

Weiguo Zhu

List of Publications by Year in descending order

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docs citations

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3904
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#	ARTICLE	IF	CITATIONS
1	Tetradentate cyclometalated platinum complex enables high-performance near-infrared electroluminescence with excellent device stability. <i>Chinese Chemical Letters</i> , 2023, 34, 107445.	9.0	4
2	Molecular design strategy for orange-red thermally activated delayed fluorescence emitters via intramolecular energy transfer and their application in solution processable organic light-emitting diodes. <i>Chemical Engineering Journal</i> , 2022, 428, 131691.	12.7	7
3	Ester side chains engineered quinoxaline based D-A copolymers for high-efficiency all-polymer solar cells. <i>Chemical Engineering Journal</i> , 2022, 429, 132551.	12.7	16
4	Fabrication of Circularly Polarized MRâ€TADF Emitters with Asymmetrical Peripheralâ€Lock Enhancing Helical B/Nâ€Doped Nanographenes. <i>Advanced Materials</i> , 2022, 34, e2105080.	21.0	112
5	Simple non-fused small-molecule acceptors with bithiazole core: synthesis, crystallinity and photovoltaic properties. <i>Materials Advances</i> , 2022, 3, 554-561.	5.4	5
6	Over 18% ternary polymer solar cells enabled by a terpolymer as the third component. <i>Nano Energy</i> , 2022, 92, 106681.	16.0	97
7	Asymmetric sky-blue thermally-activated delayed fluorescence emitters bearing tris(triazolo)triazine moiety for solution-processable organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4837-4844.	5.5	5
8	Achieving near-infrared emission platinum (II) complex by introducing dimerized benzothiadiazole unit. <i>Optical Materials</i> , 2022, 123, 111896.	3.6	2
9	Novel Oligomer Enables Green Solvent Processed 17.5% Ternary Organic Solar Cells: Synergistic Energy Loss Reduction and Morphology Fineâ€Tuning. <i>Advanced Materials</i> , 2022, 34, e2107659.	21.0	57
10	Deep Blue Emitter Based on Tris(triazolo)triazine Moiety with CIE_yâ€0.08 for Highly Efficient Solutionâ€Processed Organic Lightâ€Emitting Diodes Via Molecular Strategy of â€Hot Excitonsâ€. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	46
11	Chloride side-chain engineered quinoxaline-based D-A copolymer enabling non-fullerene organic solar cells with over 16% efficiency. <i>Chemical Engineering Journal</i> , 2022, 437, 135182.	12.7	19
12	Influence of charge transfer strength on emission bandwidth for multiple-resonance emitters <i>via</i> systematically tuning the acceptorâ€donor assembly. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7866-7874.	5.5	16
13	714 nm emission with 12.25% efficiency from iridium complexes with low iridium content by the strategy of rigid coordination core and amplifying shell. <i>Journal of Materials Chemistry C</i> , 2022, 10, 6646-6653.	5.5	10
14	â€Dâ€A-Type Oligomer versus â€Dâ€A-Type Small Molecule: Synthesis and Advanced Effect of the Dâ€A Repeat Unit on Morphology and Photovoltaic Properties. <i>ACS Applied Energy Materials</i> , 2022, 5, 3146-3155.	5.1	5
15	Liquid-Crystalline Thermally Activated Delayed Fluorescence: Design, Synthesis, and Application in Solution-Processed Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 15437-15447.	8.0	8
16	Non-fused-ring asymmetrical electron acceptors assembled by multi-functional alkoxy indenothiophene unit to construct efficient organic solar cells. <i>Chemical Engineering Journal</i> , 2022, 444, 136509.	12.7	19
17	A simple-structure small-molecule acceptor enables over 18% efficiency ternary polymer solar cells with a broad composition tolerance. <i>Chemical Engineering Journal</i> , 2022, 445, 136691.	12.7	17
18	Red and near-infrared emissive palladium(II) complexes with tetradentate coordination framework and their application in OLEDs. <i>Chemical Engineering Journal</i> , 2022, 446, 136834.	12.7	10

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19	Synergy of backbone and end-group engineering for efficient non-fused-ring asymmetric electron acceptor-based organic solar cells. <i>Materials Advances</i> , 2022, 3, 5468-5475.	5.4	4
20	Highly efficient polymer solar cells with improved molecular stacking and appropriate active layer morphology by side chain engineering of small molecular acceptors. <i>Synthetic Metals</i> , 2021, 271, 116625.	3.9	5
21	Structure evolution from D-A-D type small molecule toward D-A-D-A-D type oligomer for high-efficiency photovoltaic donor materials. <i>Dyes and Pigments</i> , 2021, 186, 108950.	3.7	13
22	Molecular Engineering through Control of Structural Deformation for Highly Efficient Ultralong Organic Phosphorescence. <i>Angewandte Chemie</i> , 2021, 133, 2086-2091.	2.0	17
23	Iridium Complexes Embedding Rigid D-A-Type Coordinated Cores: Facile Synthesis and High-Efficiency Near-Infrared Emission in Solution-Processed Polymer Light-Emitting Diodes. <i>Journal of Organometallic Chemistry</i> , 2021, 931, 121615.	1.8	6
24	Synergy strategy to the flexible alkyl and chloride side-chain engineered quinoxaline-based D-A conjugated polymers for efficient non-fullerene polymer solar cells. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1906-1916.	5.9	11
25	Molecular Engineering through Control of Structural Deformation for Highly Efficient Ultralong Organic Phosphorescence. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2058-2063.	13.8	75
26	Synthesis and Electronic Properties of Diketopyrrolopyrrole-Based Polymers with and without Ring-Fusion. <i>Macromolecules</i> , 2021, 54, 970-980.	4.8	23
27	Nonconjugated Terpolymer Acceptors with Two Different Fused-Ring Electron-Deficient Building Blocks for Efficient All-Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6442-6449.	8.0	28
28	Intramolecular Through-Space Charge Transfer Based TADF-Active Multifunctional Emitters for High Efficiency Solution-Processed OLED. <i>Advanced Optical Materials</i> , 2021, 9, 2100180.	7.3	49
29	High-performance all-polymer solar cells enabled by a novel low bandgap non-fully conjugated polymer acceptor. <i>Science China Chemistry</i> , 2021, 64, 1380-1388.	8.2	51
30	Wide-Band Gap Small-Molecule Donors with Diester-Terthiophene Bridged Units for High-Efficiency All-Small-Molecule Organic Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 5868-5876.	5.1	7
31	Using Two Compatible Donor Polymers Boosts the Efficiency of Ternary Organic Solar Cells to 17.7%. <i>Chemistry of Materials</i> , 2021, 33, 7254-7262.	6.7	35
32	Double-hydrogen-bond solid additives to improve morphology, efficiency and stability of fullerene OSCs. <i>Dyes and Pigments</i> , 2021, 194, 109670.	3.7	1
33	Enhancing the efficiency of near-infrared iridium (III) complexes-based OLEDs by auxiliary ligand functionalization. <i>Synthetic Metals</i> , 2021, 281, 116917.	3.9	4
34	An A-D-D-A-type small-molecule electron acceptor with chlorine substitution for high-efficiency polymer solar cells. <i>Organic Electronics</i> , 2021, 99, 106329.	2.6	0
35	An effective strategy to obtain near-infrared emission from shoulder to shoulder-type binuclear platinum(II) complexes based on fused pyrene core bridged isoquinoline ligands. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2282-2290.	5.5	8
36	Synthesis, mesomorphism, photophysics and device performance of liquid-crystalline pincer complexes of gold(III). <i>Journal of Materials Chemistry C</i> , 2021, 9, 1287-1302.	5.5	10

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37	17.25% high efficiency ternary solar cells with increased open-circuit voltage using a high HOMO level small molecule guest donor in a PM6:Y6 blend. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20493-20501.	10.3	24
38	A small-molecule donor with a thieno[3,2- <i>c</i>]isochromene unit to synchronously improve the efficiency and stability of ternary fullerene organic solar cells. <i>Sustainable Energy and Fuels</i> , 2021, 5, 6406-6413.	4.9	1
39	Highly Efficient and Solution-Processed Single-Emissive-Layer Hybrid White Organic Light-Emitting Diodes with Tris(triazolo)triazine-Based Blue Thermally Activated Delayed Fluorescence Emitter. <i>Advanced Optical Materials</i> , 2021, 9, 2101518.	7.3	21
40	Highly efficient solution-processed white OLEDs via TADF host-sensitized dinuclear platinum (III) complex. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	3
41	Zirconium-Doped Zinc Oxide Nanoparticles as Cathode Interfacial Layers for Efficiently Rigid and Flexible Organic Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 10616-10621.	4.6	11
42	Effects of Side-Chain Engineering with the S Atom in Thieno[3,2- <i>b</i>]thiophene-porphyrin to Obtain Small-Molecule Donor Materials for Organic Solar Cells. <i>Molecules</i> , 2021, 26, 6134.	3.8	2
43	Simple-structure small molecular acceptors based on a benzodithiophenedione core: synthesis, optoelectronic and photovoltaic properties. <i>New Journal of Chemistry</i> , 2021, 45, 22093-22100.	2.8	2
44	Synthesis and optoelectronic properties of a dinuclear iridium (III) complex containing a picolinic acid derivative by nonconjugated linkage with a D-A-D core. <i>Journal of Organometallic Chemistry</i> , 2021, , 122202.	1.8	0
45	Cruciform Molecules Bearing Bis(phenylsulfonyl)benzene Moieties for High-Efficiency Solution Processable OLEDs: When Thermally Activated Delayed Fluorescence Meets Mechanochromic Luminescence. <i>Advanced Optical Materials</i> , 2020, 8, 1901021.	7.3	25
46	An environmentally friendly natural polymer as a universal interfacial modifier for fullerene and non-fullerene polymer solar cells. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1234-1241.	4.9	6
47	Deep Red Iridium(III) Complexes Based on Pyrene-Substituted Quinoxaline Ligands for Solution-Processed Phosphorescent Organic Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2020, 59, 332-342.	4.0	24
48	A feasible approach to obtain near-infrared (NIR) emission from binuclear platinum(II) complexes containing centrosymmetric isoquinoline ligand in PLEDs. <i>Organic Electronics</i> , 2020, 87, 105902.	2.6	8
49	Over 14% efficiency all-polymer solar cells enabled by a low bandgap polymer acceptor with low energy loss and efficient charge separation. <i>Energy and Environmental Science</i> , 2020, 13, 5017-5027.	30.8	170
50	An Effective Approach to Obtain Near-Infrared Emission from Binuclear Platinum(II) Complexes Involving Thiophenpyridine-Isoquinoline Bridging Ligand in Solution-Processed OLEDs. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3003-3012.	3.3	3
51	Boosting the efficiency of PTB7-Th:PC ₇₁ BM polymer solar cells via a low-cost halogen-free supramolecular solid additive. <i>Journal of Materials Chemistry C</i> , 2020, 8, 16551-16560.	5.5	16
52	A novel donor moiety 9,9,9,9-tetramethyl-9,10,10-tetrahydro-2,10-biacridine via one-pot C-H arylation for TADF emitters and their application in highly efficient solution-processable OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8971-8979.	5.5	14
53	Boosting Efficiency of Near-Infrared Emitting Iridium(III) Phosphors by Administrating Their Core-Shell Conjugation Effect of Core-Shell Structure in Solution-Processed OLEDs. <i>Advanced Optical Materials</i> , 2020, 8, 2000154.	7.3	62
54	Blue thermally activated delayed fluorescence based on tris-triazolotriazine core: Synthesis, property and the application for solution-processed OLEDs. <i>Dyes and Pigments</i> , 2020, 182, 108589.	3.7	10

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55	Side-chain engineering of A-D-D-A-type small-molecule electron acceptors for high-performance polymer solar cells with Jsc exceeding 22 ÅmÅcm ² . <i>Dyes and Pigments</i> , 2020, 181, 108581.	3.7	8
56	More efficient spin-orbit coupling: adjusting the ligand field strength to the second metal ion in asymmetric binuclear platinum(II) configurations. <i>Dalton Transactions</i> , 2020, 49, 8722-8733.	3.3	14
57	Highly Emissive Dinuclear Platinum(III) Complexes. <i>Journal of the American Chemical Society</i> , 2020, 142, 7469-7479.	13.7	76
58	Non-fullerene electron acceptors constructed by simple electron-withdrawing core: Distinct effect of bithiazole vs thiazolothiazole core on photovoltaic properties. <i>Dyes and Pigments</i> , 2020, 177, 108319.	3.7	11
59	Significant influence of the benzothiophene ring substitution position on the photovoltaic performance of benzodithiophene-based donor polymers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3183-3191.	5.5	17
60	Exploiting racemism enhanced organic room-temperature phosphorescence to demonstrate Wallach's rule in the lighting chiral chromophores. <i>Nature Communications</i> , 2020, 11, 2145.	12.8	70
61	π-π and p-π conjugation induced NIR-emitting iridium(III) complexes anchored by flexible side chains in a rigid dibenzo[a,c]phenazine moiety and their application in highly efficient solution-processable NIR-emitting devices. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7079-7088.	5.5	48
62	10.13% Efficiency All-Polymer Solar Cells Enabled by Improving the Optical Absorption of Polymer Acceptors. <i>Solar Rrl</i> , 2020, 4, 2000142.	5.8	45
63	A novel AH-D-A-type phase junction material to improve photovoltaic performance and device stability in fullerene OSCs. <i>Chinese Chemical Letters</i> , 2020, 31, 2452-2458.	9.0	4
64	Near-infrared cyclometalated iridium(III) complexes with bipolar features for efficient OLEDs via solution-processing. <i>Dalton Transactions</i> , 2020, 49, 8785-8790.	3.3	12
65	High-performance asymmetric small molecular donor materials based on indenothiophene for solution-processed organic solar cells. <i>Journal of Energy Chemistry</i> , 2019, 31, 27-33.	12.9	2
66	Iridium(III) phosphors with rigid fused-heterocyclic chelating architectures for efficient deep-red/near-infrared emissions in polymer light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10961-10971.	5.5	42
67	An A-D-A-type non-fullerene small-molecule acceptor with strong near-infrared absorption for high performance polymer solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13301-13306.	5.5	37
68	Improving the photovoltaic performance of fluorinated 2,2'-bithiophene core-based D(Ar) ₂ type small molecules via strategically end-capped heteroaromatic substitution. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12217-12230.	5.5	9
69	Molecular isomeric engineering of naphthyl-quinoline-containing dinuclear platinum complexes to tune emission from deep red to near infrared. <i>Journal of Materials Chemistry C</i> , 2019, 7, 630-638.	5.5	39
70	An effective heteroatom-substituted strategy on photovoltaic properties of D(Ar) ₂ small molecules for efficient organic solar cells. <i>Dyes and Pigments</i> , 2019, 170, 107595.	3.7	8
71	Medium-Bandgap (Acceptor) ² Donor)2Acceptor-Type Small-Molecule Donors Based on an Asymmetric Thieno[3,2-c]isochromene Building Block for Organic Solar Cells with High Efficiency and Voltage. <i>ACS Applied Energy Materials</i> , 2019, 2, 4730-4736.	5.1	11
72	Solution-Processed Highly Efficient Bluish-Green Thermally Activated Delayed Fluorescence Emitter Bearing an Asymmetric Oxadiazole-Difluoroboron Double Acceptor. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 24339-24348.	8.0	38

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73	Combining Benzotriazole and Benzodithiophene Host Units in Host-Guest Polymers for Efficient and Stable Near-Infrared Emission from Light-Emitting Electrochemical Cells. <i>Advanced Optical Materials</i> , 2019, 7, 1900280.	7.3	23
74	Small molecule acceptors with indacenodithiophene-benzodithiophene-indacenodithiophene as donating cores for solution-processed non-fullerene solar cells. <i>Chemical Physics Letters</i> , 2019, 726, 7-12.	2.6	12
75	Triphenylamine-functionalized iridium(III) complexes for near-infrared phosphorescent organic light emitting diodes. <i>Dyes and Pigments</i> , 2019, 166, 307-313.	3.7	21
76	An efficient strategy to supervise absorption, mobility, morphology of photovoltaic molecule by inserting a D-A unit. <i>Dyes and Pigments</i> , 2019, 166, 515-522.	3.7	9
77	Simple-Structured NIR-Absorbing Small-Molecule Acceptors with a Thiazolothiazole Core: Multiple Noncovalent Conformational Locks and D-A Effect for Efficient OSCs. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 48128-48133.	8.0	50
78	Spirobifluorene-cored wide bandgap non-fullerene small molecular acceptor with 3D structure for organic solar cells. <i>Dyes and Pigments</i> , 2019, 162, 797-801.	3.7	30
79	Linearly polarized electroluminescence from ionic iridium complex-based metallomesogens: the effect of aliphatic-chain on their photophysical properties. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3298-3309.	5.5	29
80	Significantly Enhancing the Efficiency of a New Light-Harvesting Polymer with Alkylthio naphthyl Substituents Compared to Their Alkoxy Analogs. <i>Advanced Energy Materials</i> , 2018, 8, 1702489.	19.5	37
81	A wide-bandgap polymer based on alkylthio-naphthyl-substituted benzo[1,2-b:4,5-b']dithiophene units for efficient fullerene-based and fullerene-free polymer solar cells. <i>Polymer</i> , 2018, 145, 108-116.	3.8	6
82	Dinuclear platinum(II) complex dominated by a zig-zag-type cyclometalated ligand: a new approach to realize high-efficiency near infrared emission. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5769-5777.	5.5	33
83	SET promotes H2Ak9 acetylation by suppressing HDAC1 in trichloroethylene-induced hepatic cytotoxicity. <i>Environmental Toxicology and Pharmacology</i> , 2018, 59, 125-131.	4.0	7
84	Isomeric organic semiconductors containing fused-thiophene cores: molecular packing and charge transport. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 13171-13177.	2.8	10
85	Two-Dimensional Copolymers Based on an Alkylthionaphthyl-Substituted Benzo[1,2-b:4,5-b']dithiophene for High-Efficiency Polymer Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 1506-1511.	5.1	10
86	P.1: Tuning Color-Correlated Temperature and Color Rendering Index of Phosphorescent White Polymer Light-Emitting Diodes: Towards Healthy Solid-State Lighting. <i>Digest of Technical Papers SID International Symposium</i> , 2018, 49, 731-733.	0.3	0
87	Simple-structured small molecule acceptors constructed by a weakly electron-deficient thiazolothiazole core for high-efficiency non-fullerene organic solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24267-24276.	10.3	78
88	Efficient chemical structure and device engineering for achieving difluorinated 2,2'-bithiophene-based small molecular organic solar cells with 9.0% efficiency. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12493-12505.	10.3	23
89	An overview of phosphorescent metallomesogens based on platinum and iridium. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9848-9860.	5.5	50
90	Near-Infrared Emitting Materials via Harvesting Triplet Excitons: Molecular Design, Properties, and Application in Organic Light Emitting Diodes. <i>Advanced Optical Materials</i> , 2018, 6, 1800466.	7.3	139

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91	Synthesis and optoelectronic properties of dinuclear cyclometalated platinum (II) complexes containing naphthalene-functionalized carbazole groups in the single-emissive-layer WPLEDs. <i>Journal of Organometallic Chemistry</i> , 2017, 835, 52-59.	1.8	7
92	Efficient near-infrared emitting tetradentate bis-cyclometalated platinum (IV) complexes for solution-processed polymer light-emitting diodes. <i>Dyes and Pigments</i> , 2017, 142, 457-464.	3.7	19
93	Improving self-assembly behavior and photovoltaic performance of the indacenodithiophene-based small molecules via increasing dipole moment of the terminal group. <i>Dyes and Pigments</i> , 2017, 144, 142-150.	3.7	23
94	Achieving NIR emission for tetradentate platinum (II) salophen complexes by attaching dual donor-accepter frameworks in the heads of salophen. <i>Dyes and Pigments</i> , 2017, 138, 100-106.	3.7	19
95	Combined optimization of emission layer morphology and hole-transport layer for enhanced performance of perovskite light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6169-6175.	5.5	28
96	Strain-released method to enhance the photovoltaic performance in solution-processed organic solar cells. <i>Dyes and Pigments</i> , 2017, 145, 263-269.	3.7	0
97	Highly efficient blueish-green fluorescent OLEDs based on AIE liquid crystal molecules: from ingenious molecular design to multifunction materials. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3999-4008.	5.5	72
98	Structure-performance correlation of indacenodithiophene-based narrow band-gap polymers with pendant diketopyrrolopyrrole units. <i>Dyes and Pigments</i> , 2017, 141, 21-28.	3.7	14
99	Near-infrared emission from binuclear platinum (II) complexes containing pyrenylpyridine and pyridylthiolate units: Synthesis, photo-physical and electroluminescent properties. <i>Dyes and Pigments</i> , 2017, 138, 162-168.	3.7	40
100	Improving photovoltaic properties of the linear A-Ar-A type small molecules with rhodanine by extending arylene core. <i>Dyes and Pigments</i> , 2017, 139, 42-49.	3.7	6
101	Tetradentate Pt(II) 3,6-substitued salophen complexes: Synthesis and tuning emission from deep-red to near infrared by appending donor-acceptor framework. <i>Organic Electronics</i> , 2017, 50, 317-324.	2.6	21
102	A novel D2-A-D1-A-D2-type donor-acceptor conjugated small molecule based on a benzo[1,2-b:4,5-b']dithiophene core for solution processed organic photovoltaic cells. <i>Chemical Physics Letters</i> , 2017, 667, 254-259.	2.6	8
103	An investigation of methyl tert-butyl ether-induced cytotoxicity and protein profile in Chinese hamster ovary cells. <i>Molecular Medicine Reports</i> , 2017, 16, 8595-8604.	2.4	6
104	The synthesis and properties of the europium(III) complexes using trifluorene-phenanthroline derivative as ligand. <i>Thin Solid Films</i> , 2016, 619, 1-9.	1.8	5
105	Efficient polymer solar cells based on a new quinoxaline derivative with fluorinated phenyl side chain. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2606-2613.	5.5	44
106	Fluorination as an effective tool to increase the photovoltaic performance of indacenodithiophene-alt-quinoxaline based wide-bandgap copolymers. <i>Organic Electronics</i> , 2016, 33, 128-134.	2.6	21
107	Synthesis of multi-armed small molecules with planar terminals and their application in organic solar cells. <i>Dyes and Pigments</i> , 2016, 133, 1-8.	3.7	9
108	Benztiazole-containing donor-acceptor-acceptor type cyclometalated iridium(III) complex for solution-processed near-infrared polymer light emitting diodes. <i>Dyes and Pigments</i> , 2016, 131, 231-238.	3.7	34

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109	Dinuclear platinum complexes containing aryl-isoquinoline and oxadiazole-thiol with an efficiency of over 8.8%: in-depth investigation of the relationship between their molecular structure and near-infrared electroluminescent properties in PLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6007-6015.	5.5	76
110	An efficient method to achieve a balanced open circuit voltage and short circuit current density in polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8291-8297.	10.3	41
111	Photovoltaic Small Molecules of TPA(F ₃ BT-T-Cz) ₃ : Tuning Open-Circuit Voltage over 1.0 V for Their Organic Solar Cells by Increasing Fluorine Substitution. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30320-30327.	8.0	20
112	Wide bandgap copolymers with vertical benzodithiophene dicarboxylate for high-performance polymer solar cells with an efficiency up to 7.49%. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18792-18803.	10.3	30
113	Tuning the fused aromatic rings to enhance photovoltaic performance in wide band-gap polymer solar cells. <i>Polymer</i> , 2016, 104, 130-137.	3.8	10
114	Two Star-Shaped Donor-Acceptor Small Molecules Based on 4,9-Di(thiophen-2-yl)naphtho[2,3-b]thiophene for Solution-Processed Organic Solar Cells. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5127-5135.	2.4	2
115	Dinuclear cyclometalated iridium (III) complex containing functionalized triphenylamine core: synthesis, photophysics and application in the single-emissive-layer WOLEDs. <i>Tetrahedron</i> , 2016, 72, 7164-7169.	1.9	8
116	Spirobifluorene-cored small molecules containing four diketopyrrolopyrrole arms for solution-processed organic solar cells. <i>Journal of Materials Science</i> , 2016, 51, 8018-8026.	3.7	10
117	Engineering the Interconnecting Position of Star-Shaped Donor-Acceptor Molecules Based on Triazine, Spirofluorene, and Triphenylamine Moieties for Color Tuning from Deep Blue to Green. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2555-2563.	3.3	20
118	Dinuclear cyclometalated platinum(II) complexes containing a deep blue fluorescence chromophore: synthesis, photophysics and application in single dopant white PLEDs. <i>Dalton Transactions</i> , 2016, 45, 14131-14140.	3.3	7
119	Influence of integrated alkyl-chain length on the mesogenic and photophysical properties of platinum-based metallomesogens and their application for polarized white OLEDs. <i>Dyes and Pigments</i> , 2016, 133, 238-247.	3.7	29
120	Improved photovoltaic performance of D-type small molecules with isoindigo and pyrene units by inserting different π -conjugated bridge. <i>Tetrahedron</i> , 2016, 72, 4543-4549.	1.9	5
121	D(AA) ₂ architecture: An efficient strategy to improve photovoltaic performance of small molecules for solution-processed organic solar cells. <i>Dyes and Pigments</i> , 2016, 133, 153-160.	3.7	13
122	Starburst Triphenylamine-Based Donor-Acceptor Type Small Molecules for Solution-Processed Organic Solar Cells. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 799-805.	2.4	6
123	Blue and Green Phosphorescent Liquid-Crystalline Iridium Complexes with High Hole Mobility. <i>Chemistry - A European Journal</i> , 2016, 22, 1618-1621.	3.3	28
124	Enhancing the photovoltaic properties of low bandgap terpolymers based on benzodithiophene and phenanthrophenazine by introducing different second acceptor units. <i>Polymer Chemistry</i> , 2016, 7, 1747-1755.	3.9	20
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