

# Recent Progresses on Materials for Electrophosphorescence

Advanced Materials

23, 926-952

DOI: [10.1002/adma.201003128](https://doi.org/10.1002/adma.201003128)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Highly efficient solution-processed green and red electrophosphorescent devices enabled by small-molecule bipolar host material. <i>Journal of Materials Chemistry</i> , 2011, 21, 9326.	6.7	59
2	Metal-containing triarylboron compounds for optoelectronic applications. <i>Dalton Transactions</i> , 2011, 40, 7805.	1.6	173
3	A robust pure hydrocarbon derivative based on the (2,1-b)-indenofluorenyl core with high triplet energy level. <i>Chemical Communications</i> , 2011, 47, 11703.	2.2	48
4	A weak electron transporting material with high triplet energy and thermal stability via a super twisted structure for high efficient blue electrophosphorescent devices. <i>Journal of Materials Chemistry</i> , 2011, 21, 19058.	6.7	12
5	pâ€n Metallophosphor based on cationic iridium(iii) complex for solid-state light-emitting electrochemical cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 13999.	6.7	28
6	Blue-Light Emission of Cu(I) Complexes and Singlet Harvesting. <i>Inorganic Chemistry</i> , 2011, 50, 8293-8301.	1.9	410
7	Synthesis and Properties of a Blue Bipolar Indenofluorene Emitter Based on a D-ËA Design. <i>Organic Letters</i> , 2011, 13, 4418-4421.	2.4	77
8	A Polyboryl-Functionalized Triazine as an Electron Transport Material for OLEDs. <i>Organometallics</i> , 2011, 30, 5552-5555.	1.1	59
9	Efficient Fluorescent Deep-Blue and Hybrid White Emitting Devices Based on Carbazole/Benzimidazole Compound. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14347-14352.	1.5	68
10	Ladder polysilsesquioxane for wide-band semiconductors: synthesis, optical properties and doped electrophosphorescent device. <i>Journal of Materials Chemistry</i> , 2011, 21, 11306.	6.7	15
11	OLED Lighting Technology. <i>Green Energy and Technology</i> , 2011, , 97-149.	0.4	3
12	Investigation of the Photocross-Linking Mechanism in Oxetane-Functionalized Semiconductors. <i>Chemistry of Materials</i> , 2011, 23, 5001-5005.	3.2	49
13	Novel luminescent and electrochromic polyhydrazides and polyoxadiazoles bearing pyrenylamine moieties. <i>Polymer Chemistry</i> , 2011, 2, 1720.	1.9	12
14	Polymers with Carbazole-Oxadiazole Side Chains as Ambipolar Hosts for Phosphorescent Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2011, 23, 4002-4015.	3.2	67
15	Systematic Investigation of the Metal-Structureâ€Photophysics Relationship of Emissive d <sup>10</sup> -Complexes of Group 11 Elements: The Prospect of Application in Organic Light Emitting Devices. <i>Journal of the American Chemical Society</i> , 2011, 133, 12085-12099.	6.6	306
16	Four-Coordinate Organoboron Compounds with a Ë-Conjugated Chelate Ligand for Optoelectronic Applications. <i>Inorganic Chemistry</i> , 2011, 50, 12263-12274.	1.9	248
17	Tuning of Charge Balance in Bipolar Host Materials for Highly Efficient Solution-Processed Phosphorescent Devices. <i>Organic Letters</i> , 2011, 13, 3146-3149.	2.4	102
18	Ladder Polysiloxanes for Optoelectronic Applications. , 2011, , .		0

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19	Highly Efficient Blue Electrophosphorescent Device Using a Weak Electron Transporting Material. , 2011, , .		0
20	High-Color-Quality White Top-Emitting Organic Electroluminescent Devices Based on Both Exciton and Electroplex Emission. Applied Physics Express, 2011, 4, 082105.	1.1	11
21	Diacenaphtho[1,2- <i>b,c</i> ];1 <sup>2</sup> ,2 <sup>2</sup> - <i>d</i> ]silole and -pyrrole. Chemistry Letters, 2011, 40, 1437-1439.	0.7	9
22	Novel heterofluorene-based hosts for highly efficient blue electrophosphorescence at low operating voltages. Organic Electronics, 2011, 12, 1619-1624.	1.4	29
23	The relationship between the device performance and hole mobility of host materials in mixed host system for deep blue phosphorescent organic light emitting devices. Organic Electronics, 2011, 12, 1973-1979.	1.4	18
24	Electroluminescence of organic light-emitting diodes consisting of an undoped (pbi) <sub>2</sub> Ir(acac) phosphorescent layer. Physica B: Condensed Matter, 2011, 406, 4249-4252.	1.3	6
25	A thiocyanate-bridging dimeric cyclometalated iridium(III) complex: Synthesis, structure and phosphorescence behaviours towards metal ions. Inorganic Chemistry Communication, 2011, 14, 1937-1939.	1.8	6
26	The triplet state of organo-transition metal compounds. Triplet harvesting and singlet harvesting for efficient OLEDs. Coordination Chemistry Reviews, 2011, 255, 2622-2652.	9.5	1,114
27	Molecular orientation in small-molecule organic light-emitting diodes. Journal of Materials Chemistry, 2011, 21, 19187.	6.7	527
28	Soluble, redox-active, and blue-emitting poly(amide-hydrazide)s and poly(amide-1,3,4-oxadiazole)s containing pyrenylamine units. Journal of Polymer Science Part A, 2011, 49, 4830-4840.	2.5	8
29	Investigating Morphology and Stability of Fac-Tris (2-phenylpyridyl)iridium(III) Films for OLEDs. Advanced Functional Materials, 2011, 21, 2225-2231.	7.8	44
30	New Solution-processable Electron Transport Materials for Highly Efficient Blue Phosphorescent OLEDs. Advanced Functional Materials, 2011, 21, 3889-3899.	7.8	98
31	Advanced Organic Optoelectronic Materials: Harnessing Excited-State Intramolecular Proton Transfer (ESIPT) Process. Advanced Materials, 2011, 23, 3615-3642.	11.1	992
32	Graded-host phosphorescent light-emitting diodes with high efficiency and reduced roll-off. AIP Advances, 2012, 2, 012192.	0.6	15
33	Color Stability of Blue Phosphorescent Organic Light-Emitting Diodes with Undoped Layer in Emissive Layer. Japanese Journal of Applied Physics, 2012, 51, 09MH02.	0.8	0
34	Carborane-Based Optoelectronically Active Organic Molecules: Wide Band Gap Host Materials for Blue Phosphorescence. Journal of the American Chemical Society, 2012, 134, 17982-17990.	6.6	224
35	Synthesis and Photophysical Properties of Aryl-Substituted 2-Borylbenzaldimines and Their Extended $\pi$ -Conjugated Congeners. Journal of Organic Chemistry, 2012, 77, 2176-2184.	1.7	20
36	The $\pi$ -Nature of Methyl Obtained by the Natural Bond Orbital Method: Orbital-Based Rationalizations of Site-Dependent Substitution Effects on Fine Color-Tuning of Luminescence. Journal of the Chinese Chemical Society, 2012, 59, 1385-1389.	0.8	3

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37	Electrophosphorescence of a Thiocyanate-Bridging Dimeric Cyclometalated Iridium(III) Complex. , 2012, , ,		0
38	Phenylcarbazole-dipyridyl triazole hybrid as bipolar host material for phosphorescent OLEDs. Journal of Materials Chemistry, 2012, 22, 5410.	6.7	48
39	Dipyridylketone as a versatile ligand precursor for new cationic heteroleptic cyclometalated iridium complexes. Dalton Transactions, 2012, 41, 1065-1073.	1.6	13
40	Durene-decorated CBP derivatives as phosphorescent hosts and exciton-blocking materials for efficient blue OLEDs. Journal of Materials Chemistry, 2012, 22, 19700.	6.7	13
41	A dicarbazole-triazine hybrid bipolar host material for highly efficient green phosphorescent OLEDs. Journal of Materials Chemistry, 2012, 22, 3832.	6.7	116
42	Temporal stability of blue phosphorescent organic light-emitting diodes affected by thermal annealing of emitting layers. Journal of Materials Chemistry, 2012, 22, 23175.	6.7	24
43	Phosphorescent OLEDs assembled using Os(II) phosphors and a bipolar host material consisting of both carbazole and dibenzophosphole oxide. Journal of Materials Chemistry, 2012, 22, 10684.	6.7	53
44	Improving the Performance of Pt(II) Complexes for Blue Light Emission by Enhancing the Molecular Rigidity. Inorganic Chemistry, 2012, 51, 312-319.	1.9	211
45	Deep-Blue-Emitting Heteroleptic Iridium(III) Complexes Suited for Highly Efficient Phosphorescent OLEDs. Chemistry of Materials, 2012, 24, 3684-3695.	3.2	198
46	Short-Axis Substitution Approach Selectively Optimizes Electrical Properties of Dibenzothiophene-Based Phosphine Oxide Hosts. Journal of the American Chemical Society, 2012, 134, 19179-19188.	6.6	123
47	Role of electronic localization in the phosphorescence of iridium sensitizing dyes. Journal of Chemical Physics, 2012, 137, 154309.	1.2	27
48	Dinuclear cyclometalated platinum (II) complexes: Synthesis, photophysics, and monomolecular electroluminescence. Organic Electronics, 2012, 13, 1646-1653.	1.4	10
49	Twisted bimesitylene-based oxadiazoles as novel host materials for phosphorescent OLEDs. Tetrahedron, 2012, 68, 7502-7508.	1.0	27
50	Blue Phosphorescence of Trifluoromethyl- and Trifluoromethoxy-Substituted Cationic Iridium(III) Isocyanide Complexes. Organometallics, 2012, 31, 6288-6296.	1.1	47
51	Design of Efficient Thermally Activated Delayed Fluorescence Materials for Pure Blue Organic Light Emitting Diodes. Journal of the American Chemical Society, 2012, 134, 14706-14709.	6.6	1,370
52	Energy transfer by singlet and triplet excitons in carbazole-containing polymers. Journal of Applied Spectroscopy, 2012, 79, 559-566.	0.3	2
53	Highly Efficient and Stable Red Phosphorescent Organic Light-Emitting Diodes Using Platinum Complexes. Advanced Materials, 2012, 24, 5099-5103.	11.1	160
54	A Versatile Ruthenium(II)-NNC Complex Catalyst for Transfer Hydrogenation of Ketones and Oppenauer-Type Oxidation of Alcohols. Chemistry - A European Journal, 2012, 18, 11550-11554.	1.7	65

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55	Organometallic chemistry. Annual Reports on the Progress of Chemistry Section B, 2012, 108, 71.	0.8	4
56	Efficient orange light-emitting electrochemical cells. Journal of Materials Chemistry, 2012, 22, 19264.	6.7	62
57	Novel bipolar host materials based on 1,3,5-triazine derivatives for highly efficient phosphorescent OLEDs with extremely low efficiency roll-off. Physical Chemistry Chemical Physics, 2012, 14, 14255.	1.3	52
58	Enhanced Power Efficiency of Organic Light-Emitting Diodes using Pentacene on $\text{CF}_4$ -Plasma-Treated Indium Tin Oxide Anodes. IEEE Electron Device Letters, 2012, 33, 1156-1158.	2.2	8
59	Influence of interlayer on the performance of phosphorescent white organic light-emitting devices. Displays, 2012, 33, 142-145.	2.0	7
60	Comparison of electron transporting layer in white OLED with a double emissive layer structure. Displays, 2012, 33, 191-194.	2.0	7
61	Synthesis and electroluminescent properties of red emissive iridium(III) complexes with ester-substituted phenylquinoline ligands. Synthetic Metals, 2012, 162, 1701-1706.	2.1	7
62	Ultra high-efficiency multi-photon emission blue phosphorescent OLEDs with external quantum efficiency exceeding 40%. Organic Electronics, 2012, 13, 2615-2619.	1.4	66
63	Blue PhOLEDs Using the Mixed Host of UGH2 and Carbazole Derivative Doped with FCNlr(pic). Molecular Crystals and Liquid Crystals, 2012, 563, 215-222.	0.4	0
64	Solution-processed, Self-organized Organic Single Crystal Arrays with Controlled Crystal Orientation. Scientific Reports, 2012, 2, 393.	1.6	87
65	Synthesis and optoelectronic properties of a carbazole-modified platinum( $\text{II}$ ) complex in polymer light-emitting devices. Dalton Transactions, 2012, 41, 1074-1081.	1.6	17
66	Polyaniline films doped with ladder-type sulfonated polyphenylsilsesquioxane and unusual dependence of their electrical conductivity on temperature. Journal of Materials Chemistry, 2012, 22, 18151.	6.7	7
67	Phosphoryl/Sulfonyl-Substituted Iridium Complexes as Blue Phosphorescent Emitters for Single-Layer Blue and White Organic Light-Emitting Diodes by Solution Process. Chemistry of Materials, 2012, 24, 4581-4587.	3.2	138
68	Host materials for blue phosphorescent OLEDs. Proceedings of SPIE, 2012, , .	0.8	0
69	Configuration effect of novel bipolar triazole/carbazole-based host materials on the performance of phosphorescent OLED devices. Organic Electronics, 2012, 13, 2210-2219.	1.4	53
70	High-performance multilayered phosphorescent OLEDs by solution-processed commercial electron-transport materials. Journal of Materials Chemistry, 2012, 22, 4660.	6.7	79
71	Poly(dendrimers) with Phosphorescent Iridium(III) Complex-Based Side Chains Prepared via Ring-Opening Metathesis Polymerization. Macromolecules, 2012, 45, 2963-2971.	2.2	34
72	Enhanced Hole Injection in Phosphorescent Organic Light-Emitting Diodes by Thermally Evaporating a Thin Indium Trichloride Layer. ACS Applied Materials & Interfaces, 2012, 4, 5211-5216.	4.0	37

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73	A <i>m</i> -Terphenyl-Modified Sulfone Derivative as a Host Material for High-Efficiency Blue and Green Phosphorescent OLEDs. <i>Chemistry of Materials</i> , 2012, 24, 1404-1406.	3.2	125
74	Dependence of Light-Emitting Characteristics of Blue Phosphorescent Organic Light-Emitting Diodes on Electron Injection and Transport Materials. <i>ETRI Journal</i> , 2012, 34, 690-695.	1.2	19
75	Polyfluorene derivatives pending iridium complexes: Improved optoelectronic properties by introducing D $\pi$ A units and altering pendent mode. <i>Journal of Polymer Science Part A</i> , 2012, 50, 1900-1905.	2.5	10
76	Spirobifluorene derivative: a pure blue emitter (CIEy $\hat{=}$ 0.08) with high efficiency and thermal stability. <i>Journal of Materials Chemistry</i> , 2012, 22, 15136.	6.7	30
77	Luminescent iridium(III) complexes as novel protein staining agents. <i>Electrophoresis</i> , 2012, 33, 1397-1401.	1.3	23
78	Effects of Fluorination on Iridium(III) Complex Phosphorescence: Magnetic Circular Dichroism and Relativistic Time-Dependent Density Functional Theory. <i>Inorganic Chemistry</i> , 2012, 51, 2821-2831.	1.9	48
79	Synthesis and physical properties of meta-terphenyloxadiazole derivatives and their application as electron transporting materials for blue phosphorescent and fluorescent devices. <i>Journal of Materials Chemistry</i> , 2012, 22, 17792.	6.7	30
80	Oxide Semiconductor Thin-Film Transistors: A Review of Recent Advances. <i>Advanced Materials</i> , 2012, 24, 2945-2986.	11.1	2,590
81	3,3 $\pi$ -Carbazole-Based Host Materials for High-Efficiency Blue Phosphorescent OLEDs with Extremely Low Driving Voltage. <i>Advanced Materials</i> , 2012, 24, 3212-3217.	11.1	194
82	<i>N</i> -Heterocyclic Carbazole-Based Hosts for Simplified Single-Layer Phosphorescent OLEDs with High Efficiencies. <i>Advanced Materials</i> , 2012, 24, 2922-2928.	11.1	104
83	New Host Material for High-Performance Blue Phosphorescent Organic Electroluminescent Devices. <i>Advanced Materials</i> , 2012, 24, 2911-2915.	11.1	149
84	Synthesis, Structure, and Physical Properties of 5,7,14,16-Tetraphenyl-8,9,12:13-bisbenzo-hexatwistacene. <i>Chemistry - an Asian Journal</i> , 2012, 7, 561-564.	1.7	112
85	Bluish-Green BMes <sub>2</sub> -Functionalized Pt <sup>II</sup> Complexes for High Efficiency PhOLEDs: Impact of the BMes <sub>2</sub> Location on Emission Color. <i>Chemistry - A European Journal</i> , 2012, 18, 11306-11316.	1.7	71
86	CH <sub>2</sub> , NH, and O heteroatom substitution effects on the electronic, optical, and charge transport properties of a 2,1,3-benzothiadiazole-based derivative: Insights from theory. <i>Science China Chemistry</i> , 2012, 55, 1364-1369.	4.2	2
87	Photochromic four-coordinate N,C-chelate boron compounds. <i>Coordination Chemistry Reviews</i> , 2012, 256, 759-770.	9.5	175
88	Electroluminescence from two new ruthenium(II) complexes as phosphorescent dopant: Positive effect of swallow-tail bipyridyl ligand. <i>Dyes and Pigments</i> , 2012, 95, 23-32.	2.0	19
89	Synthesis and optical properties of 6,10-dihydrofluoreno[2,3-d:6,7-d $\pi$ ]diimidazole derivatives. <i>Dyes and Pigments</i> , 2012, 94, 583-591.	2.0	12
90	Highly efficient soluble materials for blue phosphorescent organic light-emitting diode. <i>Dyes and Pigments</i> , 2012, 95, 221-228.	2.0	19

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91	High-efficiency white organic light-emitting devices with a non-doped yellow phosphorescent emissive layer. <i>Thin Solid Films</i> , 2012, 520, 4003-4007.	0.8	15
92	An alternative way to use the triplet energy of fluorescent dyes in organic light-emitting devices via an external iodide. <i>Organic Electronics</i> , 2012, 13, 195-198.	1.4	1
93	An organic p-n junction as an efficient and cathode independent electron injection layer for flexible inverted organic light emitting diodes. <i>Organic Electronics</i> , 2012, 13, 545-549.	1.4	28
94	Enhancing the efficiency of simplified red phosphorescent organic light emitting diodes by exciton harvesting. <i>Organic Electronics</i> , 2012, 13, 925-931.	1.4	57
95	All-small-molecule efficient white organic light-emitting diodes by multi-layer blade coating. <i>Organic Electronics</i> , 2012, 13, 914-918.	1.4	55
96	Solution-processed blue-green organic light-emitting diodes based on cationic iridium complexes with 1-pyridyl-3-methylimidazolin-2-ylidene-C <sub>2</sub> as the ancillary ligand. <i>Organic Electronics</i> , 2012, 13, 1277-1288.	1.4	46
97	Efficient deep blue electrophosphorescent devices based on platinum(II) bis(n-methyl-imidazolyl)benzene chloride. <i>Organic Electronics</i> , 2012, 13, 1430-1435.	1.4	100
98	Phthalonitrile based fluorophores as fluorescent dopant emitters in deep-blue OLEDs: Approaching the NTSC standard for blue. <i>Organic Electronics</i> , 2012, 13, 1479-1485.	1.4	15
99	Non-doped phosphorescent white organic light-emitting devices with a quadruple-quantum-well structure. <i>Physica B: Condensed Matter</i> , 2012, 407, 2753-2757.	1.3	7
100	Combined host-guest doping and host-free systems for high-efficiency white organic light-emitting devices. <i>Journal of Luminescence</i> , 2012, 132, 1994-1998.	1.5	15
101	Luminescent Organoplatinum(II) Complexes with Functionalized Cyclometalated C <sup>N</sup> C Ligands: Structures, Photophysical Properties, and Material Applications. <i>Chemistry - A European Journal</i> , 2012, 18, 96-109.	1.7	110
102	White Organic Light-Emitting Diodes Based on Quench-Resistant Fluorescent Organophosphorus Dopants. <i>Advanced Functional Materials</i> , 2012, 22, 567-576.	7.8	66
103	Charge Injection in Solution-Processed Organic Field-Effect Transistors: Physics, Models and Characterization Methods. <i>Advanced Materials</i> , 2012, 24, 1357-1387.	11.1	389
104	The Nuts and Bolts of Low-level Laser (Light) Therapy. <i>Annals of Biomedical Engineering</i> , 2012, 40, 516-533.	1.3	1,056
105	The Effects of Different Solvents and Excitation Wavelength on the Photophysical Properties of Two Novel Ir(III) Complexes Based on Phenylcinnoline Ligand. <i>Journal of Fluorescence</i> , 2013, 23, 865-875.	1.3	10
106	A tetraphenylethene-substituted pyridinium salt with multiple functionalities: synthesis, stimuli-responsive emission, optical waveguide and specific mitochondrion imaging. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4640.	2.7	193
107	Luminescent biscyclometalated arylpyridine iridium(III) complexes with 4,4'-bi-1,2,3-triazolyl ancillary ligands. <i>Dalton Transactions</i> , 2013, 42, 13527.	1.6	41
108	Phosphorescence from a pure organic fluorene derivative in solution at room temperature. <i>Chemical Communications</i> , 2013, 49, 8447.	2.2	140

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109	High-Efficiency Wet- and Dry-Processed Green Organic Light Emitting Diodes with a Novel Iridium Complex-Based Emitter. <i>Advanced Optical Materials</i> , 2013, 1, 657-667.	3.6	42
110	Ruthenium-Catalyzed <i>ortho</i> -Alkenylation of Phenylphosphine Oxides through Regio- and Stereoselective Alkyne Insertion into C-H Bonds. <i>Journal of Organic Chemistry</i> , 2013, 78, 8098-8104.	1.7	80
111	Solution Processed Organic Double Light-Emitting Layer Diode Based on Cross-Linkable Small Molecular Systems. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9563-9567.	7.2	52
112	Tracking of Tuning Effects in Bis-Cyclometalated Iridium Complexes: A Combined Time Resolved Infrared Spectroscopy, Electrochemical, and Computational Study. <i>Inorganic Chemistry</i> , 2013, 52, 8795-8804.	1.9	30
113	Highly Efficient Greenish-Yellow Phosphorescent Organic Light-Emitting Diodes Based on Interzone Exciton Transfer. <i>Advanced Functional Materials</i> , 2013, 23, 3204-3211.	7.8	26
114	Synthesis, Characterization, and Photophysical Properties of Heteroleptic Copper(I) Complexes with Functionalized 3-(2-pyridyl)-1,2,4-triazole Chelating Ligands. <i>Inorganic Chemistry</i> , 2013, 52, 9727-9740.	1.9	92
115	Phosphorescent Ir(III) complexes with both cyclometalate chromophores and phosphine-silanolate ancillary: concurrent conversion of organosilane to silanolate. <i>Dalton Transactions</i> , 2013, 42, 7111.	1.6	40
116	High-efficiency blue phosphorescent organic light-emitting diodes using a carbazole and carboline-based host material. <i>Chemical Communications</i> , 2013, 49, 6788.	2.2	52
117	C <sup>†</sup> C*-cyclometalated platinum(II) complexes with trifluoromethyl-acetylacetonate ligands - Synthesis and electronic effects. <i>Journal of Organometallic Chemistry</i> , 2013, 730, 37-43.	0.8	16
118	Efficient blue and bluish-green iridium phosphors: Fine-tuning emissions of Irpic by halogen substitution on pyridine-containing ligands. <i>Organic Electronics</i> , 2013, 14, 3163-3171.	1.4	9
119	Lithium, zinc and scandium complexes of phosphorylated salicylaldimines: synthesis, structure, thermochemical and photophysical properties, and application in OLEDs. <i>RSC Advances</i> , 2013, 3, 24484.	1.7	14
120	Photophysical Properties of Substituted Homoleptic and Heteroleptic Phenylimidazolinato Ir(III) Complexes as a Blue Phosphorescent Material. <i>Inorganic Chemistry</i> , 2013, 52, 12338-12350.	1.9	56
121	Deep blue phosphorescent organic light-emitting diodes with excellent external quantum efficiency. <i>Organic Electronics</i> , 2013, 14, 3228-3233.	1.4	27
122	Ultra-high general and special color rendering index white organic light-emitting device based on a deep red phosphorescent dye. <i>Organic Electronics</i> , 2013, 14, 3201-3205.	1.4	28
123	Constructing high-performance blue, yellow and red electroluminescent devices based on a class of multifunctional organic materials. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6594.	2.7	36
124	Synthesis, optoelectronic properties of a dinuclear platinum( <sup>ii</sup> ) complex containing a binary cyclometalated ligand in the single-emissive-layer PLEDs. <i>Dalton Transactions</i> , 2013, 42, 1231-1237.	1.6	19
125	High-Efficiency Small-Molecule-Based Organic Light Emitting Devices with Solution Processes and Oxadiazole-Based Electron Transport Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 10614-10622.	4.0	24
126	Realizing Molecular Pixel System for Full-Color Fluorescence Reproduction: RGB-Emitting Molecular Mixture Free from Energy Transfer Crosstalk. <i>Journal of the American Chemical Society</i> , 2013, 135, 11239-11246.	6.6	165



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127	Tetraphenylsilane derivatives spiro-annulated by triphenylamine/carbazole with enhanced HOMO energy levels and glass transition temperatures without lowering triplet energy: host materials for efficient blue phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2013, 1, 463-469.	2.7	57
128	Effective Alkoxylation of Phosphorescent Heteroleptic Iridium(III) Compounds Bearing Fluorinated Bipyridine Ligands. <i>Organometallics</i> , 2013, 32, 6427-6436.	1.1	54
129	A New Class of Sky-Blue-Emitting Ir(III) Phosphors Assembled Using Fluorine-Free Pyridyl Pyrimidine Cyclometalates: Application toward High-Performance Sky-Blue- and White-Emitting OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 7341-7351.	4.0	90
130	Highly Efficient Blue Organic Light-Emitting Diodes Based on Intermolecular Triplet-Singlet Energy Transfer. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22538-22544.	1.5	65
131	Bipolar host materials for high efficiency phosphorescent organic light emitting diodes: tuning the HOMO/LUMO levels without reducing the triplet energy in a linear system. <i>Journal of Materials Chemistry C</i> , 2013, 1, 8177.	2.7	63
132	High Power Efficiency Yellow Phosphorescent OLEDs by Using New Iridium Complexes with Halogen-Substituted 2-Phenylbenzo[ <i>c</i> ]thiazole Ligands. <i>Journal of Physical Chemistry C</i> , 2013, 117, 19134-19141.	1.5	69
133	A New Exciton Blocking Material for Organic Solar Cell Applications. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 585, 138-144.	0.4	1
134	Solution processable small molecular host materials for blue and white phosphorescence OLEDs. <i>Proceedings of SPIE</i> , 2013, . .	0.8	0
135	Recent Progress in Phosphorescent Organic Light-Emitting Devices. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7653-7663.	1.2	242
136	A new multifunctional fluorenyl carbazole hybrid for high performance deep blue fluorescence, orange phosphorescent host and fluorescence/phosphorescence white OLEDs. <i>Dyes and Pigments</i> , 2013, 97, 273-277.	2.0	20
137	Charge carrier mobility through vacuum-sublimed glassy films of s-triazine- and carbazole-based bipolar hybrid and unipolar compounds. <i>Organic Electronics</i> , 2013, 14, 2925-2931.	1.4	8
138	Enhanced efficiency in single-host white organic light-emitting diode by triplet exciton conversion. <i>Journal of Luminescence</i> , 2013, 143, 108-112.	1.5	15
139	Constructing Low-Triplet-Energy Hosts for Highly Efficient Blue PHOLEDs: Controlling Charge and Exciton Capture in Doping Systems. <i>Chemistry of Materials</i> , 2013, 25, 4966-4976.	3.2	46
140	Tetrahedral silicon-based luminescent molecules: Synthesis and comparison of thermal and photophysical properties by various effect factors. <i>Journal of Organometallic Chemistry</i> , 2013, 735, 58-64.	0.8	11
141	Strong Solid-State Phosphorescence of 1,2-Telluraplatinacycles Incorporated into Rigid Dibenzobarrelene and Triptycene Skeletons. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5233-5239.	1.0	10
142	Synthesis, crystal structure and photoluminescence of phosphorescent copper (I) complexes containing hole-transporting carbazoly moiety. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 109, 179-185.	2.0	14
143	Enhancing the incorporation compatibility of molybdenum oxides in organic light emitting diodes with gap state formations. <i>Journal of Applied Physics</i> , 2013, 114, 063710.	1.1	16
144	New oxazoline- and thiazoline-containing heteroleptic iridium(III) complexes for highly-efficient phosphorescent organic light-emitting devices (PHOLEDs): colour tuning by varying the electroluminescence bandwidth. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6800.	2.7	27

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145	Optical design for improving optical properties of top-emitting organic light emitting diodes. <i>Journal of Applied Physics</i> , 2013, 113, 113105.	1.1	16
146	Harvesting Fluorescence from Efficient T <sub>1</sub> S <sub>1</sub> ( <i>T<sub>1</sub> S<sub>1</sub></i> ) T <sub>1</sub> ETQq1 1 0.784314 rgB <i>Chemistry C</i> , 2013, 117, 20494-20499.	1.5	8
147	Effect of pH on the photophysical properties of two new carboxylic-substituted iridium(III) complexes. <i>Analyst</i> , 2013, 138, 1689.	1.7	15
148	Brightly Blue and Green Emitting Cu(I) Dimers for Singlet Harvesting in OLEDs. <i>Journal of Physical Chemistry A</i> , 2013, 117, 11823-11836.	1.1	224
149	Syntheses, Photoluminescence, and Electroluminescence of Iridium(III) Complexes with Fluorinated 2-Phenylpyridine as Main Ligands and Tetraphenylimidodiphosphinate as Ancillary Ligand. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5683-5693.	1.0	26
150	Efficient blue-emitting electrophosphorescent organic light-emitting diodes using 2-(3,5-di(carbazol-9-yl)phenyl)-5-phenyl-1,3,4-oxadiazole as an ambipolar host. <i>RSC Advances</i> , 2013, 3, 23514.	1.7	9
151	Phosphorescent properties of metal-free diphosphine ligands and effects of copper binding. <i>Dalton Transactions</i> , 2013, 42, 16096.	1.6	37
152	Evaluation of propylene-, meta-, and para-linked triazine and tert-butyltriphenylamine as bipolar hosts for phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2224.	2.7	33
153	Synthesis, photophysics, and reverse saturable absorption of platinum complexes bearing extended $\pi$ -conjugated C <sup>N</sup> N ligands. <i>Dalton Transactions</i> , 2013, 42, 14021.	1.6	19
154	A CBP derivative as bipolar host for performance enhancement in phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2013, 1, 757-764.	2.7	67
155	Highly efficient blue phosphorescent and electroluminescent Ir(III) compounds. <i>Journal of Materials Chemistry C</i> , 2013, 1, 441-450.	2.7	76
156	Bipolar luminescent materials containing pyrimidine terminals: synthesis, photophysical properties and a theoretical study. <i>RSC Advances</i> , 2013, 3, 21877.	1.7	19
157	Robust phosphorescent platinum(II) complexes with tetradentate O <sup>N</sup> S <sup>C</sup> N ligands: high efficiency OLEDs with excellent efficiency stability. <i>Chemical Communications</i> , 2013, 49, 1497.	2.2	118
158	Single-Layer White Polymer Phosphorescent Light-Emitting Diodes Employing Poly(Ethylene Glycol) Dimethyl Ether Blended in the Emissive Layer as Functional Interlayer. <i>Journal of Display Technology</i> , 2013, 9, 483-489.	1.3	2
159	Pyridine-based electron transporting materials for highly efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1770-1777.	5.2	39
160	Sky-blue phosphorescent iridium(III) complexes with two substituted 2-phenylpyridine derivatives and one picolinic acid for organic light-emitting diodes. <i>Journal of Organometallic Chemistry</i> , 2013, 724, 244-250.	0.8	10
161	Effects of electron blocking and hole trapping of the red guest emitter materials on hybrid white organic light emitting diodes. <i>Thin Solid Films</i> , 2013, 544, 59-63.	0.8	3
162	Highly efficient, solution-processed orange-red phosphorescent OLEDs by using new iridium phosphor with thieno[3,2-c]pyridine derivative as cyclometalating ligand. <i>Organic Electronics</i> , 2013, 14, 3392-3398.	1.4	29

#	ARTICLE	IF	CITATIONS
163	An indole derivative as a high triplet energy hole transport material for blue phosphorescent organic light-emitting diodes. <i>Thin Solid Films</i> , 2013, 548, 603-607.	0.8	9
164	Highly Efficient Electron-Transporting/Injecting and Thermally Stable Naphthyridines for Organic Electrophosphorescent Devices. <i>Advanced Functional Materials</i> , 2013, 23, 1323-1330.	7.8	41
165	Novel host materials based on phenanthroimidazole derivatives for highly efficient green phosphorescent OLEDs. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 268, 37-43.	2.0	26
166	A novel electron transport material with triazole and diphenylphosphine oxide moieties for high efficiency OLEDs. <i>Tetrahedron</i> , 2013, 69, 9038-9044.	1.0	18
167	Energy transfer and phosphorescence-quenching dynamics in a phosphorescent host-guest system. <i>Chemical Physics Letters</i> , 2013, 561-562, 52-56.	1.2	2
168	Sensitivity boosting in solid-state NMR of thin organic semiconductors by a paramagnetic dopant of copper phthalocyanine. <i>Chemical Physics Letters</i> , 2013, 556, 195-199.	1.2	7
169	High-efficiency and heavily doped organic light-emitting devices based on quench-resistant red iridium complex. <i>Journal of Luminescence</i> , 2013, 134, 870-873.	1.5	8
170	Phosphorescent white organic light-emitting devices with color stability and low efficiency decay by using wide band-gap interlayer. <i>Optoelectronics Letters</i> , 2013, 9, 25-29.	0.4	0
171	Highly efficient green phosphorescent OLEDs based on a novel iridium complex. <i>Journal of Materials Chemistry C</i> , 2013, 1, 560-565.	2.7	86
172	Single-Doped White Organic Light-Emitting Device with an External Quantum Efficiency Over 20%. <i>Advanced Materials</i> , 2013, 25, 2573-2576.	11.1	148
173	Controlling optoelectronic properties of carbazole-phosphine oxide hosts by short-axis substitution for low-voltage-driving PHOLEDs. <i>Chemical Communications</i> , 2013, 49, 2822.	2.2	34
174	Development of high performance OLEDs for general lighting. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1699.	2.7	614
175	Fabrication of organic electrochemiluminescence devices with $\pi$ -conjugated polymer materials. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2826.	2.7	30
176	Blue-emitting Ir(III) phosphors with 2-pyridyl triazolone chromophores and fabrication of sky blue- and white-emitting OLEDs. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2639.	2.7	69
177	Syntheses, Photoluminescence, and Electroluminescence of a Series of Iridium Complexes with Trifluoromethyl-Substituted 2-Phenylpyridine as the Main Ligands and Tetraphenylimidodiphosphinate as the Ancillary Ligand. <i>Inorganic Chemistry</i> , 2013, 52, 4916-4925.	1.9	98
179	High quantum efficiency in blue phosphorescent organic light emitting diodes using ortho-substituted high triplet energy host materials. <i>Organic Electronics</i> , 2013, 14, 1602-1607.	1.4	9
180	Synthesis and Properties of New Phosphorescent Red Light-Excitable Platinum(II) and Palladium(II) Complexes with Schiff Bases for Oxygen Sensing and Triplet-Triplet Annihilation-Based Upconversion. <i>Inorganic Chemistry</i> , 2013, 52, 1206-1216.	1.9	84
181	The use of siloxanes, silsesquioxanes, and silicones in organic semiconducting materials. <i>Chemical Society Reviews</i> , 2013, 42, 5119.	18.7	106

#	ARTICLE	IF	CITATIONS
182	Optical Properties of Light-Emitting Liquid Crystals. Springer Series in Materials Science, 2013, , 173-196.	0.4	2
183	Synthesis, Crystal Structure and Photoluminescence of a Cyclometalated Iridium(III) Coumarin Complex. Journal of Fluorescence, 2013, 23, 777-783.	1.3	6
184	Light-emitting platinum(ii) complexes supported by tetradentate dianionic bis(N-heterocyclic carbene) ligands: towards robust blue electrophosphors. Chemical Science, 2013, 4, 2630.	3.7	152
185	Multiple approaches for enhancing all-organic electronics photoluminescent sensors: Simultaneous oxygen and pH monitoring. Analytica Chimica Acta, 2013, 778, 70-78.	2.6	33
186	Modulating the Optoelectronic Properties of Large, Conjugated, High-Energy Gap, Quaternary Phosphine Oxide Hosts: Impact of the Triplet-Excited-State Location. Chemistry - A European Journal, 2013, 19, 9549-9561.	1.7	25
187	Iridium(III) Emitters Based on 1,4-Disubstituted-1 <i>H</i> -1,2,3-triazoles as Cyclometalating Ligand: Synthesis, Characterization, and Electroluminescent Devices. Inorganic Chemistry, 2013, 52, 1812-1824.	1.9	76
188	Solid-State Phosphorescence of <i>trans</i> -Bis(salicylaldiminato)platinum(II) Complexes Bearing Long Alkyl Chains: Morphology Control towards Intense Emission. Chemistry - A European Journal, 2013, 19, 9497-9505.	1.7	36
189	Cyclometalated Ir(III) Complexes for High-Efficiency Solution-Processable Blue PhOLEDs. Chemistry of Materials, 2013, 25, 2352-2358.	3.2	108
190	Acid-Induced Degradation and Ancillary Ligand Replacement of Biscyclometalated Iridium(III) Complexes. ChemPlusChem, 2013, 78, 413-418.	1.3	8
191	Near-infrared phosphorescence: materials and applications. Chemical Society Reviews, 2013, 42, 6128.	18.7	566
192	Guanidinate ligated iridium(III) complexes with various cyclometalated ligands: synthesis, structure, and highly efficient electrophosphorescent properties with a wide range of emission colours. Journal of Materials Chemistry C, 2013, 1, 677-689.	2.7	28
193	Synthesis, characterization of the phenylquinoline-based on iridium(III) complexes for solution processable phosphorescent organic light-emitting diodes. Organic Electronics, 2013, 14, 2114-2123.	1.4	33
194	Growth and Alignment of Thin Film Organic Single Crystals from Dewetting Patterns. ACS Nano, 2013, 7, 5506-5513.	7.3	20
195	Influence of macromolecule main chain structure on electron excitation energy transfer in carbazole-containing polymers. Journal of Applied Spectroscopy, 2013, 80, 164-169.	0.3	4
196	Spin-Orbit Coupling Analyses of the Geometrical Effects on Phosphorescence in Ir(ppy) <sub>3</sub> and Its Derivatives. Journal of Physical Chemistry C, 2013, 117, 5314-5327.	1.5	21
197	Highly efficient thermally activated fluorescence of a new rigid Cu(I) complex [Cu(dmp)(phanephos)] <sup>+</sup> . Dalton Transactions, 2013, 42, 9826.	1.6	153
198	Triarylboryl-functionalized dibenzoylmethane and its phosphorescent platinum(II) complexes. Dalton Transactions, 2013, 42, 10089.	1.6	21
199	New tetrazole-based Cu(I) homo- and heteroleptic complexes with various P <sup>+</sup> P ligands: synthesis, characterization, redox and photophysical properties. Dalton Transactions, 2013, 42, 997-1010.	1.6	103

#	ARTICLE	IF	CITATIONS
200	Bis(carbazolyl) derivatives of pyrene and tetrahydropyrene: synthesis, structures, optical properties, electrochemistry, and electroluminescence. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1638.	2.7	77
201	Phosphorescent mechanism for single-dopant white OLED of FpT: electronic structure and electron exchange-induced energy transfer. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4227.	2.7	19
202	White Organic Light-Emitting Diodes for Solid-State Lighting. <i>Journal of Display Technology</i> , 2013, 9, 459-468.	1.3	118
203	Two new blue-phosphorescent Ir(III) cyclometalated complexes demonstrating the pushing-up effects of amino on levels of Pi-type molecular orbitals. <i>Inorganica Chimica Acta</i> , 2013, 408, 225-229.	1.2	9
204	Supramolecular self-assemblies as functional nanomaterials. <i>Nanoscale</i> , 2013, 5, 7098.	2.8	610
205	Bipolar iridium dendrimers containing carbazolyl dendron and 1,2,4-triazole unit for solution-processed saturated red electrophosphorescence. <i>Dyes and Pigments</i> , 2013, 99, 41-51.	2.0	16
206	Synthesis, Properties, and Structures of Functionalized peri-Xanthenoxanthene. <i>Organic Letters</i> , 2013, 15, 2382-2385.	2.4	42
207	Highly efficient green phosphorescent organic light emitting diodes with simple structure. <i>Organic Electronics</i> , 2013, 14, 2198-2203.	1.4	22
208	Highly efficient blue and white phosphorescent OLEDs based on an iridium complex. <i>Dyes and Pigments</i> , 2013, 96, 237-241.	2.0	14
209	Facile and controllable synthesis of multiply substituted benzenes via a formal [3+3] cycloaddition approach. <i>Tetrahedron</i> , 2013, 69, 284-292.	1.0	20
210	New cyano functionalized silanes: aggregation-induced emission enhancement properties and detection of 2,4,6-trinitrotoluene. <i>Applied Organometallic Chemistry</i> , 2013, 27, 529-536.	1.7	8
211	Synthesis, structure and photoluminescence properties of copper(II) and cobalt(III) complexes with pyridoxalaminoguanidine. <i>Optical Materials</i> , 2013, 35, 2728-2735.	1.7	13
212	Efficient and Stable Deep-Red Phosphorescent Organic Light-Emitting Diodes Based on an Iridium Complex Containing a Benzoxazole-substituted Ancillary Ligand. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2575-2578.	1.7	10
213	Device efficiency of organic light-emitting diodes: Progress by improved light outcoupling. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 44-65.	0.8	349
214	Solution-Processible Carbazole Dendrimers as Host Materials for Highly Efficient Phosphorescent Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2013, 23, 619-628.	7.8	126
215	Highly Efficient Warm White Organic Light-Emitting Diodes by Triplet Exciton Conversion. <i>Advanced Functional Materials</i> , 2013, 23, 705-712.	7.8	168
216	Platinum Azaporphyrins for Near Infrared Organic Light Emitting Diodes. , 2013, , .		0
217	Efficient red organic electroluminescent devices by doping platinum(II) Schiff base emitter into two host materials with stepwise energy levels. <i>Optics Letters</i> , 2013, 38, 2373.	1.7	38

#	ARTICLE	IF	CITATIONS
218	Enhancement of charge carrier recombination efficiency by utilizing a hole-blocking interlayer in white OLEDs. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 155102.	1.3	6
219	White organic light emitting diodes using Pt-based red, green, and blue phosphorescent dopants. , 2013, . , .		1
220	High-Color-Quality Blue Top-Emitting Organic Light-Emitting Diodes with Enhanced Contrast Ratio. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 05DC17.	0.8	3
221	Fluorescence Color Change of Aggregation-Induced Emission of 4-Bis(4-methylphenyl)amino]benzaldehyde. <i>ChemPhysChem</i> , 2013, 14, 3898-3901.	1.0	24
222	High Quantum Efficiency in Solution and Vacuum Processed Blue Phosphorescent Organic Light Emitting Diodes Using a Novel Benzofuropyridine-Based Bipolar Host Material. <i>Advanced Materials</i> , 2013, 25, 596-600.	11.1	125
223	Molecular design of hole-transporting material for efficient and stable green phosphorescent organic light-emitting diodes. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	15
225	Phosphorescent OLEDs for solid-state lighting. , 2013, , 143-169.		0
226	High Efficiency White Organic Light-Emitting Devices Incorporating Yellow Phosphorescent Platinum(II) Complex and Composite Blue Host. <i>Advanced Functional Materials</i> , 2013, 23, 5168-5176.	7.8	95
227	Vaulted <i>trans</i> -Bis(salicylaldiminato)platinum(II) Crystals: Heat-Resistant, Chromatically Sensitive Platforms for Solid-State Phosphorescence at Ambient Temperature. <i>Chemistry - A European Journal</i> , 2013, 19, 4798-4811.	1.7	42
228	Scalable synthesis of 5,11-diethynylated indeno[1,2- <i>b</i> ]fluorene-6,12-diones and exploration of their solid state packing. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2122-2130.	1.3	17
229	Photoluminescence study of cobalt (III) and copper (II) complexes with the Schiff base of pyridoxal and aminoguanidine. <i>Physica Scripta</i> , 2014, T162, 014010.	1.2	4
230	Highly efficient and air-stable inverted organic light-emitting diode composed of inert materials. <i>Applied Physics Express</i> , 2014, 7, 082104.	1.1	64
232	Highly Efficient Yellow Organic Light Emitting Diode with a Novel Wet- and Dry-Process Feasible Iridium Complex Emitter. <i>Advanced Functional Materials</i> , 2014, 24, 555-562.	7.8	75
233	White OLED Materials. , 2014, , 1-23.		0
234	Enhancing light out-coupling of organic light-emitting devices using indium tin oxide-free low-index transparent electrodes. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	26
235	Highly efficient greenish-blue platinum-based phosphorescent organic light-emitting diodes on a high triplet energy platform. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	12
236	Dimeric SFX host materials for red, green and blue phosphorescent organic light-emitting devices. <i>Synthetic Metals</i> , 2014, 195, 321-327.	2.1	15
237	Highly Efficient and Robust Blue Phosphorescent Pt(II) Compounds with a Phenyl-1,2,3-triazolyl and a Pyridyl-1,2,4-triazolyl Chelate Core. <i>Advanced Functional Materials</i> , 2014, 24, 7257-7271.	7.8	49

#	ARTICLE	IF	CITATIONS
238	Tuning the Photophysical Properties of Metal-Free Room Temperature Organic Phosphors via Compositional Variations in Bromobenzaldehyde/Dibromobenzene Mixed Crystals. <i>Chemistry of Materials</i> , 2014, 26, 6644-6649.	3.2	115
239	All Solution-Processed Inorganic/Organic Hybrid Permeable Metal-Base Transistor. <i>Small</i> , 2014, 10, 3650-3654.	5.2	5
240	Rationally Investigating the Influence of T <sub>1</sub> Location on Electroluminescence Performance of Aryl Amine Modified Phosphine Oxide Materials. <i>Chemistry - A European Journal</i> , 2014, 20, 16350-16359.	1.7	14
241	Full phosphorescent white-light organic light-emitting diodes with improved color stability and efficiency by fine tuning primary emission contributions. <i>AIP Advances</i> , 2014, 4, .	0.6	10
242	Hosts for High-Performance Phosphorescent Organic Light-Emitting Diodes Based on Carbazole Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 102-112.	1.3	27
243	Synthesis and Characterizations of Strongly Phosphorescent Copper(I) Halide Complexes with Bridged Bis[2-(diphenylphosphino)phenyl]ether Ligand. <i>Journal of Cluster Science</i> , 2014, 25, 1627-1640.	1.7	23
244	Analysis of Novel OLED Based Four-Primary Displays. <i>Applied Mechanics and Materials</i> , 0, 541-542, 482-486.	0.2	1
245	Smart Materials for Energy Harvesting, Energy Storage, and Energy Efficient Solid-State Electronic Refrigeration. <i>Springer Tracts in Mechanical Engineering</i> , 2014, , 303-315.	0.1	1
246	Recent advances in white organic light-emitting diodes employing a single-emissive material. <i>Journal of Photonics for Energy</i> , 2014, 4, 040991.	0.8	20
247	Recombination region improvement for reduced efficiency roll-off in phosphorescent OLEDs with dual emissive layers. <i>Journal of Luminescence</i> , 2014, 154, 376-380.	1.5	5
248	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
249	3,6-Bis(indol-1-yl)-9-phenylcarbazoles as electroactive materials for electrophosphorescent diodes. <i>Dyes and Pigments</i> , 2014, 100, 66-72.	2.0	7
250	Organic light emitting diodes with a solution processible organic bulk heterojunction electroluminescent layer. <i>Mendeleev Communications</i> , 2014, 24, 85-87.	0.6	6
251	Multifunctional phosphorescent iridium (III) complexes based on 2-phenylbenzothiazole derivative for highly efficient organic light-emitting diodes. <i>Dyes and Pigments</i> , 2014, 106, 51-57.	2.0	21
252	Bright Blue and White Electrophosphorescent Triarylboryl-Functionalized C <sup>N</sup> -Chelate Pt(II) Compounds: Impact of Intramolecular Hydrogen Bonds and Ancillary Ligands. <i>Advanced Functional Materials</i> , 2014, 24, 1911-1927.	7.8	73
253	Understanding rate-limiting processes for the sublimation of small molecule organic semiconductors. <i>AIChE Journal</i> , 2014, 60, 1347-1354.	1.8	10
254	Protecting the triplet excited state in sterically congested platinum porphyrin. <i>Dalton Transactions</i> , 2014, 43, 2676-2683.	1.6	16
255	Recent progress in metal-organic complexes for optoelectronic applications. <i>Chemical Society Reviews</i> , 2014, 43, 3259-3302.	18.7	996

#	ARTICLE	IF	CITATIONS
256	Using an Organic Molecule with Low Triplet Energy as a Host in a Highly Efficient Blue Electrophosphorescent Device. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2147-2151.	7.2	72
257	Enhancement of redox stability and electrochromic performance of aromatic polyamides by incorporation of (3,6-dimethoxycarbazolyl)triphenylamine units. <i>Journal of Polymer Science Part A</i> , 2014, 52, 272-286.	2.5	43
258	White Polymer Light-Emitting Devices for Solid-State Lighting: Materials, Devices, and Recent Progress. <i>Advanced Materials</i> , 2014, 26, 2459-2473.	11.1	464
259	Substituent effects on electrochemical and electrochromic properties of aromatic polyimides with 4-(carbazolyl)triphenylamine moieties. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1172-1184.	2.5	35
260	Pyrene-Based Bisazolium Salts: From Luminescence Properties to Janus-Type Bis-N-Heterocyclic Carbenes. <i>Chemistry - A European Journal</i> , 2014, 20, 9716-9724.	1.7	59
261	Hubbard-corrected DFT energy functionals: The LDA+U description of correlated systems. <i>International Journal of Quantum Chemistry</i> , 2014, 114, 14-49.	1.0	533
262	On-Top $\pi$ - $\pi$ Stacking of Quasiplanar 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
263	Efficient organic light-emitting diodes with low efficiency roll-off at high brightness using iridium emitters based on 2-(4-trifluoromethyl-6-fluoro phenyl)pyridine and tetraphenylimidodiphosphate derivatives. <i>Dyes and Pigments</i> , 2014, 105, 105-113.	2.0	22
264	New $\pi$ -conjugated electroluminescent polymers containing organoiridium quinolinolate complexes in the backbone and light diodes formed on their basis. <i>Polymer Science - Series B</i> , 2014, 56, 198-206.	0.3	1
265	A rational molecular design on choosing suitable spacer for better host materials in highly efficient blue and white phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2014, 15, 1368-1377.	1.4	21
266	Substituent effects on the photophysical and electrochemical properties of iridium(III) complexes containing an arylcarbazolyl moiety. <i>Dyes and Pigments</i> , 2014, 109, 13-20.	2.0	10
267	Efficient $\alpha$ -Warm-White-OLEDs Based on the Phosphorescent bis-Cyclometalated iridium(III) Complex. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11271-11278.	1.5	73
268	Asymmetric Design of Bipolar Host Materials with Novel 1,2,4-Oxadiazole Unit in Blue Phosphorescent Device. <i>Organic Letters</i> , 2014, 16, 1622-1625.	2.4	54
269	Impact of preparation condition of ZnO electron transport layer on performance of hybrid organic-inorganic light-emitting diodes. <i>Journal of Applied Physics</i> , 2014, 115, 083109.	1.1	14
270	Highly Coplanar Very Long Oligo(alkylfuran)s: A Conjugated System with Specific Head-To-Head Defect. <i>Journal of the American Chemical Society</i> , 2014, 136, 2592-2601.	6.6	67
271	Sequential Direct $S_NAr$ Reactions of Pentafluorobenzenes with Azole or Indole Derivatives. <i>Organic Letters</i> , 2014, 16, 3130-3133.	2.4	32
272	Principles of phosphorescent organic light emitting devices. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 1719-1758.	1.3	398
273	Efficient greenish-blue phosphorescent iridium(III) complexes containing carbene and triazole chromophores for organic light-emitting diodes. <i>Journal of Organometallic Chemistry</i> , 2014, 753, 55-62.	0.8	20



#	ARTICLE	IF	CITATIONS
274	Efficient blue-green and green electroluminescent devices obtained by doping iridium complexes into hole-block material as supplementary light-emitting layer. <i>Journal of Luminescence</i> , 2014, 148, 6-9.	1.5	8
275	Divinyl sulfides/sulfones-based D $\pi$ A $\pi$ D dyes as efficient non-aromatic bridges for $\pi$ -conjugated compounds. <i>Dyes and Pigments</i> , 2014, 102, 71-78.	2.0	26
276	Syntheses, photoluminescence and electroluminescence of four heteroleptic iridium complexes with 2-(5-phenyl-1,3,4-oxadiazol-2-yl)-phenol derivatives as ancillary ligands. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1116-1124.	2.7	35
277	Solution-processed bipolar small molecular host materials for single-layer blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 382-391.	2.7	32
278	A simple carbazole-N-benzimidazole bipolar host material for highly efficient blue and single layer white phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2466-2469.	2.7	105
279	Synthesis of new bipolar host materials based on 1,2,4-oxadiazole for blue phosphorescent OLEDs. <i>Dyes and Pigments</i> , 2014, 101, 142-149.	2.0	38
280	Red to near-infrared organometallic phosphorescent dyes for OLED applications. <i>Journal of Organometallic Chemistry</i> , 2014, 751, 261-285.	0.8	248
281	Synthesis and chemical $\pi$ optical characterization of novel two-photon fluorescent borinates derived from Schiff bases. <i>Journal of Organometallic Chemistry</i> , 2014, 755, 33-40.	0.8	14
282	Redox-stable and visible/near-infrared electrochromic aramids with main-chain triphenylamine and pendent 3,6-di-tert-butylcarbazole units. <i>Polymer Chemistry</i> , 2014, 5, 2473.	1.9	51
283	High-Power-Efficiency Blue Electrophosphorescence Enabled by the Synergistic Combination of Phosphine-Oxide-Based Host and Electron-Transporting Materials. <i>Chemistry of Materials</i> , 2014, 26, 1463-1470.	3.2	68
284	Iridium(iii) complexes adopting 1,2-diphenyl-1H-benzimidazole ligands for highly efficient organic light-emitting diodes with low efficiency roll-off and non-doped feature. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2150.	2.7	78
285	Oxadiazole based bipolar host materials employing planarized triarylamine donors for RGB PHOLEDs with low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2069-2081.	2.7	43
286	Highly efficient single-layer organic light-emitting devices based on a bipolar pyrazine/carbazole hybrid host material. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2488-2495.	2.7	67
287	Electroluminescent properties of lanthanide pentafluorophenolates. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1532-1538.	2.7	32
288	Alternative p-doped hole transport material for low operating voltage and high efficiency organic light-emitting diodes. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	50
289	Triplet-Energy Control of Polycyclic Aromatic Hydrocarbons by BN Replacement: Development of Ambipolar Host Materials for Phosphorescent Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2014, 26, 6265-6271.	3.2	131
290	Highly Efficient Multifluorenyl Host Materials with Unsymmetrical Molecular Configurations and Localized Triplet States for Green and Red Phosphorescent Devices. <i>Advanced Materials</i> , 2014, 26, 7070-7077.	11.1	80
291	Deep $\pi$ Blue Phosphorescent Emitters with Phosphoryl Groups for Organic Light $\pi$ Emitting Diodes by Solution Processes. <i>Israel Journal of Chemistry</i> , 2014, 54, 993-998.	1.0	6

#	ARTICLE	IF	CITATIONS
292	Self-assembled Supramolecular Materials in Organic Electronics. RSC Smart Materials, 2014, , 1-52.	0.1	7
293	An Easy Route to Red Emitting Homoleptic Ir <sup>III</sup> Complex for Highly Efficient Solution-Processed Phosphorescent Organic Light-Emitting Diodes. Chemistry - A European Journal, 2014, 20, 8260-8264.	1.7	38
294	CaGdAlO <sub>4</sub> :Tb <sup>3+</sup> /Eu <sup>3+</sup> as promising phosphors for full-color field emission displays. Journal of Materials Chemistry C, 2014, 2, 9924-9933.	2.7	107
295	Systematic study of TCTA-based star-shaped host materials by optimizing ratio of carbazole/diphenylphosphine oxide: achieving both low efficiency roll-off and turn-on voltage for blue PHOLEDs. Journal of Materials Chemistry C, 2014, 2, 7428-7435.	2.7	37
296	Novel ternary bipolar host material with carbazole, triazole and phosphine oxide moieties for high efficiency sky-blue OLEDs. New Journal of Chemistry, 2014, 38, 650-656.	1.4	22
297	Highly efficient and low voltage silver nanowire-based OLEDs employing a n-type hole injection layer. Nanoscale, 2014, 6, 8565-8570.	2.8	86
298	Substituent effect on the electroluminescence efficiency of amidinate-ligated bis(pyridylphenyl) iridium(III) complexes. Journal of Materials Chemistry C, 2014, 2, 5317-5326.	2.7	32
299	Specific Cu(II) detection using a novel tricarbazolyl-tris-triazolotriazine based on photoinduced charge transfer. RSC Advances, 2014, 4, 13161-13166.	1.7	8
300	Lasing of Tamm states in highly efficient organic devices based on small-molecule organic semiconductors. Faraday Discussions, 2014, 174, 183-201.	1.6	11
301	A solution-processable triphenylamine-fluorene host for exciplex based white phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2014, 2, 9754-9759.	2.7	18
302	A multifunctional ionic iridium complex for field-effect and light-emitting devices. RSC Advances, 2014, 4, 51294-51297.	1.7	4
303	Enhancement of Phosphorescence and Unimolecular Behavior in the Solid State by Perfect Insulation of Platinum Acetylide Polymers. Journal of the American Chemical Society, 2014, 136, 14714-14717.	6.6	58
304	High efficiency blue PhOLEDs using spiro-annulated triphenylamine/fluorene hybrids as host materials with high triplet energy, high HOMO level and high T g. Organic Electronics, 2014, 15, 3568-3576.	1.4	20
305	Thermally Activated Delayed Fluorescence (TADF) and Enhancing Photoluminescence Quantum Yields of [Cu <sup>I</sup> (diimine)(diphosphine)] <sup>+</sup> Complexes: Photophysical, Structural, and Computational Studies. Inorganic Chemistry, 2014, 53, 10854-10861.	1.9	198
306	Luminescent Palladium(II) Complexes with Extended Cyclometalated [R <sub>1</sub> C <sup>N</sup> NiR <sub>2</sub> ] and Pentafluorophenylacetylide Ligands: Spectroscopic, Photophysical, and Photochemical Properties. Chemistry - an Asian Journal, 2014, 9, 534-545.	1.7	44
307	Synthesis and characterization of novel topology-varied compounds based on fluorene and carbazole: Potential host materials for phosphorescent organic light-emitting diodes. Synthetic Metals, 2014, 197, 217-224.	2.1	9
308	Theoretical and experimental analysis of RGBW display based on OLEDs/PLEDs. Optik, 2014, 125, 4810-4813.	1.4	2
309	Pure white-light and yellow-to-blue emission tuning in single crystals of Dy(III) metal-organic frameworks. Chemical Communications, 2014, 50, 7702-7704.	2.2	146

#	ARTICLE	IF	CITATIONS
310	Tuning the electronic properties and quantum efficiency of blue Ir(III) carbene complexes via different azole-pyridine-based N <sup>2</sup> ligands. <i>RSC Advances</i> , 2014, 4, 6284.	1.7	8
311	Predicting phosphorescent lifetimes and zero-field splitting of organometallic complexes with time-dependent density functional theory including spin-orbit coupling. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 14523-14530.	1.3	155
312	Synthesis, characterization, and photo- and electro-luminescence of Ir(III) complexes containing carrier transporting group-substituted $\beta^2$ -diketonate ligand. <i>RSC Advances</i> , 2014, 4, 11680.	1.7	18
313	Fluorine-free blue phosphorescent emitters for efficient phosphorescent organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6040-6047.	2.7	34
314	Solid-state emission enhancement in vaulted trans-bis(salicylaldiminato)platinum(II) crystals with halogen functionality. <i>Dalton Transactions</i> , 2014, 43, 10074-10085.	1.6	27
315	Improved host material for electrophosphorescence by positional engineering of spirobifluorene-carbazole hybrids. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8736-8744.	2.7	20
316	Nitrogen heterocycle-containing materials for highly efficient phosphorescent OLEDs with low operating voltage. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9565-9578.	2.7	152
317	A six-carbazole-decorated cyclophosphazene as a host with high triplet energy to realize efficient delayed-fluorescence OLEDs. <i>Materials Horizons</i> , 2014, 1, 264-269.	6.4	150
318	Suppressing triplet state extension for highly efficient ambipolar phosphine oxide host materials in blue PHOLEDs. <i>Chemical Communications</i> , 2014, 50, 2670-2672.	2.2	35
319	Yellow/orange emissive heavy-metal complexes as phosphors in monochromatic and white organic light-emitting devices. <i>Chemical Society Reviews</i> , 2014, 43, 6439-6469.	18.7	401
320	High efficiency non-dopant blue organic light-emitting diodes based on anthracene-based fluorophores with molecular design of charge transport and red-shifted emission proof. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7188-7200.	2.7	59
322	AIPE-active green phosphorescent iridium(III) complex impregnated test strips for the vapor-phase detection of 2,4,6-trinitrotoluene (TNT). <i>Journal of Materials Chemistry C</i> , 2014, 2, 515-523.	2.7	72
323	Simple and extremely efficient blue emitters based on mononuclear Cu(I)-halide complexes with delayed fluorescence. <i>Dalton Transactions</i> , 2014, 43, 17317-17323.	1.6	108
324	Selectively Investigating Molecular Configuration Effect on Blue Electrophosphorescent Host Performance through a Series of Hydrocarbon Oligomers. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20559-20570.	1.5	20
325	DFT and TD-DFT Study on the Electronic Structures and Phosphorescent Properties of a Series of Heteroleptic Iridium(III) Complexes. <i>Organometallics</i> , 2014, 33, 3300-3308.	1.1	19
326	Efficient nondoped organic light-emitting diodes with Cu I complex emitter. <i>Organic Electronics</i> , 2014, 15, 3292-3297.	1.4	22
327	Proton-Induced Reversible Modulation of the Luminescent Output of Rhenium(I), Iridium(III), and Ruthenium(II) Tetrazolate Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 229-243.	1.9	32
329	Novel Benzimidazole Derivatives as Electron-Transporting Type Host To Achieve Highly Efficient Sky-Blue Phosphorescent Organic Light-Emitting Diode (PHOLED) Device. <i>Organic Letters</i> , 2014, 16, 5398-5401.	2.4	41

#	ARTICLE	IF	CITATIONS
330	Synthesis, structure, photo- and electro-luminescence of an iridium(III) complex with a novel carbazole functionalized $\beta^2$ -diketone ligand. <i>RSC Advances</i> , 2014, 4, 554-562.	1.7	18
331	Efficient Red Electroluminescent Devices with Sterically Hindered Phosphorescent Platinum(II) Schiff Base Complexes and Iridium Complex Codopant. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2984-2994.	1.7	48
332	Gold(III) Corroles for High Performance Organic Solar Cells. <i>Advanced Functional Materials</i> , 2014, 24, 4655-4665.	7.8	48
333	Two novel indolo[3,2-b]carbazole derivatives containing dimesitylboron moieties: synthesis, photoluminescent and electroluminescent properties. <i>New Journal of Chemistry</i> , 2014, 38, 2368-2378.	1.4	37
334	A new heteroleptic cuprous complex with strong yellow photoluminescence. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2014, 70, 858-861.	0.2	9
335	Highly Efficient Simple Structure Blue and All-Phosphor Warm-White Phosphorescent Organic Light-Emitting Diodes Enabled by Wide-Bandgap Tetraarylsilane-Based Functional Materials. <i>Advanced Functional Materials</i> , 2014, 24, 5710-5718.	7.8	55
336	Tetradentate Platinum Complexes for Efficient and Stable Excimer-Based White OLEDs. <i>Advanced Functional Materials</i> , 2014, 24, 6066-6073.	7.8	107
337	Glycerol as Suitable Solvent for the Synthesis of Metallic Species and Catalysis. <i>Chemistry - A European Journal</i> , 2014, 20, 10884-10893.	1.7	48
338	Highly Efficient and Stable Phosphorescent Organic Light-Emitting Diodes Utilizing Reverse Intersystem Crossing of the Host Material. <i>Advanced Optical Materials</i> , 2014, 2, 1070-1075.	3.6	36
339	Metal complexes with pyridyl azolates: Design, preparation and applications. <i>Coordination Chemistry Reviews</i> , 2014, 281, 1-25.	9.5	115
340	CCC-Pincer-NHC Osmium Complexes: New Types of Blue-Green Emissive Neutral Compounds for Organic Light-Emitting Devices (OLEDs). <i>Organometallics</i> , 2014, 33, 5582-5596.	1.1	76
341	Tridentate Complexes of Group 10 Bearing Bis-Aryloxy N-Heterocyclic Carbene Ligands: Synthesis, Structural, Spectroscopic, and Computational Characterization. <i>Organometallics</i> , 2014, 33, 4374-4384.	1.1	45
342	Bimetallic Cyclometalated Iridium(III) Diastereomers with Non-Innocent Bridging Ligands for High-Efficiency Phosphorescent OLEDs. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11616-11619.	7.2	65
343	$Al_2O_3/TiO_2$ Nanolaminate Thin Film Encapsulation for Organic Thin Film Transistors via Plasma-Enhanced Atomic Layer Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 6731-6738.	4.0	180
344	Phosphorescent Cyclometalated Iridium(III) Complexes That Contain Substituted 2-Acetylbenzo[ <i>b</i> ]thiophenolate Ligand for Red Organic Light-Emitting Devices. <i>Chemistry - an Asian Journal</i> , 2014, 9, 3572-3585.	1.7	22
345	Os(II) Phosphors with Near-Infrared Emission Induced by Ligand-to-Ligand Charge Transfer Transition. <i>Inorganic Chemistry</i> , 2014, 53, 9366-9374.	1.9	36
346	Synthesis, Crystal Structures and Photo- and Electro-Luminescence of Copper(I) Complexes Containing Electron-Transporting Diaryl-1,3,4-Oxadiazole. <i>Journal of Fluorescence</i> , 2014, 24, 933-943.	1.3	12
347	Molecular Understanding of the Chemical Stability of Organic Materials for OLEDs: A Comparative Study on Sulfonyl, Phosphine-Oxide, and Carbonyl-Containing Host Materials. <i>Journal of Physical Chemistry C</i> , 2014, 118, 7569-7578.	1.5	142

#	ARTICLE	IF	CITATIONS
348	Iridium(III) Complexes with Phenyl-tetrazoles as Cyclometalating Ligands. <i>Inorganic Chemistry</i> , 2014, 53, 7709-7721.	1.9	72
349	Heat revolution on photophysical properties and electroluminescent performance of Ir(ppy) <sub>3</sub> -doped bipolar host of oxadiazole derivatives attaching with inert group of tert-butyl moiety. <i>Science China Chemistry</i> , 2014, 57, 849-856.	4.2	16
350	Complexes of Rh(III), Ir(III), and Pt(IV) with metallated 2-(n-tolyl)pyridine, ethylenediamine, acetate, and diethyldithiocarbamate ligands. <i>Russian Journal of General Chemistry</i> , 2014, 84, 927-933.	0.3	1
351	Enhanced performances in inverted bottom-emission organic light-emitting diodes with KBH <sub>4</sub> -doped electron-injection layer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1807-1811.	0.8	4
352	Engineering of Mixed Host for High External Quantum Efficiency above 25% in Green Thermally Activated Delayed Fluorescence Device. <i>Advanced Functional Materials</i> , 2014, 24, 3970-3977.	7.8	226
353	Luminescent dinuclear copper(I) halide complexes double bridged by diphosphine ligands: Synthesis, structure characterization, properties and TD-DFT calculations. <i>Polyhedron</i> , 2014, 81, 687-694.	1.0	31
354	Co-deposited Cu(I) Complex for Tri-layered Yellow and White Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2014, 24, 5385-5392.	7.8	40
355	Dithiolodithiole as a Building Block for Conjugated Materials. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5847-5851.	7.2	31
356	A novel, bipolar host based on triazine for efficient solution-processed single-layer green phosphorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , 2014, 101, 9-14.	2.0	21
357	Stabilization of N,N'-bis(3-methylphenyl)-N,N'-bis(phenyl)benzidine thin film morphology with UV light. <i>Thin Solid Films</i> , 2014, 562, 99-103.	0.8	1
358	Carbazolyldibenzofuran-type high-triplet-energy bipolar host material for blue phosphorescent organic light-emitting diodes. <i>Journal of Luminescence</i> , 2014, 146, 333-336.	1.5	6
359	Molecular asterisks with a persulfurated benzene core are among the strongest organic phosphorescent emitters in the solid state. <i>Dyes and Pigments</i> , 2014, 110, 113-122.	2.0	76
360	Rational Design of Chelated Aluminum Complexes toward Highly Efficient and Thermally Stable Electron-Transporting Materials. <i>Chemistry of Materials</i> , 2014, 26, 3693-3700.	3.2	28
361	Efficient blue organic light-emitting diodes employing thermally activated delayed fluorescence. <i>Nature Photonics</i> , 2014, 8, 326-332.	15.6	2,064
362	9,9'-Spirobifluorene and 4-phenyl-9,9'-spirobifluorene: pure hydrocarbon small molecules as hosts for efficient green and blue PhOLEDs. <i>Journal of Materials Chemistry C</i> , 2014, 2, 4156-4166.	2.7	75
363	Efficient and Stable White Organic Light-Emitting Diodes Employing a Single Emitter. <i>Advanced Materials</i> , 2014, 26, 2931-2936.	11.1	157
364	High-performance barrier using a dual-layer inorganic/organic hybrid thin-film encapsulation for organic light-emitting diodes. <i>Organic Electronics</i> , 2014, 15, 1936-1941.	1.4	22
365	Influence of host matrix on thermally-activated delayed fluorescence: Effects on emission lifetime, photoluminescence quantum yield, and device performance. <i>Organic Electronics</i> , 2014, 15, 2027-2037.	1.4	158

#	ARTICLE	IF	CITATIONS
366	Fabrication and characterization of large-area flexible microfluidic organic light-emitting diode with liquid organic semiconductor. <i>Sensors and Actuators A: Physical</i> , 2014, 216, 231-236.	2.0	36
367	Thermally activated delayed fluorescence materials based on 3,6-di-tert-butyl-9-((phenylsulfonyl)phenyl)-9H-carbazoles. <i>Dyes and Pigments</i> , 2014, 111, 135-144.	2.0	46
368	Multifunctional homoleptic iridium(III) dendrimers towards solution-processed nondoped electrophosphorescence with low efficiency roll-off. <i>Organic Electronics</i> , 2014, 15, 1598-1606.	1.4	26
369	New cyano functionalized silanes: Synthesis, characterization and diphenylamine detection. <i>Journal of Organometallic Chemistry</i> , 2014, 767, 40-45.	0.8	6
370	Highly efficient and heavily-doped organic light-emitting devices based on an orange phosphorescent iridium complex. <i>Journal of Luminescence</i> , 2014, 154, 487-490.	1.5	4
373	Efficient "Pure" Blue OLEDs Employing Tetradentate Pt Complexes with a Narrow Spectral Bandwidth. <i>Advanced Materials</i> , 2014, 26, 7116-7121.	11.1	280
375	Designs of Functional "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
376	Suppression of external quantum efficiency roll-off of nanopatterned organic-light emitting diodes at high current densities. <i>Journal of Applied Physics</i> , 2015, 118, 155501.	1.1	27
377	Quantum chemical calculation study on terphenyl arylamines hole transport materials. <i>Journal of the Society for Information Display</i> , 2015, 23, 182-185.	0.8	2
378	Performances of Liquid-Exfoliated Transition Metal Dichalcogenides as Hole Injection Layers in Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2015, 25, 4512-4519.	7.8	91
379	One-Step Borylation of 1,3-Diaryloxybenzenes Towards Efficient Materials for Organic Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13581-13585.	7.2	322
380	Walking Down the Chalcogenic Group of the Periodic Table: From Singlet to Triplet Organic Emitters. <i>Chemistry - A European Journal</i> , 2015, 21, 15377-15387.	1.7	51
381	Controlling the Behavior of Single Live Cells with High Density Arrays of Microscopic OLEDs. <i>Advanced Materials</i> , 2015, 27, 7657-7661.	11.1	31
382	Adamantane-Based Wide-Bandgap Host Material: Blue Electrophosphorescence with High Efficiency and Very High Brightness. <i>Chemistry - A European Journal</i> , 2015, 21, 8250-8256.	1.7	20
383	An Insight of the Results Provided by Color-Tuning Studies Made on Ir(III) Complexes: A "Neutral CF <sub>3</sub> Group Viewed by Adjusting Energies of pi-type Molecular Orbitals. <i>Journal of the Chinese Chemical Society</i> , 2015, 62, 939-943.	0.8	1
384	28.4: <i>Invited Paper</i> : Development of Tetradentate Pt Complexes for Efficient, Stable, and High Color Purity Blue OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2015, 46, 411-414.	0.1	10
385	Development of Highly Efficient and Stable Organic Light-Emitting Diodes. <i>Journal of the Vacuum Society of Japan</i> , 2015, 58, 86-90.	0.3	0
386	28.1: <i>Invited Paper</i> : Triplet-Energy Control of PAHs by Heteroatom Incorporation for Development of Efficient Materials for PHOLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2015, 46, 401-403.	0.1	0

#	ARTICLE	IF	CITATIONS
388	Fluorescent Pyrene-Based Bis-Carbazole Compounds: Synthesis and Photophysical Analysis. Chemistry - A European Journal, 2015, 21, 10566-10575.	1.7	33
390	Pyrene Derivate Functionalized with Acetylene for Organic Field Effect Transistors. Chinese Journal of Chemical Physics, 2015, 28, 767-770.	0.6	0
391	Highly efficient and stable organic light-emitting diodes with a greatly reduced amount of phosphorescent emitter. Scientific Reports, 2015, 5, 9855.	1.6	62
392	Tuning peripheral group density in ternary phosphine oxide hosts for low-voltage-driven yellow PhOLEDs. Journal of Materials Chemistry C, 2015, 3, 6709-6716.	2.7	8
393	High performance full color OLEDs based on a class of molecules with dual carrier transport channels and small singlet-triplet splitting. Chemical Communications, 2015, 51, 10632-10635.	2.2	88
394	Simultaneous harvesting of triplet excitons in OLEDs by both guest and host materials with an intramolecular charge-transfer feature via triplet-triplet annihilation. Journal of Materials Chemistry C, 2015, 3, 6970-6978.	2.7	20
395	Luminescent zinc(II) and copper(I) complexes for high-performance solution-processed monochromic and white organic light-emitting devices. Chemical Science, 2015, 6, 4623-4635.	3.7	133
396	Electronic structure, aromaticity and spectra of hetero[8]circulenes. Russian Chemical Reviews, 2015, 84, 455-484.	2.5	46
397	Harvesting All Electrogenerated Excitons through Metal Assisted Delayed Fluorescent Materials. Advanced Materials, 2015, 27, 2533-2537.	11.1	91
398	Materials for Organic Light Emitting Diode (OLED). Springer Series in Materials Science, 2015, , 227-251.	0.4	2
399	Thermally activated delayed fluorescence of N-phenylcarbazole and triphenylamine functionalised tris(aryl)triazines. Dyes and Pigments, 2015, 117, 141-148.	2.0	33
400	High efficient OLEDs based on novel Re(I) complexes with phenanthroimidazole derivatives. Optical Materials, 2015, 47, 173-179.	1.7	13
401	Mechanism for the separation of organic semiconductors via thermal gradient sublimation. Organic Electronics, 2015, 24, 212-218.	1.4	5
402	Using carbazole-triazole derives host in blue phosphorescent OLEDs. , 2015, , .		1
403	Comparison Study of Phenylquinoline-based Iridium(III) Complexes for Solution Processable Phosphorescent Organic Light-Emitting Diodes by PEDOT:PSS and Graphene Oxide as a Hole Transport Layer. Molecular Crystals and Liquid Crystals, 2015, 621, 8-16.	0.4	2
404	Controlling singlet-triplet splitting in carbazole-oxadiazole based bipolar phosphorescent host materials. Organic Electronics, 2015, 17, 216-228.	1.4	14
405	Luminescent Pt(II) complexes bearing dual isoquinolinyl pyrazolates: fundamentals and applications. Dalton Transactions, 2015, 44, 8552-8563.	1.6	44
406	Dibenzocarbazole-diimides: Synthesis, Solid Structure, Self-Assembly Behavior, and Optoelectronic Properties. Chemistry - an Asian Journal, 2015, 10, 1344-1353.	1.7	9

#	ARTICLE	IF	CITATIONS
407	Nearly 100% Triplet Harvesting in Conventional Fluorescent Dopant-Based Organic Light-Emitting Devices Through Energy Transfer from Exciplex. <i>Advanced Materials</i> , 2015, 27, 2025-2030.	11.1	225
408	Efficient three-color white organic light-emitting diodes with a spaced multilayer emitting structure. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	26
409	Approaches for fabricating high efficiency organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2974-3002.	2.7	524
410	Solution-Processed Blue/Deep Blue and White Phosphorescent Organic Light-Emitting Diodes (PHOLEDs) Hosted by a Polysiloxane Derivative with Pendant mCP (1,3-bis(9-carbazolyl)benzene). <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 27989-27998.	4.0	44
411	High performance blue-green and green phosphorescent OLEDs based on iridium complexes with N <sup>C</sup> N-coordinated terdentate ligands. <i>RSC Advances</i> , 2015, 5, 18328-18334.	1.7	15
412	Synthesis and Characterization of Gallafluorene-Containing Conjugated Polymers: Control of Emission Colors and Electronic Effects of Gallafluorene Units on $\pi$ -Conjugation System. <i>Macromolecules</i> , 2015, 48, 1343-1351.	2.2	31
413	4-Pyridyl-9,9 $\epsilon^2$ -spirobifluorenes as Host Materials for Green and Sky-Blue Phosphorescent OLEDs. <i>Journal of Physical Chemistry C</i> , 2015, 119, 5790-5805.	1.5	59
414	High Efficiency Tandem Organic Light Emitting Diode Using an Organic Heterojunction as the Charge Generation Layer: An Investigation into the Charge Generation Model and Device Performance. <i>ACS Photonics</i> , 2015, 2, 271-279.	3.2	97
415	Amorphous Host Materials Based on Tröger's Base Scaffold for Application in Phosphorescent Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 3298-3305.	4.0	41
416	From iridium and platinum to copper and carbon: new avenues for more sustainability in organic light-emitting diodes. <i>Green Chemistry</i> , 2015, 17, 1988-2011.	4.6	168
417	The Effect of Electron-Withdrawing Groups on Electron Transporting Silane Derivatives with Wide Energy Gap for Green Electrophosphorescent Devices. <i>Advanced Electronic Materials</i> , 2015, 1, 1400034.	2.6	11
418	Synthesis and characterization of new triphenylamino-1,8-naphthalimides for organic light-emitting diode applications. <i>New Journal of Chemistry</i> , 2015, 39, 2807-2814.	1.4	16
419	Recent Advances in Solution-Processable Dendrimers for Highly Efficient Phosphorescent Organic Light-Emitting Diodes (PHOLEDs). <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 394-429.	1.3	105
420	The effect of substituted moiety on the optoelectronic and photophysical properties of tris (phenylbenzimidazolinato) Ir (III) carbene complexes and the OLED performance: a theoretical study. <i>Molecular Physics</i> , 2015, 113, 1451-1464.	0.8	6
421	Green phosphorescent organic light emitting diodes with simple structure to realize an extremely low operating voltage. <i>Synthetic Metals</i> , 2015, 200, 143-147.	2.1	10
422	Luminescent Pincer Platinum(II) Complexes with Emission Quantum Yields up to Almost Unity: Photophysics, Photoreductive C $\epsilon$ C Bond Formation, and Materials Applications. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2084-2089.	7.2	134
423	$\langle i \rangle N \langle /i \rangle$ -Heterocyclic Carbenes: Versatile Second Cyclometalated Ligands for Neutral Iridium(III) Heteroleptic Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 161-173.	1.9	87
424	Triarylamine-Free Pyrenoimidazole-Containing Organic Dyes with Different $\epsilon$ -Linkers for Dye-Sensitized Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 164-172.	1.3	24



#	ARTICLE	IF	CITATIONS
425	HYSORE on Photoexcited Triplet States. <i>Applied Magnetic Resonance</i> , 2015, 46, 389-409.	0.6	8
427	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
428	An n-type, new emerging luminescent polybenzodioxane polymer for application in solution-processed green emitting OLEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2568-2574.	2.7	18
429	Narrow bandgap host material for high quantum efficiency yellow phosphorescent organic light-emitting diodes doped with iridium(III) bis(4-phenylthieno[3,2-c]pyridine)acetylacetonate. <i>Journal of Luminescence</i> , 2015, 161, 271-274.	1.5	12
430	Color-tunable and highly solid emissive AIE molecules: synthesis, photophysics, data storage and biological application. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3445-3451.	2.7	31
431	Use of silane-functionalized graphene oxide in organic photovoltaic cells and organic light-emitting diodes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 9369-9374.	1.3	69
432	Theories of phosphorescence in organo-transition metal complexes " From relativistic effects to simple models and design principles for organic light-emitting diodes. <i>Coordination Chemistry Reviews</i> , 2015, 295, 46-79.	9.5	93
433	Highly efficient red phosphorescent organic light-emitting devices based on solution-processed small molecular mixed-host. <i>Journal of Luminescence</i> , 2015, 161, 300-305.	1.5	33
434	Molecular orientation of a new anthracene derivative for highly-efficient blue fluorescence OLEDs. <i>Organic Electronics</i> , 2015, 24, 234-240.	1.4	13
435	Functionalization of phosphorescent emitters and their host materials by main-group elements for phosphorescent organic light-emitting devices. <i>Chemical Society Reviews</i> , 2015, 44, 8484-8575.	18.7	752
436	Properties modulation of organic semi-conductors based on a donor-spiro-acceptor (D-spiro-A) molecular design: new host materials for efficient sky-blue PhOLEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9701-9714.	2.7	55
437	Essential electro-optical differences of exciplex type OLEDs based on a starburst carbazole derivative prepared by layer-by-layer and codeposition processes. <i>Synthetic Metals</i> , 2015, 209, 173-177.	2.1	4
438	Facilitation of transparent gas barrier using SiN <sub>x</sub> /a-IZO lamination for organic light emitting diodes. <i>Organic Electronics</i> , 2015, 24, 57-64.	1.4	6
439	Highly efficient orange and white phosphorescent organic light-emitting devices with simplified structure. <i>Organic Electronics</i> , 2015, 26, 225-229.	1.4	10
440	Linker-dependent chromogenic control of the emission of polymethylene-vaulted trans-bis(salicylaldiminato)platinum(II) complexes. <i>Journal of Luminescence</i> , 2015, 161, 363-367.	1.5	8
441	Degradation Mechanisms and Reactions in Organic Light-Emitting Devices. <i>Chemical Reviews</i> , 2015, 115, 8449-8503.	23.0	519
442	Luminescence properties of some monomeric and dimeric cycloplatinated( $\text{Cp}^*\text{Pt}(\text{L})_2$ ) complexes containing biphosphine ligands. <i>Dalton Transactions</i> , 2015, 44, 15829-15842.	1.6	40
443	High performance yellow organic electroluminescent devices by doping iridium(III) complex into host materials with stepwise energy levels. <i>Journal of Luminescence</i> , 2015, 166, 259-263.	1.5	11

#	ARTICLE	IF	CITATIONS
444	Modulation and evaluation of the charge carrier mobility in a polymer alloy of polythiophene and an insulating matrix with an electron accepting molecule. <i>Polymer Chemistry</i> , 2015, 6, 5860-5868.	1.9	5
445	High-Efficiency Blue Phosphorescence Organic Light-Emitting Diode with Ambipolar Carbazole-Triazole Host. <i>Journal of Physical Chemistry C</i> , 2015, 119, 16846-16852.	1.5	32
446	Charge-transfer excited states in phosphorescent organo-transition metal compounds: a difficult case for time dependent density functional theory?. <i>RSC Advances</i> , 2015, 5, 63318-63329.	1.7	72
447	A versatile thermally activated delayed fluorescence emitter for both highly efficient doped and non-doped organic light emitting devices. <i>Chemical Communications</i> , 2015, 51, 13662-13665.	2.2	297
448	Diboron complexes with bis-spiro structures as high-performance blue emitters for OLEDs. <i>Dalton Transactions</i> , 2015, 44, 14436-14443.	1.6	25
449	Ideal combination of the host and dopant materials showing thermally activated delayed fluorescent behavior. <i>Synthetic Metals</i> , 2015, 209, 47-54.	2.1	10
450	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 <sup>3+</sup> /Tb <sup>3+</sup> Metal Coordination. <i>Macromolecules</i> , 2015, 48, 4801-4812.	2.2	26
451	Rare Earth Complex as Electron Trapper and Energy Transfer Ladder for Efficient Red Iridium Complex Based Electroluminescent Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 16046-16053.	4.0	53
452	Pyridine-containing phenanthroimidazole electron-transport materials with electron mobility/energy-level trade-off optimization for highly efficient and low roll-off sky blue fluorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7709-7719.	2.7	38
453	Achieving high power efficiency and low roll-off OLEDs based on energy transfer from thermally activated delayed excitons to fluorescent dopants. <i>Chemical Communications</i> , 2015, 51, 11972-11975.	2.2	95
454	Photophysical and electroluminescence properties of bis(2,6-difluoro-2,3-bipyridinato-N,C4 <sup>2-</sup> )iridium(picolinate) complexes: effect of electron-withdrawing and electron-donating group substituents at the 4 <sup>2-</sup> position of the pyridyl moiety of the cyclometalated ligand. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7405-7420.	2.7	41
455	A facile way to synthesize high-triplet-energy hosts for blue phosphorescent organic light-emitting diodes with high glass transition temperature and low driving voltage. <i>Dyes and Pigments</i> , 2015, 122, 6-12.	2.0	19
456	Perylo[1,12-b,cd] Thiophene Tetraesters: A New Class of Luminescent Columnar Liquid Crystals. <i>Langmuir</i> , 2015, 31, 8092-8100.	1.6	46
457	Hyperbranched red light-emitting phosphorescent polymers based on iridium complex as the core. <i>Journal of Luminescence</i> , 2015, 167, 179-185.	1.5	21
458	Synthesis, Characterization, and Properties of Doubly Alkynyl Bridging Dinuclear Cyclometalated Iridium(III) Complexes. <i>Organometallics</i> , 2015, 34, 1766-1778.	1.1	27
459	A Universal Electron-Transporting/Exciton-Blocking Material for Blue, Green, and Red Phosphorescent Organic Light-Emitting Diodes (OLEDs). <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 10466-10474.	4.0	51
460	Macrospirocyclic Oligomer Based on Triphenylamine and Diphenylphosphine Oxide as a Bipolar Host for Efficient Blue Electrophosphorescent Organic Light-Emitting Diodes (OLEDs). <i>Organic Letters</i> , 2015, 17, 1413-1416.	2.4	25
461	Carbazole-carboline core as a backbone structure of high triplet energy host materials. <i>Dyes and Pigments</i> , 2015, 120, 258-264.	2.0	19

#	ARTICLE	IF	CITATIONS
462	Carbazole end-capped and triphenylamine-centered starburst derivative for hole-transport in electroluminescent devices. <i>Optical Materials</i> , 2015, 46, 82-87.	1.7	11
463	Efficient simplified orange and white phosphorescent organic light-emitting devices with reduced efficiency roll-off. <i>Organic Electronics</i> , 2015, 22, 122-126.	1.4	11
464	Efficient charge balance in blue phosphorescent organic light emitting diodes by two types of mixed layer. <i>Thin Solid Films</i> , 2015, 587, 61-65.	0.8	4
465	Near infrared-emitting tris-bidentate Os(II) phosphors: control of excited state characteristics and fabrication of OLEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4910-4920.	2.7	52
466	Phosphine oxide-jointed electron transporters for the reduction of interfacial quenching in highly efficient blue PHOLEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5430-5439.	2.7	37
467	Wide bandgap materials design toward tunable bandgap and increased carrier injection property: silane interrupting $\pi$ -conjugation together with peripheral carbazolyl substituents. <i>RSC Advances</i> , 2015, 5, 21596-21603.	1.7	2
468	Synthesis, characterization and X-ray structural studies of three hybrid inorganic-organic compounds: Silver(I)-, lead(II)- and tris(phenanthroline)copper(II)-2,6-naphthalenedisulfonate (2,6-nds). <i>Inorganica Chimica Acta</i> , 2015, 432, 221-230.	1.2	16
469	Passivation of Metal Oxide Surfaces for High-Performance Organic and Hybrid Optoelectronic Devices. <i>Chemistry of Materials</i> , 2015, 27, 2532-2539.	3.2	62
470	Stable Luminescent Metal-Organic Frameworks as Dual-Functional Materials To Encapsulate $\text{Ln}^{3+}$ Ions for White-Light Emission and To Detect Nitroaromatic Explosives. <i>Inorganic Chemistry</i> , 2015, 54, 3290-3296.	1.9	196
471	Yellow electrophosphorescent devices with hosts containing N1-(naphthalen-1-yl)-N1,N4-diphenylnaphthalene-1,4-diamine and tetraphenylsilane units. <i>RSC Advances</i> , 2015, 5, 27235-27241.	1.7	7
472	Efficient deep blue fluorescent emitter showing high external quantum efficiency. <i>Dyes and Pigments</i> , 2015, 120, 200-207.	2.0	53
473	Extremely high chromatic-stability white organic light-emitting device with symmetrical cascade emissive layer. <i>Organic Electronics</i> , 2015, 23, 199-207.	1.4	21
474	Triarylboron-Functionalized Metal Complexes for OLEDs. <i>Green Chemistry and Sustainable Technology</i> , 2015, , 207-239.	0.4	4
475	New homoleptic iridium complexes with $\text{C}^{\wedge}\text{N}$ type ligand for high efficiency orange and single emissive-layer white OLEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5412-5418.	2.7	26
476	A low-cost phenylbenzoimidazole containing electron transport material for efficient green phosphorescent and thermally activated delayed fluorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5533-5540.	2.7	50
477	Tuning Charge Balance in Solution-Processable Bipolar Triphenylamine-diazafluorene Host Materials for Phosphorescent Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 9445-9452.	4.0	17
478	Effective blocking of the molecular aggregation of novel truxene-based emitters with spirobifluorene and electron-donating moieties for furnishing highly efficient non-doped blue-emitting OLEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 5783-5794.	2.7	41
479	Cu-catalysed direct $\text{C-H}$ (hetero)arylation of [1,2,4]triazolo[4,3-a]pyridine to construct deep-blue-emitting luminophores. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 5372-5375.	1.5	24

#	ARTICLE	IF	CITATIONS
480	Multicolor luminescent hybrid assembled materials based on lanthanide-containing polyoxometalates free from energy transfer crosstalk. <i>RSC Advances</i> , 2015, 5, 34900-34907.	1.7	8
481	Triazine-phosphine oxide electron transporter for ultralow-voltage-driven sky blue PHOLEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4890-4902.	2.7	46
482	Thermal intumescent behavior of a gel containing silica. <i>RSC Advances</i> , 2015, 5, 33208-33211.	1.7	7
483	Effective Host Materials for Blue/White Organic Light-Emitting Diodes by Utilizing the Twisted Conjugation Structure in 10-Phenyl-10-Hydroacridine Block. <i>Chemistry - an Asian Journal</i> , 2015, 10, 1402-1409.	1.7	31
484	Triphenyl phosphine oxide-bridged bipolar host materials for green and red phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2015, 27, 173-182.	1.4	11
485	BINOL-based chiral aggregation-induced emission luminogens and their application in detecting copper(II) ions in aqueous media. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11458-11463.	2.7	37
486	Trap-level-engineered common red layer for fabricating red, green, and blue subpixels of full-color organic light-emitting diode displays. <i>Optics Express</i> , 2015, 23, 11424.	1.7	14
487	Benzimidazole-phosphine oxide hybrid electron transporters for unilateral homogeneous phosphorescent organic light-emitting diodes with enhanced power efficiency. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11192-11201.	2.7	37
488	New platinum complexes exhibiting host dependent photoluminescence as single dopants in double emitting layer, voltage independent hybrid white electroluminescence devices. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11163-11177.	2.7	20
489	Simulated evolution of fluorophores for light emitting diodes. <i>Journal of Chemical Physics</i> , 2015, 142, 104104.	1.2	63
490	Linkage engineering in hosts for dramatic efficiency enhancement of blue phosphorescent organic light-emitting diodes. <i>Optics Express</i> , 2015, 23, 12887.	1.7	10
491	DFT/TDDFT studies of the ancillary ligand effects on structures and photophysical properties of rhenium (I) tricarbonyl complexes with the imidazo[4,5-f]-1,10-phenanthroline ligand. <i>International Journal of Quantum Chemistry</i> , 2015, 115, 1467-1474.	1.0	7
492	Ir(III)-Based Phosphors with Bipyrazolate Ancillaries; Rational Design, Photophysics, and Applications in Organic Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2015, 54, 10811-10821.	1.9	36
493	The luminescence properties of the heteroleptic $[\text{Re}(\text{CO})_3(\text{N}^{\oplus}\text{N})\text{Cl}]$ and $[\text{Re}(\text{CO})_3(\text{N}^{\oplus}\text{N})(\text{CH}_3)_3\text{CN}]$ complexes in view of the combined Marcus-Jortner and Mulliken-Hush formalism. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30468-30480.	1.3	25
494	An exploration of N-heterocyclic carbene-based Ir(III) complexes for phosphorescent organic light-emitting diode applications. <i>Dyes and Pigments</i> , 2015, 123, 132-138.	2.0	7
495	Efficient single light-emitting layer pure blue phosphorescent organic light-emitting devices with wide gap host and matched interlayer. <i>Journal of Luminescence</i> , 2015, 168, 38-42.	1.5	5
496	Inverted and large flexible organic light-emitting diodes with low operating voltage. <i>Journal of Materials Chemistry C</i> , 2015, 3, 12399-12402.	2.7	19
497	Phosphorescent Iridium(III) Complexes Bearing Fluorinated Aromatic Sulfonyl Group with Nearly Unity Phosphorescent Quantum Yields and Outstanding Electroluminescent Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24703-24714.	4.0	57

#	ARTICLE	IF	CITATIONS
498	Efficient Deep Blue Electroluminescence with an External Quantum Efficiency of 6.8% and CIE $x < 0.08$ Based on a Phenanthroimidazole-Sulfone Hybrid Donor-Acceptor Molecule. <i>Chemistry of Materials</i> , 2015, 27, 7050-7057.	3.2	239
499	Efficient saturated red electrophosphorescence by using solution-processed 1-phenylisoquinoline-based iridium phosphors with peripheral functional encapsulation. <i>Organic Electronics</i> , 2015, 26, 400-407.	1.4	20
500	DFT and Bader's AIM analysis of 2,5-diphenyl-1,3,4-oxadizole molecule: A organic light emitting diode (OLED). <i>Journal of Theoretical and Computational Chemistry</i> , 2015, 14, 1550038.	1.8	8
501	Synthesis, characterization, and photo- and electro-luminescence of new Ir(III) complexes with carrier transporting group-functionalized dibenzoylmethane ligand for green phosphorescent OLEDs. <i>Synthetic Metals</i> , 2015, 209, 319-328.	2.1	14
502	Correlation of the molecular structure of host materials with lifetime and efficiency of blue phosphorescent organic light-emitting diodes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 24468-24474.	1.3	15
503	Synthesis and photo- and electro-luminescent properties of Ir(III) complexes attached to polyhedral oligomeric silsesquioxane materials. <i>RSC Advances</i> , 2015, 5, 80572-80582.	1.7	13
504	High efficiency yellow organic light-emitting diodes with optimized barrier layers. <i>Solid-State Electronics</i> , 2015, 114, 87-89.	0.8	6
505	Electrochemical synthesis and electrochromic properties of new conjugated polycarbazoles from di(carbazol-9-yl)-substituted triphenylamine and N-phenylcarbazole derivatives. <i>Journal of Electroanalytical Chemistry</i> , 2015, 758, 100-110.	1.9	38
506	Novel phosphorescent iridium(III) complexes containing 2-thienyl quinazoline ligands: synthesis, photophysical properties and theoretical calculations. <i>RSC Advances</i> , 2015, 5, 97841-97848.	1.7	12
507	Phenothiazine dioxide based high triplet energy host materials for blue phosphorescent organic light-emitting diodes. <i>RSC Advances</i> , 2015, 5, 97903-97909.	1.7	17
508	Deep-blue emitting pyrene-benzimidazole conjugates for solution processed organic light-emitting diodes. <i>RSC Advances</i> , 2015, 5, 8727-8738.	1.7	31
509	Unlocking the Full Potential of Conducting Polymers for High-Efficiency Organic Light-Emitting Devices. <i>Advanced Materials</i> , 2015, 27, 929-934.	11.1	32
510	Highly Efficient Luminescence of Cu(I) Compounds: Thermally Activated Delayed Fluorescence Combined with Short-Lived Phosphorescence. <i>Journal of the American Chemical Society</i> , 2015, 137, 399-404.	6.6	394
511	A versatile efficient one-step approach for carbazole-pyridine hybrid molecules: highly efficient host materials for blue phosphorescent OLEDs. <i>Chemical Communications</i> , 2015, 51, 1650-1653.	2.2	93
512	Recent advances of the emitters for high performance deep-blue organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 913-944.	2.7	492
513	Spiro-configured phenyl acridine thioxanthene dioxide as a host for efficient PhOLEDs. <i>Chemical Communications</i> , 2015, 51, 1313-1315.	2.2	69
514	Toward high efficiency green phosphorescent organic light-emitting diodes by fine tuning the charge transporting properties of 1,2,4-thiadiazole based hosts. <i>Organic Electronics</i> , 2015, 16, 177-185.	1.4	10
515	Highly Efficient and Stable Narrow-Band Phosphorescent Emitters for OLED Applications. <i>Advanced Optical Materials</i> , 2015, 3, 390-397.	3.6	115

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516	<i>ortho</i>, <i>meta</i>, and <i>para</i>-Dihydroindenofluorene Derivatives as Host Materials for Phosphorescent OLEDs. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1176-1180.	7.2	129
517	Donor-acceptor type material as a triplet host for high efficiency white phosphorescent organic light-emitting diodes. <i>Synthetic Metals</i> , 2015, 199, 105-109.	2.1	8
518	Highly phosphorescent green emitting iridium(III) complexes for application in OLEDs. <i>New Journal of Chemistry</i> , 2015, 39, 235-245.	1.4	23
519	Synthesis, spectroscopy, and electrochemistry of ionic hosts for organic electronics. <i>Journal of Molecular Structure</i> , 2015, 1081, 244-247.	1.8	1
520	Synthesis, structures and electrochemical and photophysical properties of anilido-benzoxazole boron difluoride (ABB) complexes. <i>Dalton Transactions</i> , 2015, 44, 1120-1129.	1.6	22
521	Effects of side groups on the kinetics of charge carrier recombination in dye molecule-doped multilayer organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 46-50.	2.7	4
522	Manipulating efficiencies through modification of N-heterocyclic phenyltriazole ligands for blue iridium(III) complexes. <i>Dyes and Pigments</i> , 2015, 113, 655-663.	2.0	11
523	A Solution Processed Flexible Nanocomposite Electrode with Efficient Light Extraction for Organic Light Emitting Diodes. <i>Scientific Reports</i> , 2014, 4, 4307.	1.6	96
524	A wet and dry processable phosphorescent green dye based organic light-emitting diodes. <i>Dyes and Pigments</i> , 2015, 113, 341-350.	2.0	12
525	SimCP3: An Advanced Homologue of SimCP2 as a Solution-Processed Small Molecular Host Material for Blue Phosphorescence Organic Light-Emitting Diodes. <i>Molecules</i> , 2016, 21, 1315.	1.7	0
526	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
527	Multilayer Langmuir-Blodgett films as diffractive external 3D photonic crystal in blue OLEDs. <i>Optics Express</i> , 2016, 24, 27184.	1.7	8
528	Modulation of the Physicochemical Properties of Donor-Spiro-Acceptor Derivatives through Donor Unit Planarisation: Phenylacridine versus Indoloacridine: New Hosts for Green and Blue Phosphorescent Organic Light-Emitting Diodes (PhOLEDs). <i>Chemistry - A European Journal</i> , 2016, 22, 10136-10149.	1.7	49
529	P-170: Synthesis and Device Performances of High Triplet Energy Electron Transport Materials. <i>Digest of Technical Papers SID International Symposium</i> , 2016, 47, 1757-1759.	0.1	1
530	Efficient white OLEDs employing red, green, and blue tetradentate platinum phosphorescent emitters. <i>Organic Electronics</i> , 2016, 37, 163-168.	1.4	32
531	Aggregation-Induced Delayed Fluorescence Based on Donor/Acceptor-Tethered Janus Carborane Triads: Unique Photophysical Properties of Nondoped OLEDs. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7171-7175.	7.2	381
532	Fluorescent and electrochromic polymers from 2,8-di(carbazol-9-yl)dibenzothiophene and its S,S-dioxide derivative. <i>Dyes and Pigments</i> , 2016, 134, 51-63.	2.0	33
533	Green organic light-emitting devices with external quantum efficiency up to nearly 30% based on an iridium complex with a tetraphenylimidodiphosphinate ligand. <i>RSC Advances</i> , 2016, 6, 63200-63205.	1.7	20

#	ARTICLE	IF	CITATIONS
534	One-pot Synthesis of Polysubstituted Benzenes through a <i>N,N</i> -dimethyl-4-aminopyridine (DMAP)-catalyzed [4+2] Benzannulation of 1,3-bis(sulfonyl)butadienes and 1,3-substituted Allenones. Chemistry - an Asian Journal, 2016, 11, 1512-1517.	1.7	31
535	A Redox-active Dinuclear Platinum Complex Exhibiting Multicolored Electrochromism and Luminescence. Chemistry - A European Journal, 2016, 22, 491-495.	1.7	37
536	Aggregation-induced Delayed Fluorescence Based on Donor/Acceptor-tethered Janus Carborane Triads: Unique Photophysical Properties of Nondoped OLEDs. Angewandte Chemie, 2016, 128, 7287-7291.	1.6	94
537	Aggregation Induced Emission of 4-[Bis(4-methylphenyl)amino]acetophenone. Journal of Photopolymer Science and Technology = [Fotopolymery Konwakai Shi], 2016, 29, 369-372.	0.1	3
538	Self-host yellow iridium dendrimers based on carbazole dendrons: synthesis, characterization and application in solution-processed organic light-emitting diodes. Science China Chemistry, 2016, 59, 1593-1599.	4.2	5
539	Platinum (II) azatetrabenzoporphyrins for near-infrared organic light emitting diodes. Applied Physics Letters, 2016, 109, .	1.5	33
541	Detector-emitter system based on integrated organic vertical light emitting device and near-infrared organic photovoltaic cell. Molecular Crystals and Liquid Crystals, 2016, 639, 177-185.	0.4	0
542	A versatile ferrocene-containing material as a p-type charge generation layer for high-performance full color tandem OLEDs. Chemical Communications, 2016, 52, 14294-14297.	2.2	15
543	Spectroscopic studies on 9H-carbazole-9-(4-phenyl) boronic acid pinacol ester by DFT method. Journal of Molecular Structure, 2016, 1118, 124-138.	1.8	15
544	Simple molecular structure design of iridium(III) complexes: Achieving highly efficient non-doped devices with low efficiency roll-off. Organic Electronics, 2016, 35, 142-150.	1.4	20
545	Influence of the Guest on Aggregation of the Host by Exciton-Polaron Interactions and Its Effects on the Stability of Phosphorescent Organic Light-Emitting Devices. ACS Applied Materials & Interfaces, 2016, 8, 14088-14095.	4.0	40
546	White light generation using Förster resonance energy transfer between 3-hydroxyisoquinoline and Nile Red. Photochemical and Photobiological Sciences, 2016, 15, 609-617.	1.6	14
547	Efficient electron injecting layer for PLEDs based on (PLAGH) <sub>2</sub> [ZnCl <sub>4</sub> ]. Optical and Quantum Electronics, 2016, 48, 1.	1.5	2
548	Stereoselective synthesis and properties of 1,3-bis(dicyanomethylidene)indane-5-carboxylic acid acceptor fragment containing nonlinear optical chromophores. Journal of Materials Chemistry C, 2016, 4, 5019-5030.	2.7	11
549	Effect of mixed hole transporting host on the mobility, Gaussian density of states and efficiencies of a heterojunction phosphorescent organic light emitting diode. Journal Physics D: Applied Physics, 2016, 49, 155103.	1.3	7
550	Metal-Organic and Organic TADF-Materials: Status, Challenges and Characterization. Topics in Current Chemistry, 2016, 374, 22.	3.0	54
551	Aromatic substituents for prohibiting side-chain packing and $\pi$ - $\pi$ stacking in tin-cored tetrahedral stilbenoids. Electronic Materials Letters, 2016, 12, 388-398.	1.0	7
552	Dimesitylborane-based luminescent emitters exhibiting highly-efficient thermally activated delayed fluorescence for organic light-emitting diodes. Organic Electronics, 2016, 34, 208-217.	1.4	77

#	ARTICLE	IF	CITATIONS
553	Influence of the D/A ratio of 1,3,5-triphenylbenzene based starburst host materials on blue electrophosphorescent devices: a comparative study. <i>RSC Advances</i> , 2016, 6, 46775-46784.	1.7	6
554	Design Strategy for High-Performance Dendritic Carbazole-Containing Alkynylplatinum(II) Complexes and Their Application in Solution-Processable Organic Light-Emitting Devices. <i>Journal of the American Chemical Society</i> , 2016, 138, 6281-6291.	6.6	72
555	Solution-processable bipolar host materials composed of fluorenyl, carbazolyl and 1,3,4-oxadiazolyl derivatives: synthesis and application in phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5091-5101.	2.7	8
556	Copper(I) Complexes for Thermally Activated Delayed Fluorescence: From Photophysical to Device Properties. <i>Topics in Current Chemistry</i> , 2016, 374, 25.	3.0	133
557	Indolo[3,2,1-jk]carbazole based planarized CBP derivatives as host materials for PhOLEDs with low efficiency roll-off. <i>Organic Electronics</i> , 2016, 34, 237-245.	1.4	40
558	Enhancement of both electroluminescent and ultraviolet detective properties in organic optoelectronic integrated device realized by two triplet-triplet annihilation materials. <i>Synthetic Metals</i> , 2016, 220, 323-328.	2.1	10
559	Recent advances in flexible organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9116-9142.	2.7	254
560	Design and synthesis of efficient blue thermally activated delayed fluorescence molecules bearing triarylborane and 10,10-dimethyl-5,10-dihydrophenazasiline moieties. <i>Tetrahedron Letters</i> , 2016, 57, 4914-4917.	0.7	29
561	Synthesis, Properties, and Light-Emitting Electrochemical Cell (LEEC) Device Fabrication of Cationic Ir(III) Complexes Bearing Electron-Withdrawing Groups on the Cyclometalating Ligands. <i>Inorganic Chemistry</i> , 2016, 55, 10361-10376.	1.9	43
562	Heteroleptic [Os(H)(CO)(N <sup>+</sup> )(tpp) <sub>2</sub> ] <sup>+</sup> and [Os(Cl)(CO)(N <sup>+</sup> )(tpp) <sub>2</sub> ] <sup>+</sup> complexes – comparative studies of their luminescence properties. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28982-28996.	1.3	6
563	Highly Air-Stable Electron-Transport Material for Inkjet-Printed OLEDs. <i>Chemistry - A European Journal</i> , 2016, 22, 16576-16585.	1.7	31
564	Micro-crystals of metal-organic frameworks constructed from pyrene-based organic linkers and lanthanide ions for tunable white light emission. <i>CrystEngComm</i> , 2016, 18, 8372-8376.	1.3	11
566	Pyridoindole based intramolecular charge transfer type host material for blue phosphorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , 2016, 134, 285-290.	2.0	6
567	Organic Light-Emitting Diodes (OLEDs): Working Principles and Device Technology. <i>Lecture Notes in Quantum Chemistry II</i> , 2016, , 145-196.	0.3	13
568	Novel Hole-Transporting Materials with High Triplet Energy for Highly Efficient and Stable Organic Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18748-18755.	1.5	46
569	Optical properties and solvatochromism of fluorene derivatives bearing S,S-dioxidized thiophene. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 1254-1263.	1.6	18
570	Simple Bipolar Host Materials for High-Efficiency Blue, Green, and White Phosphorescence OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 22382-22391.	4.0	69
571	Fundamental functions of peripheral and core pyridine rings in a series of bis-terpyridine derivatives for high-performance organic light-emitting devices. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8980-8988.	2.7	26



#	ARTICLE	IF	CITATIONS
572	Controlling the emission efficiency of blue-green iridium(iii) phosphorescent emitters and applications in solution-processed organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8939-8946.	2.7	23
573	Simplified Hybrid White Organic Light-Emitting Diodes with a Mixed Fluorescent Blue Emitting Layer for Exciton Managing and Lifetime Improving. <i>Advanced Optical Materials</i> , 2016, 4, 2051-2056.	3.6	36
574	Hole-transporting small molecules as a mixed host for efficient solution processed green phosphorescent organic light emitting diodes. <i>Organic Electronics</i> , 2016, 38, 29-34.	1.4	10
575	Metal Complexes with Azolate-Functionalized Multidentate Ligands: Tactical Designs and Optoelectronic Applications. <i>Chemistry - A European Journal</i> , 2016, 22, 17892-17908.	1.7	64
576	Theoretical study and design of cyclometalated platinum complexes bearing innovatively a highly-rigid terdentate ligand with carboranyl as a chelating unit. <i>RSC Advances</i> , 2016, 6, 78241-78251.	1.7	7
577	A cationic iridium complex meets an electron-transporting counter-anion: enhanced performances of solution-processed phosphorescent light-emitting diodes. <i>Chemical Communications</i> , 2016, 52, 14466-14469.	2.2	13
578	Solution-processed nickel oxide nanoparticles with NiOOH for hole injection layers of high-efficiency organic light-emitting diodes. <i>Nanoscale</i> , 2016, 8, 17608-17615.	2.8	31
579	The Influence of Quasipolar 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
580	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
581	High performance red organic electroluminescent devices based on a trivalent iridium complex with stepwise energy levels. <i>RSC Advances</i> , 2016, 6, 71282-71286.	1.7	9
582	Perovskite Luminescent Materials. <i>Topics in Current Chemistry</i> , 2016, 374, 52.	3.0	20
583	Solution-processable bipolar S,S-dioxide-dibenzothiophene chromophores for single-layer organic light-emitting diodes. <i>New Journal of Chemistry</i> , 2016, 40, 7741-7749.	1.4	2
584	New exploration towards dinuclear iridium(ii) complexes materials under chlorine-bridged precursor. <i>RSC Advances</i> , 2016, 6, 68960-68963.	1.7	3
585	Utilizing 9,10-dihydroacridine and pyrazine-containing donor-acceptor host materials for highly efficient red phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7869-7874.	2.7	22
586	Thermally Cross-Linkable Host Materials for Solution-Processed OLEDs: Synthesis, Characterization, and Optoelectronic Properties. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3737-3747.	1.2	25
587	Dinuclear cyclometalated platinum( <i>II</i> ) complexes containing a deep blue fluorescence chromophore: synthesis, photophysics and application in single dopant white PLEDs. <i>Dalton Transactions</i> , 2016, 45, 14131-14140.	1.6	7
590	Self-Host Blue-Emitting Iridium Dendrimer Containing Bipolar Dendrons for Nondoped Electrophosphorescent Devices with Superior High-Brightness Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 29600-29607.	4.0	46
591	Near-infrared roll-off-free electroluminescence from highly stable diketopyrrolopyrrole light emitting diodes. <i>Scientific Reports</i> , 2016, 6, 34096.	1.6	39

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592	Sky-blue OLED through PVK:[Ir(Fppy) <sub>2</sub> (Mepic)] active layer. <i>Synthetic Metals</i> , 2016, 222, 393-396.	2.1	13
593	Asymmetric <i>trans</i> -Heteroleptic Iridium(III) Complexes Containing a 9-Phenyl-9-phosphafluorene Oxide Moiety with Enhanced Charge Carrier Injection/Transporting Properties for Highly Efficient Solution-Processed Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2016, 28, 8556-8569.	3.2	58
594	Low efficiency roll-off and high performance OLEDs employing alkyl group modified iridium(III) complexes as emitters. <i>RSC Advances</i> , 2016, 6, 111556-111563.	1.7	7
595	Evolution of 2,3-bipyridine class of cyclometalating ligands as efficient phosphorescent iridium(III) emitters for applications in organic light emitting diodes. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2016, 29, 29-47.	5.6	41
596	The Root Causes of the Limited Stability of Solution-Coated Small-Molecule Organic Light-Emitting Devices: Faster Host Aggregation by Exciton-Polaron Interactions. <i>Advanced Functional Materials</i> , 2016, 26, 8662-8669.	7.8	27
597	BOIMPY: Fluorescent Boron Complexes with Tunable and Environment-Responsive Light-Emitting Properties. <i>Chemistry - A European Journal</i> , 2016, 22, 17321-17328.	1.7	37
598	Rational design and characterization of heteroleptic phosphorescent iridium(III) complexes for highly efficient deep-blue OLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10246-10252.	2.7	48
599	High-brightness organic light-emitting diodes for optogenetic control of <i>Drosophila</i> locomotor behaviour. <i>Scientific Reports</i> , 2016, 6, 31117.	1.6	32
600	Molecular silicasol-based barrier coatings for organic electronics. <i>Nanotechnologies in Russia</i> , 2016, 11, 617-624.	0.7	0
601	Synthesis, photo- and electro-luminescence of red-emitting Ir(III) complexes with 2-(1-naphthyl)benzothiazole and carrier transporting group-functionalized picolinate ligands. <i>Journal of Organometallic Chemistry</i> , 2016, 825-826, 33-40.	0.8	9
602	Arrays of microscopic organic LEDs for high-resolution optogenetics. <i>Science Advances</i> , 2016, 2, e1600061.	4.7	69
603	Simplified Bilayer White Phosphorescent Organic Light-Emitting Diodes. <i>ETRI Journal</i> , 2016, 38, 260-264.	1.2	21
604	Pyridyl Pyrrolide Boron Complexes: The Facile Generation of Thermally Activated Delayed Fluorescence and Preparation of Organic Light-Emitting Diodes. <i>Angewandte Chemie</i> , 2016, 128, 3069-3073.	1.6	32
605	Exposing the Excited-State Equilibrium in an Ir(III) Bichromophore: A Combined Time Resolved Spectroscopy and Computational Study. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1808-1818.	1.0	34
606	Synthesis, photophysical and electroluminescent properties of blue-emitting dual core imidazole-anthracene/pyrene derivatives. <i>RSC Advances</i> , 2016, 6, 60264-60270.	1.7	10
607	Synthesis and Physical Properties of Three-Dimensionally Insulated Molecular Wires. , 2016, , 141-164.		0
608	Spatially separated donor-acceptor design of host materials for independent control of photophysical properties and carrier transport properties. <i>Synthetic Metals</i> , 2016, 215, 121-126.	2.1	1
609	Synthesis, characterization, single crystal X-ray structure, EPR and theoretical studies of a new hybrid inorganic-organic compound [Cu(Hdien) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ](pnb) <sub>4</sub> ·4H <sub>2</sub> O and its structural comparison with related [Cu(en) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ](pnb) <sub>2</sub> . <i>Journal of Molecular Structure</i> , 2016, 1123, 124-132.	1.8	16

#	ARTICLE	IF	CITATIONS
610	Understanding the efficiency drooping of the deep blue organometallic phosphors: a computational study of radiative and non-radiative decay rates for triplets. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6829-6838.	2.7	82
611	Optimizing efficiency of polycrystalline p-Si anode organic light-emitting diode. <i>Rare Metals</i> , 2016, 35, 826-830.	3.6	1
612	Improved out-coupling efficiency from a green microcavity OLED with a narrow band emission source. <i>Organic Electronics</i> , 2016, 37, 141-147.	1.4	30
613	High-Efficiency Blue Organic Light-Emitting Diodes Based on Thermally Activated Delayed Fluorescence from Phenoxaphosphine and Phenoxathiin Derivatives. <i>Advanced Materials</i> , 2016, 28, 4626-4631.	11.1	179
614	Pyridyl Pyrrolide Boron Complexes: The Facile Generation of Thermally Activated Delayed Fluorescence and Preparation of Organic Light-Emitting Diodes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3017-3021.	7.2	166
615	The Halogen Bond. <i>Chemical Reviews</i> , 2016, 116, 2478-2601.	23.0	2,906
616	Palladium-catalyzed arylations in 4-pyrone systems: 2,6-diaryl-3,5-dibromo-4-pyrones and kojic acid. <i>Monatshefte für Chemie</i> , 2016, 147, 1107-1111.	0.9	5
617	High-efficiency and superior color-stability white phosphorescent organic light-emitting diodes based on double mixed-host emission layers. <i>Organic Electronics</i> , 2016, 31, 136-141.	1.4	17
618	Triphenylene-Based Room-Temperature Discotic Liquid Crystals: A New Class of Blue-Light-Emitting Materials with Long-Range Columnar Self-Assembly. <i>Langmuir</i> , 2016, 32, 1120-1126.	1.6	54
619	Extremely condensing triplet states of DPEPO-type hosts through constitutional isomerization for high-efficiency deep-blue thermally activated delayed fluorescence diodes. <i>Chemical Science</i> , 2016, 7, 2870-2882.	3.7	92
620	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
621	Alkynyl bridged cyclometalated Ir <sub>2</sub> M <sub>2</sub> clusters: impact of the heterometal in the photo- and electro-luminescence properties. <i>Dalton Transactions</i> , 2016, 45, 3251-3255.	1.6	11
622	Nondoped deep blue OLEDs based on Bis-(4-benzenesulfonyl-phenyl)-9-phenyl-9 H -carbazoles. <i>Journal of Luminescence</i> , 2016, 172, 7-13.	1.5	17
623	Exact exchange and the density functional theory of metal-to-ligand charge-transfer in fac-Ir(ppy) <sub>3</sub> . <i>Organic Electronics</i> , 2016, 33, 110-115.	1.4	11
624	Tetradentate Pt(II) Complexes with 6-Membered Chelate Rings: A New Route for Stable and Efficient Blue Organic Light Emitting Diodes. <i>Chemistry of Materials</i> , 2016, 28, 3276-3282.	3.2	129
625	Construction of Substituted Benzenes via Pd-Catalyzed Cross-Coupling/Cyclization Reaction of Vinyl Halides and Terminal Alkynes. <i>Journal of Organic Chemistry</i> , 2016, 81, 3329-3334.	1.7	17
626	Linkage and donor-acceptor effects on resistive switching memory devices of 4-(N-carbazolyl)triphenylamine-based polymers. <i>RSC Advances</i> , 2016, 6, 28815-28819.	1.7	21
627	Intramolecular Interaction, Photoisomerization, and Mechanical C-C Bond Dissociation of 1,2-Di(9-anthryl)benzene and Its Photoisomer: A Fundamental Moiety of Anthracene-Based $\pi$ -Cluster Molecules. <i>Journal of Organic Chemistry</i> , 2016, 81, 2106-2112.	1.7	24

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628	Improving lifetime of phosphorescent organic light-emitting diodes by using a non-conjugated hybrid host. <i>Organic Electronics</i> , 2016, 32, 21-26.	1.4	16
629	Pure white-light and colour-tuning of Eu <sup>3+</sup> –Gd <sup>3+</sup> -containing metallopolymer. <i>Chemical Communications</i> , 2016, 52, 3713-3716.	2.2	54
630	Pincer-CNC mononuclear, dinuclear and heterodinuclear Au( <sup>iii</sup> ) and Pt( <sup>ii</sup> ) complexes supported by mono- and poly-N-heterocyclic carbenes: synthesis and photophysical properties. <i>Dalton Transactions</i> , 2016, 45, 5549-5556.	1.6	26
631	Computational design of benzo [1,2-b:4,5-b'] dithiophene based thermally activated delayed fluorescent materials. <i>Dyes and Pigments</i> , 2016, 127, 189-196.	2.0	9
632	From Mononuclear to Dinuclear Iridium(III) Complex: Effective Tuning of the Optoelectronic Characteristics for Organic Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2016, 55, 1720-1727.	1.9	127
633	Emission-Tunable Multicolor Graphene Molecules with Controllable Synthesis, Excellent Optical Properties, and Specific Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 7938-7947.	4.0	6
634	High triplet energy electron transport type exciton blocking materials for stable blue phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2016, 32, 109-114.	1.4	38
635	AIE active triphenylamine–benzothiazole based motifs: ESIPT or ICT emission. <i>RSC Advances</i> , 2016, 6, 26941-26949.	1.7	35
636	A stable Alq <sub>3</sub> @MOF composite for white-light emission. <i>Chemical Communications</i> , 2016, 52, 3288-3291.	2.2	81
637	A series of fluorinated phenylpyridine-based electron-transporters for blue phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1104-1110.	2.7	31
638	New Benzimidazole-Based Bipolar Hosts: Highly Efficient Phosphorescent and Thermally Activated Delayed Fluorescent Organic Light-Emitting Diodes Employing the Same Device Structure. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 2635-2643.	4.0	99
639	Highly phosphorescent platinum( <sup>ii</sup> ) emitters: photophysics, materials and biological applications. <i>Chemical Science</i> , 2016, 7, 1653-1673.	3.7	437
640	Charge generation mechanism of tandem organic light emitting diodes with pentacene/C <sub>70</sub> organic heterojunction as the connecting layer. <i>Journal of Materials Chemistry C</i> , 2016, 4, 376-382.	2.7	32
641	Highly efficient terbium( <sup>iii</sup> )-based organic light-emitting diodes obtained by exciton confinement. <i>Journal of Materials Chemistry C</i> , 2016, 4, 121-125.	2.7	30
642	Interconnectors in Tandem Organic Light Emitting Diodes and Their Influence on Device Performance. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 154-163.	1.9	14
643	Blue light emission from cyclometallated iridium(III) cyano complexes: Syntheses, crystal structures, and photophysical properties. <i>Inorganica Chimica Acta</i> , 2016, 440, 165-171.	1.2	13
644	Deep blue phosphorescent organic light-emitting diodes with very high brightness and efficiency. <i>Nature Materials</i> , 2016, 15, 92-98.	13.3	696
645	Highly efficient bipolar host material based-on indole and triazine moiety for red phosphorescent light-emitting diodes. <i>Dyes and Pigments</i> , 2016, 124, 188-195.	2.0	30

#	ARTICLE	IF	CITATIONS
646	Molecular design of host materials for high power efficiency in blue phosphorescent organic light-emitting diodes doped with an imidazole ligand based triplet emitter. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3792-3797.	2.7	27
647	Efficient red organic electroluminescent devices based on trivalent europium complex obtained by designing the device structure with stepwise energy levels. <i>Journal of Luminescence</i> , 2016, 170, 692-696.	1.5	26
648	Molecular stacking dependent phosphorescence-fluorescence dual emission in a single luminophore for self-recoverable mechanoconversion of multicolor luminescence. <i>Chemical Communications</i> , 2017, 53, 2661-2664.	2.2	90
649	Luminescence enhancement of (Sr <sub>1-x</sub> M <sub>2</sub> SiO <sub>4</sub> :Eu <sup>2+</sup> ) <sub>1-x</sub> Zn <sub>2</sub> partial substitution phosphors with M (Ca <sup>2+</sup> /Zn <sup>2+</sup> ) for white light-emitting diodes. <i>Luminescence</i> , 2017, 32, 119-124.	1.5	7
650	Multilayer light emitting devices with organometal halide perovskite: Polymer composite emission layer: The relationship of device performance with the compositions of emission layer and device configurations. <i>Organic Electronics</i> , 2017, 43, 167-174.	1.4	29
651	High performance red phosphorescent organic electroluminescent devices with characteristic mechanisms by utilizing terbium or gadolinium complexes as sensitizers. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2066-2073.	2.7	31
653	Emissive bis-tridentate Ir(III) metal complexes: Tactics, photophysics and applications. <i>Coordination Chemistry Reviews</i> , 2017, 346, 91-100.	9.5	130
654	Efficient Deep-Blue Electroluminescence Based on Phenanthroimidazole-Dibenzothiophene Derivatives with Different Oxidation States of the Sulfur Atom. <i>Chemistry - an Asian Journal</i> , 2017, 12, 552-560.	1.7	28
655	Rationally Designed Blue Triplet Emitting Gold(III) Complexes Based on a Phenylpyridine-Derived Framework. <i>Chemistry - A European Journal</i> , 2017, 23, 3837-3849.	1.7	19
656	Thieno[3,4-c]pyrrole-4,6-dione as novel building block for host materials for red PhOLEDs. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1997-2004.	2.7	10
657	High T <sub>g</sub> small-molecule phenanthroline derivatives as a potential universal hole-blocking layer for high power-efficiency and stable organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2329-2336.	2.7	15
658	Synthesis and characterization of green-emitting Ir(III) complexes based on a functionalized benzimidazole ligand. <i>New Journal of Chemistry</i> , 2017, 41, 2046-2054.	1.4	18
659	Unexpected Sole Enol-Form Emission of 2-(2-Hydroxyphenyl)oxazoles for Highly Efficient Deep-Blue-Emitting Organic Electroluminescent Devices. <i>Advanced Functional Materials</i> , 2017, 27, 1605245.	7.8	72
660	Novel bluish green benzimidazole-based iridium(III) complexes for highly efficient phosphorescent organic light-emitting diodes. <i>New Journal of Chemistry</i> , 2017, 41, 1973-1979.	1.4	21
661	Luminescent Pt(II) complexes featuring imidazolylidene-pyridylidene and dianionic bipyrazolate: from fundamentals to OLED fabrications. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1420-1435.	2.7	37
662	Chloride Platinum(II) Coordination Compounds with 4-Substituted Terpyridine Ligands as Donor-Acceptor-Donor Systems - Structural, Electrochemical and Luminescence Studies.. <i>ChemistrySelect</i> , 2017, 2, 1071-1078.	0.7	2
663	White-light emissive materials based on dynamic polymerization in supramolecular chemistry. <i>Polymer</i> , 2017, 128, 257-275.	1.8	32
664	Electron-Deficient Dihydroindaceno-Dithiophene Regioisomers for n-Type Organic Field-Effect Transistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 8219-8232.	4.0	37

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665	Facile Approaches to Phosphorescent Bis(cyclometalated) Pentafluorophenyl Pt <sup>IV</sup> Complexes: Photophysics and Computational Studies. <i>Chemistry - A European Journal</i> , 2017, 23, 5758-5771.	1.7	34
666	Light manipulation in organic light-emitting devices by integrating micro/nano patterns. <i>Laser and Photonics Reviews</i> , 2017, 11, 1600145.	4.4	54
667	Dialectics of nature: Temporal and spatial regulation in material sciences. <i>Nano Research</i> , 2017, 10, 1115-1124.	5.8	3
668	Deep-blue thermally activated delayed fluorescence dendrimers with reduced singlet-triplet energy gap for low roll-off non-doped solution-processed organic light-emitting diodes. <i>Dyes and Pigments</i> , 2017, 140, 79-86.	2.0	42
669	A Series of Lanthanide-Based Metal-Organic Frameworks: Synthesis, Structures, and Multicolor Tuning of Single Component. <i>Inorganic Chemistry</i> , 2017, 56, 2345-2353.	1.9	47
670	Efficient Color-Tunable Copper(I) Complexes and Their Applications in Solution-Processed Organic Light-Emitting Diodes. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1490-1498.	1.7	42
671	Triphenyl phosphine oxide and carbazole-based polymer host materials for green phosphorescent organic light-emitting diodes. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017, 35, 611-622.	2.0	9
672	Color Tuning of Efficient Electroluminescence in the Blue and Green Regions Using Heteroleptic Iridium Complexes with 2-Phenoxyoxazole Ancillary Ligands. <i>Organometallics</i> , 2017, 36, 1810-1821.	1.1	16
673	Preparation of Phosphorescent Osmium(IV) Complexes with N,N'-C- and C,N'-Pincer Ligands. <i>Organometallics</i> , 2017, 36, 1848-1859.	1.1	34
674	High efficiency green phosphorescent OLEDs using double-host materials. <i>Dyes and Pigments</i> , 2017, 143, 196-202.	2.0	15
675	High efficiency yellow organic light-emitting diodes with a solution-process feasible iridium based emitter. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5478-5486.	2.7	21
676	Influence of the linkage mode and D/A ratio of carbazole/oxadiazole based host materials on phosphorescent organic light-emitting diodes. <i>Journal of Luminescence</i> , 2017, 188, 612-619.	1.5	7
677	Cu-Catalyzed Aerobic Oxidative C-H/O Cyclization of 2,2'-Binaphthols: Practical Synthesis of PXX Derivatives. <i>Organic Letters</i> , 2017, 19, 2714-2717.	2.4	42
678	Vibrational and optical characterization of s-triazine derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 183, 348-355.	2.0	18
679	Direct C-H arylation: a Greener approach towards facile synthesis of organic semiconducting molecules and polymers. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11550-11571.	5.2	138
680	Dramatic Effect of Solvent on the Rate of Photobleaching of Organic Pyrrole <sub>2</sub> (BOPHY) Dyes. <i>ChemPhotoChem</i> , 2017, 1, 317-325.	1.5	12
681	Strategy for the Realization of Efficient Solution-Processable Phosphorescent Organic Light-Emitting Devices: Design and Synthesis of Bipolar Alkynylplatinum(II) Complexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 6351-6362.	6.6	73
682	Progress on benzimidazole-based iridium(III) complexes for application in phosphorescent OLEDs. <i>Organic Electronics</i> , 2017, 41, 56-72.	1.4	49

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683	Efficient Cyclometalated Platinum(II) Complex with Superior Operational Stability. <i>Advanced Materials</i> , 2017, 29, 1605002.	11.1	80
684	Dibenzo[ g,p ]chrysene: A new platform for highly efficient red phosphorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , 2017, 146, 234-239.	2.0	22
685	Effect of organic cathode interfacial layers on efficiency and stability improvement of polymer solar cells. <i>RSC Advances</i> , 2017, 7, 31158-31163.	1.7	9
686	Operational lifetimes of organic light-emitting diodes dominated by F�rster resonance energy transfer. <i>Scientific Reports</i> , 2017, 7, 1735.	1.6	59
687	Bis�tridentate Ir(III) Metal Phosphors for Efficient Deep�Blue Organic Light�Emitting Diodes. <i>Advanced Materials</i> , 2017, 29, 1702464.	11.1	117
688	Interplay of Fluorescence and Phosphorescence in Organic Biluminescent Emitters. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14946-14953.	1.5	43
689	50�3: <i>Invited Paper</i>: Improving Charge Confinement in Blue OLED Devices Through Novel Design of the Emissive Layer Stack. <i>Digest of Technical Papers SID International Symposium</i> , 2017, 48, 750-753.	0.1	1
690	A superhydrophobic and self-cleaning photoluminescent protein film with high weatherability. <i>Chemical Engineering Journal</i> , 2017, 326, 436-442.	6.6	35
691	Excited state intersystem crossing and the relaxation dynamics of phosphorescent Ir(III) complexes bearing bipyridine-based C^N ligand. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 346, 225-235.	2.0	3
692	Optimized structure of silane-core containing host materials for highly efficient blue TADF OLEDs. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6570-6577.	2.7	39
693	A new phosphorescent heteroleptic cuprous complex with a neutral 2-methylquinolin-8-ol ligand: synthesis, structure characterization, properties and TD�DFT calculations. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 486-491.	0.2	11
694	CN-Modified Host Materials for Improved Efficiency and Lifetime in Blue Phosphorescent and Thermally Activated Delayed Fluorescent Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 13339-13346.	4.0	64
695	Orthogonally substituted aryl derivatives as bipolar hosts for blue phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2017, 46, 105-114.	1.4	15
696	Theoretical investigation on the effect of ancillary ligand modification for highly efficient phosphorescent platinum(<sc>ii</sc>) complex design. <i>RSC Advances</i> , 2017, 7, 17368-17376.	1.7	25
697	Theory and Calculation of the Phosphorescence Phenomenon. <i>Chemical Reviews</i> , 2017, 117, 6500-6537.	23.0	420
698	Heteroleptic Cycloplatinated N-Heterocyclic Carbene Complexes: A New Approach to Highly Efficient Blue-Light Emitters. <i>Inorganic Chemistry</i> , 2017, 56, 4829-4839.	1.9	49
699	The role of sulfur oxidation in controlling the electronic properties of sulfur-containing host molecules for phosphorescent organic light-emitting diodes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 12002-12012.	1.3	10
700	A Macrospirocyclic Carbazole�Fluorene Oligomer as a Solution-Processable Matrix Host Material for Blue Phosphorescent Organic Light-Emitting Diodes with Low Turn-On Voltage and Efficiency Roll-Off. <i>Journal of Physical Chemistry C</i> , 2017, 121, 8692-8702.	1.5	11

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701	Rational Design and Characterization of Heteroleptic Phosphorescent Complexes for Highly Efficient Deep-Red Organic Light-Emitting Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 11749-11758.	4.0	57
702	Synthesis of a Tetraphenylethene-Substituted Tetrapyrrolium Salt with Multifunctionality: Mechanochromism, Cancer Cell Imaging, and DNA Marking. <i>Australian Journal of Chemistry</i> , 2017, 70, 652.	0.5	18
703	Luminescent Iridium(III) Complexes Supported by a Tetradentate Trianionic Ligand Scaffold with Mixed O, N, and C Donor Atoms: Synthesis, Structures, Photophysical Properties, and Material Applications. <i>Organometallics</i> , 2017, 36, 1331-1344.	1.1	18
704	High-triplet-energy derivatives of indole and carbazole as hosts for blue phosphorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , 2017, 139, 487-497.	2.0	9
705	Cyclohexane-Coupled Bipolar Host Materials with High Triplet Energies for Organic Light-Emitting Diodes Based on Thermally Activated Delayed Fluorescence. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 2693-2700.	4.0	29
706	Synthesis, photo- and electro-luminescence of novel red phosphorescent Ir(III) complexes with a silsesquioxane core. <i>Journal of Organometallic Chemistry</i> , 2017, 830, 85-92.	0.8	4
707	Highly Efficient Deep-Blue Electrophosphorescent Pt(II) Compounds with Non-Distorted Flat Geometry: Tetradentate versus Macrocyclic Chelate Ligands. <i>Advanced Functional Materials</i> , 2017, 27, 1604318.	7.8	57
708	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
709	A novel intramolecular charge transfer blue fluorophore for high color stability hybrid di-chromatic white organic light-emitting diodes. <i>Organic Electronics</i> , 2017, 42, 1-7.	1.4	19
710	A series of pure-blue-light emitting Cu(I) complexes with thermally activated delayed fluorescence: structural, photophysical, and computational studies. <i>Dalton Transactions</i> , 2017, 46, 1413-1419.	1.6	27
711	Spectral-distortion-free light extraction from organic light-emitting diodes using nanoscale photonic crystal. <i>Nanotechnology</i> , 2017, 28, 045301.	1.3	8
712	Synthesis, characterization and photophysical properties of a new Cu <sup>2+</sup> selective phosphorescent sensor. <i>Journal of Organometallic Chemistry</i> , 2017, 853, 42-48.	0.8	11
713	Synthesis, photoluminescence properties of novel cationic Ir(III) complexes with phenanthroimidazole derivative as the ancillary ligand. <i>Polyhedron</i> , 2017, 138, 74-81.	1.0	4
714	Mechanical Activation of Platinum-Acetylide Complex for Olefin Hydrosilylation. <i>ACS Macro Letters</i> , 2017, 6, 1146-1150.	2.3	33
715	Photophysical study on unsymmetrical binuclear cycloplatinated (<math>[\text{Pt}(\text{L})_2(\text{L}')_2]</math>) complexes. <i>New Journal of Chemistry</i> , 2017, 41, 13293-13302.	1.4	15
716	A Novel Spiro[acridine-9,9'-fluorene] Derivatives Containing Phenanthroimidazole Moiety for Deep-Blue OLED Application. <i>Chemistry - an Asian Journal</i> , 2017, 12, 3069-3076.	1.7	30
717	Highly Efficient Red and White Organic Light-Emitting Diodes with External Quantum Efficiency beyond 20% by Employing Pyridylimidazole-Based Metallophosphors. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 37873-37882.	4.0	65
718	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



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719	Precise Exciton Allocation for Highly Efficient White Organic Light-Emitting Diodes with Low Efficiency Roll-Off Based on Blue Thermally Activated Delayed Fluorescent Exciplex Emission. <i>Advanced Optical Materials</i> , 2017, 5, 1700415.	3.6	95
720	Efficient sky-blue emitting Pt(II) complexes based on imidazo[1,2-f]phenanthridine-containing tetradentate ligands. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9496-9503.	2.7	20
721	Luminescent Three- and Four-Coordinate Dinuclear Copper(I) Complexes Triply Bridged by Bis(diphenylphosphino)methane and Functionalized 3-(2-Pyridyl)-1,2,4-triazole Ligands. <i>Inorganic Chemistry</i> , 2017, 56, 10311-10324.	1.9	36
722	Tuning the self-assembly and photophysical properties of bi-1,3,4-thiadiazole derivatives through electron donor-acceptor interactions and their application in OLEDs. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9345-9358.	2.7	44
723	Synthesis and photoluminescence of Eu <sup>3+</sup> /Dy <sup>3+</sup> -doped CaGdAlO <sub>4</sub> phosphors for white light emitting diodes. <i>Integrated Ferroelectrics</i> , 2017, 179, 148-158.	0.3	3
724	Isobenzofuranone- and Chromone-Based Blue Delayed Fluorescence Emitters with Low Efficiency Roll-Off in Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2017, 29, 8012-8020.	3.2	68
725	Seven copper (I) complexes of diphosphine ligands and N <sup>N</sup> ligands: Syntheses, structural characterizations and spectroscopic properties. <i>Polyhedron</i> , 2017, 138, 46-56.	1.0	15
726	Near-infrared luminescence in perovskite BaSnO <sub>3</sub> epitaxial films. <i>Applied Physics Letters</i> , 2017, 111, 091903.	1.5	9
727	An ideal universal host for highly efficient full-color, white phosphorescent and TADF OLEDs with a simple and unified structure. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10406-10416.	2.7	63
728	Synthesis, photophysical, electrochemical and electroluminescence studies of red emitting phosphorescent Ir(III) heteroleptic complexes. <i>Journal of Chemical Sciences</i> , 2017, 129, 1391-1398.	0.7	4
729	Modulating the Physical and Electronic Properties over Positional Isomerism: The Dispirofluorene-Dihydroindacenodithiophene (DSF-DIT) Family. <i>Chemistry - A European Journal</i> , 2017, 23, 17290-17303.	1.7	17
730	Multifunctional Octamethyltetrasila[2.2]cyclophanes: Conformational Variations, Circularly Polarized Luminescence, and Organic Electroluminescence. <i>Journal of the American Chemical Society</i> , 2017, 139, 11214-11221.	6.6	73
731	Blue Phosphorescent Iridium Complexes with Fluorine-Free Main Ligands for Efficient Organic Light-Emitting Diodes. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 830-837.	1.0	4
732	Organic High Electron Mobility Transistors Realized by 2D Electron Gas. <i>Advanced Materials</i> , 2017, 29, 1702427.	11.1	20
733	Novel phosphine oxide-based electron-transporting materials for efficient phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 8579-8585.	2.7	7
734	High efficiency wet-processed green phosphorescent organic light-emitting diodes. , 2017, , .		0
735	Boron-Functionalized Phosphorescent Iridium(III) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4393-4405.	1.0	16
736	Synthesis, Characterization of Bicarbazole Compounds and Their Application in Codepositing Luminescent Copper Iodide Complexes. <i>ChemistrySelect</i> , 2017, 2, 6556-6562.	0.7	2

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737	Substituent-effect investigation of facial and meridional tris(phenylbenzimidazolinato) Ir(III) carbene complexes: A theoretical perspective. <i>Synthetic Metals</i> , 2017, 232, 31-38.	2.1	0
738	Sky Blue-Emitting Iridium(III) Complexes Bearing Nonplanar Tetradentate Chromophore and Bidentate Ancillary. <i>Inorganic Chemistry</i> , 2017, 56, 10054-10060.	1.9	28
739	2,6-Di(thiophenyl)-1,5-dihydrodipyrrolopyrazine (DT-DPP) structural isomers as donor-acceptor-donor molecules and their optoelectronic investigation. <i>RSC Advances</i> , 2017, 7, 39228-39236.	1.7	7
740	Bipolar Host Materials Based on 1,3,5-Triazine Derivative for Green Phosphorescent Organic Light-Emitting Diode. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 1003-1009.	1.0	5
741	Efficient Phosphorescence from Naphthalenebenzimidazole-Coordinated Iridium(III) Chromophores. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5238-5245.	1.0	14
742	Luminescence properties of heteroleptic [Ru(H)(CO)(N <sup>N</sup> )(tpp) <sub>2</sub> ] <sup>+</sup> complexes: comparison with their [Os(H)(CO)(N <sup>N</sup> )(tpp) <sub>2</sub> ] <sup>+</sup> analogues. <i>Journal of Luminescence</i> , 2017, 192, 842-852.	1.5	7
743	Iridium(III) complexes bearing oxadiazol-substituted amide ligands: color tuning and application in highly efficient phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9146-9156.	2.7	31
744	How do ligands influence the quantum yields of cyclometalated platinum(II) complexes, a theoretical research study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 23454-23460.	1.3	5
745	Efficient and high colour-purity green-light polymer light-emitting diodes (PLEDs) based on a PVK-supported Tb <sup>3+</sup> -containing metallopolymer. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9021-9027.	2.7	21
746	Design and Synthesis of Heteroleptic Iridium(III) Phosphors for Efficient Organic Light-Emitting Devices. <i>Inorganic Chemistry</i> , 2017, 56, 15304-15313.	1.9	20
747	Efficient non-doped blue organic light-emitting diodes: donor-acceptor type host materials. <i>RSC Advances</i> , 2017, 7, 54078-54086.	1.7	3
748	Manipulation and exploitation of singlet and triplet excitons for hybrid white organic light-emitting diodes with superior efficiency/CRI/color stability. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12474-12482.	2.7	44
749	Carbazole/indole-containing fluoranthene derivatives for blue organic light-emitting diodes. <i>Molecular Crystals and Liquid Crystals</i> , 2017, 653, 207-213.	0.4	0
750	A directly coupled dual emitting core based molecular design of thermally activated delayed fluorescent emitters. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12143-12150.	2.7	17
751	Pyrene-Based Approach to Tune Emission Color from Blue to Yellow. <i>Journal of Organic Chemistry</i> , 2017, 82, 7176-7182.	1.7	37
752	Rational design and characterization of novel phosphorescent rhenium(I) complexes for extremely high-efficiency organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7629-7636.	2.7	18
753	Novel phosphorescent cationic iridium(III) complexes with o-carboranylation on the ancillary N <sup>N</sup> ligand. <i>Dalton Transactions</i> , 2017, 46, 10082-10089.	1.6	9
754	Highly Efficient Thermally Activated Delayed Fluorescence from an Excited-State Intramolecular Proton Transfer System. <i>ACS Central Science</i> , 2017, 3, 769-777.	5.3	148

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755	Bright green PhOLEDs using cyclometalated iridium(III) complexes with bridging oxamidato ligands as phosphorescent dopants. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6777-6789.	2.7	30
756	MoS <sub>2</sub> -nanosheet/graphene-oxide composite hole injection layer in organic light-emitting diodes. <i>Electronic Materials Letters</i> , 2017, 13, 344-350.	1.0	39
757	Carbazolylphosphines and carbazolylphosphine oxides: facilely synthesized host materials with tunable mobilities and high triplet energy levels for blue phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7344-7351.	2.7	36
758	Simple-structure organic light emitting diodes: Exploring the use of thermally activated delayed fluorescence host and guest materials. <i>Organic Electronics</i> , 2017, 41, 237-244.	1.4	16
759	Phosphorescent Pt(II) and Pd(II) Complexes for Efficient, High Color Quality, and Stable OLEDs. <i>Advanced Materials</i> , 2017, 29, 1601861.	11.1	280
760	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
761	Constructing diazacarbazole-bicarbazole bipolar hybrids by optimizing the linker group for high efficiency, low roll off electrophosphorescent devices. <i>Dyes and Pigments</i> , 2017, 136, 54-62.	2.0	11
762	Highly efficient green phosphorescent organic electroluminescent devices with a terbium complex as the sensitizer. <i>Dyes and Pigments</i> , 2017, 136, 361-367.	2.0	23
763	Homoleptic thiazole-based Ir(III) phosphorescent complexes for achieving both high EL efficiencies and an optimized trade-off among the key parameters of solution-processed WOLEDs. <i>Journal of Materials Chemistry C</i> , 2017, 5, 208-219.	2.7	21
764	Influence of Al <sup>3+</sup> /P <sup>5+</sup> ions substitution on the structure and luminescence properties of Sr <sub>2</sub> SiO <sub>4</sub> :Eu <sup>2+</sup> phosphors for white light emitting diodes. <i>Ceramics International</i> , 2017, 43, 2824-2828.	2.3	8
765	Vapochromic Fluorescence Observed for Emitting Amorphous Molecular Materials: Synthesis and Emitting Properties of 3-{4-[Bis(4-methylphenyl)amino]phenylcarbonyl}-6-{4-[bis(4-methylphenyl)amino]phenyl}-3,5-dimethyl-3,4-dihydro-2H-pyran. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2017, 30, 431-435.	0.1	2
766	Improving electroluminescent efficiency and ultraviolet detectivity of optoelectronic integrated devices by doping a thermally activated delayed fluorescent material in an aggregation-induced emission material as an active layer. <i>Optical Materials Express</i> , 2017, 7, 3538.	1.6	7
767	Small Molecules Derived from Thieno[3,4-c]pyrrole-4,6-dione (TPD) and Their Use in Solution Processed Organic Solar Cells. <i>Molecules</i> , 2017, 22, 1607.	1.7	26
768	Solution-processed thermally activated delayed fluorescence organic light-emitting diodes using a new polymeric emitter containing non-conjugated cyclohexane units. <i>Polymer Chemistry</i> , 2018, 9, 1318-1326.	1.9	73
769	Realizing Highly Efficient Solution-Processed Homo Junction-Like Sky-Blue OLEDs by Using Thermally Activated Delayed Fluorescent Emitters Featuring an Aggregation-Induced Emission Property. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1547-1553.	2.1	103
770	Electronic structure and luminescence properties of unique complexes: cyclometalated iridium(III) chelated by <i>o</i> -carboranyl-pyridine ligands. <i>New Journal of Chemistry</i> , 2018, 42, 5955-5966.	1.4	5
771	Realizing performance improvement of blue thermally activated delayed fluorescence molecule DABNA by introducing substituents on the para-position of boron atom. <i>Chemical Physics Letters</i> , 2018, 701, 98-102.	1.2	17
772	Sensitivity of Redox and Optical Properties of Electroactive Carbazole Derivatives to the Molecular Architecture and Methoxy Substitutions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10138-10152.	1.5	24

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773	Luminescent cyclometalated-pentafluorophenyl Pt II, Pt IV and heteropolynuclear complexes. <i>Coordination Chemistry Reviews</i> , 2018, 366, 69-90.	9.5	55
774	Highly efficient inverted organic light-emitting diodes with organic p-n junction as electron injection layer. <i>Organic Electronics</i> , 2018, 58, 185-190.	1.4	8
775	Efficient CsF interlayer for high and low bandgap polymer solar cell. <i>AIP Advances</i> , 2018, 8, 025018.	0.6	7
776	Structure property relationships of tunable donor-acceptor functionalized dipyrrolopyrazine derivative as selective reversible acid base sensor. <i>Dyes and Pigments</i> , 2018, 156, 233-242.	2.0	13
777	Influence of the Diphosphine Coordination Mode on the Structural and Optical Properties of Cyclometalated Platinum(II) Complexes: An Experimental and Theoretical Study on Intramolecular Pt-Á-Á-Pt and Á-Á-Á-Á Interactions. <i>Inorganic Chemistry</i> , 2018, 57, 5060-5073.	1.9	23
778	Novel o-D-Á-A arylamine/arylphosphine oxide hybrid hosts for efficient phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2018, 56, 186-191.	1.4	9
779	Cyclometalated ruthenium(II) carbonyl complexes containing 2-(biphenylazo)phenolate ligands: Synthesis, structure, DFT study and catalytic activity towards oxidation and transfer hydrogenation. <i>Inorganica Chimica Acta</i> , 2018, 477, 40-50.	1.2	20
780	Anionic iridium(III) complexes and their conjugated polymer soft salts for time-resolved luminescent detection of intracellular oxygen levels. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 436-443.	4.0	23
781	Dithienophosphole-based molecular electron acceptors constructed using direct (hetero)arylation cross-coupling methods. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2148-2154.	2.7	34
782	Dipolar 1,3,6,8-tetrasubstituted pyrene-based blue emitters containing electro-transporting benzimidazole moieties: Syntheses, structures, optical properties, electrochemistry and electroluminescence. <i>Dyes and Pigments</i> , 2018, 152, 1-13.	2.0	16
783	Tunable emission color of Li<sub>2</sub>SrSiO<sub>4</sub>:Tb<sup>3+</sup> due to cross-relaxation process and optical thermometry investigation. <i>Journal of the American Ceramic Society</i> , 2018, 101, 3076-3085.	1.9	29
784	Luminescent osmium(II) complexes with 2-(2-pyridyl)-benzimidazolate anion. <i>Inorganic Chemistry Communication</i> , 2018, 89, 27-31.	1.8	5
785	Design of Metal-Free Polymer Carbon Dots: A New Class of Room-Temperature Phosphorescent Materials. <i>Angewandte Chemie</i> , 2018, 130, 2417-2422.	1.6	55
786	Design of Metal-Free Polymer Carbon Dots: A New Class of Room-Temperature Phosphorescent Materials. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2393-2398.	7.2	429
787	Aza-Diels-Alder Approach to Diquinolineanthracene and Polydiquinolineanthracene Derivatives. <i>Organic Letters</i> , 2018, 20, 502-505.	2.4	20
788	Highly Efficient Phosphorescent Furo[3,2- <i>c</i> ]pyridine Based Iridium Complexes with Tunable Emission Colors over the Whole Visible Range. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 1888-1896.	4.0	42
789	Ti-Catalyzed Hydroamination for the Synthesis of Amine-Containing Á-Conjugated Materials. <i>Chemistry - A European Journal</i> , 2018, 24, 5562-5568.	1.7	15
790	Spirobi[dibenzo[ <i>b</i> ], <i>c</i> ][1,4]azasiline]: a novel platform for host materials in highly efficient organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1023-1030.	2.7	18

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791	Syntheses, structures, and solid-state phosphorescence characteristics of trans-bis(salicylaldiminato)Pt(II) complexes bearing perpendicular N-aryl functionalities. <i>Transition Metal Chemistry</i> , 2018, 43, 115-125.	0.7	3
792	Stretchable Polymer Semiconductors for Plastic Electronics. <i>Advanced Electronic Materials</i> , 2018, 4, 1700429.	2.6	168
793	Exciplex-Forming Cohost for High Efficiency and High Stability Phosphorescent Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 2151-2157.	4.0	66
794	Dispiro and Propellane: Novel Molecular Platforms for Highly Efficient Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 1925-1932.	4.0	23
795	Polyfluorene-based white light conjugated polymers incorporating orange iridium( $\text{Ir}(\text{acac})_3$ ) complexes: the effect of steric configuration on their photophysical and electroluminescent properties. <i>RSC Advances</i> , 2018, 8, 1638-1646.	1.7	10
796	Efficient near-infrared organic light-emitting diodes based on a bipolar host. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1407-1412.	2.7	9
797	Long-Lived and Highly Efficient TADF-PhOLED with $\alpha$ -(A) <sub>n</sub> -D $\alpha$ -(A) <sub>n</sub> -Structured Terpyridine Electron-Transporting Material. <i>Advanced Functional Materials</i> , 2018, 28, 1800429.	7.8	49
798	Novel carbazole derivatives designed by an ortho-linkage strategy for efficient phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4300-4307.	2.7	18
799	Carbazole-dibenzothiophene core as a building block of host materials for blue phosphorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , 2018, 155, 114-120.	2.0	13
800	Pyrimidine based hole-blocking materials with high triplet energy and glass transition temperature for blue phosphorescent OLEDs. <i>Synthetic Metals</i> , 2018, 239, 43-50.	2.1	18
801	Mesomorphic and luminescent properties of side chain nematic liquid-crystalline polymers containing Ir(III). <i>Liquid Crystals</i> , 2018, 45, 401-409.	0.9	1
802	Synthesis and characterization of high quantum yield and oscillator strength 6-chloro-2-(4-cynophenyl)-4-phenyl quinoline (Cl-CN-DPQ) organic phosphor for solid-state lighting. <i>Luminescence</i> , 2018, 33, 297-304.	1.5	5
803	Hybrid inorganic-organic complexes: Synthesis, spectroscopic characterization, single crystal X-ray structure determination and antimicrobial activities of three copper(II)-diethylenetriamine-p-nitrobenzoate complexes. <i>Inorganica Chimica Acta</i> , 2018, 469, 288-297.	1.2	17
804	Synthesis of fluorescent dendrimers with aggregation-induced emission features through a one-pot multi-component reaction and their utilization for biological imaging. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 327-333.	5.0	10
805	Functional 1,8-Naphthalimide AIE/AIEEgens: Recent Advances and Prospects. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12081-12111.	4.0	233
806	Facile preparation and investigation of the properties of single molecular POSS-based white-light-emitting hybrid materials using click chemistry. <i>New Journal of Chemistry</i> , 2018, 42, 555-563.	1.4	13
807	Synthesis and studies of axial chiral bisbenzocoumarins: Aggregation-induced emission enhancement properties and aggregation-annihilation circular dichroism effects. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 193, 141-146.	2.0	15
808	Photophysics of a mono-nuclear tetrahedral silver(I)N <sub>4</sub> core and its copper(I) analog. <i>Inorganica Chimica Acta</i> , 2018, 471, 649-657.	1.2	2

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809	Synthesis and Electronic Properties of Fluoreno[2,1- <i>a</i> ]fluorenedione and Fluoreno[1,2- <i>a</i> ]fluorenedione. <i>Journal of Organic Chemistry</i> , 2018, 83, 510-515.	1.7	10
810	Recent advances in luminescent dinuclear iridium(III) complexes and their application in organic electroluminescent devices. <i>Polyhedron</i> , 2018, 140, 146-157.	1.0	42
811	Trisdibenzofuran-derived electron transport type exciton blocking materials for improved efficiency and lifetime in blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 320-325.	2.7	14
812	A combinational molecular design to achieve highly efficient deep-blue electrofluorescence. <i>Journal of Materials Chemistry C</i> , 2018, 6, 745-753.	2.7	45
813	Blackening of aza-BODIPY analogues by simple dimerization: panchromatic absorption of a pyrrolopyrrole aza-BODIPY dimer. <i>Materials Chemistry Frontiers</i> , 2018, 2, 112-120.	3.2	40
814	Orange electrophosphorescence based on bis(3,5-dimethylphenyl)pyridine iridium (III) complexes for non-halogenated solution processable phosphorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , 2018, 149, 719-727.	2.0	5
815	NLOphoric rigid pyrazino-phenanthroline donor-acceptor compounds: Investigation of structural and solvent effects on non-linear optical properties using computational methods. <i>Optical Materials</i> , 2018, 75, 379-389.	1.7	14
816	High-efficiency/CRI/color stability warm white organic light-emitting diodes by incorporating ultrathin phosphorescence layers in a blue fluorescence layer. <i>Nanophotonics</i> , 2018, 7, 295-304.	2.9	128
817	Efficient deep red phosphorescent OLEDs using 1,2,4-thiadiazole core-based novel bipolar host with low efficiency roll-off. <i>Frontiers of Optoelectronics</i> , 2018, 11, 375-384.	1.9	12
818	Highly efficient non-doped OLEDs using aggregation-induced delayed fluorescence materials based on 10-phenyl-10 <i>H</i> -phenothiazine 5,5-dioxide derivatives. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11436-11443.	2.7	59
819	White Light Emission from Dy (III) activated Sr <sub>2</sub> SiO <sub>4</sub> phosphor. , 2018, , .		0
820	Hybrid PVK: OXD-7: QDs Emitting Layer for High Color Purified Quantum Dot Light Emitting-Diode. , 2018, , .		0
822	Furo[3,2- <i>c</i> ]pyridine based iridium complex containing two methoxyl groups for efficient solution processed phosphorescent OLEDs. <i>Asian Journal of Organic Chemistry</i> , 2018, 8, 185.	1.3	2
823	Synthesis, photo- and electro-luminescence of dinuclear Ir(III) complexes containing bis- <i>l</i> <sup>2</sup> -diketonate carbazole ligand. <i>Journal of Organometallic Chemistry</i> , 2018, 877, 51-58.	0.8	4
824	Quantum-Chemical Insights into the Phosphorescence Efficiencies of Blue-Emitting Platinum Complexes with Phenylene-Bridged Pincer Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 12174-12186.	1.9	11
825	Molecular Design and Device Design to Improve Stabilities of Organic Light-Emitting Diodes. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2018, 31, 315-321.	0.1	8
826	Realization of Thermally Stimulated Delayed Phosphorescence in Arylgold(III) Complexes and Efficient Gold(III) Based Blue-Emitting Organic Light-Emitting Devices. <i>Journal of the American Chemical Society</i> , 2018, 140, 13115-13124.	6.6	84
827	Homoleptic iridium complexes based on furo[3,2- <i>c</i> ]pyridine ligand for efficient phosphorescent OLEDs. <i>Organic Electronics</i> , 2018, 63, 244-249.	1.4	6

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828	Spectroscopic Study of Solvent Polarity on the Optical and Photo-Physical Properties of Novel 9,10-bis(coumarinyl)anthracene. <i>Journal of Fluorescence</i> , 2018, 28, 1421-1430.	1.3	7
829	Optimization for tandem organic light-emitting diodes based on Firpic. <i>Optoelectronics Letters</i> , 2018, 14, 350-354.	0.4	1
830	Tailoring the Emission of Fluorinated Bipyridine-Chelated Iridium Complexes. <i>ACS Omega</i> , 2018, 3, 13808-13816.	1.6	8
831	Tetradentate Cyclometalated Platinum(II) Complexes for Efficient and Stable Organic Light-Emitting Diodes. , 0, , .		4
832	Improvement of barrier performance in thin film encapsulation for organic light-emitting diodes by a prior planarization process. , 2018, , .		0
833	Low-temperature Cross-Linkable Small Molecules for Fully Solution-Processed OLEDs. <i>Chemistry - A European Journal</i> , 2018, 24, 17419-17423.	1.7	5
834	Tetranuclear Iridium Complex with a Self-Host Feature for High-Efficiency Nondoped Phosphorescent Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 32365-32372.	4.0	13
835	Deep-Blue Oxadiazole-Containing Thermally Activated Delayed Fluorescence Emitters for Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 33360-33372.	4.0	67
836	Ca(II)-Mediated Regioselective One-pot Sequential Annulation of Acyclic compounds to Polycyclic Fluorenopyrans. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4422-4428.	2.1	19
837	Phosphorescent cyclometalated iridium( <sup>III</sup> ) complexes: synthesis, photophysics, DNA interaction, cellular internalization, and cytotoxic activity. <i>New Journal of Chemistry</i> , 2018, 42, 16846-16854.	1.4	11
838	Rigorous Characterization and Predictive Modeling of Hole Transport in Amorphous Organic Semiconductors. <i>Advanced Electronic Materials</i> , 2018, 4, 1800366.	2.6	29
839	Silver-copper co-catalyzed cascade intramolecular cyclization/desulfinamide/dehydrogenation: one-pot synthesis of substituted carbazoles. <i>Chemical Communications</i> , 2018, 54, 7143-7146.	2.2	13
840	High-performance Fluorescent Organic Light-Emitting Diodes Utilizing an Asymmetric Anthracene Derivative as an Electron-transporting Material. <i>Advanced Materials</i> , 2018, 30, e1707590.	11.1	68
841	A Novel Linking Strategy of Using 9,10-Dihydroacridine to Construct Efficient Host Materials for Red Phosphorescent Organic Light-Emitting Diodes. <i>Chemistry - A European Journal</i> , 2018, 24, 11755-11762.	1.7	8
842	Triangulene-based Efficient Exciton Blocking Material for Organic Light-emitting Diodes. <i>Chemistry Letters</i> , 2018, 47, 920-922.	0.7	7
843	(3 + 3) Annulation of Nitroallylic Acetates with Stabilized Sulfur Ylides for the Synthesis of 2-Aryl Terephthalates. <i>Journal of Organic Chemistry</i> , 2018, 83, 9471-9477.	1.7	26
844	The Importance of Excited-State Energy Alignment for Efficient Exciplex Systems Based on a Study of Phenylpyridinato Boron Derivatives. <i>Angewandte Chemie</i> , 2018, 130, 12560-12564.	1.6	25
845	New red-emitting Schiff base chelates: promising dyes for sensing and imaging of temperature and oxygen via phosphorescence decay time. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8999-9009.	2.7	35

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846	Two novel blue phosphorescent host materials containing phenothiazine-5,5-dioxide structure derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 869-874.	1.3	9
847	Efficient donor-acceptor host materials for green organic light-emitting devices: non-doped blue-emissive materials with dual charge transport properties. <i>RSC Advances</i> , 2018, 8, 20007-20015.	1.7	4
848	Harvesting Triplet Excitons in OLED. , 2018, , 240-246.		0
849	Engineered Nanomaterials for Organic Light-Emitting Diodes (OLEDs). , 2018, , 312-323.		5
850	The Importance of Excited-State Energy Alignment for Efficient Exciplex Systems Based on a Study of Phenylpyridinato Boron Derivatives. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12380-12384.	7.2	83
851	Efficient green phosphorescent Ir(III) complexes with $\beta^2$ -diketonate ancillary ligands. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2321-2331.	3.0	24
852	Triaryl boron derivatives of pyridine as electron transporting materials for blue phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2018, 62, 5-11.	1.4	3
853	Carbazole/ $\beta$ -carboline hybrid bipolar compounds as electron acceptors in exciplex or non-exciplex mixed cohosts and exciplex-TADF emitters for high-efficiency OLEDs. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8784-8792.	2.7	25
854	9-Silafluorene and 9-germafluorene: novel platforms for highly efficient red phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8144-8151.	2.7	21
855	Using Simple Fused-Ring Thieno[2,3-d]pyrimidine to Construct Orange/Red Ir(III) Complexes: High-Performance Red Organic Light-Emitting Diodes with EQEs up to Nearly 28%. <i>Advanced Optical Materials</i> , 2018, 6, 1800108.	3.6	28
856	A simple and broadly applicable synthesis of fluorene-coupled $\beta$ -type molecules: towards high-triplet-energy bipolar hosts for efficient blue thermally-activated delayed fluorescence. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6949-6957.	2.7	12
857	Dinuclear Cu(I) Complex with Combined Bright TADF and Phosphorescence. Zero-Field Splitting and Spin-Lattice Relaxation Effects of the Triplet State. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2848-2856.	2.1	60
858	Highly efficient bipolar host materials towards solution-processable blue and green thermally activated delayed fluorescence organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10000-10009.	2.7	28
859	Ligand-induced symmetry breaking and concomitant blueshift in the emission wavelength of an octahedral chromium complex. <i>Journal of Molecular Modeling</i> , 2018, 24, 230.	0.8	0
860	Dinuclear and tetranuclear copper(I) iodide complexes with P and P <sup>N</sup> donor ligands: Structural and photoluminescence studies. <i>Polyhedron</i> , 2018, 154, 217-228.	1.0	22
861	Highly efficient green and white fluorescent organic electroluminescent devices with co-doped electron transport material as both supplementary host and blue emitter. <i>Journal of Luminescence</i> , 2018, 204, 668-675.	1.5	6
862	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
863	A cross-linkable hole transport material having improved mobility through a semi-interpenetrating polymer network approach for solution-processed green PHOLEDs. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7750-7758.	2.7	36



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864	2-(4-ethoxy phenyl)-4-phenyl quinoline organic phosphor for solution processed blue organic light-emitting diodes. <i>Luminescence</i> , 2018, 33, 999-1009.	1.5	3
865	Structure and photoluminescence property of Eu, Tb, Zn-containing macromolecular complex for white light emission. <i>Optics and Laser Technology</i> , 2018, 107, 389-397.	2.2	6
866	Thin film deposition of organic hole transporting materials: optical, thermodynamic and morphological properties of naphthyl-substituted benzidines. <i>Journal of Materials Science</i> , 2018, 53, 12974-12987.	1.7	9
867	Organometallic Fluorophores of d 8 Metals (Pd, Pt, Au). <i>Advances in Organometallic Chemistry</i> , 2018, 69, 73-134.	0.5	14
868	OLEDs based on Ln(III) complexes for near-infrared emission. , 2018, , 133-170.		1
869	Highly Efficient Deep-Blue Electroluminescence from a A Structure Based Fluorescence Material with Exciton Utilizing Efficiency above 25%. <i>ACS Applied Energy Materials</i> , 2018, 1, 3243-3254.	2.5	23
870	Triazolopyridine hybrids as bipolar host materials for green phosphorescent organic light-emitting diodes (OLEDs). <i>Dyes and Pigments</i> , 2019, 160, 301-314.	2.0	25
871	Tetraphenylpyrazine decorated 1,3-di(9H-carbazol-9-yl)benzene (mCP): a new AIE-active host with enhanced performance in organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11160-11166.	2.7	10
872	Control of Multicolor and White Emission by Adjusting the Equilibrium between Fluorophores, Lewis Acids, and Their Complexes in Polymers. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14457-14461.	7.2	31
873	Control of Multicolor and White Emission by Adjusting the Equilibrium between Fluorophores, Lewis Acids, and Their Complexes in Polymers. <i>Angewandte Chemie</i> , 2019, 131, 14599-14603.	1.6	11
874	The Important Role of Coordination Geometry on Photophysical Properties of Blue-Green Emitting Ruthenium(II) Diisocyanate Complexes Bearing 2-Benzoxazol-2-ylphenolate. <i>Inorganic Chemistry</i> , 2019, 58, 11372-11381.	1.9	6
875	Unraveling the marked differences of the phosphorescence efficiencies of blue-emitting iridium complexes with isomerized phenyltriazole ligands. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2776-2787.	3.0	5
876	Persulfate-mediated synthesis of polyfunctionalized benzenes in water via the benzannulation of alkynes and 1,2-unsaturated compounds. <i>Green Chemistry</i> , 2019, 21, 5507-5511.	4.6	9
877	High-efficiency pure blue thermally activated delayed fluorescence emitters with a preferentially horizontal emitting dipole orientation via a spiro-linked double A molecular architecture. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10851-10859.	2.7	40
878	High Triplet Energy Phosphine Sulfide Host Materials with Selectively Modulated Electrical Performance for Blue Electrophosphorescence. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15723-15728.	3.2	4
879	Low Molecular Weight Materials: Electron-Transport Materials. , 2019, , 1-10.		1
880	Highly efficient deep-red organic light-emitting diodes using exciplex-forming co-hosts and thermally activated delayed fluorescence sensitizers with extended lifetime. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9531-9536.	2.7	11
881	Augmented properties for PPY-PANI-ZnO nanocomposite as electron transport layer material for organic light emitting diode (OLED) application. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	2

#	ARTICLE	IF	CITATIONS
882	Variations in the Solid-State Emissions of Clothepin-Shaped Binuclear <i>trans</i> -Bis(salicylaldiminato)platinum(II) with Halogen Functionalities. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3561-3571.	1.0	11
883	Highly efficient phosphorescence from cyclometallated iridium(III) compounds: Improved syntheses of picolinate complexes and quantum chemical studies of their electronic structures. <i>Inorganica Chimica Acta</i> , 2019, 496, 119040.	1.2	2
884	Concentration dependence of the efficiency and lifetime of blue organic light-emitting diodes with a dispersed fluorescent emitter. <i>Optical Materials</i> , 2019, 95, 109232.	1.7	3
885	Visible-Light-Induced [4+2] Annulation of Thiophenes and Alkynes to Construct Benzene Rings. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12206-12210.	7.2	28
886	Visible-Light-Induced [4+2] Annulation of Thiophenes and Alkynes to Construct Benzene Rings. <i>Angewandte Chemie</i> , 2019, 131, 12334-12338.	1.6	2
887	Phosphorescent Molecules That Resist Concentration Quenching in the Solution State: Concentration-Driven Emission Enhancement of Vaulted <i>trans</i> -Bis[2-(iminomethyl)imidazolato]platinum(II) Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 9076-9084.	1.9	9
888	Wide bandgap poly( <i>meta</i> -styrene) derivatives containing pendant carbazolyl groups as hosts for efficient solution-processed organic light emitting diodes. <i>Polymer Chemistry</i> , 2019, 10, 4449-4458.	1.9	3
889	High-Performance White Organic Light-Emitting Diodes with High Efficiency, Low Efficiency Roll-off, and Superior Color Stability/Color Rendering Index by Strategic Design of Exciplex Hosts. <i>Advanced Optical Materials</i> , 2019, 7, 1901291.	3.6	22
890	Rational molecular design for realizing high performance sky-blue-emitting gold( <i>sc</i> ) complexes with monoaryl auxiliary ligands and their applications for both solution-processable and vacuum-deposited organic light-emitting devices. <i>Chemical Science</i> , 2019, 10, 594-605.	3.7	26
891	Polymorphous Luminescent Materials Based on $\eta^2$ -Shaped Molecules Bearing 4,7-Diphenylbenzo [c][1,2,5]thiadiazole Skeletons: Effect of Substituents on the Photophysical Properties. <i>Chemistry - A European Journal</i> , 2019, 25, 15401-15410.	1.7	4
892	Management of Exciton for Highly-Efficient Hybrid White Organic Light-Emitting Diodes with a Non-Doped Blue Emissive Layer. <i>Molecules</i> , 2019, 24, 4046.	1.7	1
893	Blue Phosphorescence with High Quantum Efficiency Engaging the Trifluoromethylsulfonyl Group to Iridium Phenylpyridine Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 16112-16125.	1.9	12
894	High Performance Green Fluorescent Organic Electroluminescent Devices with Double Light-Emitting Layers. , 2019, , .		0
895	High-triplet-energy Bipolar Host Materials Based on Phosphine Oxide Derivatives for Efficient Sky-blue Thermally Activated Delayed Fluorescence Organic Light-emitting Diodes with Reduced Roll-off. <i>Chemistry Letters</i> , 2019, 48, 1225-1228.	0.7	4
896	Aggregation-Induced Fluorescence of Carbazole and o-Carborane Based Organic Fluorophore. <i>Frontiers in Chemistry</i> , 2019, 7, 768.	1.8	13
897	Towards deep-blue phosphorescence: molecular design and property prediction of iridium complexes with pyridinylphosphinate ancillary ligand. <i>Applied Organometallic Chemistry</i> , 2019, 33, e5167.	1.7	5
898	Tuning State Energies for Narrow Blue Emission in Tetradentate Pyridyl-Carbazole Platinum Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 12348-12357.	1.9	22
899	Metal-Assisted Delayed Fluorescent Pd(II) Complexes and Phosphorescent Pt(II) Complex Based on [1,2,4]Triazolo[4,3- <i>a</i> ]pyridine-Containing Ligands: Synthesis, Characterization, Electrochemistry, Photophysical Studies, and Application. <i>Inorganic Chemistry</i> , 2019, 58, 14349-14360.	1.9	35

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900	Novel hole blocking materials based on 2,6-disubstituted dibenzo[ <i>b</i> , <i>d</i> ]furan and dibenzo[ <i>b</i> , <i>d</i> ]thiophene segments for high-performance blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 826-834.	2.7	13
901	Base-promoted direct synthesis of functionalized <i>N</i> -arylindoles via the cascade reactions of allenic ketones with indoles. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 789-793.	1.5	10
902	PtAu <sub>3</sub> cluster complexes with narrow-band emissions for solution-processed organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2604-2614.	2.7	36
903	Tetradentate platinum(II) complexes: Synthesis, photophysical properties, liquid crystalline characteristics and charge transport behaviour. <i>Dyes and Pigments</i> , 2019, 164, 398-406.	2.0	9
904	Bis( <i>N</i> , <i>N</i> -substituted oxamate) Zincate(II) complexes: Synthesis, spectroscopy, solid state structure and DFT calculations. <i>Inorganica Chimica Acta</i> , 2019, 487, 409-418.	1.2	6
905	Fast Synthesis of Iridium(III) Complexes Incorporating a Bis(diphenylphosphorothioyl)amide Ligand for Efficient Pure Green OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 7184-7191.	4.0	45
906	9,9-bicarbazole: New Molecular Skeleton for Organic Light-Emitting Diodes. <i>Chemistry - A European Journal</i> , 2019, 25, 4501-4508.	1.7	36
907	Thiophenylmethane based structural fragments as building blocks towards solution-processable heteroleptic iridium(III) complexes for OLED use. <i>New Journal of Chemistry</i> , 2019, 43, 37-47.	1.4	8
908	Synthesis of cyano-substituted carbazoles via successive C-C/H cleavage. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 958-965.	1.5	15
909	Triplet exciton harvesting by multi-process energy transfer in fluorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 977-985.	2.7	29
910	A universal host material with a simple structure for monochrome and white phosphorescent/TADF OLEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 558-566.	2.7	39
911	Diazaspirocycles: novel platforms for efficient phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1370-1378.	2.7	13
912	Nondoped blue fluorescent organic light-emitting diodes based on benzonitrile-anthracene derivative with 10.06% external quantum efficiency and low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1014-1021.	2.7	74
913	Tuning Intramolecular Conformation and Packing Mode of Host Materials through Noncovalent Interactions for High-Efficiency Blue Electrophosphorescence. <i>ACS Omega</i> , 2019, 4, 9129-9134.	1.6	9
914	Synthesis, crystal structure, photoluminescence, and electroluminescence properties of a new compound containing diphenylmethylen, carbazole, and malononitrile units. <i>Journal of Materials Research</i> , 2019, 34, 3000-3010.	1.2	1
915	Conformational distortion in solution processable PVK:TcTa blends and the effect on extra warm white organic phosphorescent light emitting diodes. <i>Organic Electronics</i> , 2019, 74, 1-6.	1.4	3
916	High performance gold(III)-based white organic light-emitting devices with extremely small efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8457-8464.	2.7	6
917	Strategy for tuning the up-conversion intersystem crossing rates in a series of organic light-emitting diodes emitters relevant for thermally activated delayed fluorescence. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 221, 117214.	2.0	4

#	ARTICLE	IF	CITATIONS
918	Highly efficient yellow nondoped thermally activated delayed fluorescence OLEDs by utilizing energy transfer between dual conformations based on phenothiazine derivatives. <i>Dyes and Pigments</i> , 2019, 170, 107636.	2.0	35
919	Electrical and optical properties of organic light-emitting diodes with rhenium(I) complexes using DC and AC methods. <i>Optical Materials</i> , 2019, 94, 206-212.	1.7	9
920	Highly efficient thermally activated delayed fluorescence yellow organic light-emitting diodes with a low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8063-8069.	2.7	21
921	Green phosphorescent organic electroluminescent devices with 27.9% external quantum efficiency by employing a terbium complex as a co-dopant. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7953-7958.	2.7	22
922	Efficient Blue Phosphorescent OLEDs with Improved Stability and Color Purity through Judicious Triplet Exciton Management. <i>Advanced Functional Materials</i> , 2019, 29, 1903068.	7.8	78
923	Phthalimide-Based Transparent Electron-Transport Materials with Oriented Amorphous Structures: Preparation from Solution-Processed Precursor Films. <i>ChemPlusChem</i> , 2019, 84, 1396-1404.	1.3	10
924	The improved performance of phosphorescent p-i-n organic light emitting diodes via enhancing hole injection and reducing triplet-polaron annihilation. <i>Materials Research Express</i> , 2019, 6, 086214.	0.8	1
925	Dibenzothiophene, dibenzofuran and pyridine substituted tetraphenyl silicon derivatives hosts for green phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2019, 71, 258-265.	1.4	3
926	Engineering Color-Stable Blue Light-Emitting Diodes with Lead Halide Perovskite Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 21655-21660.	4.0	98
927	All-Solution-Processed Red and Orange-Red Organic Light-Emitting Diodes with High Efficiencies: The Effect of Mixed-Host Emissive Layers and Thermal Annealing Treatment. <i>ChemPlusChem</i> , 2019, 84, 1375-1383.	1.3	10
928	Rational Design Strategy for the Realization of Red- to Near-Infrared-Emitting Alkynylgold(III) Complexes and Their Applications in Solution-Processable Organic Light-Emitting Devices. <i>Chemistry of Materials</i> , 2019, 31, 6706-6714.	3.2	20
929	Carbon quantum dots: an emerging material for optoelectronic applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6820-6835.	2.7	225
930	Quantum-chemical studies of homoleptic iridium(III) complexes in OLEDs: fac versus mer isomers. <i>Journal of Molecular Modeling</i> , 2019, 25, 154.	0.8	7
931	Multifunctional Organic Emitters for High-Performance and Low-Cost Organic Light-Emitting Diodes. <i>Chemical Record</i> , 2019, 19, 1768-1778.	2.9	10
932	Meta-substituted bipolar imidazole based emitter for efficient non-doped deep blue organic light emitting devices with a high electroluminescence. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 379, 72-78.	2.0	6
933	Investigation on two triphenylene based electron transport materials. <i>Science China Chemistry</i> , 2019, 62, 775-783.	4.2	5
934	Modulating the blue shift of phosphorescence with fluorine-free group in iridium (â€¦) complexes. <i>Journal of Luminescence</i> , 2019, 210, 479-484.	1.5	3
935	Construction of High-Quality Cu(I) Complex-Based WOLEDs with Dual Emissive Layers Achieved by an On-Off-Deposition Strategy. <i>Advanced Optical Materials</i> , 2019, 7, 1801612.	3.6	8

#	ARTICLE	IF	CITATIONS
936	Photophysical properties of structural isomers of homoleptic Ir-complexes derived from xylenyl-substituted N-heterocyclic carbene ligands. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7155-7164.	1.3	14
937	Configurationally Stable Platinahelicene Enantiomers for Efficient Circularly Polarized Phosphorescent Organic Light-Emitting Diodes. <i>Chemistry - A European Journal</i> , 2019, 25, 5672-5676.	1.7	98
938	QM/MM nonadiabatic dynamics simulation on ultrafast excited-state relaxation in osmium(II) compounds in solution. <i>Computational and Theoretical Chemistry</i> , 2019, 1155, 90-100.	1.1	14
939	Novel Ir(III) complexes ligated with 2-(2,6-difluoropyridin-3-yl)benzo[d]thiazole for highly efficient OLEDs with mild efficiency roll-off. <i>Dyes and Pigments</i> , 2019, 166, 254-259.	2.0	7
940	New directly electrosynthesized metal-free copolymeric NIR emitters based on EDOT-[2-thiophene-carboxamide]-fluorene like donor-acceptor systems. <i>Synthetic Metals</i> , 2019, 250, 161-171.	2.1	1
941	A Universal Strategy for Activating the Multicolor Room-Temperature Afterglow of Carbon Dots in a Boric Acid Matrix. <i>Angewandte Chemie</i> , 2019, 131, 7356-7361.	1.6	62
942	A Universal Strategy for Activating the Multicolor Room-Temperature Afterglow of Carbon Dots in a Boric Acid Matrix. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7278-7283.	7.2	266
943	An accurate measurement of the dipole orientation in various organic semiconductor films using photoluminescence exciton decay analysis. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7083-7089.	1.3	14
944	A multifunctional bipolar host material based on phenanthroimidazole for efficient green and red PhOLEDs with low turn-on voltage. <i>Organic Electronics</i> , 2019, 69, 85-91.	1.4	20
945	Isophthalate-Based Room Temperature Phosphorescence: From Small Molecule to Side-Chain Jacketed Liquid Crystalline Polymer. <i>Macromolecules</i> , 2019, 52, 2495-2503.	2.2	33
946	Fluorene vs carbazole substituent at quinoline core toward organic electronics. <i>Dyes and Pigments</i> , 2019, 166, 98-106.	2.0	24
947	An Organic Emitter Displaying Dual Emissions and Efficient Delayed Fluorescence White OLEDs. <i>Advanced Optical Materials</i> , 2019, 7, 1801667.	3.6	28
948	Alkyloxy modified pyrene fluorophores with tunable photophysical and crystalline properties. <i>New Journal of Chemistry</i> , 2019, 43, 6361-6371.	1.4	10
949	Novel phenanthro[9,10-d]imidazole derivatives - effect of thienyl and 3,4-(ethylenedioxy)thienyl substituents. <i>Synthetic Metals</i> , 2019, 251, 40-48.	2.1	5
950	Cl-Linked Spirobifluorene Dimers: Pure Hydrocarbon Hosts for High-Performance Blue Phosphorescent OLEDs. <i>Angewandte Chemie</i> , 2019, 131, 3888-3893.	1.6	22
951	Application of phosphorescent material in activation of N:Cu:TiO <sub>2</sub> photocatalyst as antibacterial and dye removal agent from solid surfaces used in hospitals. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102956.	3.3	3
952	Design of Luminescent, Heteroleptic, Cyclometalated Pt <sup>II</sup> and Pt <sup>IV</sup> Complexes: Photophysics and Effects of the Cyclometalated Ligands. <i>Chemistry - A European Journal</i> , 2019, 25, 5514-5526.	1.7	23
953	Ambient-temperature near-IR phosphorescence and potential applications of rhenium-oxo corroles. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 1166-1170.	1.6	26

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954	C1â€Linked Spirobifluorene Dimers: Pure Hydrocarbon Hosts for Highâ€Performance Blue Phosphorescent OLEDs. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3848-3853.	7.2	95
955	Towards blue emitting monocyclometalated gold(III) complexes â€ synthesis, characterization and photophysical investigations. <i>Dalton Transactions</i> , 2019, 48, 7320-7330.	1.6	16
956	Enhancing Phosphorescence through Rigidifying the Conformation to Achieve High-Efficiency OLEDs by Modified PEDOT. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 45853-45861.	4.0	24
957	A rate equation model for the energy transfer mechanism of a novel multi-color-emissive phosphor, Ca<sub>1.624</sub>Sr<sub>0.376</sub>Si<sub>5</sub>O<sub>3</sub>N<sub>6</sub>:Eu<sup>2+</sup>. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3493-3500.	3.0	9
958	Fine-tuning the photophysical properties of thermally activated delayed fluorescent emitters using torsion angles: high performance sky-blue OLEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13953-13959.	2.7	17
959	Transition Metal Complexes of Pyridyl Ligand as Light Emitting Materials in OLEDs. <i>Asian Journal of Chemistry</i> , 2019, 32, 161-166.	0.1	0
960	Synthesis and characterization of heterocyclic conjugated polymers containing planar benzo[c]cinnoline and tetraazapyrene structures for organic field-effect transistor application. <i>Organic Electronics</i> , 2019, 66, 136-147.	1.4	5
961	Phase-dependent photoluminescence of non-symmetric 2,1,3-benzothiadiazole liquid crystals. <i>Dyes and Pigments</i> , 2019, 163, 300-307.	2.0	8
962	Borane Incorporation in a Non-Fullerene Acceptor To Tune Steric and Electronic Properties and Improve Organic Solar Cell Performance. <i>ACS Applied Energy Materials</i> , 2019, 2, 1229-1240.	2.5	43
963	Recent developments in benzothiazole-based iridium(â€) complexes for application in OLEDs as electrophosphorescent emitters. <i>Organic Electronics</i> , 2019, 66, 126-135.	1.4	55
964	Selfâ€Assembly of a Monochromophoreâ€Based Polymer Enables Unprecedented Ratiometric Tracing of Hypoxia. <i>Advanced Materials</i> , 2019, 31, e1805735.	11.1	57
965	Multicolor Emission from Nonâ€conjugated Polymers Based on a Single Switchable Boron Chromophore. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3082-3086.	7.2	67
966	Multicolor Emission from Nonâ€conjugated Polymers Based on a Single Switchable Boron Chromophore. <i>Angewandte Chemie</i> , 2019, 131, 3114-3118.	1.6	43
967	Highly Efficient Blue OLEDs Based on Metalâ€Assisted Delayed Fluorescence Pd(II) Complexes. <i>Advanced Optical Materials</i> , 2019, 7, 1801518.	3.6	43
968	Free Exciton Absorptions and Quasi-reversible Redox Actions in Polypyrroleâ€Polyanilineâ€Zinc Oxide Nanocomposites as Electron Transporting Layer for Organic Light Emitting Diode and Electrode Material for Supercapacitors. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 730-744.	1.9	22
969	Thermally Activated Delayed Fluorescence Materials: Towards Realization of High Efficiency through Strategic Small Molecular Design. <i>Chemistry - A European Journal</i> , 2019, 25, 5623-5642.	1.7	168
970	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
971	Highâ€Performance Organic Electroluminescence: Design from Organic Lightâ€Emitting Materials to Devices. <i>Chemical Record</i> , 2019, 19, 1531-1561.	2.9	79

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972	A novel bipolar carbazole/ phenanthroimidazole derivative for high efficiency nondoped deep-blue organic light-emitting diodes. <i>Organic Electronics</i> , 2019, 64, 259-265.	1.4	29
973	Al <sup>3+</sup> enhanced room temperature phosphorescence of Pd-porphyrin resided in hybrid supramolecular gels and used for detection of trace Hg <sup>2+</sup> ions. <i>Talanta</i> , 2019, 194, 183-188.	2.9	7
974	High Performance Thermally Activated Delayed Fluorescence Sensitized Organic Light-Emitting Diodes. <i>Chemical Record</i> , 2019, 19, 1611-1623.	2.9	49
975	Unveiling the Role of Langevin and Trap-Assisted Recombination in Long Lifespan OLEDs Employing Thermally Activated Delayed Fluorophores. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 1096-1108.	4.0	47
976	Spiro[fluorene-9,9'-thioxanthene] core based host materials for thermally activated delayed fluorescence devices. <i>Dyes and Pigments</i> , 2019, 163, 249-256.	2.0	10
977	Columnar Iridium(III) Metallomesogens Based on Polycatenar Pyridyltetrazolate with Ambipolar Carrier Mobility Behavior. <i>Inorganic Chemistry</i> , 2019, 58, 861-869.	1.9	9
978	Highly Efficient Organic Blue Electroluminescent Materials and Devices with Mesoscopic Structures. <i>Chemical Record</i> , 2019, 19, 1562-1570.	2.9	7
979	Inverted organic light-emitting devices using a charge-generation unit as an electron injector. <i>Organic Electronics</i> , 2020, 76, 105445.	1.4	7
980	Phthalonitrile-based bipolar host for efficient green to red phosphorescent and TADF OLEDs. <i>Dyes and Pigments</i> , 2020, 173, 107895.	2.0	12
981	A new series of three-coordinate cuprous complexes formed by steric hindrance of a phosphine ligand: Synthesis, structure characterization, properties and TD-DFT calculations. <i>Polyhedron</i> , 2020, 175, 114178.	1.0	16
982	Evoking non-bonding S-π interaction by aryl phosphine sulfide for selectively enhanced electronic property of organic semiconductors. <i>Chemical Engineering Journal</i> , 2020, 380, 122562.	6.6	14
983	Luminescent Copper(I) complexes as promising materials for the next generation of energy-saving OLED devices. <i>Energy Reports</i> , 2020, 6, 37-45.	2.5	66
984	Intrinsically stretchable conjugated polymer semiconductors in field effect transistors. <i>Progress in Polymer Science</i> , 2020, 100, 101181.	11.8	146
985	Surface-grafting polymers: from chemistry to organic electronics. <i>Materials Chemistry Frontiers</i> , 2020, 4, 692-714.	3.2	84
986	Novel far UV-Vis absorbing bis(dihydrophenanthro[9,10-e][1,2,4]triazine) derivative dyes: Synthesis, optical, photophysical and solvatochromic properties. <i>Journal of Molecular Structure</i> , 2020, 1206, 127690.	1.8	12
987	Tetradentate Platinum(II) Complexes for Highly Efficient Phosphorescent Emitters and Sky Blue OLEDs. <i>Chemistry of Materials</i> , 2020, 32, 537-548.	3.2	61
988	Highly Photoluminescent Blue Ionic Platinum-Based Emitters. <i>Inorganic Chemistry</i> , 2020, 59, 1145-1152.	1.9	27
989	Self-Healing Amorphous Polymers with Room-Temperature Phosphorescence Enabled by Boron-Based Dative Bonds. <i>ACS Applied Polymer Materials</i> , 2020, 2, 699-705.	2.0	27

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990	Dielectric Properties and AC Conductivity of Organic Films of Copper(II) 2,9,16,23-Tetra-tert-butyl-29H,31H-phthalocyanine. <i>Journal of Electronic Materials</i> , 2020, 49, 1787-1793.	1.0	12
991	Recent Progress in White Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2020, 30, 1906898.	7.8	49
992	Solution-processed hybrid hosts: a way to explore high triplet energy with admirable current and power efficiency without outcoupling techniques for phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 228-239.	2.7	11
993	Key host parameters for long lifetimes in phosphorescent organic light-emitting diodes: bond dissociation energy in triplet excited state. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1697-1703.	2.7	9
994	Proximity effects on the phosphorescent properties of dinuclear salicylaldiminato cyclometalated iridium(III) complexes linked with polymethylene spacers. <i>Transition Metal Chemistry</i> , 2020, 45, 173-186.	0.7	0
995	Highly efficient green phosphorescent organic light-emitting diodes based on tetraphenyl silicon derivative host materials. <i>Organic Electronics</i> , 2020, 78, 105581.	1.4	4
996	Iridium(III) Complexes Bearing a Formal Tetradentate Coordination Chelate: Structural Properties and Phosphorescence Fine-Tuned by Ancillaries. <i>Inorganic Chemistry</i> , 2020, 59, 523-532.	1.9	24
997	Zig-Zag Type Molecular Design Strategy of N-Type Hosts for Sky-Blue Thermally-Activated Delayed Fluorescence Organic Light-Emitting Diodes. <i>Chemistry - A European Journal</i> , 2020, 26, 2429-2435.	1.7	7
998	Study on spectral stability of white organic light-emitting diodes with mixed bipolar spacer based on ultrathin non-doped phosphorescent emitting layers. <i>Organic Electronics</i> , 2020, 78, 105563.	1.4	13
999	Efficient multi-light-emitting layers warm and pure white phosphorescent organic light-emitting diodes with excellent color stability. <i>Journal of Luminescence</i> , 2020, 228, 117596.	1.5	12
1000	Multicolor conjugated polymers containing thiophene/indole moieties and the influence of structures on their photophysical properties. <i>Polymer</i> , 2020, 206, 122820.	1.8	4
1001	Efficient deep-blue fluorescent emitters from imidazole functionalized anthracenes for simple structure deep-blue electroluminescent devices. <i>Organic Electronics</i> , 2020, 85, 105897.	1.4	16
1002	Study on Debenzylation of Pentabenzylpentaza[3,3,3]Propellane. <i>Key Engineering Materials</i> , 2020, 842, 205-213.	0.4	0
1003	Utilization of Multi-Heterodonors in Thermally Activated Delayed Fluorescence Molecules and Their High Performance Bluish-Green Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 9498-9506.	4.0	18
1004	Synthesis and optoelectronic properties of spirofluorenexanthene-based carbazole host materials. <i>New Journal of Chemistry</i> , 2020, 44, 13439-13445.	1.4	4
1005	A theoretical study of carbazole dimers: Does carbazole form an excimer that undermines the performance of organic light emitting diodes?. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26363.	1.0	1
1006	Transition Metal Complexes as Photofunctional Materials—From Photosensitization and Photochromism to Artificial Photosynthesis and Energy Applications. , 2021, , 2-37.		3
1007	Advancing the a Posteriori Quest for Deep-Blue Phosphorescence: Quantifying Excitation-Induced Metal-to-Ligand Charge Transfer as a Guiding Indicator. <i>Organometallics</i> , 2020, 39, 3951-3960.	1.1	3



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1008	Excitation-Wavelength-Dependent Light-Induced Electron Transfer and Twisted Intramolecular Charge Transfer in <i>N,N</i> -Bis(4- <i>tert</i> -butylbiphenyl-4-yl)aniline Functionalized Borondipyromethenes. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9738-9750.	1.1	8
1009	Investigation of photophysical, electrochemical and electroluminescent properties of Iridium(III)bis[2-phenylbenzo[d]thiazolato- <i>N</i> , <i>C2</i> ]-quinolin-8-olate for white organic light-emitting diodes application. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 15707-15717.	1.1	3
1010	Direct access to multi-functionalized benzenes <i>via</i> [4 + 2] annulation of $\beta$ -cyano- $\alpha$ -methyleneones and $\alpha,\beta$ -unsaturated aldehydes. <i>RSC Advances</i> , 2020, 10, 29171-29174.	1.7	5
1011	Bistriazoles with a Biphenyl Core Derivative as an Electron-Favorable Bipolar Host of Efficient Blue Phosphorescent Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 49895-49904.	4.0	13
1012	Methoxy-substituted bis-tridentate iridium(III) phosphors and fabrication of blue organic light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13590-13602.	2.7	14
1013	High-Performance and Stable Warm White OLEDs Based on Orange Iridium(III) Phosphors Modified with Simple Alkyl Groups. <i>Organometallics</i> , 2020, 39, 3384-3393.	1.1	8
1014	Synthesis, structural characterization and biological properties of cyclometalated iridium(III) complexes containing [1,2,5]-thiadiazolo-[3,4- <i>f</i> ]-[1,10]-phenanthroline. <i>New Journal of Chemistry</i> , 2020, 44, 17442-17452.	1.4	2
1015	Highly smooth and conductive silver film with metallo-organic decomposition ink for all-solution-processed flexible organic thin-film transistors. <i>Journal of Materials Science</i> , 2020, 55, 15908-15918.	1.7	15
1016	Synthesis, crystal structure, aggregation-induced emission (AIE) and electroluminescence properties of a novel emitting material based on pyrrolo[3,2- <i>b</i> ]pyrrole. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14208-14218.	2.7	14
1017	Non-halogenated solvent-processed highly efficient green Ir(III) complexes with an external quantum efficiency exceeding 23% for phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12959-12967.	2.7	8
1018	In Situ Generation of Allenes and their Application to One-Pot Assembly of Functionalized Fluoreno[3,2- <i>b</i> ]furans by Calcium-Catalyzed, Regioselective, 3-Component Reactions. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 7243-7251.	1.2	8
1019	Long-Lived Efficient Inverted Organic Light-Emitting Diodes Developed by Controlling Carrier Injection Barrier into Emitting Layer. <i>Advanced Optical Materials</i> , 2020, 8, 2000506.	3.6	6
1020	A new class of iridium(III) complexes based on fluorine substituted 2,3-bipyridine and pyridyltetrazolate derivatives: Synthesis, crystal structures, photoluminescent and electroluminescent properties. <i>Dyes and Pigments</i> , 2020, 180, 108514.	2.0	9
1021	Optimized trade-off between electroluminescent stability and efficiency in solution-processed WOLEDs adopting functional iridium(III) complexes with 9-phenyl-9-phosphafluorene oxide (PhFIPO) moiety. <i>Organic Electronics</i> , 2020, 84, 105797.	1.4	7
1022	Directed Self-Organization Ensured Enhancement of Charge Carrier Mobilities in a Star-Shaped Organic Semiconductor. <i>Chemistry - A European Journal</i> , 2020, 26, 11135-11140.	1.7	3
1023	Weakly Conjugated Phosphine Oxide Hosts for Efficient Blue Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 30591-30599.	4.0	11
1024	A deep blue fluorescent emitter functioning as host material in highly efficient phosphorescent and hybrid white organic light-emitting devices. <i>Organic Electronics</i> , 2020, 85, 105848.	1.4	17
1025	Role of interfaces in controlling charge accumulation and injection in the photodetection performance of photomultiplication-type organic photodetectors. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9024-9031.	2.7	19

#	ARTICLE	IF	CITATIONS
1026	White-Light Emission and Tunable Luminescence Colors of Polyimide Copolymers Based on FRET and Room-Temperature Phosphorescence. <i>ACS Omega</i> , 2020, 5, 14831-14841.	1.6	31
1028	Ultralong and efficient phosphorescence from silica confined carbon nanodots in aqueous solution. <i>Nano Today</i> , 2020, 34, 100900.	6.2	147
1029	Bright red phosphorescent organic electroluminescent devices with slow efficiency roll-off by utilizing iridium(III) complex as hole-type sensitizer. <i>Dyes and Pigments</i> , 2020, 178, 108311.	2.0	4
1030	A negative polaron resistant p-type host for extended lifetime in deep blue phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5131-5136.	2.7	6
1031	Iridium-Catalyzed Direct C-H Amidation Producing Multicolor Fluorescent Molecules Emitting Blue-to-Red Light and White Light. <i>Organic Letters</i> , 2020, 22, 2935-2940.	2.4	12
1032	Efficient red phosphorescent Ir(III) complexes based on rigid ligands with high external quantum efficiency and low efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6168-6175.	2.7	10
1033	Theoretical study on the electronic structure and photophysical properties of a series of iridium(III) complexes bearing non-planar tetradentate chelate and substituted bipyrazolate chelate ligands. <i>Polyhedron</i> , 2020, 185, 114602.	1.0	2
1034	Highly efficient deep-blue fluorescence OLEDs with excellent charge balance based on phenanthro[9,10-d]oxazole-anthracene derivatives. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11168-11176.	2.7	48
1035	Efficient white polymer light-emitting diodes (WPLEDs) based on covalent-grafting of [Zn <sub>2</sub> (MP) <sub>3</sub> (OAc)] into PVK. <i>Chemical Science</i> , 2020, 11, 2640-2646.	3.7	5
1036	Control of π-π stacking in carbazole-benzimidazo[1,2-f]phenanthridines: the design of electron-transporting bipolar hosts for phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3571-3579.	2.7	12
1037	Highly Efficient Phosphorescent Tetradentate Platinum(II) Complexes Containing Fused 6/5/6 Metallocycles. <i>Inorganic Chemistry</i> , 2020, 59, 3718-3729.	1.9	27
1038	Tetrahedral Silicon-Centered Dibenzoylmethanato-boron Difluorides: Synthesis, Crystal Structure, and Photophysical Behavior in Solution and the Solid State. <i>ChemPlusChem</i> , 2020, 85, 1111-1119.	1.3	9
1039	New route to strong, long-lived room-temperature phosphorescence using organic phosphor guest-friendly matrices [Al(DMSO) <sub>6</sub> ]X <sub>3</sub> (X=Cl <sup>-</sup> , Br <sup>-</sup> ). <i>Dyes and Pigments</i> , 2020, 177, 108323.	2.0	5
1040	Aggregation-induced emission and solid fluorescence of fluorescein derivatives. <i>Chemical Communications</i> , 2020, 56, 2511-2513.	2.2	42
1041	Dinuclear metal complexes: multifunctional properties and applications. <i>Chemical Society Reviews</i> , 2020, 49, 765-838.	18.7	148
1042	Effects of intramolecular hydrogen bonds on phosphorescence emission: A theoretical perspective. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5527.	1.7	3
1043	Stereoselective Formation of Facial Tris-Cyclometalated Pt IV Complexes: Dual Phosphorescence from Heteroleptic Derivatives. <i>Chemistry - A European Journal</i> , 2020, 26, 11307-11315.	1.7	12
1044	Symmetrical spirobi[xanthene] based locally asymmetrical phosphine oxide host for low-voltage-driven highly efficient white thermally activated delayed fluorescence diodes. <i>Chemical Engineering Journal</i> , 2020, 392, 124870.	6.6	17

#	ARTICLE	IF	CITATIONS
1045	Taking a snapshot of the triplet excited state of an OLED organometallic luminophore using X-rays. <i>Nature Communications</i> , 2020, 11, 2131.	5.8	24
1046	Highly efficient charge generation and injection in HAT-CN/TAPC heterojunction for high efficiency tandem organic light-emitting diodes. <i>Organic Electronics</i> , 2020, 83, 105745.	1.4	23
1047	High performance blue and white fluorescent organic electroluminescent devices with conventional electron transport material as blue emitter. <i>Dyes and Pigments</i> , 2020, 178, 108354.	2.0	4
1048	Backbone Boron-Functionalized Imidazoles/Imidazolium Salts: Synthesis, Structure, Metalation Studies, and Fluoride Sensing Properties. <i>Inorganic Chemistry</i> , 2020, 59, 5646-5661.	1.9	10
1049	Recent progress in phosphorescent Ir(III) complexes for nondoped organic light-emitting diodes. <i>Coordination Chemistry Reviews</i> , 2020, 413, 213283.	9.5	71
1050	Liquid crystalline copper(II) complexes with bright room temperature phosphorescence. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6552-6557.	2.7	22
1051	Isomerism, aggregation-induced emission and mechanochromism of isocyanide cycloplatinated(II) complexes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7221-7233.	2.7	52
1052	Pyridine-substituted triazine as an acceptor for thermally activated delayed fluorescence emitters showing high efficiency and low roll-off in organic light-emitting diodes. <i>Materials Today Energy</i> , 2021, 20, 100581.	2.5	6
1053	Green Ir(III) complexes with multifunctional ancillary ligands for highly efficient solution-processed phosphorescence organic light-emitting diodes with high current efficiency. <i>Organic Electronics</i> , 2021, 88, 106023.	1.4	5
1054	Persistent room temperature blue phosphorescence from racemic crystals of 1,1-diphenylmethanol derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 407, 113043.	2.0	2
1055	CN decoration of dibenzofuran modified biphenyl for high triplet energy host for blue phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2021, 89, 106037.	1.4	5
1056	Enthalpically and Entropically Favorable Self-Assembly: Synthesis of C <sub>4</sub> h <sub>8</sub> h <sub>2</sub> Symmetric Tetraazatetrathia[8]circulenes by Regioselective Introduction of Pyridine Rings. <i>Chemistry - A European Journal</i> , 2021, 27, 5675-5682.	1.7	3
1057	Recent Advance in Carbon Dots: From Properties to Applications. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1364-1388.	2.6	24
1058	Orange-red thermally activated delay fluorescence emitters based on asymmetric difluoroboron chelated enamionone: Impact of donor position on luminescent properties. <i>Dyes and Pigments</i> , 2021, 184, 108810.	2.0	15
1059	Advantages of naphthalene as a building block for organic solid state laser dyes: smaller energy gaps and enhanced stability. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4112-4118.	2.7	5
1060	Highly efficient and low efficiency roll-off organic light-emitting diodes with double-exciple forming co-hosts. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6062-6067.	2.7	9
1061	Design of pyridinylphosphinate-based blue iridium phosphors for high-efficiency organic light-emitting diodes. <i>Dalton Transactions</i> , 2021, 50, 3887-3893.	1.6	7
1062	Enhancement of the molecular orientation of TPBi in coevaporated films of UGH <sub>2</sub> host molecules. <i>Surface and Interface Analysis</i> , 2021, 53, 460-465.	0.8	9

#	ARTICLE	IF	CITATIONS
1063	Synthesis, Study, and Application of Pd(II) Hydrazone Complexes as the Emissive Components of Single-Layer Light-Emitting Electrochemical Cells. <i>Inorganic Chemistry</i> , 2021, 60, 982-994.	1.9	19
1064	C1-Symmetric [Ir(C <sup>N</sup> 1)(C <sup>N</sup> 2)(N <sup>O</sup> )]-tris-heteroleptic Ir(III)-complexes with a horizontal orientation for efficient near-infrared (NIR) polymer light-emitting diodes (PLEDs). <i>Journal of Materials Chemistry C</i> , 2021, 9, 8337-8344.	2.7	7
1065	Synthesis, characterization, and photoelectric properties of iridium(III) complexes containing an N hetero-dibenzofuran C <sup>N</sup> ligand. <i>RSC Advances</i> , 2021, 11, 11004-11010.	1.7	3
1066	Water soluble organic electrochromic materials. <i>RSC Advances</i> , 2021, 11, 5245-5264.	1.7	28
1067	Synthesis and luminescence properties of two cross-linkable Ir(III) complexes. <i>New Journal of Chemistry</i> , 2021, 45, 19154-19163.	1.4	4
1068	White-Light Emissive Materials Based on Supramolecular Approach. , 2021, , 409-443.		0
1070	N-Heterocyclic Carbene-Based Tetradentate Pd(II) Complexes for Deep-Blue Phosphorescent Materials. <i>Organometallics</i> , 2021, 40, 472-481.	1.1	10
1071	Efficient cathode contacts through Ag-doping in multifunctional strong nucleophilic electron transport layer for high performance inverted OLEDs. <i>Organic Electronics</i> , 2021, 89, 106031.	1.4	8
1072	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
1073	Improving the Robustness of Organic Semiconductors through Hydrogen Bonding. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 8620-8630.	4.0	13
1074	Designing Host Materials for the Emissive Layer of Single-Layer Phosphorescent Organic Light-Emitting Diodes: Toward Simplified Organic Devices. <i>Advanced Functional Materials</i> , 2021, 31, 2010547.	7.8	51
1075	Dibenzothiophene/Terpyridine Conjugated Asymmetric Electron-Transporters for High-efficiency and Long-life Green Phosphorescent OLEDs. <i>Chemistry Letters</i> , 2021, 50, 534-537.	0.7	1
1076	High-Efficiency Red Electroluminescence Based on a Carbene-Cu(I)-Acridine Complex. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 13478-13486.	4.0	46
1077	Fluorescent Polyimide Films Produced with Diatomite and Mesoporous Silica as Promising High-Tech Material. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021, 31, 3324-3333.	1.9	1
1078	Simple Synthesis of Red Iridium(III) Complexes with Sulfur-Contained Four-Membered Ancillary Ligands for OLEDs. <i>Molecules</i> , 2021, 26, 2599.	1.7	5
1079	Cross-linkable deep-blue small molecular material for solution-processed organic light-emitting diodes. <i>Optical Materials</i> , 2021, 114, 110945.	1.7	2
1080	Unravelling the electron injection/transport mechanism in organic light-emitting diodes. <i>Nature Communications</i> , 2021, 12, 2706.	5.8	30
1081	Rhodium-Catalyzed Dehydrogenative Cycloisomerization of Dienylcyclopropane to Highly Substituted Toluene. <i>Organic Letters</i> , 2021, 23, 4337-4341.	2.4	2

#	ARTICLE	IF	CITATIONS
1082	Recent Advances of Nanospheres Lithography in Organic Electronics. <i>Small</i> , 2021, 17, e2100724.	5.2	17
1083	Carbazole/triphenylamine-cyanobenzimidazole hybrid bipolar host materials for green phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2021, 92, 106090.	1.4	14
1085	A micro-wave strategy for synthesizing room temperature phosphorescent materials. <i>Chinese Chemical Letters</i> , 2022, 33, 243-246.	4.8	14
1086	New Quinoxaline-Based Blue Emitters: Molecular Structures, Aggregation-Induced Enhanced Emission Characteristics and OLED Application. <i>Chinese Journal of Chemistry</i> , 2021, 39, 2154-2162.	2.6	31
1087	Efficient Red Electroluminescence From Phenanthro[9,10- <i>cd</i> ]imidazole-Naphtho[2,3- <i>bc</i> ][1,2,5]thiadiazole Donor-Acceptor Derivatives. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1942-1948.	1.7	4
1088	Structural, spectroscopic and DFT theoretical studies of phosphorescent CuP <sub>2</sub> S-containing cuprous complexes. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021, 77, 331-339.	0.2	2
1089	Tetrabranch Photo-Crosslinker Enables Micrometer-Scale Patterning of Light-Emitting Super Yellow for High-Resolution OLEDs. <i>ACS Photonics</i> , 2021, 8, 2519-2528.	3.2	10
1090	Highly Efficient Inverted Organic Light-Emitting Diodes Adopting a Self-Assembled Modification Layer. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 41818-41825.	4.0	7
1091	Tunable Intramolecular Charge Transfer Effect on Diphenylpyrazine-Based Linear Derivatives and Their Expected Performance in Blue Emitters. <i>Advanced Optical Materials</i> , 2021, 9, 2101085.	3.6	12
1092	Heteroleptic cuprous complexes of a diimine MePBO ligand and their structure influence on phosphorescent color: Syntheses, structure characterizations, properties and TD-DFT calculations. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 1896.	0.6	9
1093	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
1094	The coordinated tuning optical, electrical and thermal properties of spiro-configured phenyl acridophosphine oxide and sulfide for host materials. <i>Organic Electronics</i> , 2021, 95, 106193.	1.4	4
1095	Multifarious impact of Rhodanine acceptor group on the optical properties of some semiconductor probes. <i>Asian Journal of Organic Chemistry</i> , 0, .	1.3	4
1096	Combination of Two Colorless Fluorophores for Full-Color Red-Green-Blue Luminescence. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 38629-38636.	4.0	9
1097	Maximizing TADF via Conformational Optimization. <i>Journal of Physical Chemistry A</i> , 2021, 125, 7644-7654.	1.1	11
1098	Efficient inverted organic light-emitting devices using a charge-generation unit as electron-injection layers. <i>Organic Electronics</i> , 2021, 96, 106202.	1.4	5
1099	Molecular library of OLED host materials—Evaluating the multiscale simulation workflow. <i>Chemical Physics Reviews</i> , 2021, 2, .	2.6	24
1100	Photo-induced energy and electron transfer in carboxylic acid functionalized bis(4- <i>tert</i> -butylbiphenyl-4-yl)aniline (BBA)-substituted A3B zinc porphyrins. <i>Journal of Chemical Sciences</i> , 2021, 133, 1.	0.7	2

#	ARTICLE	IF	CITATIONS
1101	Carbazole-pyridine pyrroloquinoxaline/benzothiadiazine 1,1-dioxide based bipolar hosts for efficient red PhOLEDs. <i>Organic Electronics</i> , 2021, 96, 106217.	1.4	7
1102	Recent Advances in Synthesis of Molecular Heteroleptic Osmium and Iridium Phosphorescent Emitters. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 4731-4761.	1.0	23
1103	A facile strategy to realize metal-free room-temperature phosphorescence by construct nitrogen doped carbon dots-based nanocomposite. <i>Microchemical Journal</i> , 2022, 172, 106878.	2.3	12
1104	Co-assembled photoactive organic molecules into layered double hydroxide as fluorescent fillers for silicone films. <i>Materials Today Communications</i> , 2021, 28, 102479.	0.9	4
1105	Effect of different N,N-diphenyl-naphthalen-2-amine units on the photo- and electro-luminescent properties of phenanthroimidazole derivatives. <i>Dyes and Pigments</i> , 2021, 194, 109591.	2.0	3
1106	Low efficiency roll-off thermally activated delayed fluorescence emitters for non-doped OLEDs: Substitution effect of thioether and sulfone groups. <i>Dyes and Pigments</i> , 2021, 194, 109649.	2.0	8
1107	Electronic and assembly properties of a water-soluble blue naphthalene diimide. <i>New Journal of Chemistry</i> , 2021, 45, 14005-14013.	1.4	2
1108	Luminescent cyclometalated platinum( $\text{Pt}(\text{II})$ ) complexes with acyclic diaminocarbene ligands: structural, photophysical and biological properties. <i>Dalton Transactions</i> , 2021, 50, 4539-4554.	1.6	25
1109	A theoretical study on the photophysical properties of three iridium(III) complexes bearing tridentate chromophoric chelate by using the density functional theory and time-dependent density functional theory. <i>Molecular Crystals and Liquid Crystals</i> , 2021, 714, 59-66.	0.4	2
1110	Molecular design of efficient yellow- to red-emissive alkynylgold( $\text{Au}(\text{I})$ ) complexes for the realization of thermally activated delayed fluorescence (TADF) and their applications in solution-processed organic light-emitting devices. <i>Chemical Science</i> , 2021, 12, 9516-9527.	3.7	13
1111	A series of novel host materials based on the 10,11-dihydro-5H-dibenzo[ <i>b,f</i> ]azepine unit for highly efficient green and red organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2969-2976.	2.7	4
1112	Small-size graphene oxide (GO) as a hole injection layer for high-performance green phosphorescent organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12408-12419.	2.7	7
1113	White OLED Materials. , 2017, , 293-320.		2
1114	Unveiling Charge Carrier Transport in $\pi$ -Conjugated Molecular Wire on Micro- and Macroscopic Scales. , 2015, , 605-620.		2
1115	Fabrication of highly efficient organic light-emitting diode based on dysprosium-incorporated tris-(8-hydroxyquinoline)aluminum. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 22179-22189.	1.1	8
1116	High-triplet-energy host materials containing saturated carbon atom for blue and green phosphorescent OLEDs. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 152-157.	2.0	6
1117	Peripheral Ligand Effect on the Photophysical Property of Octahedral Iridium Complex: o-Aryl Substitution on the Phenyl Units of Homoleptic Ir(III)(C $\text{C}$ ) $_3$ Complexes (C $\text{C}$ =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 102 Td (1-Phenyl) 60, 246-262.	1.9	19
1118	Synthesis of Insulated Heteroaromatic Platinum $\text{Pt}(\text{II})$ -Acetylide Complexes with Color-Tunable Phosphorescence in Solution and Solid States. <i>Journal of Organic Chemistry</i> , 2020, 85, 3082-3091.	1.7	8

#	ARTICLE	IF	CITATIONS
1119	Tuning Nonradiative Lifetimes via Molecular Aggregation. <i>Journal of Physical Chemistry A</i> , 2017, 121, 5948-5953.	1.1	7
1120	Unusual dual-emissive heteroleptic iridium complexes incorporating TADF cyclometalating ligands. <i>Dalton Transactions</i> , 2020, 49, 2190-2208.	1.6	19
1121	A terpyridine-modified chrysene derivative as an electron transporter to improve the lifetime in phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3200-3205.	2.7	4
1122	Highly Efficient Red Emissive Heteroleptic Cyclometalated Iridium(III) Complexes Bearing Two Substituted 2-Phenylquinoxaline and One 2-Pyrazinecarboxylic Acid. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 167-173.	1.0	9
1123	Recent Developments of <sup>^</sup> Real Practical <sup>^</sup> ; Organic Luminescent Materials. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2012, 70, 465-472.	0.0	7
1124	On-Off Type Mechanofluorochromism of a Novel Fluorescent Amorphous Molecular Material, N-[4-[Bis(4-methylphenyl)amino]benzylidene]aniline. <i>Rapid Communication in Photoscience</i> , 2014, 3, 38-41.	0.1	10
1125	Efficient green fluorescent organic light-emitting diodes with extended lifetimes by exploiting an iridium complex as a sensitizer. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15295-15300.	2.7	4
1126	High performance non-doped green organic light emitting diodes <i>via</i> delayed fluorescence. <i>Journal of Materials Chemistry C</i> , 2021, 9, 15583-15590.	2.7	5
1127	Room-temperature blue-light-emitting liquid crystalline materials based on phenanthroimidazole-substituted carbazole derivatives. <i>New Journal of Chemistry</i> , 2021, 45, 22193-22201.	1.4	1
1129	An Oxidant- and Catalyst-Free Synthesis of Dibenzo[a,c]carbazoles via UV Light Irradiation of 2,3-Diphenyl-1H-indoles. <i>Synthesis</i> , 2022, 54, 1621-1632.	1.2	1
1130	Alkoxyphenyl Group-Containing Starburst Host Materials for Efficient Blue and Green Organic Light-Emitting Devices. <i>IEICE Transactions on Electronics</i> , 2011, E94-C, 1848-1850.	0.3	0
1131	Color Stability of Blue Phosphorescent Organic Light-Emitting Diodes with Undoped Layer in Emissive Layer. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 09MH02.	0.8	0
1132	[2,6-Difluoro-3-(pyridin-2-yl- <sup>15</sup> N)pyridin-4-yl- <sup>13</sup> C <sub>4</sub> ](pentane-2,4-dionato- <sup>18</sup> O <sub>2</sub> ,O <sup>16</sup> )iridium(III). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, m590-m590.	0.2	0
1134	Microfluidic Organic Light-Emitting Devices Using Liquid Organic Semiconductors. , 2015, , 221-245.		0
1136	Low Molecular Weight Materials: Hole-Transport Materials. , 2019, , 1-6.		0
1137	Heteroleptic Cyclometalated NHC Iridium(III) complex with a bulky acetylacetonate: Photophysics of an unexplored class of compounds. <i>Journal of Organometallic Chemistry</i> , 2020, 919, 121251.	0.8	3
1138	Host-Dopant Interaction between Organic Thermally Activated Delayed Fluorescence Emitter and Host Material: Insight into the Excited State. <i>Advanced Optical Materials</i> , 2022, 10, 2101343.	3.6	16
1139	Energetic Alignment-Related Effect on Carrier Extraction in Organic Photovoltaic Devices with Cathode Conducting Layer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2000584.	0.8	1

#	ARTICLE	IF	CITATIONS
1140	A new heteroleptic phosphorescent cuprous complex supported by a BINAP ligand: synthesis, structure, luminescence properties and theoretical analyses. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020, 76, 177-185.	0.2	4
1141	Toward phosphorescent and delayed fluorescent carbon quantum dots for next-generation electroluminescent displays. <i>Journal of Materials Chemistry C</i> , 2022, 10, 2333-2348.	2.7	23
1142	Synthesis, Spectral Characterization and Luminescent Properties of Ni(II) Complex Bearing 4,4'-dimethyl-2,2'-bipyridyl and Isothiocyanate Ligands for OLED Applications. <i>Asian Journal of Chemistry</i> , 2020, 32, 1909-1919.	0.1	0
1143	Physics and Design Principles of OLED Devices. , 2020, , 1-73.		2
1144	Inkable CF <sub>3</sub> -functionalized benzothiazole/benzimidazole-Ir(III) complexes for efficient bilayer-inkjet-printed OLEDs. <i>Journal of Organometallic Chemistry</i> , 2022, 957, 122157.	0.8	7
1145	High Performance Solution-Processed Deep-Blue Phosphorescence Organic Light-Emitting Diodes with EQE Over 24% by Employing New Carbenic Ir(III) Complexes. <i>Advanced Optical Materials</i> , 2022, 10, 2101686.	3.6	26
1146	Luminescent 2-phenylbenzothiazole cyclometalated Pt <sup>II</sup> and Ir <sup>III</sup> complexes with chelating P <sup>+</sup> O ligands. <i>Dalton Transactions</i> , 2021, 51, 274-285.	1.6	7
1147	Chiral Thermally Activated Delayed Fluorescence Emitters-Based Efficient Circularly Polarized Organic Light-Emitting Diodes Featuring Low Efficiency Roll-Off. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 56413-56419.	4.0	16
1148	White Light Afterglow in Carbon Dots Achieved via Synergy between the Room-Temperature Phosphorescence and the Delayed Fluorescence. <i>Small</i> , 2022, 18, e2105415.	5.2	44
1149	Electrochemical Cobalt-catalyzed Cyclotrimerization of Alkynes to 1,2,4-Substituted Arenes. <i>ACS Catalysis</i> , 2021, 11, 14892-14897.	5.5	9
1150	High-performance fluorescent organic electroluminescent devices benefit from sensitization of thermally activated delayed fluorescence. <i>Journal of Materials Chemistry C</i> , 2021, 9, 17526-17530.	2.7	1
1151	Electroplex hosts for highly efficient phosphorescent organic light-emitting diodes with extremely small efficiency roll-offs. <i>Chemical Engineering Journal</i> , 2022, 432, 134314.	6.6	10
1152	Anthracene and carbazole based asymmetric fluorescent materials for high-efficiency deep-blue non-doped organic light emitting devices with CIE <sub>y</sub> =0.06. <i>Dyes and Pigments</i> , 2022, 199, 110047.	2.0	9
1153	Photoluminescence Properties of Copolyimides Containing Naphthalene Core and Analysis of Excitation Energy Transfer between the Dianhydride Moieties. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2021, 34, 423-430.	0.1	3
1154	Investigation of 4,4'-bis[(N-carbazole) styryl] biphenyl (BSB4) for a pure blue fluorescent OLED with enhanced efficiency nearing the theoretical limit. <i>Semiconductor Science and Technology</i> , 2022, 37, 035006.	1.0	4
1155	Heavy atom oriented orbital angular momentum manipulation in metal-free organic phosphors. <i>Chemical Science</i> , 2022, 13, 789-797.	3.7	18
1156	A systematic review on 1,8-naphthalimide derivatives as emissive materials in organic light-emitting diodes. <i>Journal of Materials Science</i> , 2022, 57, 105-139.	1.7	28
1157	Unusual fluorescence behaviour of a heteroleptic Cu(I) complex featuring strong electron donating groups on a diimine ligand. <i>New Journal of Chemistry</i> , 2022, 46, 1693-1703.	1.4	4



#	ARTICLE	IF	CITATIONS
1158	Excited-state modulation via alteration of the heterocyclic moiety in 9,9-dimethylfluorene-based Ir(III) phosphorescent dopants for blue PhOLEDs. <i>Journal of Materials Chemistry C</i> , 0, , .	2.7	9
1159	Photophysical Properties of Benzophenone-Based TADF Emitters in Relation to Their Molecular Structure. <i>Journal of Physical Chemistry A</i> , 2022, 126, 473-484.	1.1	22
1160	Self-assembly of PBTTT-C14 thin films in supercritical fluids. <i>Materials Advances</i> , 0, , .	2.6	1
1161	Structural characterization and luminescence properties of trigonal Cu(I) iodine/bromine complexes comprising C-H...I interactions. <i>New Journal of Chemistry</i> , 2022, 46, 6185-6192.	1.4	3
1162	Triphenylene containing blue-light emitting semi-fluorinated aryl ether polymers with excellent thermal and photostability. <i>Materials Chemistry Frontiers</i> , 2022, 6, 1391-1404.	3.2	3
1163	1,4-Bis(trifluoromethyl)benzene as a new acceptor for the design and synthesis of emitters exhibiting efficient thermally activated delayed fluorescence and electroluminescence: experimental and computational guidance. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4929-4940.	2.7	9
1164	Luminescent cyclometalated alkynylplatinum(II) complexes with 1,3-di(pyrimidin-2-yl)benzene ligands: synthesis, electrochemistry, photophysics and computational studies. <i>Dalton Transactions</i> , 2022, 51, 5546-5560.	1.6	13
1165	Rational design of blocking groups for high triplet energy n-type host materials. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5962-5969.	2.7	6
1166	Ni-Catalyzed Regioselective Cyclotrimerization of Internal Esteryl Alkynes towards Polysubstituted Benzene Rings. <i>Helvetica Chimica Acta</i> , 2022, 105, .	1.0	0
1167	Achieving blue water-dispersed room-temperature phosphorescence of carbonized polymer dots through nano-compositing with mesoporous silica. <i>Chinese Chemical Letters</i> , 2022, 33, 4213-4218.	4.8	15
1168	The $\hat{T}$ SCF method for non-adiabatic dynamics of systems in the liquid phase. <i>Journal of Chemical Physics</i> , 2022, 156, 130901.	1.2	13
1169	Theoretical Design of Blue-Color Phosphorescent Complexes for Organic Light-Emitting Diodes: Emission Intensities and Nonradiative Transition Rate Constants in Ir(ppy) <sub>2</sub> (acac) Derivatives. <i>Journal of Physical Chemistry A</i> , 2021, 125, 10604-10614.	1.1	0
1170	Lifting Triplet Energy and Bipolar Characteristics by Limiting the Rotation of the Peripheral Groups in Host Materials to Achieve High-Efficiency Blue OLED. <i>Chemistry - an Asian Journal</i> , 2022, 17, e202101298.	1.7	0
1173	Topological Design of Highly Anisotropic Aligned Hole Transporting Molecular Bottlebrushes for Solution-Processed OLEDs. <i>Journal of the American Chemical Society</i> , 2022, 144, 8084-8095.	6.6	10
1174	4-Phenyl-1,2,3-triazoles as Versatile Ligands for Cationic Cyclometalated Iridium(III) Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 8509-8520.	1.9	6
1175	Blue light polymeric emitters for the development of OLED devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 12529-12565.	1.1	9
1176	Spectroscopic and Physicochemical Studies on 1,2,4-Triazine Derivative. <i>Coatings</i> , 2022, 12, 714.	1.2	2
1177	Hole-injection barrier across the intermolecular interaction mediated interfacial DNTT layer. <i>Applied Surface Science</i> , 2022, 597, 153696.	3.1	5

#	ARTICLE	IF	CITATIONS
1178	Energy Regulation in White-Light-Emitting Diodes. <i>ACS Energy Letters</i> , 2022, 7, 2173-2188.	8.8	26
1179	Impact of excitonic and photonic loss mechanisms on the threshold and slope efficiency of organic semiconductor lasers. <i>Japanese Journal of Applied Physics</i> , 2022, 61, 074003.	0.8	4
1180	Novel fused 5,9-dihydrobenzo[a]quinolino[1,2,3-fg]acridine-based emitters for efficient non-doped deep-blue electroluminescence with CIEy $\approx$ 0.08. <i>Dyes and Pigments</i> , 2022, 204, 110456.	2.0	3
1181	Luminescence of doublet molecular systems. <i>Coordination Chemistry Reviews</i> , 2022, 467, 214616.	9.5	21
1183	Spin-Orbit Couplings for Nonadiabatic Molecular Dynamics at the $\hat{T}$ SCF Level. <i>Journal of Chemical Theory and Computation</i> , 0, , .	2.3	4
1184	Intermolecular Hydrogen Bond and $\hat{\pi}$ - $\hat{\pi}$ Stacking Improve Electron Mobility of Phenanthroline-Based Electron-Transporting Materials. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1185	Intermolecular Hydrogen Bond And $\hat{\pi}$ -Stacking Improve Electron Mobility of Phenanthroline-Based Electron-Transporting Materials. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1186	66 $\hat{\text{A}}^4$ : Understanding the Electron Injection/Transport Mechanism in OLEDs by Using a Superbase as Electron Injection Layer. <i>Digest of Technical Papers SID International Symposium</i> , 2022, 53, 889-892.	0.1	0
1187	Acceptor Interlocked Molecular Design for Solution-Processed Stable Deep-Blue TADF and Hyper Fluorescence Organic LED Enabling High-Efficiency. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	14
1188	Computational study of optoelectronic properties of oxadiazole-based compounds for organic light emitting diodes. <i>Molecular Physics</i> , 2022, 120, .	0.8	1
1189	All-Visible ( $>$ 500 nm)-Light-Induced Diarylethene Photochromism Based on Multiplicity Conversion via Intramolecular Energy Transfer. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 7429-7436.	2.1	6
1190	New-Fashioned Universal and Functional Host-Material from a Near-Ultraviolet Organic Emitter for High-Efficiency Organic Light-Emitting Diodes with Low Efficiency Roll-Offs. <i>Small</i> , 2022, 18, .	5.2	7
1191	Intermolecular hydrogen bond and $\hat{\pi}$ - $\hat{\pi}$ stacking improve electron mobility of phenanthroline-based electron-transporting materials. <i>Computational and Theoretical Chemistry</i> , 2022, 1217, 113865.	1.1	2
1192	A first principles examination of phosphorescence. <i>RSC Advances</i> , 2022, 12, 25440-25448.	1.7	0
1193	Carbazolygold( $\text{III}$ ) complexes with thermally activated delayed fluorescence switched on by ligand manipulation as high efficiency organic light-emitting devices with small efficiency roll-offs. <i>Chemical Science</i> , 2022, 13, 10129-10140.	3.7	8
1194	Facile Preparation of Four-Layer MoS <sub>2</sub> Nanosheets and Their Application to Organic Light-Emitting Diode. <i>Nanoscale Research Letters</i> , 2022, 17, .	3.1	3
1195	Metal halide perovskites-based white light-emitting diodes. <i>JPhys Photonics</i> , 2022, 4, 042001.	2.2	4
1196	A Pure Blue Phosphorescent Organic Light-Emitting Diode with an External Quantum Efficiency of Over 30% by Using a Tandem Device Architecture. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	7

#	ARTICLE	IF	CITATIONS
1197	Recent progress of organic scintillators. Japanese Journal of Applied Physics, 2023, 62, 010503.	0.8	12
1198	Narrowband Emissive Thermally Activated Delayed Fluorescence Materials. Advanced Optical Materials, 2022, 10, .	3.6	145
1199	Fine-tuning emission properties of the 9<i>H</i>-phenoselenazine core through substituents engineering for high efficiency purely organic room temperature phosphorescence. Journal of Materials Chemistry C, 0, , .	2.7	0
1200	A new heteroleptic cuprous polymer constructed by a cyanopyridine ligand exhibiting a supramolecular framework structure and luminescence. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 685-692.	0.2	0
1201	Highly Efficient Solution-Processed Deep Blue Organic Light-Emitting Diodes with an External Quantum Efficiency of 17.2% Alleviate the Hole Accumulation with a Modifying Layer Prepared by the Spontaneous Spreading Method. Journal of Physical Chemistry C, 2022, 126, 18972-18979.	1.5	3
1202	<sc>Skyâ€Blue Aggregationâ€Induced</sc> Delayed Fluorescence Luminogens with High Horizontal Dipole Orientation for Efficient Organic <sc>Lightâ€Emitting</sc> Diodes<sup>â€</sup>. Chinese Journal of Chemistry, 2023, 41, 527-534.	2.6	6
1203	Recent development of three-coordinated boron-doped aromatics for optoelectronic applications. Journal of Organometallic Chemistry, 2023, 984, 122564.	0.8	6
1204	External environment sensitive circularly polarized luminescence properties of a chiral boron difluoride complex. RSC Advances, 2022, 12, 34790-34796.	1.7	5
1205	Spirobifluorene-based hole-blocking material with enhanced efficiency through hole and exciton confinement in blue fluorescent OLEDs. Dyes and Pigments, 2023, 210, 110961.	2.0	4
1206	Novel benzonitrile-based AIE host with high triplet energy for highly efficient solution-processed blue TADF OLEDs. Dyes and Pigments, 2023, 210, 111037.	2.0	8
1207	Polymorphism and Mechanochromism in 2-Phenylbenzothiazole Cyclometalated Pt<sup>II</sup> Complexes with Chelating N<sup>â€</sup>O Ligands. Inorganic Chemistry, 2022, 61, 20043-20056.	1.9	7
1208	Donorâ€Acceptor Biarylcarbazoles as Efficient Host Materials for Solution-Processable High-Performance Phosphorescent Organic Light-Emitting Diodes. , 2023, 1, 229-243.		4
1209	Multifunctional 4,5-Diphenyl-1<i>H</i>-imidazole-Based Luminogens as Near UV/Deep Blue Emitters/Hosts for Organic Light-Emitting Diodes and Selective Picric Acid Detection. Journal of Physical Chemistry C, 2023, 127, 499-515.	1.5	4
1210	Ultrapure green organic light-emitting diodes based on highly distorted fused ĩ€-conjugated molecular design. Nature Photonics, 2023, 17, 280-285.	15.6	95
1211	A high-sensitivity long-lifetime phosphorescent RIE additive to probe free volume-related phenomena in polymers. Chemical Communications, 2023, 59, 1465-1468.	2.2	1
1212	D-A-D hexacatenar LCs containing bulky N-trialkoxylbenzyl carbazole caps with RGB emissions for full color palette and white LED applications. Journal of Molecular Liquids, 2023, 373, 121239.	2.3	2
1213	Control of Fluorescence of Organic Dyes in the Solid-State by Supramolecular Interactions. Journal of Fluorescence, 2023, 33, 799-847.	1.3	7
1214	Photoactive Multinuclear Metal-Containing Polymeric Systems. , 2012, , 199-244.		0

#	ARTICLE	IF	CITATIONS
1215	Progress on Blue-Emitting Hot Exciton Materials. Chinese Journal of Organic Chemistry, 2023, 43, 573.	0.6	2
1216	Phosphorescent organic light-emitting devices: Iridium based emitter materials – An overview. Coordination Chemistry Reviews, 2023, 483, 215100.	9.5	13
1217	Solid-state fluorescent 3,3-diaryllallylidene indolinones by pseudo-five-component synthesis. Dyes and Pigments, 2023, 213, 111139.	2.0	1
1218	D-O-A based organic phosphors for both aggregation-induced electrophosphorescence and host-free sensitization. Nature Communications, 2023, 14, .	5.8	6
1219	Improving the TADF in Corannulene-Based Emitters via Tuning the Strength of Donor and Acceptor Groups. Advanced Theory and Simulations, 2023, 6, .	1.3	0
1220	Enhancement of Light Extraction Efficiency and Suppression of Roll-Off Characteristics of Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes by Inserting Nanoscale Pixel-Defining Layer. Advanced Electronic Materials, 2023, 9, .	2.6	3
1221	Synthesis of New 2D- $\pi$ -2A Chromophores Based on Tetraphenyl Fulvene and Investigation of Their Optical Properties. Applied Sciences (Switzerland), 2023, 13, 2976.	1.3	1
1222	Tetrapyridine/triphenyltriazine-conjugated electron transporters for low-power-consumption, high-stability phosphorescent OLEDs. Journal of Materials Chemistry C, 2023, 11, 4129-4135.	2.7	5
1223	Liquid Based Circularly Polarized Phosphorescence of a Chiral Schiff Base Platinum(II) Complex Bearing Polyethylene Glycol Chains. ChemPhotoChem, 2023, 7, .	1.5	7
1224	Novel Pyrimidine-Based Iridium Complexes with Bulky Charge-Carrier Groups as Dopants for Highly Efficient Green Polymer Light-Emitting Diodes. Chemistry - A European Journal, 2023, 29, .	1.7	1
1225	Recent Advances in the Synthesis and Applications of m-Aryloxy Phenols. Molecules, 2023, 28, 2657.	1.7	2
1226	Cage-Like Sodalite-Type Porous Organic Salts Enabling Luminescent Molecule's Incorporation and Room-temperature Phosphorescence Induction in Air. Small, 2023, 19, .	5.2	4
1227	Triazolotriazine-based mixed host for pure-red phosphorescent organic light-emitting diodes exhibiting ultra-low efficiency roll-off. Chemical Engineering Journal, 2023, 466, 142910.	6.6	4
1228	Mechanical Force-Induced Color-Variable Luminescence of Carbon Dots in Boric Acid Matrix. Molecules, 2023, 28, 3388.	1.7	0
1229	Pyridine-, Pyridazine-, Pyrimidine-, and Pyrazine-Derived Carbenes as Ligands for Transition-Metal Complexes: Perspectives from DFT Calculations. Organometallics, 2023, 42, 803-815.	1.1	1
1243	A decade update on the application of $\hat{\text{I}}^2$ -oxodithioesters in heterocyclic synthesis. Organic and Biomolecular Chemistry, 2023, 21, 6806-6829.	1.5	0
1245	Dihydroindenofluorenes as building units in organic semiconductors for organic electronics. Chemical Society Reviews, 2023, 52, 6754-6805.	18.7	1