis of C60 Fullerene Hexakis Adducts Based on Strained Polycyclic Hydrocarbons and Their Application in Organic Electronics. , 0, , .		0
3111	On surface synthesis of an eleven-ring sulfur-doped nonacene. <i>Chemical Communications</i> , 0, , .	2.2	0
3119	Recent advancement of perylene diimide as the electron acceptor in Organic Solar Cells. <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	0

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------