Electroluminescence of doped organic thin films

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Citation Report

#	Article	IF	Citations
2	Laser Beat Wave Electron Accelerator. IEEE Transactions on Nuclear Science, 1981, 28, 3346-3348.	1.2	27
3	Electroluminescence in a Terbium Complex. Chemistry Letters, 1990, 19, 657-660.	0.7	141
4	Light-emitting diodes based on conjugated polymers. Nature, 1990, 347, 539-541.	13.7	10,985
5	Photocarrier generation, injection, and trapping at the interface in a layered organic photoconductor: Metalâ€free phthalocyanine/molecularly doped polymer. Journal of Applied Physics, 1990, 67, 3728-3736.	1.1	27
6	Spatially addressable light transducer using an organic electroluminescent diode combined with amorphous silicon carbide film as an electron photoinjecting electrode. Applied Physics Letters, 1990, 57, 1625-1627.	1.5	22
7	Confinement of charge carriers and molecular excitons within 5â€nmâ€thick emitter layer in organic electroluminescent devices with a double heterostructure. Applied Physics Letters, 1990, 57, 531-533.	1.5	396
8	Visible-Light Electroluminescent Diodes Utilizing Poly(3-alkylthiophene). Japanese Journal of Applied Physics, 1991, 30, L1938-L1940.	0.8	322
9	Blue Electroluminescent Diodes Utilizing Poly(alkylfluorene). Japanese Journal of Applied Physics, 1991, 30, L1941-L1943.	0.8	615
10	Light emission from poly(p-phenylene vinylene): A comparison between photo- and electro-luminescence. Synthetic Metals, 1991, 43, 3135-3141.	2.1	42
11	New image transducer using organic electroluminescent diode combined with photoresponsive amorphous silicon carbide. , 0, , .		0
12	Organic Electroluminescence of Styryl Type Dyes on Vacuum Deposited Thin Films. Chemistry Letters, 1991, 20, 285-288.	0.7	9
13	Electroluminescence from Polysilane Film Doped with Europium Complex. Chemistry Letters, 1991, 20, 1267-1270.	0.7	171
14	Effects of | alkyl chain length and carrier confinement layer | on characteristics of poly(3-alkylthiophene) electroluminescent diodes. Solid State Communications, 1991, 80, 605-608.	0.9	187
15	Double-heterostructure electroluminescent device with cyanine-dye bimolecular layer as an emitter. Chemical Physics Letters, 1991, 178, 488-490.	1.2	54
16	Characterisation of polymers for semiconductor applications. Polymer International, 1991, 26, 3-16.	1.6	18
17	Electroluminescence in Perylene-Doped Anthracene Films: The Ambient Gas Effect in the Emission Process. Japanese Journal of Applied Physics, 1991, 30, 2791-2796.	0.8	2
18	Effects of Crystallinity of Hole Transport Layers on Organic Electroluminescent Device Performance. Japanese Journal of Applied Physics, 1991, 30, L864-L866.	0.8	13
19	Poly(methylphenylsilane) film as a hole transport layer in electroluminescent devices. Applied Physics Letters, 1991, 59, 2760-2762.	1.5	103

#	Article	IF	Citations
20	Upâ€conversion of red light to green by a new type of light transducer using organic electroluminescent diode combined with photoresponsive amorphous silicon carbide. Applied Physics Letters, 1991, 58, 1146-1148.	1.5	25
21	Molecularly Doped Polymers as a Hole Transport Layer in Organic Electroluminescent Devices. Japanese Journal of Applied Physics, 1992, 31, L960-L962.	0.8	46
22	Effects of Anthracene Doping on Electrical and Light-Emitting Behavior of 8-Hydroxyquinoline-Aluminum-Based Electroluminescent Devices. Japanese Journal of Applied Physics, 1992, 31, L498-L500.	0.8	9
23	Time-Resolved Pulse Response of Electroluminescence in Poly(3-alkylthiophene) Diodes. Japanese Journal of Applied Physics, 1992, 31, L568-L570.	0.8	53
24	Poly(pâ€phenylenevinylene) lightâ€emitting diodes: Enhanced electroluminescent efficiency through charge carrier confinement. Applied Physics Letters, 1992, 61, 2793-2795.	1.5	683
25	Electroluminescence-detected magnetic-resonance study of polyparaphenylenevinylene (PPV)-based light-emitting diodes. Physical Review B, 1992, 46, 15072-15077.	1.1	123
26	Efficient organic electroluminescent device using a single bipolar carrier transport layer. Journal of Applied Physics, 1992, 72, 1957-1960.	1.1	62
27	Transient behavior of organic thin film electroluminescence. Applied Physics Letters, 1992, 60, 1220-1222.	1.5	245
28	Photoâ€modulation of light upâ€conversion in light transducer using highâ€gain photoresponsive amorphous silicon carbide combined with organic electroluminescent diode. Applied Physics Letters, 1992, 60, 324-325.	1.5	15
29	Optoelectronic Device Physics Based on Conjugated Polymers. Molecular Crystals and Liquid Crystals, 1992, 216, 33-38.	0.3	4
30	Blue-Light-Emitting Organic Electroluminescent Devices with Oxadiazole Dimer Dyes as an Emitter. Japanese Journal of Applied Physics, 1992, 31, 1812-1816.	0.8	255
31	Special Articles on Organic and Inorganic Optical Materials. Studies on Emitting Materials of Organic EL Cells.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1992, 1992, 1162-1167.	0.1	5
32	Optical Properties of Lanthanide Metal Ion Polymer Complexes. Materials Research Society Symposia Proceedings, 1992, 277, 65.	0.1	7
33	Lanthanide metal polymer complexes. Synthesis, characterization and application. Makromolekulare Chemie Macromolecular Symposia, 1992, 59, 83-98.	0.6	13
34	Denatured tris(quinolin-8-olato)aluminium: a new material for organic electroluminescent cells. Journal of Materials Chemistry, 1992, 2, 767.	6.7	17
35	Conjugated polymer semiconductor devices: characterisation of charged and neutral excitations. Synthetic Metals, 1992, 51, 357-371.	2.1	27
36	Organic electroluminescent devices based on molecularly doped polymers. Applied Physics Letters, 1992, 61, 761-763.	1.5	201
37	Plasma-polymerized carbon disulfide films as a hole transport layer in organic electroluminescent devices. Polymers for Advanced Technologies, 1992, 3, 429-431.	1.6	7

#	Article	IF	Citations
38	Electroluminescence from light-emitting diodes fabricated from conducting polymers. Thin Solid Films, 1992, 216, 96-98.	0.8	53
39	Elctroluminescence: A bright future for conjugated polymers?. Advanced Materials, 1992, 4, 756-758.	11.1	112
40	Electroluminescent devices based on poly(methylphenylsilane). Advanced Materials, 1993, 5, 743-746.	11.1	71
41	Influence of naphthacene doping on the electrical and light-emitting behavior of 8-hydroxyquinoline aluminum based electroluminescent devices. Applied Surface Science, 1993, 65-66, 376-380.	3.1	3
42	Bright organic electroluminescent devices with double-layer cathode. IEEE Transactions on Electron Devices, 1993, 40, 1342-1344.	1.6	79
43	Organic Electroluminescent Devices with 8-Hydroxyquinoline Derivative-Metal Complexes as an Emitter. Japanese Journal of Applied Physics, 1993, 32, L514-L515.	0.8	223
44	Conjugated polymer electroluminescence. Synthetic Metals, 1993, 54, 401-415.	2.1	301
45	Visible and blue electroluminescent diodes utilizing poly(3-alkylthiophene)s and poly(alkylfluorene)s. Synthetic Metals, 1993, 57, 4168-4173.	2.1	58
47	Organic photoâ€•and electroluminescent devices with double mirrors. Applied Physics Letters, 1993, 63, 594-595.	1.5	126
48	Electrical and Optical Characterization of Light Emitting Poly-Phenylene-Vinylene Diodes. Molecular Crystals and Liquid Crystals, 1993, 236, 79-86.	0.3	12
49	Schottky Gated Field Effect Transistors and Visible Electroluminescent Diodes Utilizing Poly(3-alkylthiophene)s. Molecular Crystals and Liquid Crystals, 1993, 227, 285-294.	0.3	9
50	1,2,4-Triazole Derivative as an Electron Transport Layer in Organic Electroluminescent Devices. Japanese Journal of Applied Physics, 1993, 32, L917-L920.	0.8	190
51	Transient electroluminescence from polymer light emitting diodes. Synthetic Metals, 1993, 57, 4145-4150.	2.1	22
52	Hole-transporting compounds for multi-layer polymer light-emitting diodes. Synthetic Metals, 1993, 57, 4163-4167.	2.1	36
53	Photoluminescence and electroluminescence in conjugated polymeric systems. Synthetic Metals, 1993, 57, 4031-4040.	2.1	111
54	Dynamic characteristics of electroluminescent diodes utilizing conducting polymers. Synthetic Metals, 1993, 57, 4180-4185.	2.1	2
55	Characterization of light emitting diodes and solar cells based on poly-phenylene-vinylene. Synthetic Metals, 1993, 57, 4186-4191.	2.1	39
56	Fabrication and characteristics of 8â€hydroxyquinoline aluminum/aromatic diamine organic multiple quantum well and its use for electroluminescent diode. Applied Physics Letters, 1993, 62, 3250-3252.	1.5	114

#	Article	IF	Citations
57	Organic electroluminescent devices using lanthanide complexes. Journal of Alloys and Compounds, 1993, 192, 30-33.	2.8	134
58	Fabrication of evaporated dye films and their application. Journal of Materials Chemistry, 1993, 3, 1187-1197.	6.7	25
59	Bright blue electroluminescence from poly(Nâ€vinylcarbazole). Applied Physics Letters, 1993, 63, 2627-2629.	1.5	304
60	Molecularly Doped Polymers for Organic Electroluminescent Devices. Molecular Crystals and Liquid Crystals, 1993, 227, 277-283.	0.3	27
61	Fabrication and optical characteristics of an organic multi-layer structure utilizing 8-hydroxyquinoline aluminium/aromatic diamine and its application for an electroluminescent diode. Journal of Physics Condensed Matter, 1993, 5, 7979-7986.	0.7	11
62	Enhancement of Emission Efficiency in Electroluminescent Diode Utilizing Vapor-Deposited Poly(alkylfluorene). Japanese Journal of Applied Physics, 1993, 32, L1663-L1666.	0.8	46
63	Blueâ€light electroluminescence frompâ€phenylene vinyleneâ€based copolymers. Journal of Applied Physics, 1993, 74, 3584-3586.	1.1	152
64	Observation of spectral narrowing and emission energy shift in organic electroluminescent diode utilizing 8â€hydroxyquinoline aluminum/aromatic diamine multilayer structure. Applied Physics Letters, 1993, 63, 1871-1873.	1.5	86
65	Color-Variable Light-Emitting Diode Utilizing Conducting Polymer Containing Fluorescent Dye. Japanese Journal of Applied Physics, 1993, 32, L921-L924.	0.8	96
66	Estimate of hole mobilities of some organic photoconducting materials using the time-of-flight method. Journal Physics D: Applied Physics, 1993, 26, 452-455.	1.3	22
67	Novel structure of organic electroluminescence cells with conjugated oligomers. Applied Physics Letters, 1993, 62, 3238-3240.	1.5	101
68	Transient electroluminescence from hole transporting emitting layer in nanosecond region. Applied Physics Letters, 1993, 63, 1322-1324.	1.5	55
69	Directed beam emission from film edge in organic electroluminescent diode. Applied Physics Letters, 1993, 62, 666-668.	1.5	18
70	Blue Electroluminescence in Thin Films of Azomethin-Zinc Complexes. Japanese Journal of Applied Physics, 1993, 32, L511-L513.	0.8	123
71	Advances in Functional Dye Materials for Information Recording and Display. Journal of the Japan Society of Colour Material, 1993, 66, 487-493.	0.0	0
72	Molecular design for emissive polyimide derived from modified oligo phenylene sulfide having carrier transport ability.. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 1993, 6, 295-304.	0.1	1
73	<title>Directed beam emission from film edge in organic electroluminescent diode</title>. , 1993, , .		1
74	Cyano-Derivatives Of Poly (P-Phenylene Vinylene) For Use In Thin-Film Light-Emitting Diodes. Materials Research Society Symposia Proceedings, 1993, 328, 351.	0.1	9

#	Article	IF	Citations
75	Light-Emitting Diodes Using Semiconducting Oligothiophenes. Materials Research Society Symposia Proceedings, 1993, 328, 389.	0.1	13
76	Azomethine-Zinc Complexes for Emitting Materials in Organic Electroluminescent Devices.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1993, 1993, 879-883.	0.1	3
77	Electroluminescence from organic semiconductors in patterned microcavities. Electronics Letters, 1994, 30, 1000-1002.	0.5	55
78	Electroluminescent Behaviors in Multilayer Thin-Film Electroluminescent Devices Using 9,10-Bisstyrylanthracene Derivatives. Japanese Journal of Applied Physics, 1994, 33, 1061-1068.	0.8	57
79	Excitation and recombination processes during electroluminescence of rare earth-activated materials. Critical Reviews in Solid State and Materials Sciences, 1994, 19, 199-239.	6.8	58
80	Organic Electroluminescent Devices Using a Mixed Single Layer. Japanese Journal of Applied Physics, 1994, 33, L1772-L1774.	0.8	56
81	Carrier Injection Characteristics of Organic Electroluminescent Devices. Japanese Journal of Applied Physics, 1994, 33, 2741-2745.	0.8	71
82	Unique Dynamic Characteristics of Electroluminescent Diode with Superlattice Structure Utilizing Cyclopentadiene Derivative and Aromatic Diamine. Japanese Journal of Applied Physics, 1994, 33, L1232-L1235.	0.8	0
83	Blue-Green Electroluminescent Diodes Utilizing Tris (8-Quinolinolato)-Aluminum Doped Poly (Vinylcarbazole). Chinese Physics Letters, 1994, 11, 454-456.	1.3	6
84	Efficient blue electroluminescence from a fluorinated polyquinoline. Applied Physics Letters, 1994, 65, 1272-1274.	1.5	194
85	High photon conversion in a light transducer combining organic electroluminescent diode with photoresponsive organic pigment film. Applied Physics Letters, 1994, 64, 2546-2548.	1.5	20
86	Conductivity and electroluminescence in an organometallic Langmuir-Blodgett film/anthracene structure. Thin Solid Films, 1994, 244, 936-938.	0.8	7
87	Angular Dependence of the Emission from a Conjugated Polymer Light-Emitting Diode: Implications for efficiency calculations. Advanced Materials, 1994, 6, 491-494.	11.1	582
88	Thermally stable multilared organic electroluminescent devices using novel starburst molecules, 4,4â€²,4â€³-Tri(N-carbazolyl)triphenylamine (TCTA) and 4,4â€²,4â€³-Tris(3-methylphenylphenylamino)triphenylamine (m-MTDATA), as hole-transport materials. Advanced Materials, 1994, 6, 677-679.	11.1	416
89	A high efficiency blue-light-emitting diode based on novel ladder poly(p-phenylene)s. Advanced Materials, 1994, 6, 748-752.	11.1	96
90	Electrical and Luminescent Properties of Color-Changeable Organic Electroluminescent Diode Using Squarylium Dyes. Japanese Journal of Applied Physics, 1994, 33, 6594-6598.	0.8	35
91	Color variation with electroluminescent organic semiconductors in multimode resonant cavities. Applied Physics Letters, 1994, 65, 2308-2310.	1.5	215
92	Light Amplification in a New Light Transducer Combining an Organic Electroluminescent Diode with Photoresponsive Organic Pigment Film. Optical Review, 1994, 1, 82-84.	1.2	8

#	Article	IF	Citations
93	Biosensors: a viable monitoring technology?. Medical and Biological Engineering and Computing, 1994, 32, 601-609.	1.6	20
94	Metal ion dependent luminescence effects in metal trisâ€quinolate organic heterojunction light emitting devices. Applied Physics Letters, 1994, 64, 2718-2720.	1.5	150
95	Multilayered organic electroluminescent device using a novel starburst molecule, 4,4â€™,4â€˜â€tris(3â€methylphenylphenylamino)triphenylamine, as a hole transport material. Applied Physics Letters, 1994, 65, 807-809.	1.5	529
96	Electroluminescence from trapâ€limited current transport in vacuum deposited organic light emitting devices. Applied Physics Letters, 1994, 64, 2285-2287.	1.5	285
97	Observation of degradation processes of Al electrodes in organic electroluminescence devices by electroluminescence microscopy, atomic force microscopy, scanning electron microscopy, and Auger electron spectroscopy. Journal of Applied Physics, 1994, 76, 5118-5121.	1.1	155
98	Light-emitting diodes fabricated with conjugated polymers â€" recent progress. Synthetic Metals, 1994, 67, 3-10.	2.1	165
99	Organicâ€inorganic heterostructure electroluminescent device using a layered perovskite semiconductor (C6H5C2H4NH3)2PbI4. Applied Physics Letters, 1994, 65, 676-678.	1.5	566
100	Space-resolved recombination electroluminescence in organic crystals. Synthetic Metals, 1994, 64, 123-132.	2.1	14
101	Electroluminescence from thin film of a semiconducting oligothiophene deposited in ultrahigh vacuum. Synthetic Metals, 1994, 63, 57-59.	2.1	86
102	State-of-the-art: in polymer light-emitting diodes NEOME polymer LED mini symposium 15â€“17 September 1993, Eindhoven, The Netherlands. Synthetic Metals, 1994, 65, 85-88.	2.1	17
103	A universal relation between conductivity and field-effect mobility in doped amorphous organic semiconductors. Synthetic Metals, 1994, 68, 65-70.	2.1	137
104	Reliability and degradation of organic light emitting devices. Applied Physics Letters, 1994, 65, 2922-2924.	1.5	690
105	Electroluminescence of organic thin films based on blends of polystyrene and fluorescent dyes. Journal of Materials Chemistry, 1994, 4, 675-678.	6.7	17
106	Organic Electroluminescent Devices. , 0, , .		1
107	Silicon compatible organic light emitting diode. Journal of Lightwave Technology, 1994, 12, 2107-2113.	2.7	59
108	Resonant cavity organic electroluminescent devices. , 0, , .		2
109	White lightâ€emitting organic electroluminescent devices using the poly(Nâ€vinylcarbazole) emitter layer doped with three fluorescent dyes. Applied Physics Letters, 1994, 64, 815-817.	1.5	740
110	Microcavity effects in organic semiconductors. Applied Physics Letters, 1994, 64, 2486-2488.	1.5	203

#	Article	IF	Citations
111	Characterization and Optimization of High Brightness Organic Light Emitting Diodes (OLEDs). , 0, , .		1
112	Luminescence Effects in Gels Containing Organo-Aluminum Complexes. Materials Research Society Symposia Proceedings, 1994, 346, 569.	0.1	0
113	Electroluminescence of violanthrone obtained by vacuum-deposition of 3,3'-dibenzanthronyl.. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 1994, 7, 103-106.	0.1	0
114	Macromolecule complex for advanced optoelectronic devices. Macromolecular Symposia, 1994, 80, 359-377.	0.4	1
115	Charge transport polymers for organic electroluminescent devices. Macromolecular Symposia, 1994, 84, 81-90.	0.4	12
116	Organic Thin-Film-Transistors with High on/off Ratios. Materials Research Society Symposia Proceedings, 1995, 377, 695.	0.1	2
117	Photoluminescence and Electroluminescence Quenching in 8-Hydroxyquinoline Aluminum Chelates. Materials Research Society Symposia Proceedings, 1995, 413, 43.	0.1	4
118	White and Unsaturated Color Organic Light Emitting Diodes. Materials Research Society Symposia Proceedings, 1995, 413, 59.	0.1	0
119	Effect of Photooxidation on the Transient Photoconductivity and Photoluminescence of Alq3. Materials Research Society Symposia Proceedings, 1995, 413, 65.	0.1	1
120	Multilayer Structures and Emissive Regions in Organic Thin-Film Electroluminescent Diodes. Materials Research Society Symposia Proceedings, 1995, 413, 91.	0.1	0
121	Chlorine precursor route (CPR) chemistry to poly(p-phenylene vinylene)-based light emitting diodes. Advanced Materials, 1995, 7, 36-38.	11.1	67
122	Electroluminescence of poly(hydroxyamino esters)-aluminum complexes. Chemical Physics Letters, 1995, 238, 295-300.	1.2	4
123	A relationship between a metal work function and a diffusion potential at Schottky barriers in photovoltaic cells based on a molecular semiconductor. Chemical Physics Letters, 1995, 240, 345-350.	1.2	29
124	Dynamics of excitation transfer in dye doped Î-conjugated polymers. Chemical Physics Letters, 1995, 245, 534-538.	1.2	29
125	Photoelectrical Properties of the Anthracene Monocrystal-Tetracene Layer Junction. Physica Status Solidi A, 1995, 147, 177-185.	1.7	1
126	Opto-electronic polymers for advanced computer and communication technologies. Polymers for Advanced Technologies, 1995, 6, 15-24.	1.6	2
127	Hole Transport in Diâ€pâ€Tolylâ€pâ€Nitrophenylamine Doped Poly(styrene). Physica Status Solidi (B): Basic Research, 1995, 191, 171-181.	0.7	18
128	A comparative study of hole transport in vapor-deposited molecular glasses of N,Nâ€²,Nâ€³,Nâ€´-tetrakis(4-methylphenyl)-(1,1â€²-biphenyl)-4,4â€²-diamine and N,Nâ€²-diphenyl-N,Nâ€²-bis(3-methylphenyl)-(1,1â€²-biphenyl)-4,4â€²-diamine. Chemical Physics, 1995, 200, 245-255.	0.9	97

#	Article	IF	Citations
129	Hole transport in triarylamine doped polymers. Physica B: Condensed Matter, 1995, 216, 43-52.	1.3	39
130	Characteristics of Organic Photo- and Electro-Luminescent Devices with Double Mirrors. Optical Review, 1995, 2, 39-42.	1.2	13
131	Multilayer White Light-Emitting Organic Electroluminescent Device. Science, 1995, 267, 1332-1334.	6.0	1,741
132	Organic electroluminescent devices fabricated using a diamine doped MgF2 thin film as a holeâ€transporting layer. Applied Physics Letters, 1995, 66, 673-675.	1.5	47
133	Real-space coupled-oscillator approach to the radiative decay of conjugated polymers. Physical Review B, 1995, 52, 2528-2538.	1.1	14
134	Light amplification device using organic electroluminescent diode coupled with photoresponsive organic pigment film. Applied Physics Letters, 1995, 66, 2992-2994.	1.5	24
135	Electroluminescence from multilayer organic lightâ€emitting diodes using poly(methylphenylsilane) as hole transporting material. Journal of Applied Physics, 1995, 78, 2684-2690.	1.1	72
136	Highly efficient blue electroluminescence from a distyrylarylene emitting layer with a new dopant. Applied Physics Letters, 1995, 67, 3853-3855.	1.5	467
137	Importance of poly(Nâ€vinylcarbazole) dopant to poly(3â€octylthiophene) electroluminescence. Journal of Applied Physics, 1995, 78, 2679-2683.	1.1	60
138	Electron injection polymer for polymer lightâ€emitting diodes. Journal of Applied Physics, 1995, 77, 4807-4809.	1.1	79
139	Novel Optical and Electroluminescent Characteristics of Organic Multiple Quantum Well Structure Utilizing Fluorescent Dye Molecules. Molecular Crystals and Liquid Crystals, 1995, 267, 417-422.	0.3	1
140	Bright Blue Emission From a New Species of Polymer Diode. Chinese Physics Letters, 1995, 12, 54-57.	1.3	2
141	Blue Electroluminescent Devices Using the Dye Doped Polymers as Emitter and the Organic Molecule Film as Hole Blocking Layer. Chinese Physics Letters, 1995, 12, 381-384.	1.3	4
142	Unique Electroluminescent Characteristics of Light-Emitting Diode Utilizing Poly(3-alkylthiophene) Containing Fluorescent Dye. Japanese Journal of Applied Physics, 1995, 34, L1237-L1240.	0.8	28
143	Pulse Response of Electroluminescence in Poly(3-alkylthiophene) Mixed with Fluorescent Dye. Japanese Journal of Applied Physics, 1995, 34, L1546-L1549.	0.8	4
144	Color-Variable Electroluminescent Diode with Single Quantum Well Structure Utilizing 8-Hydroxyquinoline Aluminum and Aromatic Diamine. Japanese Journal of Applied Physics, 1995, 34, L499-L502.	0.8	25
145	Organic Luminescent Devices with a Multiplex Cavity Structure. Japanese Journal of Applied Physics, 1995, 34, L1234-L1236.	0.8	7
146	Novel Characteristics of Electroluminescent Diode with Organic Multiple-Quantum-Well Structure. Japanese Journal of Applied Physics, 1995, 34, 3790-3793.	0.8	7

#	Article	IF	Citations
147	Effects of Plasma Modification on Hole Transport Layer in Organic Electroluminescent Diode. Japanese Journal of Applied Physics, 1995, 34, L845-L848.	0.8	15
148	Enhancement of Organic Electroluminescent Intensity by Doping Hole-Property Polymers. Chinese Physics Letters, 1995, 12, 569-572.	1.3	1
149	Influence of Doped Poly(N-vinylcarbazole) on Poly(3-octylthiophene) Electroluminescence. Japanese Journal of Applied Physics, 1995, 34, L182-L184.	0.8	15
150	Pyrazoline Dimers for Hole Transport Materials in Organic Electroluminescent Devices. Japanese Journal of Applied Physics, 1995, 34, 3124-3127.	0.8	65
151	Electron drift mobility of oxadiazole derivatives doped in polycarbonate. Applied Physics Letters, 1995, 66, 3433-3435.	1.5	108
152	Novel Europium Complex for Electroluminescent Devices with Sharp Red Emission. Japanese Journal of Applied Physics, 1995, 34, 1883-1887.	0.8	134
153	Singleâ€layer white lightâ€emitting organic electroluminescent devices based on dyeâ€dispersed poly(Nâ€vinylcarbazole). Applied Physics Letters, 1995, 67, 2281-2283.	1.5	620
154	Poly(pâ€phenylene vinylene)/tris(8â€hydroxy) quinoline aluminum heterostructure light emitting diode. Applied Physics Letters, 1995, 66, 653-655.	1.5	70
155	Electron and hole mobility in tris(8â€hydroxyquinolinolatoâ€N1,O8) aluminum. Applied Physics Letters, 1995, 66, 3618-3620.	1.5	416
156	A study of the electroluminescence process of an organic electroluminescence diode with an Alq3 emission layer using a dye-doping method. Journal Physics D: Applied Physics, 1995, 28, 1461-1467.	1.3	52
157	Molecular design of hole transport materials for obtaining high durability in organic electroluminescent diodes. Applied Physics Letters, 1995, 66, 2679-2681.	1.5	411
158	Influence of the Emission Site on the Running Durability of Organic Electroluminescent Devices. Japanese Journal of Applied Physics, 1995, 34, L824-L826.	0.8	192
159	Synthesis and characterization of a distyrylbenzene derivative for use in organic electroluminescent devices. Journal of Materials Chemistry, 1995, 5, 1867.	6.7	4
160	The effect of electrode materials on the carrier injection into the organic Alq/sub 3/-TPD electroluminescence (EL) device. , 0, , .		0
161	Direct measurement of the internal electric field distribution in a multilayer organic lightâ€emitting diode. Applied Physics Letters, 1995, 67, 3171-3173.	1.5	77
162	Organic Electroluminescent Devices Having Derivatives of Aluminum-Hydroxyquinoline Complex as Light Emitting Materials. Japanese Journal of Applied Physics, 1996, 35, 5357-5360.	0.8	63
163	Formation and growth of black spots in organic lightâ€emitting diodes. Journal of Applied Physics, 1996, 80, 6002-6007.	1.1	291
164	A Chemical Failure Mechanism for Aluminum(III) 8-Hydroxyquinoline Light-Emitting Devices. Chemistry of Materials, 1996, 8, 1363-1365.	3.2	188

#	Article	IF	Citations
165	Substituted Aluminum and Zinc Quinolates with Blue-Shifted Absorbance/Luminescence Bands:Â Synthesis and Spectroscopic, Photoluminescence, and Electroluminescence Characterization. Chemistry of Materials, 1996, 8, 344-351.	3.2	230
166	Organic Multilayer White Light Emitting Diodes. Journal of the American Chemical Society, 1996, 118, 1213-1214.	6.6	162
167	A New Polymeric Triarylamine and Its Use as a Charge Transport Layer for Polymeric LEDs. Macromolecules, 1996, 29, 2359-2364.	2.2	53
168	Transient electroluminescence from single- and double-layer light-emitting diodes (LEDs) based on polymer blends. Synthetic Metals, 1996, 76, 67-70.	2.1	84
169	Injection-controlled and volume-controlled electroluminescence in organic light-emitting diodes. Synthetic Metals, 1996, 76, 77-83.	2.1	33
170	Organic light-emitting diodes (LEDs) based on Langmuir-Blodgett films containing rare-earth complexes. Synthetic Metals, 1996, 76, 91-93.	2.1	18
171	Semiconductor Device Physics of Conjugated Polymers. Solid State Physics, 1996, 49, 1-149.	1.3	103
172	Electroluminescence in conjugated polymers: excited states in cyano-derivatives of poly(p-phenylenevinylene). Synthetic Metals, 1996, 80, 119-124.	2.1	38
173	Solid-state polymer light-emitting electrochemical cells. Synthetic Metals, 1996, 80, 131-136.	2.1	33
174	White-light emission from electroluminescence diode with polyaniline as the emitting layer. Synthetic Metals, 1996, 82, 207-210.	2.1	188
175	Organic electroluminescence devices fabricated with chemical vapour deposited polyazomethine films. Synthetic Metals, 1996, 83, 61-66.	2.1	75
176	Metal oxides as a hole-injecting layer for an organic electroluminescent device. Journal Physics D: Applied Physics, 1996, 29, 2750-2753.	1.3	308
177	Height of the energy barrier existing between cathodes and hydroxyquinolineâ€“aluminum complex of organic electroluminescence devices. Journal of Applied Physics, 1996, 79, 264-268.	1.1	68
178	Organic Electroluminescent Devices. Science, 1996, 273, 884-888.	6.0	1,060
179	Relationship between electroluminescence and current transport in organic heterojunction lightâ€emitting devices. Journal of Applied Physics, 1996, 79, 7991-8006.	1.1	820
180	Physics and applications of organic microcavity light emitting diodes. Journal of Applied Physics, 1996, 80, 6954-6964.	1.1	285
181	Bimolecular reactions of singlet excitons in tris(8â€hydroxyquinoline) aluminum. Applied Physics Letters, 1996, 69, 4168-4170.	1.5	103
182	Highâ€temperature operation of an electroluminescent device fabricated using a novel triphenylamine derivative. Applied Physics Letters, 1996, 69, 878-880.	1.5	108

#	Article	IF	Citations
183	Determination of spaceâ€charge dynamics and transport parameters in hydrogenated carbon layers by timeâ€resolved electroluminescence measurements. Journal of Applied Physics, 1996, 80, 470-476.	1.1	9
184	Durability Characteristics of Aminopyrene Dimer Molecules as an Emitter in Organic Multilayered Electroluminescent Diodes. Japanese Journal of Applied Physics, 1996, 35, 4819-4825.	0.8	15
185	Preparation and characterization of Langmuirâ€“Blodgett films of N-hexadecyl-8-hydroxy-2-quinoiinecarboxamide and its lanthanum complex. Journal of Materials Chemistry, 1996, 6, 963-967.	6.7	17
186	Electroluminescent Diodes Using Cyclohexane-Based Glass Forming Liquid Crystals and Their Analogues. Materials Research Society Symposia Proceedings, 1996, 425, 233.	0.1	0
187	Semiconductor device physics with conjugated polymers. Physica Scripta, 1996, T66, 9-15.	1.2	17
188	Crystal Structure of Tris(8-quinolinolato)aluminum(III)-Ethyl Acetate(1/0.5). Analytical Sciences, 1996, 12, 153-154.	0.8	53
189	Blue Electroluminescent 1,2,4-Triazole Derivative. Chemistry Letters, 1996, 25, 47-48.	0.7	25
190	Organic electroluminescent devices with improved stability. Applied Physics Letters, 1996, 69, 2160-2162.	1.5	1,362
191	Red electroluminescence from a thin organometallic layer of europium. Journal of Applied Physics, 1996, 80, 7144-7150.	1.1	64
192	Electroluminescence with organic compounds. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1996, 100, 1667-1677.	0.9	101
193	Organic electroluminescent displays. Endeavour, 1996, 20, 115-120.	0.1	28
194	Direct observation of the crystallization in EL organic thin films by total reflection X-ray diffractometer. Thin Solid Films, 1996, 281-282, 542-544.	0.8	0
195	Recent progress in polymers for electroluminescence: microcavity devices and electron transport polymers. Thin Solid Films, 1996, 273, 39-47.	0.8	49
196	Drift mobility of holes in vacuum-deposited films of zinc tetraphenylporphyrin. Chemical Physics Letters, 1996, 258, 213-216.	1.2	12
197	Vacuum-vaporized films of fluorescent europium complexes and their device applications. Materials Research Bulletin, 1996, 31, 993-999.	2.7	14
198	Electroluminescent diodes from a single component emitting layer of dendritic macromolecules. Advanced Materials, 1996, 8, 237-241.	11.1	268
199	Molecular orbital energy level engineering in organic transistors. Advanced Materials, 1996, 8, 853-855.	11.1	35
200	Photoluminescence efficiency and absorption of aluminum-tris-quinolate (Alq3) thin films. Chemical Physics Letters, 1996, 249, 433-437.	1.2	197

#	Article	IF	Citations
201	Light-emitting diodes fabricated with conjugated polymers. Solid-State Electronics, 1996, 40, 477-485.	0.8	13
202	Morphological change in the degradation of Al electrode surfaces of electroluminescent devices by fluorescence microscopy and AFM. Thin Solid Films, 1996, 273, 209-213.	0.8	84
203	Light-emitting and photoconductive diodes fabricated with conjugated polymers. Thin Solid Films, 1996, 276, 13-20.	0.8	32
204	Charge transport in vapor deposited molecular glasses. Physica B: Condensed Matter, 1996, 217, 212-220.	1.3	36
205	Enhancement of organic electroluminescent intensity by charge transfer from guest to host. Journal of Luminescence, 1996, 68, 49-54.	1.5	23
206	Hole transport in vapor deposited bis(ditolylaminostyryl)benzene. Physica B: Condensed Matter, 1996, 228, 226-232.	1.3	14
207	Influence of the surface pressure of Langmuir-Blodgett films on the efficiency of organic electroluminescence. Thin Solid Films, 1996, 288, 334-336.	0.8	2
208	Metal ion complexation of N-hexadecyl-8-hydroxy-2-quinolinecarboxamide in monolayers at the air-water interface and in organized monolayers systems. Thin Solid Films, 1996, 289, 199-204.	0.8	19
209	Patterned Emission in Organic Electroluminescent Device Using Photodecomposition of Polysilane Film by UV Light. Japanese Journal of Applied Physics, 1996, 35, 4809-4812.	0.8	11
210	Organic lightâ€emitting diodes with radio frequency sputterâ€deposited electron injecting electrodes. Applied Physics Letters, 1996, 68, 2276-2278.	1.5	46
211	Effect of layered structures on the location of emissive regions in organic electroluminescent devices. Journal of Applied Physics, 1996, 79, 8808-8815.	1.1	52
212	Organic Electroluminescent Devices Using Novel Starburst Molecules, 1,3,5-Tris[4-(3-Methylphenyl-Phenylamino)Phenyl]Benzene And 4,4â€²,4â€³-Tris(3-Methyl-Phenylphenylamino)Triphenylamine, as Hole-Transport Materials. Molecular Crystals and Liquid Crystals, 1996, 280, 331-336.	0.3	38
213	Dynamics of photoexcited states and charge carriers in organic thin films: Alq3. Applied Physics Letters, 1996, 69, 1677-1679.	1.5	20
214	Fabrication of electron injecting Mg:Ag alloy electrodes for organic lightâ€emitting diodes with radio frequency magnetron sputter deposition. Applied Physics Letters, 1996, 69, 1611-1613.	1.5	25
215	Behavior of charge carriers and excitons in multilayer organic light-emitting diodes made from a polysilane polymer as monitored with electroluminescence. Journal of Applied Physics, 1996, 79, 858.	1.1	30
216	Preparation and properties of an organic light emitting diode with two emission colors dependent on the voltage polarity. Applied Physics Letters, 1996, 69, 3309-3311.	1.5	34
217	Field and temperature dependencies of free carrier photogeneration efficiencies of molecular glasses. Journal of Chemical Physics, 1996, 105, 8490-8494.	1.2	16
218	Threeâ€layered multicolor organic electroluminescent device. Applied Physics Letters, 1996, 69, 734-736.	1.5	78

#	Article	IF	Citations
219	Strongly directed single mode emission from organic electroluminescent diode with a microcavity. Applied Physics Letters, 1996, 68, 2633-2635.	1.5	40
220	Electroluminescence of epitaxial perylene films. Applied Physics Letters, 1996, 69, 2315-2317.	1.5	59
221	Voltageâ€tunableâ€color multilayer organic light emitting diode. Applied Physics Letters, 1996, 68, 2317-2319.	1.5	88
222	Integrated threeâ€color organic lightâ€emitting devices. Applied Physics Letters, 1996, 69, 3117-3119.	1.5	86
223	Effects of doping dyes on the electroluminescent characteristics of multilayer organic lightâ€emitting diodes. Journal of Applied Physics, 1996, 79, 8816-8822.	1.1	111
224	Electroluminescence from triplet excited states of benzophenone. Applied Physics Letters, 1996, 69, 224-226.	1.5	88
225	Operation mechanisms of thin film organic electroluminescent diodes. International Journal of Electronics, 1996, 81, 377-400.	0.9	39
226	Status of and prospects for organic electroluminescence. Journal of Materials Research, 1996, 11, 3174-3187.	1.2	390
227	White organic electroluminescence devices. Applied Physics Letters, 1996, 68, 1192-1194.	1.5	159
228	Molecularly Doped Liquid Crystalline Polymer as a Hole Transport Layer in Organic Electroluminescence Device. Molecular Crystals and Liquid Crystals, 1996, 280, 337-342.	0.3	2
229	Systematic Study of the Photoluminescent and Electroluminescent Properties of Pentacoordinate Carboxylate and Chloro Bis(8-hydroxyquinaldine) Complexes of Gallium(III). The Journal of Physical Chemistry, 1996, 100, 17766-17771.	2.9	41
230	Effect of Group and Net Dipole Moments on Electron Transport in Molecularly Doped Polymers. The Journal of Physical Chemistry, 1996, 100, 17923-17930.	2.9	13
231	Color-tunable organic light emitting devices. , 0, , .		0
232	Hole Transport in Vapor-Deposited Triphenylmethane Glasses. Japanese Journal of Applied Physics, 1996, 35, 2698-2703.	0.8	16
233	Enhancement of Electroluminescence Intensity from Dye-Doped Poly(3-Alkylthiophene) Light Emitting Diode with Different Alkyl-Side-Chain Length. Japanese Journal of Applied Physics, 1996, 35, 4105-4109.	0.8	23
234	$f ZnSembox{–}Zn_{0.78}Cd_{0.22}Se$ Multi-Superlattice Structure for Effective Optical Pumping and Multicolor Emission. Japanese Journal of Applied Physics, 1996, 35, L1486-L1489.	0.8	2
235	Comparison of Electroluminescence and Photoluminescence Efficiencies of Organic Electroluminescent Devices Having a Bilayer Structure. Japanese Journal of Applied Physics, 1996, 35, 3468-3472.	0.8	6
236	Actual Emitting Region in Organic Electroluminescent Diodes with Multilayer Structure. Japanese Journal of Applied Physics, 1996, 35, L849-L851.	0.8	7

#	Article	IF	Citations
237	Organic thin film electroluminescent devices with ZnO:Al as the anode. Journal of Physics Condensed Matter, 1996, 8, 3221-3228.	0.7	13
238	Organic films deposited on Sipâ€njunctions: Accurate measurements of fluorescence internal efficiency, and application to luminescent antireflection coatings. Journal of Applied Physics, 1996, 80, 4644-4648.	1.1	53
239	A Bipolar Charge Transport Molecule. Japanese Journal of Applied Physics, 1996, 35, 5384-5388.	0.8	7
240	Polarity-Dependent Multicolor Organic Electroluminescent Device. Japanese Journal of Applied Physics, 1996, 35, L397-L400.	0.8	43
241	Analysis of Current-Voltage Characteristics of Organic Electroluminescent Devices on the Basis of Schottky Emission Mechanism. Japanese Journal of Applied Physics, 1996, 35, 5735-5739.	0.8	41
242	Electron Transport in Vapor-Deposited Naphtlalene Dicarboximide Glasses. Japanese Journal of Applied Physics, 1996, 35, 6135-6138.	0.8	2
243	The Effect of Dopant Concentration on the Mobility of a Triphenylmethane Doped Polymer. Japanese Journal of Applied Physics, 1996, 35, 3930-3936.	0.8	8
244	Plasma Polymerization for the Deposition of an Electroluminescent Polymer Layer. Japanese Journal of Applied Physics, 1996, 35, L1506-L1508.	0.8	13
245	High performance organic electroluminescent diodes with microcavities. Electronics Letters, 1996, 32, 691.	0.5	4
246	Carrier transport in a three-layered electroluminescent device. Journal Physics D: Applied Physics, 1996, 29, 2983-2987.	1.3	7
247	Electron-Hole Recombination Range under the Control of a Langmuir-Blodgett Film Barrier. Japanese Journal of Applied Physics, 1997, 36, L30-L32.	0.8	4
248	Electroluminescence of polymer doped with triphenyl-2-pyrazoline. Acta Physica Sinica (overseas) Tj ETQq1 1 0.784314 rgBT /Overloc	0.1	0
249	Fluorescence Lifetime of Organic Thin Films Alternately Deposited with Diamine Derivative and Aluminum Quinoline. Japanese Journal of Applied Physics, 1997, 36, 7239-7244.	0.8	20
250	Submicrometer-Sized Organic Light Emitting Diodes with a Triphenylamine-Containing Polycarbonate as a Guest Molecule in a Polymer Blend. Japanese Journal of Applied Physics, 1997, 36, L827-L830.	0.8	13
251	Control of Organic Interfaces with a Thin Film of Silicon Monoxide between 8-Hydroxyquinoline Aluminum and Diamine Layers in an Organic EL Diode. Japanese Journal of Applied Physics, 1997, 36, L1022-L1024.	0.8	11
252	Enhancement of Electroluminescence by Low-Temperature Deposition of Organic Thin Solid Films. Chinese Physics Letters, 1997, 14, 141-144.	1.3	2
253	Light Emitting Diode Based on Tb(AcAc) ₃ Phen. Chinese Physics Letters, 1997, 14, 71-73.	1.3	0
254	Studies of two-photon pumped frequency-upconverted lasing properties of a new dye material. Journal of Applied Physics, 1997, 81, 2529-2537.	1.1	142

#	Article	IF	Citations
255	Thermal stability in oligomeric triphenylamine/tris(8-quinolinolato) aluminum electroluminescent devices. Applied Physics Letters, 1997, 70, 1929-1931.	1.5	277
256	Unoccupied molecular orbital states of tris (8-hydroxy quinoline) aluminum: Observation and dynamics. Applied Physics Letters, 1997, 71, 202-204.	1.5	50
257	Deposition-induced photoluminescence quenching of tris-(8-hydroxyquinoline) aluminum. Applied Physics Letters, 1997, 71, 1005-1007.	1.5	55
258	Molecular stacking in epitaxial crystals of oxometal phthalocyanines. Journal of Applied Physics, 1997, 81, 7306-7312.	1.1	34
259	Novel blue fluorescent materials for organic electroluminescent (EL) devices. , 0, , .		0
260	STM-induced luminescence study of poly(p-phenylenevinylene) by conversion under ultraclean conditions. Physical Review B, 1997, 56, 1269-1278.	1.1	48
261	Efficient red- and orange-light-emitting diodes realized by excitation energy transfer from blue-light-emitting conjugated polymers. Physical Review B, 1997, 56, 4479-4483.	1.1	127
262	Blue photo- and electroluminescence from poly(benzoyl-1,4-phenylene). Applied Physics Letters, 1997, 70, 298-300.	1.5	39
263	Progress in Electroluminescent Devices Using Molecular Thin Films. MRS Bulletin, 1997, 22, 39-45.	1.7	269
264	Radiation-induced photoluminescence quenching of phenylene vinylene oligomer thin films. Physical Review B, 1997, 55, 15460-15463.	1.1	6
265	Electronic structure calculations of doped organic materials for electroluminescent devices. Journal of Applied Physics, 1997, 82, 514-521.	1.1	11
266	Conductivity-type anisotropy in molecular solids. Journal of Applied Physics, 1997, 81, 6804-6808.	1.1	156
267	Surface Treatment of Indium-Tin-Oxide Substrates and Its Effects on Initial Nucleation Processes of Diamine Films. Japanese Journal of Applied Physics, 1997, 36, 350-353.	0.8	52
268	Organic Electroluminescent Devices Fabricated with a Co-Deposited Hole Transport Layer. Molecular Crystals and Liquid Crystals, 1997, 295, 35-38.	0.3	0
269	Device structures and materials for organic light-emitting diodes. , 1997, 3006, 164.		4
270	Morphological Effects in the Chemical and Photoluminescent Behavior of Aluminum Tris(8-Hydroxyquinoline) (Alq3). Materials Research Society Symposia Proceedings, 1997, 488, 521.	0.1	0
271	Fabrication of Polymer Light Emitting Diodes by Layer-by-Layer Complexation Technique. Materials Research Society Symposia Proceedings, 1997, 488, 527.	0.1	6
272	Polymeric Zinc-Bisquinoline Based Self-Assembled Light Emitting Diodes. Materials Research Society Symposia Proceedings, 1997, 488, 105.	0.1	2

#	Article	IF	Citations
273	Internal Field Distribution in Organic Light Emitting Diodes with Double Layer Structure. Materials Research Society Symposia Proceedings, 1997, 488, 121.	0.1	4
274	Control of Emissive Layer Interfaces with Inorganic Thin Layer Between 8-Hydroxyquinoline Aluminum and Diamine Layers in Organic El Diode. Materials Research Society Symposia Proceedings, 1997, 488, 575.	0.1	0
275	Observation of the Temperature Dependence of the Dynamics of Photoexcited States in Pristine Tris(8-Hydroxyquinoline) Aluminum (Alq3). Materials Research Society Symposia Proceedings, 1997, 488, 695.	0.1	0
276	Thermally Stimulated Luminescence of Naphthylsubstituted Benzidine Derivative and Tris-8-(Hydroxyquinoline) Aluminum With and Without Metal Layers. Materials Research Society Symposia Proceedings, 1997, 488, 753.	0.1	0
277	Electroluminescence of Bis[N-hexadecyl-8-hydroxy-2-quinoline carboxamide]cadmium. Chemistry Letters, 1997, 26, 815-816.	0.7	5
278	Orange Color Electroluminescence from Bis(2-styryl-8-quinolinolato)zinc(II). Chemistry Letters, 1997, 26, 633-634.	0.7	10
279	Thin film active matrix organic electroluminescent display development. , 0, , .		0
280	Blue electroluminescence of novel pyrazoloquinoline and bispyrazolopyridine derivatives in doped polymer matrices. Journal of Materials Chemistry, 1997, 7, 2323-2325.	6.7	78
281	Planar light-emitting devices fabricated with luminescent electrochemical polyblends. Applied Physics Letters, 1997, 70, 934-936.	1.5	43
282	Carrier transport mechanisms in organic electroluminescent devices. , 1997, , .		0
283	Molecular Design, Syntheses, and Physical Properties of Nonpolymeric Amorphous Dyes for Electron Transport. Journal of Physical Chemistry A, 1997, 101, 2350-2357.	1.1	34
284	Bright high efficiency blue organic light-emitting diodes with Al2O3/Al cathodes. Applied Physics Letters, 1997, 71, 2560-2562.	1.5	115
285	Efficient multilayer electroluminescence devices with poly(m-phenylenevinylene-co-2,5-dioctyloxy-p-phenylenevinylene) as the emissive layer. Journal of Applied Physics, 1997, 82, 2662-2670.	1.1	102
286	An overview of organic electroluminescent materials and devices. Journal of the Society for Information Display, 1997, 5, 11.	0.8	32
287	Dot-matrix display using organic light-emitting diodes. Journal of the Society for Information Display, 1997, 5, 235.	0.8	21
288	Doped organic electroluminescent devices with improved stability. Applied Physics Letters, 1997, 70, 1665-1667.	1.5	448
289	A novel yellow-emitting material, 5,5â€²â€²-bis{4-[bis(4-methylphenyl)amino] phenyl}-2,2â€²:5â€²,2â€²â€²-terthiophene, for organic electroluminescent devices. Applied Physics Letters, 1997, 70, 699-701.	1.5	61
290	Electroluminescence of 1,3,4-Oxadiazole and Triphenylamine-Containing Molecules as an Emitter in Organic Multilayer Light Emitting Diodes. Chemistry of Materials, 1997, 9, 1077-1085.	3.2	316

#	Article	IF	Citations
291	Hybrid organicâ€“inorganic semiconductor-based light-emitting diodes. Journal of Applied Physics, 1997, 82, 4126-4128.	1.1	43
292	Orientation-controlled organic electroluminescence of p-sexiphenyl films. Applied Physics Letters, 1997, 71, 2563-2565.	1.5	167
293	Organic electroluminescent devices with Langmuirâ€“Blodgett films of an amphiphilic complex with an 8-hydroxyquinoline as an emitter. Chemical Communications, 1997, , 815-816.	2.2	17
294	Electric field effect on luminescence efficiency in 8-hydroxyquinoline aluminum (Alq3) thin films. Applied Physics Letters, 1997, 70, 1935-1937.	1.5	80
295	Stimulated emission and lasing in dye-doped organic thin films with Forster transfer. Applied Physics Letters, 1997, 71, 2230-2232.	1.5	174
296	Enhanced electron injection in organic electroluminescence devices using an Al/LiF electrode. Applied Physics Letters, 1997, 70, 152-154.	1.5	1,435
297	Fabrication and electroluminescence of double-layered organic light-emitting diodes with the Al2O3/Al cathode. Applied Physics Letters, 1997, 70, 1233-1235.	1.5	239
298	Effect of metal films on the photoluminescence and electroluminescence of conjugated polymers. Physical Review B, 1997, 56, 1893-1905.	1.1	261
299	APPLIED PHYSICS: Organic Solid-State Lasers: Past and Future. Science, 1997, 277, 1787-1788.	6.0	60
300	Ultrathin Organic Films Grown by Organic Molecular Beam Deposition and Related Techniques. Chemical Reviews, 1997, 97, 1793-1896.	23.0	1,765
301	Interference phenomenon determines the color in an organic light emitting diode. Journal of Applied Physics, 1997, 81, 8097-8104.	1.1	117
302	Polymer Light-Emitting Diodes Utilizing Aryleneâ€”Vinylene Copolymers as Light-Emitting Materials. ACS Symposium Series, 1997, , 345-357.	0.5	9
303	Vacuum-deposited, nonpolymeric flexible organic light-emitting devices. Optics Letters, 1997, 22, 172.	1.7	236
304	Temperature-dependent electroluminescence from (Eu, Gd) coordination complexes. Applied Physics Letters, 1997, 71, 2596-2598.	1.5	60
305	Three-Color, Tunable, Organic Light-Emitting Devices. Science, 1997, 276, 2009-2011.	6.0	571
306	Nonlinear optical properties of a new chromophore. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 1079.	0.9	148
307	Light-emitting devices with polymer-organic heterostructure. Journal of the Optical Society of Korea, 1997, 1, 116-119.	0.6	0
308	Simultaneous measurement of the transient photoconductivity and photoluminescence in Alq3. Synthetic Metals, 1997, 84, 877-878.	2.1	8

#	Article	IF	Citations
309	Photooxidation effects on picosecond photoluminescence and photoconductivity in tris-(8-hydroxyquinoline) aluminum (Alq3).. Synthetic Metals, 1997, 84, 915-916.	2.1	20
310	Reactions of singlet excitons in tris-(8-hydroxyquinoline) aluminum. Synthetic Metals, 1997, 84, 921-922.	2.1	6
311	Organic electroluminescent devices doped with condensed polycyclic aromatic compounds. Synthetic Metals, 1997, 91, 27-30.	2.1	34
312	Characteristics of organic electroluminescent devices with new dopants. Synthetic Metals, 1997, 91, 103-107.	2.1	36
313	Measurement of electron/hole mobility in organic/polymeric thin films using modified time-of-flight apparatus. Synthetic Metals, 1997, 91, 169-171.	2.1	42
314	Change of the depth profile of a light-emitting zone in organic EL devices with their degradation. Synthetic Metals, 1997, 91, 197-198.	2.1	31
315	Highly efficient and stable organic light-emitting diodes. Synthetic Metals, 1997, 91, 181-185.	2.1	72
316	Organic electroluminescent devices using distyryl compound. Synthetic Metals, 1997, 91, 257-258.	2.1	4
317	Synthesis and luminescent properties of europium complexes. Synthetic Metals, 1997, 91, 259-262.	2.1	35
318	Organic electroluminescent devices using deposited poly(p-phenylene) film as hole transport layer. Synthetic Metals, 1997, 87, 31-36.	2.1	21
319	Environmental stability of aluminum tris(8-hydroxyquinoline) (Alq3) and its implications in light emitting devices. Synthetic Metals, 1997, 85, 1221-1224.	2.1	56
320	Highly fluorescent molecular organic composites for light-emitting diodes. Synthetic Metals, 1997, 85, 1225-1228.	2.1	32
321	Electronic Processes of Conjugated Polymers in Semiconductor Device Structures. Synthetic Metals, 1997, 84, 463-470.	2.1	52
322	Light-emitting diodes based on phenylenevinylene oligomers with defined chain lengths. Synthetic Metals, 1997, 90, 123-126.	2.1	20
323	Orange and red organic light-emitting devices using aluminum tris(5-hydroxyquinoxaline). Synthetic Metals, 1997, 91, 217-221.	2.1	46
324	Photoluminescence and electroluminescence of squarylium cyanine dyes. Synthetic Metals, 1997, 91, 237-241.	2.1	13
325	Redistribution of carriers in OEL devices by inserting a thin charge-carrier blocking layer. Synthetic Metals, 1997, 91, 275-277.	2.1	5
326	Bright blue electroluminescent devices utilizing poly(N-vinylcarbazole) doped with fluorescent dye. Synthetic Metals, 1997, 91, 331-332.	2.1	21

#	Article	IF	Citations
327	Materials and Fabrication of Organic Bilayer EL Device Preparation of Aromatic Tertiary Amines as Hole Transportating Agent and Their Current-Voltage Characteristics.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1997, 1997, 134-138.	0.1	0
328	Starburst molecules based on Ï€-electron systems as materials for organic electroluminescent devices. Journal of Luminescence, 1997, 72-74, 985-991.	1.5	78
329	Charge transport in vacuum-sublimed films of metal-free tetraphenylporphyrin and its relation to capacitance and photocurrent measurements. Thin Solid Films, 1997, 300, 213-217.	0.8	17
330	Laser action in organic semiconductor waveguide and double-heterostructure devices. Nature, 1997, 389, 362-364.	13.7	464
331	Achieving full-color organic light-emitting devices for lightweight, flat-panel displays. IEEE Transactions on Electron Devices, 1997, 44, 1188-1203.	1.6	282
332	RGB luminescence from passive-matrix organic LED'S. IEEE Transactions on Electron Devices, 1997, 44, 1222-1228.	1.6	77
333	Voltage dependence of light-emitting zone in aluminum-hydroxyquinoline layers of organic heterojunction EL devices. IEEE Transactions on Electron Devices, 1997, 44, 1229-1233.	1.6	13
334	Multicolor organic electroluminescent device utilizing vapor-deposited fluorescent dye films. IEEE Transactions on Electron Devices, 1997, 44, 1234-1238.	1.6	17
335	Temperature dependences of electroluminescent characteristics in the devices fabricated with novel triphenylamine derivatives. IEEE Transactions on Electron Devices, 1997, 44, 1239-1244.	1.6	54
336	Organic EL cells using alkaline metal compounds as electron injection materials. IEEE Transactions on Electron Devices, 1997, 44, 1245-1248.	1.6	192
337	Molecular design of hole transport material with various ionization potential for organic light-emitting diode applications. IEEE Transactions on Electron Devices, 1997, 44, 1302-1306.	1.6	42
338	Synthesis of polymers for hole and electron transport materials in organic electroluminescent devices. IEEE Transactions on Electron Devices, 1997, 44, 1307-1314.	1.6	21
339	Organic light emitting diodes. Solid State Communications, 1997, 102, 259-267.	0.9	164
340	Electronic excitations in luminescent conjugated polymers. Solid State Communications, 1997, 102, 249-258.	0.9	69
341	Derivatized electrodes in the construction of organic light emitting diodes. Advanced Materials, 1997, 9, 222-225.	11.1	84
342	Oligophenylenevinylenes for light-emitting diodes. Advanced Materials, 1997, 9, 639-643.	11.1	63
343	A novel family of amorphous molecular materials containing an oligothiophene moiety as color-tunable emitting materials for organic electroluminescent devices. Advanced Materials, 1997, 9, 720-722.	11.1	128
344	Low molecular weight and polymeric triphenylenes as hole transport materials in organic two-layer LEDs. Advanced Materials, 1997, 9, 1031-1035.	11.1	99

#	Article	IF	Citations
345	Title is missing!. Acta Polymerica, 1997, 48, 188-192.	1.4	22
346	Polythienylenevinylene as promoter of hole injection from ITO into bilayer light emitting diodes. Acta Polymerica, 1997, 48, 450-454.	1.4	9
347	Exciton dynamics in an aromatic diamine at the interface with 8-hydroxyquinoline aluminum. Chemical Physics Letters, 1997, 265, 607-613.	1.2	22
348	Metal chelates as emitting materials for organic electroluminescence. Coordination Chemistry Reviews, 1998, 171, 161-174.	9.5	689
349	Protonated metal-oxide electrodes for organic light emitting diodes. Chemical Physics Letters, 1998, 283, 194-200.	1.2	51
350	Bright, saturated, red-to-yellow organic light-emitting devices based on polarization-induced spectral shifts. Chemical Physics Letters, 1998, 287, 455-460.	1.2	350
351	Electroluminescence color tuning by dye doping in organic light-emitting diodes. IEEE Journal of Selected Topics in Quantum Electronics, 1998, 4, 3-13.	1.9	207
352	Novel metalâ€“chelate emitting materials based on polycyclic aromatic ligands for electroluminescent devices. Journal of Materials Chemistry, 1998, 8, 1999-2003.	6.7	58
353	Voltage-induced evolution of emission spectra in organic light-emitting diodes. Journal of Applied Physics, 1998, 83, 4242-4248.	1.1	58
354	New Triarylamine-Containing Polymers as Hole Transport Materials in Organic Light-Emitting Diodes:Â Effect of Polymer Structure and Cross-Linking on Device Characteristics. Chemistry of Materials, 1998, 10, 1668-1676.	3.2	195
355	Highly efficient phosphorescent emission from organic electroluminescent devices. Nature, 1998, 395, 151-154.	13.7	6,515
356	Temperature dependence of transient photoluminescence in tris(8-hydroxyquinoline) aluminum (Alq3). Optics Communications, 1998, 158, 93-96.	1.0	26
357	Palladium-catalyzed synthesis of triarylamines from aryl halides and diarylamines. Tetrahedron Letters, 1998, 39, 2367-2370.	0.7	307
358	Synthesis, characterization and applications of thiophene-based functional polymers. Progress in Polymer Science, 1998, 23, 1167-1231.	11.8	248
359	Optical Applications. , 0, , 516-558.		3
361	Syntheses and fluorescent properties of 2,5-diamino-3,6-dicyanopyrazine dyes. Dyes and Pigments, 1998, 39, 49-68.	2.0	52
362	Self-Assembling of Aminopyrazine Fluorescent Dyes and Their Solid State Spectra. Dyes and Pigments, 1998, 39, 341-357.	2.0	23
363	Electroluminescent properties of naphthalimide derivative thin film devices. Thin Solid Films, 1998, 325, 268-270.	0.8	13

#	Article	IF	Citations
364	Electroluminescent devices based on monohexadecyl phthalate terbium. Thin Solid Films, 1998, 325, 259-263.	0.8	21
365	Light emitting devices using vacuum deposited organic thin films. Thin Solid Films, 1998, 331, 101-105.	0.8	26
366	Vapor-deposited poly(N -vinylcarbazole) films for hole transport layer in organic electroluminescent devices. Thin Solid Films, 1998, 331, 106-112.	0.8	7
367	Organic heterostructures for electronic and photonic devices. Physica E: Low-Dimensional Systems and Nanostructures, 1998, 2, 562-572.	1.3	44
368	Polymer light emission: control of properties through chemical structure and morphology. Optical Materials, 1998, 9, 1-11.	1.7	55
369	Naphthalimide polymers for organic light-emitting diodes. Optical Materials, 1998, 9, 163-167.	1.7	12
370	Efficient LEDs with a conjugated co-polymer as the emissive layer. Optical Materials, 1998, 9, 173-177.	1.7	7
371	Organic molecular beam deposition: technology and applications in electronics and photonics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1998, 51, 58-65.	1.7	29
372	Electroluminescent behaviours of polymer/organic heterostructure devices. Synthetic Metals, 1998, 96, 123-126.	2.1	19
373	A novel red organic electroluminescent device using Eu complex as an emitting layer. Synthetic Metals, 1998, 97, 113-116.	2.1	27
374	Enhanced performance of polythiophene derivative based light emitting diodes by addition of europium and ruthenium complexes. Synthetic Metals, 1998, 98, 45-49.	2.1	27
375	Bright organic electroluminescent devices having a metal-doped electron-injecting layer. Applied Physics Letters, 1998, 73, 2866-2868.	1.5	560
376	The time evolution of space charge limited current magnitudes in a hydrazone-doped polyester. Journal of Non-Crystalline Solids, 1998, 227-230, 664-668.	1.5	3
377	Chemical potential shifts at organic device electrodes induced by grafted monolayers. Chemical Physics Letters, 1998, 288, 861-867.	1.2	114
378	Energy-band schemes of highly stable organic electroluminescent devices. IEEE Journal of Selected Topics in Quantum Electronics, 1998, 4, 34-39.	1.9	52
379	Chemical and morphological stability of aluminum tris(8-hydroxyquinoline) (Alq/sub 3/): effects in light-emitting devices. IEEE Journal of Selected Topics in Quantum Electronics, 1998, 4, 49-57.	1.9	73
380	Resonators and materials for organic lasers based on energy transfer. IEEE Journal of Selected Topics in Quantum Electronics, 1998, 4, 67-74.	1.9	58
381	Design of flat-panel displays based on organic light-emitting devices. IEEE Journal of Selected Topics in Quantum Electronics, 1998, 4, 83-99.	1.9	171

#	Article	IF	Citations
382	Emission mechanism in rubrene-doped molecular organic light-emitting diodes: direct carrier recombination at luminescent centers. IEEE Journal of Selected Topics in Quantum Electronics, 1998, 4, 119-124.	1.9	147
383	Thermal and Morphological Effects on the Hydrolytic Stability of Aluminum Tris(8-hydroxyquinoline) (Alq3). Chemistry of Materials, 1998, 10, 1017-1020.	3.2	112
384	A blue electroluminescent molecular device from a tetranucluear zinc(ii) compound [Zn4O(AID)6] (AID = 7-azaindolate). Chemical Communications, 1998, , 2491-2492.	2.2	45
385	Photoluminescence quenching of Alq3 by metal deposition: A surface analytical investigation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1998, 16, 1838-1841.	0.9	29
386	Bright blue organic light-emitting diode with improved color purity using a LiF/Al cathode. Journal of Applied Physics, 1998, 84, 2324-2327.	1.1	274
387	Charge Separation in Organic Semiconductor Composites. 2. Study of the Ground State and Low-Lying Excited States Involved. Journal of Physical Chemistry B, 1998, 102, 4466-4476.	1.2	3
388	Polymeric Light Emitting Devices Utilizing Poly(phenylene oligothiophene) Derivatives. Molecular Crystals and Liquid Crystals, 1998, 316, 273-276.	0.3	0
389	Study of lasing action based on FÃ¶rster energy transfer in optically pumped organic semiconductor thin films. Journal of Applied Physics, 1998, 84, 4096-4108.	1.1	225
390	Epitaxially Driven Assembly of Crystalline Molecular Films on Ordered Substrates. Chemistry of Materials, 1998, 10, 422-437.	3.2	39
391	The Effect of Charge Transport Layers on the Electro-Optic Properties of EL Device with PPV as Emitting Layer. Molecular Crystals and Liquid Crystals, 1998, 316, 245-250.	0.3	1
392	Accurate thickness/density measurements of organic light-emitting diodes. Journal of Applied Physics, 1998, 84, 4013-4016.	1.1	20
393	Operation characteristics and degradation of organic electroluminescent devices. IEEE Journal of Selected Topics in Quantum Electronics, 1998, 4, 40-48.	1.9	92
394	Kinetics of charge carrier recombination in organic light-emitting diodes. Applied Physics Letters, 1998, 72, 513-515.	1.5	63
395	Silole-containing ïƒ- and ï€-conjugated compounds. Journal of the Chemical Society Dalton Transactions, 1998, , 3693-3702.	1.1	368
396	New organic light-emitting-diodes using benzoxazole derivatives. , 0, , .		0
398	Fabrication of highly efficient organic electroluminescent devices. Applied Physics Letters, 1998, 73, 2721-2723.	1.5	359
399	Trap states of tris-8-(hydroxyquinoline) aluminum and naphthyl-substituted benzidine derivative using thermally stimulated luminescence. Applied Physics Letters, 1998, 73, 1457-1459.	1.5	107
400	Effects of discrete trap levels on carrier transport in organic electroluminescent devices. Journal of Applied Physics, 1998, 83, 2646-2648.	1.1	9

#	Article	IF	Citations
401	Electrochemistry and Electrogenerated Chemiluminescence Processes of the Components of Aluminum Quinolate/Triarylamine, and Related Organic Light-Emitting Diodes. Journal of the American Chemical Society, 1998, 120, 9646-9655.	6.6	193
402	Energy level offset at organic semiconductor heterojunctions. Journal of Applied Physics, 1998, 83, 2649-2655.	1.1	180
403	Recent developments in molecular organic electroluminescent materials. Macromolecular Symposia, 1998, 125, 1-48.	0.4	225
404	Naphthalimide side-chain polymers for organic light-emitting diodes: Band-offset engineering and role of polymer thickness. Journal of Applied Physics, 1998, 83, 2343-2356.	1.1	97
405	Ink-jet printing of doped polymers for organic light emitting devices. Applied Physics Letters, 1998, 72, 519-521.	1.5	708
406	Zinc-Bisquinoline Coordination Assemblies of High Refractive Index and Film Uniformity. Journal of the American Chemical Society, 1998, 120, 6177-6178.	6.6	53
407	Effect of Duty Ratio of Driving Voltage on the Forming Process in Aging of Organic Electroluminescent Device*. Japanese Journal of Applied Physics, 1998, 37, 6633-6635.	0.8	5
408	Organic Light Emitting Diodes with Reduced Spectral and Spacial Halfwidths. Japanese Journal of Applied Physics, 1998, 37, 1457-1461.	0.8	24
409	Planar microfabricated polymer light-emitting diodes. Semiconductor Science and Technology, 1998, 13, 433-439.	1.0	18
410	The effect of the thicknesses of the various layers on the colour emitted by an organic electroluminescent device. Journal Physics D: Applied Physics, 1998, 31, 1257-1262.	1.3	14
411	Study of Infrared and Electronic Spectra Of N-Exadecyl-8-hydroxy-2-quinolinecarboxamide Complexes. Spectroscopy Letters, 1998, 31, 1001-1012.	0.5	1
412	Investigation of the interface formation between calcium and tris-(8-hydroxy quinoline) aluminum. Applied Physics Letters, 1998, 72, 2689-2691.	1.5	163
413	Emission process in bilayer organic light emitting diodes. Applied Physics Letters, 1998, 73, 2254-2256.	1.5	13
414	Control of microcavity effects in full color stacked organic light emitting devices. Applied Physics Letters, 1998, 73, 435-437.	1.5	83
415	Organic smart pixels. Applied Physics Letters, 1998, 73, 142-144.	1.5	330
416	Effect of well number on organic multiple-quantum-well electroluminescent device characteristics. Applied Physics Letters, 1998, 73, 3348-3350.	1.5	43
417	Energy transfer from a naphthalimide functionalized side chain polymer towards DCM used as a dopant molecule. Applied Physics Letters, 1998, 73, 879-881.	1.5	3
418	Doping effects in organic electroluminescent devices. Journal of Applied Physics, 1998, 84, 2105-2111.	1.1	58

#	Article	IF	Citations
419	Physical mechanisms in double-carrier trap-charge limited transport processes in organic electroluminescent devices: A numerical study. Journal of Applied Physics, 1998, 83, 7706-7714.	1.1	95
420	Improved red dopants for organic electroluminescent devices. Macromolecular Symposia, 1998, 125, 49-58.	0.4	127
421	Blue-green organic light-emitting diodes based on fluorene-oxadiazole compounds. Applied Physics Letters, 1998, 73, 3055-3057.	1.5	81
422	Improvement of Electrode/ Organic Layer Interfaces by the Insertion of Monolayer-like Aluminum Oxide Film. Japanese Journal of Applied Physics, 1998, 37, L872-L875.	0.8	56
423	<title>Absolute photoluminescence quantum yield of molecular organic thin films: effects of doping with strongly fluorescent rubrene</title>. , 1998, 3476, 49.		8
424	Electroluminescent Characteristics of Al tris(8-hydroxyquinoline).. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 1998, 11, 11-16.	0.1	0
425	Coordinationâ€polymer films by reactive selfâ€assembly. Macromolecular Symposia, 1998, 125, 143-150.	0.4	3
426	Improved stability of molecular organic EL devices. Macromolecular Symposia, 1998, 125, 77-82.	0.4	10
427	Metal induced photoluminescence quenching of a phenylene vinylene oligomer and its recovery. Macromolecular Symposia, 1998, 125, 83-97.	0.4	10
428	Red Organic Electroluminescent Devices Based on Novel Furan-Contained Eu Complex as an Emitting Layer. Chemistry Letters, 1998, 27, 801-802.	0.7	22
429	Electroluminescence Properties of Organic Light-Emitting-Diodewith New Benzoxazole Derivatives. IEEJ Transactions on Fundamentals and Materials, 1998, 118, 1361-1366.	0.2	0
430	Electroluminescence Properties of Three-Layered Organic Light-Emitting Diodes with a Layer of Tetraphenylchlorin or Tetraphenylporphine. Japanese Journal of Applied Physics, 1999, 38, L1472-L1474.	0.8	6
431	Evaluation of True Power Luminous Efficiency from Experimental Luminance Values. Japanese Journal of Applied Physics, 1999, 38, 2799-2803.	0.8	40
432	Efficient emissive site in organic EL device utilizing 8-hydroxyquinoline aluminium and diamine derivative. Journal Physics D: Applied Physics, 1999, 32, 87-89.	1.3	12
433	Photoluminescence Properties of Nonpolymeric Amorphous Dyes. Japanese Journal of Applied Physics, 1999, 38, 2792-2798.	0.8	13
434	A Novel Blue Light Emitting Diode Using Tris(2,3-methyl-8-hydroxyquinoline) Aluminum(III) as Emitter. Japanese Journal of Applied Physics, 1999, 38, 6762-6763.	0.8	43
435	Organic Light-Emitting Diode Using Eu3+ Polymer Complex as an Emitter. Japanese Journal of Applied Physics, 1999, 38, L46-L48.	0.8	13
436	Enhancement of electroluminescence efficiency for organic light-emitting-diodes due to the introduction of a co-evaporated layer. Journal Physics D: Applied Physics, 1999, 32, L65-L69.	1.3	17

#	Article	IF	Citations
437	Optical and electrical characteristics of organic electroluminescent devices with multiple-quantum-well structure. Journal Physics D: Applied Physics, 1999, 32, 2841-2845.	1.3	6
438	A Blue Organic Light Emitting Diode. Japanese Journal of Applied Physics, 1999, 38, 5274-5277.	0.8	168
439	Significant improvement of device durability in organic light-emitting diodes by doping both hole transport and emitter layers with rubrene molecules. Applied Physics Letters, 1999, 75, 766-768.	1.5	73
440	Current injection from a metal to a disordered hopping system. III. Comparison between experiment and Monte Carlo simulation. Physical Review B, 1999, 60, 8791-8797.	1.1	100
441	Theory of the charge-transport properties of naphthyl diamine used in organic light-emitting devices. Applied Physics Letters, 1999, 75, 2418-2420.	1.5	14
442	Interface analysis of naphthyl-substituted benzidine derivative and tris-8-(hydroxyquinoline) aluminum using ultraviolet and x-ray photoemission spectroscopy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 3429-3432.	0.9	25
443	Consistent time-of-flight mobility measurements and polymer light-emitting diode currentâ€“voltage characteristics. Applied Physics Letters, 1999, 74, 2809-2811.	1.5	147
444	Enhanced brightness and efficiency in organic electroluminescent devices using SiO2 buffer layers. Applied Physics Letters, 1999, 74, 2227-2229.	1.5	236
445	Red organic light-emitting diodes using an emitting assist dopant. Applied Physics Letters, 1999, 75, 1682-1684.	1.5	303
446	Electronic structure of tris(8-hydroxyquinoline) aluminum thin films in the pristine and reduced states. Journal of Chemical Physics, 1999, 111, 2157-2163.	1.2	138
447	Accumulation of positive charges in organic light-emitting diodes with a double-layer structure. Applied Physics Letters, 1999, 75, 1042-1044.	1.5	68
448	Optical properties of molecular organic semiconductor thin films under intense electrical excitation. Applied Physics Letters, 1999, 74, 1057-1059.	1.5	58
449	Theory of magnesium/Alq3 interaction in organic light emitting devices. Applied Physics Letters, 1999, 74, 1612-1614.	1.5	33
450	X-ray photoelectron spectroscopy and atomic force microscopy investigation of stability mechanism of tris-(8-hydroxyquinoline) aluminum-based light-emitting devices. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 2314-2317.	0.9	17
451	Bright-blue electroluminescence from a silyl-substituted ter-(phenyleneâ€“vinylene) derivative. Applied Physics Letters, 1999, 74, 865-867.	1.5	183
452	Electron drift mobility and electroluminescent efficiency of tris(8-hydroxyquinolinolato) aluminum. Applied Physics Letters, 1999, 75, 4010-4012.	1.5	107
453	Reduction of molecular aggregation and its application to the high-performance blue perylene-doped organic electroluminescent device. Applied Physics Letters, 1999, 75, 4055-4057.	1.5	71
454	Direct nanoimprint of submicron organic light-emitting structures. Applied Physics Letters, 1999, 75, 2767-2769.	1.5	112

#	Article	IF	Citations
455	Charge carrier trapping effect by luminescent dopant molecules in single-layer organic light emitting diodes. Journal of Applied Physics, 1999, 86, 1680-1687.	1.1	202
456	Enhanced hole injection in a bilayer vacuum-deposited organic light-emitting device using a p-type doped silicon anode. Applied Physics Letters, 1999, 74, 609-611.	1.5	82
457	Red organic electroluminescence devices with a reduced porphyrin compound, tetraphenylchlorin. Applied Physics Letters, 1999, 74, 2587-2589.	1.5	65
458	Influence of Thickness and Surface Pressure of Langmuir-Blodgett Films on the Efficiency of Organic Electroluminescence. Molecular Crystals and Liquid Crystals, 1999, 337, 125-128.	0.3	2
459	A Lithium Carboxylate Ultrathin Film on an Aluminum Cathode for Enhanced Electron Injection in Organic Electroluminescent Devices. Japanese Journal of Applied Physics, 1999, 38, L1348-L1350.	0.8	51
460	Time-of-Flight Measurement of Hole Mobility in Aluminum (III) Complexes. Japanese Journal of Applied Physics, 1999, 38, L1252-L1254.	0.8	31
461	Yellow green electroluminescnece generated from the thin films of Î²-diketone-zinc complex. Thin Solid Films, 1999, 346, 69-72.	0.8	8
462	Yellow organic electroluminescent device based on novel thiophene Al complex as an emitting layer. Thin Solid Films, 1999, 342, 8-10.	0.8	7
463	Langmuirâ€“Blodgett films and electroluminescent devices of amphiphilic 8-hydroxyquinoline cadmium. Applied Surface Science, 1999, 151, 67-72.	3.1	5
464	Sub-picosecond fluorescence dynamics of organic light-emitting diode tris(8-hydroxyquinoline) metal complexes. Chemical Physics Letters, 1999, 304, 10-18.	1.2	36
465	White light emitting organic electroluminescent devices using lanthanide dinuclear complexes. Journal of Luminescence, 1999, 82, 105-109.	1.5	55
466	Synthesis and characterisation of alkyl-N,Nâ€²-bis(salicylidene)ethylenediamino- and alkyl-N,Nâ€²-bis(salicylidene)-1,2-phenylenediaminogallium or indium complexes: crystal structure of methyl-N,Nâ€²-bis(salicylidene)-1,2-phenylenediaminoindium. Journal of Organometallic Chemistry, 1999, 590, 242-247.	0.8	25
467	Electroluminescence in conjugated polymers. Nature, 1999, 397, 121-128.	13.7	5,746
468	Photoluminescence quantum yield of pure and molecularly doped organic solid films. Journal of Applied Physics, 1999, 86, 2642-2650.	1.1	192
469	A new diamine as the hole-transporting material for organic light-emitting diodes. Advanced Materials for Optics and Electronics, 1999, 9, 189-194.	0.6	13
470	Reddish Organic Light Electroluminescent Device with DPP Emitting Layer. Physica Status Solidi A, 1999, 173, 491-494.	1.7	3
471	Reduction of Aromatic Nitro Compounds with Hydrazine Hydrate over a CeO2â€“SnO2 Catalyst. Journal of Chemical Research Synopses, 1999, , 674-675.	0.3	15
472	Electroluminescence of organic light emitting diodes with alternately deposited dye-doped aluminium quinoline and diamine derivative. Journal Physics D: Applied Physics, 1999, 32, 1198-1203.	1.3	14

#	Article	IF	Citations
473	Organic light-emitting diodes with a bipolar transport layer. Applied Physics Letters, 1999, 75, 172-174.	1.5	151
474	White-light-emitting organic electroluminescent devices based on interlayer sequential energy transfer. Applied Physics Letters, 1999, 75, 888-890.	1.5	314
475	Electroabsorption spectroscopy on tris-(8-hydroxyquinoline) aluminum-based light emitting diodes. Journal of Applied Physics, 1999, 86, 4978-4984.	1.1	68
476	Organic molecular beam deposition: technology and applications in electronics and photonics Invited Lecture. Physical Chemistry Chemical Physics, 1999, 1, 1719-1725.	1.3	20
477	X-ray photoemission and photoabsorption of organic electroluminescent materials. Journal of Applied Physics, 1999, 86, 88-93.	1.1	37
478	Light-emitting diode device from a luminescent organocopper(I) compound. New Journal of Chemistry, 1999, 23, 263-265.	1.4	62
479	Composite thin films of CdSe nanocrystals and a surface passivating/electron transporting block copolymer: Correlations between film microstructure by transmission electron microscopy and electroluminescence. Journal of Applied Physics, 1999, 86, 4390-4399.	1.1	103
480	Electrophosphorescence in organic light emitting diodes. Current Opinion in Solid State and Materials Science, 1999, 4, 369-372.	5.6	82
481	Light emitting devices from organic charge transfer adduct thin films. Materials Letters, 1999, 40, 285-293.	1.3	8
482	Temperature dependence of the singlet excited state lifetime in alq3. Synthetic Metals, 1999, 102, 1552-1553.	2.1	23
483	Influence of the metal center on the morphology of coordination compounds thin films. Synthetic Metals, 1999, 101, 140-141.	2.1	10
484	Blue light-emitting diodes based on coronene-doped polymers. Synthetic Metals, 1999, 105, 49-53.	2.1	22
485	Blue organic electroluminescence of 1,3,5-triaryl-2-pyrazoline. Synthetic Metals, 1999, 105, 141-144.	2.1	36
486	Reliability comparison of BTEL and bilayer organic LEDs. Synthetic Metals, 1999, 107, 53-56.	2.1	5
487	Carrier transport in thin films of organic electroluminescent materials. Synthetic Metals, 1999, 107, 107-109.	2.1	92
488	Chapter 5 Molecular Organic Light-Emitting Devices. Semiconductors and Semimetals, 1999, 64, 255-306.	0.4	18
489	A Molecular Orbital Study on the Hole Transport Property of Organic Amine Compounds. Journal of Physical Chemistry A, 1999, 103, 5551-5556.	1.1	253
490	Schottky energy barriers and charge injection in metal/Alq/metal structures. Applied Physics Letters, 1999, 74, 561-563.	1.5	92

#	Article	IF	Citations
491	Effects of discrete trap levels on organic light emitting diodes. Journal of Applied Physics, 1999, 85, 2699-2705.	1.1	53
492	Electroluminescence in organics. Journal Physics D: Applied Physics, 1999, 32, R179-R250.	1.3	205
493	A quantitative numerical model of multilayer vapor-deposited organic light emitting diodes. Journal of Applied Physics, 1999, 86, 3895-3910.	1.1	191
494	Microcavity organic light-emitting diodes for strongly directed pure red, green, and blue emissions. Journal of Applied Physics, 1999, 86, 2407-2411.	1.1	86
495	Interfacial electronic structures in an organic light-emitting diode. Applied Physics Letters, 1999, 74, 670-672.	1.5	218
496	Photo-Cross-Linked Triphenylenes as Novel Insoluble Hole Transport Materials in Organic LEDs. Macromolecules, 1999, 32, 4551-4557.	2.2	106
497	High Quantum Efficiency in Organic Light-Emitting Devices with Iridium-Complex as a Triplet Emissive Center. Japanese Journal of Applied Physics, 1999, 38, L1502-L1504.	0.8	190
498	The Physicochemical Origins of Coincident Epitaxy in Molecular Overlayers:Â Lattice Modeling vs Potential Energy Calculations. Journal of Physical Chemistry B, 1999, 103, 6723-6733.	1.2	47
499	Improved energy transfer in electrophosphorescent devices. Applied Physics Letters, 1999, 74, 442-444.	1.5	680
500	Bright red lightâ€emitting organic electroluminescent devices based on a novel thiopheneâ€containing europium complex as an emitting layer. Journal of Materials Chemistry, 1999, 9, 3023-3026.	6.7	52
501	Novel Layer-by-layer Complexation Technique and Properties of the Fabricated Films. Chemistry of Materials, 1999, 11, 2250-2256.	3.2	49
502	Energy and charge transfer in organic light-emitting diodes: A soluble quinacridone study. Journal of Applied Physics, 1999, 85, 7939-7945.	1.1	129
503	Excitonic singlet-triplet ratio in a semiconducting organic thin film. Physical Review B, 1999, 60, 14422-14428.	1.1	1,002
504	Efficient, Saturated Red Organic Light Emitting Devices Based on Phosphorescent Platinum(II) Porphyrins. Chemistry of Materials, 1999, 11, 3709-3713.	3.2	303
505	Chapter 4 Organic LED System Considerations. Semiconductors and Semimetals, 1999, , 209-254.	0.4	20
506	Energy and Charge Transfer in Electroluminescent Polymer/Porphyrin Blends. Materials Research Society Symposia Proceedings, 1999, 558, 325.	0.1	2
507	Energy and Charge Transfer in Electroluminescent Polymer/Porphyrin Blends. Materials Research Society Symposia Proceedings, 1999, 560, 303.	0.1	2
508	HIGH EFFICIENCY WHITE ORGANIC LIGHT EMITTING DEVICES. Digest of Technical Papers SID International Symposium, 1999, 30, 442.	0.1	8

#	Article	IF	Citations
509	Synthesis and Characterization of Some New Metal-Containing Polymers for Third Order Nonlinear Optical Applications. Materials Research Society Symposia Proceedings, 1999, 561, 93.	0.1	1
510	Organic electroluminescent devices. , 1999, , 91-100.		4
511	Effects of Hole Transport Layers on the Characteristics of Organic Light Emitting Diodes. Journal of the Japan Society of Colour Material, 1999, 72, 733-738.	0.0	1
513	Monolayer and LB Films of Amphiphilic 8-Hydroxyquinoline Derivatives. Molecular Crystals and Liquid Crystals, 2000, 338, 117-124.	0.3	1
514	Characteristics and Stability of Organic EL Device using a Polymer Hole Transport Material Doped by Fluorescent Dye. Molecular Crystals and Liquid Crystals, 2000, 349, 479-482.	0.3	0
515	Optical Modeling of Organic Light-Emitting Diode Multilayer Device Structures. Materials Research Society Symposia Proceedings, 2000, 660, .	0.1	0
516	Low Driving Voltage of Organic Light-Emitting Diodes Using p-Doping Starburst Amine as Hole Transporter. Materials Research Society Symposia Proceedings, 2000, 660, .	0.1	0
517	Fluorescence Lifetime of Trisâ€(8â€Hydroquinoline) Aluminum Thin Film and Solution. Journal of the Chinese Chemical Society, 2000, 47, 875-879.	0.8	12
518	Toward New Materials for Organic Electroluminescent Devices: Synthesis, Structures, and Properties of a Series of 2, 5-Diaryl-3,4-diphenylsiloles. Chemistry - A European Journal, 2000, 6, 1683-1692.	1.7	72
519	Electroluminescent devices based on polymers forming hole-transporting layers. II. Polyimides containing ?-naphthyldiphenylamine units. Journal of Polymer Science Part A, 2000, 38, 2032-2040.	2.5	17
520	Improvement of electrode/organic layer interfaces by insertion of monolayerlike aluminum oxide film. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2000, 132, 14-18.	0.2	4
521	Blue electroluminescence from tris-(8-hydroxyquinoline) aluminum thin film. Chemical Physics Letters, 2000, 325, 420-424.	1.2	41
522	Effect of charging on electronic structure of the Alq3 molecule: the identification of carrier transport properties. Chemical Physics Letters, 2000, 326, 413-420.	1.2	22
523	Synthesis and characterization of dialkylgallium (dialkylindium) complexes of N-salicylidene 2-aminopyridine and N-salicylidene 2-methoxyaniline: crystal structure of dimethyl[N-salicylidene 2-aminopyridine]gallium. Journal of Organometallic Chemistry, 2000, 605, 234-238.	0.8	49
524	Color-variable electroluminescence from poly(p-phenylene vinylene) derivatives. Displays, 2000, 21, 65-68.	2.0	8
525	Organic polymer thick film light emitting diodes (PTF-OLED). Displays, 2000, 21, 199-201.	2.0	17
526	Processes for high efficiency of organic EL devices with dopants. Thin Solid Films, 2000, 363, 21-24.	0.8	26
527	Efficient and stable organic light-emitting diodes with a sputter-deposited cathode. Thin Solid Films, 2000, 363, 47-50.	0.8	10

#	Article	IF	Citations
528	Electronic structure and energy level alignment of Alq3/Al2O3/Al and Alq3/Al interfaces studied by ultraviolet photoemission spectroscopy. Thin Solid Films, 2000, 363, 178-181.	0.8	38
529	Doped LED polymers containing novel luminescent bispyridyl compounds. Thin Solid Films, 2000, 363, 81-85.	0.8	8
530	Langmuirâ€“Blodgett films and electroluminescent devices of amphiphilic 8-hydroxyquinoline magnesium. Thin Solid Films, 2000, 363, 134-137.	0.8	2
531	Blue polymer light emitting diode based on ladder poly(para-phenylene). Thin Solid Films, 2000, 363, 211-213.	0.8	3
532	Photostability and morphological stability of hole transporting materials used in organic electroluminescence. Thin Solid Films, 2000, 372, 265-270.	0.8	37
533	Interfacial charges and electric field distribution in organic hetero-layer light-emitting devices. Organic Electronics, 2000, 1, 41-47.	1.4	114
534	Photo-physical and lasing characterization of an aromatic diamine-xylylene copolymer. Optical Materials, 2000, 15, 225-235.	1.7	13
535	Electroplex emission from a layer of a mixture of a europium complex and tris(8-quinolinolato) aluminum. Applied Surface Science, 2000, 161, 443-447.	3.1	39
536	Femtosecond fluorescence upconversion spectroscopy of vapor-deposited tris(8-hydroxyquinoline) aluminum films. Chemical Physics, 2000, 254, 319-327.	0.9	18
537	High-efficiency fluorescent organic light-emitting devices using a phosphorescent sensitizer. Nature, 2000, 403, 750-753.	13.7	1,968
538	Explanation for fracture spacing in layered materials. Nature, 2000, 403, 753-756.	13.7	233
539	Single-layer organic light-emitting diode with 2.0% external quantum efficiency prepared by spin-coating. Chemical Physics Letters, 2000, 320, 387-392.	1.2	44
540	Synthesis and electro-optical properties of electroluminescent polymers containing carbazole unit. European Polymer Journal, 2000, 36, 957-963.	2.6	29
541	The efficient blue photoluminescence of pyrazolo-[3,4-b]-quinoline derivatives and the energy transfer in polymer matrices. Journal of Luminescence, 2000, 86, 1-14.	1.5	68
542	Effect of TPD films as electron blocking layer on EL spectrum. Displays, 2000, 21, 61-63.	2.0	3
543	Organic materials for electronic and optoelectronic devices. Journal of Materials Chemistry, 2000, 10, 1-25.	6.7	1,582
544	Optical Modeling of Organic Light-Emitting Diode Multilayer Device Structures. Materials Research Society Symposia Proceedings, 2000, 660, 1.	0.1	0
545	Low Driving Voltage of Organic Light-Emitting Diodes Using p-Doping Starburst Amine as Hole Transporter. Materials Research Society Symposia Proceedings, 2000, 660, 1.	0.1	0

#	Article	IF	Citations
546	Study on the Optical and Electrical Properties of Eu Complex in Organic Electroluminescent Devices. Molecular Crystals and Liquid Crystals, 2000, 349, 409-412.	0.3	0
547	Organic Light-Emitting Devices Patterned by Screen-Printing. Japanese Journal of Applied Physics, 2000, 39, L942-L944.	0.8	31
548	New Red Electroluminescent Devices Using Tris(2,2'-bipyridine) Ruthenium (II) Hexafluorophosphate as Emitter. Japanese Journal of Applied Physics, 2000, 39, L1171-L1173.	0.8	12
549	Excitation Migration from Photoexcited Tris(8-hydroxyquinolino)aluminium to Quinacridone in Codeposited Thin Films. Japanese Journal of Applied Physics, 2000, 39, 5297-5300.	0.8	19
550	Effects of the hole barrier in bilayer organic light-emitting devices. Journal Physics D: Applied Physics, 2000, 33, 1768-1772.	1.3	11
551	Transport in n[sup +](p[sup +]) Siâ€“AlQâ€“Al junctions. Journal of Applied Physics, 2000, 88, 4739.	1.1	3
552	Synthesis and Characterization and Monolayers of Amphiphilic Complexes with 8-Hydroxyquinoline. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2000, 30, 1-17.	1.8	5
553	Bipolar transport organic light emitting diodes with enhanced reliability by LiF doping. Applied Physics Letters, 2000, 76, 958-960.	1.5	40
554	Highly efficient blue-green emission from organic light-emitting diodes using dibenzochrysene derivatives. Applied Physics Letters, 2000, 77, 160-162.	1.5	35
555	Influence of copper phthalocynanine on the charge injection and growth modes for organic light emitting diodes. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 1869-1874.	0.9	52
556	Bright red organic light-emitting diodes doped with a fluorescent dye. Applied Physics Letters, 2000, 77, 3272-3274.	1.5	55
557	Direct evidence for interaction of magnesium with tris(8-hydroxy-quinoline) aluminum. Applied Physics Letters, 2000, 76, 1422-1424.	1.5	41
558	Luminescence of dye-doped polymer films induced by corona discharge. Journal of Applied Physics, 2000, 88, 5791-5795.	1.1	0
559	Operating lifetime of phosphorescent organic light emitting devices. Applied Physics Letters, 2000, 76, 2493-2495.	1.5	127
560	Electrical characteristics of light-emitting electrochemical cells based on a wide bandgap polymer. Physical Review B, 2000, 61, 266-271.	1.1	12
561	Unusual disparity in electroluminescence and photoluminescence spectra of vacuum-evaporated films of 1,1-bis ((di-4-tolylamino) phenyl) cyclohexane. Applied Physics Letters, 2000, 76, 2352-2354.	1.5	169
562	Direct measurement of internal potential distribution in organic electroluminescent diodes during operation. Applied Physics Letters, 2000, 76, 1336-1338.	1.5	26
563	Sharp green electroluminescence from 1H-pyrazolo[3,4-b]quinoline-based light-emitting diodes. Applied Physics Letters, 2000, 77, 1575-1577.	1.5	82

#	Article	IF	Citations
564	Carrier transport in organic alloy light emitting diodes. Journal of Applied Physics, 2000, 87, 3891-3895.	1.1	8
565	40.1: Invited Paper : Active Matrix Low Temperature Polyâ€Si TFT / OLED Full Color Displays: Development Status. Digest of Technical Papers SID International Symposium, 2000, 31, 974-977.	0.1	73
566	Distribution of Average Electric Field in tris-(8-hydroxyquinoline)aluminum and 4,4â€²-bis[N-(1-naphthyl)-N-phenylamino]-biphenyl-based Double-Layer Light-Emitting Diodes. Japanese Journal of Applied Physics, 2000, 39, 1382-1386.	0.8	11
567	Efficient and durable organic alloys for electroluminescent displays. Journal Physics D: Applied Physics, 2000, 33, 760-763.	1.3	30
568	Correlation between Molecular Packing and Optical Properties in Different Crystalline Polymorphs and Amorphous Thin Films ofmer-Tris(8-hydroxyquinoline)aluminum(III). Journal of the American Chemical Society, 2000, 122, 5147-5157.	6.6	565
569	Design of conjugated molecular materials for optoelectronics. Journal of Materials Chemistry, 2000, 10, 157-161.	6.7	213
570	Travelling-wave lasing of TPD solutions and neat films. Synthetic Metals, 2000, 113, 281-287.	2.1	46
571	Optical Absorption in AlQ. Synthetic Metals, 2000, 114, 133-137.	2.1	27
572	Green electroluminescence generated from the thin film based on a soluble lanthanide complex. Synthetic Metals, 2000, 114, 373-375.	2.1	29
573	Improved efficiency of molecular organic EL devices based on super molecular structure. Synthetic Metals, 2000, 111-112, 109-112.	2.1	15
574	Electron injection into an Alq3 single-layer organic light-emitting diode. Synthetic Metals, 2000, 111-112, 327-330.	2.1	17
575	Effect of location and width of doping region on efficiency in doped organic light-emitting diodes. Synthetic Metals, 2000, 111-112, 87-90.	2.1	14
576	Transient behaviour of charge carriers in multilayer organic light-emitting diodes: experiment and theory. Synthetic Metals, 2000, 111-112, 263-267.	2.1	10
577	Alq3/PVK heterojunction electroluminescent devices. Synthetic Metals, 2000, 111-112, 105-108.	2.1	22
578	Organic light-emitting diodes using novel metalâ€“chelate complexes. Synthetic Metals, 2000, 111-112, 393-396.	2.1	47
579	White light emission from OEL devices based on organic dysprosium-complex. Synthetic Metals, 2000, 111-112, 43-45.	2.1	34
580	Novel red organic electroluminescent materials including perylene moiety. Synthetic Metals, 2000, 111-112, 57-61.	2.1	28
581	Emission shift by recombination effect in a three-layered oeld. Synthetic Metals, 2000, 111-112, 63-67.	2.1	9

#	Article	IF	Citations
582	Activation energies in organic light emitting diodes comprising ohmic contacts both for electron and hole injection. Synthetic Metals, 2000, 111-112, 69-73.	2.1	15
583	Structures for organic diode lasers and optical properties of organic semiconductors under intense optical and electrical excitations. IEEE Journal of Quantum Electronics, 2000, 36, 18-26.	1.0	137
584	The electroluminescence of organic materials. Journal of Materials Chemistry, 2000, 10, 1471-1507.	6.7	1,692
585	Hole blocking in carbon nanotubeâ€“polymer composite organic light-emitting diodes based on poly (m-phenylene vinylene-co-2, 5-dioctoxy-p-phenylene vinylene). Applied Physics Letters, 2000, 77, 1393-1395.	1.5	128
586	Transient analysis of organic electrophosphorescence. II.â€ƒTransient analysis of triplet-triplet annihilation. Physical Review B, 2000, 62, 10967-10977.	1.1	1,276
587	A Novel Class of Emitting Amorphous Molecular Materials as Bipolar Radical Formants:Â 2-{4-[Bis(4-methylphenyl)amino]phenyl}- 5-(dimesitylboryl)thiophene and 2-{4-[Bis(9,9-dimethylfluorenyl)amino]phenyl}- 5-(dimesitylboryl)thiophene. Journal of the American Chemical Society, 2000, 122, 11021-11022.	6.6	357
588	Tuning the Carrier Injection Efficiency for Organic Light-Emitting Diodesâ€. Journal of Physical Chemistry B, 2000, 104, 3948-3952.	1.2	120
589	Micropatterning of Organic Electronic Devices by Cold-Welding. Science, 2000, 288, 831-833.	6.0	239
590	Molecular and solid-state properties of tris-(8-hydroxyquinolate)-aluminum. Physical Review B, 2000, 61, 15804-15811.	1.1	141
591	Efficient red electroluminescence from devices having multilayers of a europium complex. Applied Physics Letters, 2000, 77, 4271-4273.	1.5	60
592	Soluble Europium Complexes for Light-Emitting Diodes. Chemistry of Materials, 2000, 12, 2537-2541.	3.2	81
593	Transient analysis of organic electrophosphorescence: I.â€ƒTransient analysis of triplet energy transfer. Physical Review B, 2000, 62, 10958-10966.	1.1	481
594	Improved external coupling efficiency in organic light-emitting devices on high-index substrates. , 0, , .		3
595	A mixed pyridineâ€“phenol boron complex as an organic electroluminescent material. Chemical Communications, 2000, , 1551-1552.	2.2	84
596	Dendrimer-Containing Light-Emitting Diodes:Â Toward Site-Isolation of Chromophores. Journal of the American Chemical Society, 2000, 122, 12385-12386.	6.6	224
597	Blue Light-Emitting Diodes Based on Dipyrazolopyridine Derivatives. Chemistry of Materials, 2000, 12, 2788-2793.	3.2	67
598	1.54 Î¼m infrared photoluminescence and electroluminescence from an erbium organic compound. Journal of Applied Physics, 2000, 87, 7589-7591.	1.1	123
599	Semitransparent cathodes for organic light emitting devices. Journal of Applied Physics, 2000, 87, 3080-3085.	1.1	110

#	Article	IF	Citations
600	Organic solid-state lasers. Reports on Progress in Physics, 2000, 63, 729-762.	8.1	143
601	Hydroxyphenyl-pyridine Beryllium Complex (Bepp2) as a Blue Electroluminescent Material. Chemistry of Materials, 2000, 12, 2672-2675.	3.2	72
602	Synthesis of novel (bis)(diarylamino)thiophenes via palladium-catalysed reaction of (di)bromothiophenes with diarylamines. Chemical Communications, 2000, , 133-134.	2.2	66
603	A calix[4]arene receptor modified with 8-hydroxyquinoline for supramolecular energy transfer. New Journal of Chemistry, 2000, 24, 841-844.	1.4	33
604	Electroluminescence emission pattern of organic light-emitting diodes: Implications for device efficiency calculations. Journal of Applied Physics, 2000, 88, 1073-1081.	1.1	434
605	Effects of Systematic Methyl Substitution of Metal (III) Tris(n-Methyl-8-Quinolinolato) Chelates on Material Properties for Optimum Electroluminescence Device Performance. Journal of the American Chemical Society, 2001, 123, 6300-6307.	6.6	207
606	Bright white organic light-emitting diode. Applied Physics Letters, 2001, 79, 4234-4236.	1.5	175
607	Fine tuning work function of indium tin oxide by surface molecular design: Enhanced hole injection in organic electroluminescent devices. Applied Physics Letters, 2001, 79, 272-274.	1.5	194
608	Organic and polymer-based light-emitting diodes. , 2001, , 1-51.		10
609	A new crystalline phase of the electroluminescent material tris(8-hydroxyquinoline) aluminum exhibiting blueshifted fluorescence. Journal of Chemical Physics, 2001, 114, 9625-9632.	1.2	130
610	Direct interband transitions in tris-(8-hydroxyquinoline) aluminum thin films. Journal of Applied Physics, 2001, 89, 1082-1086.	1.1	18
611	Performance of high-efficiency AMOLED displays. Journal of the Society for Information Display, 2001, 9, 191-195.	0.8	29
612	Efficient Light Harvesting by Sequential Energy Transfer across Aggregates in Polymers of Finite Conjugational Segments with Short Aliphatic Linkages. Journal of the American Chemical Society, 2001, 123, 11388-11397.	6.6	99
613	Material transport regimes and mechanisms for growth of molecular organic thin films using low-pressure organic vapor phase deposition. Journal of Applied Physics, 2001, 89, 1470-1476.	1.1	112
614	Voltage evolution of the recombination zone and emission quantum yield in organic light-emitting diodes with doped and undoped emitter layers. Journal Physics D: Applied Physics, 2001, 34, 3130-3138.	1.3	11
615	Improvement of efficiency and colour purity of red-dopant organic light-emitting diodes by energy levels matching with the host materials. Journal Physics D: Applied Physics, 2001, 34, 30-35.	1.3	55
616	Electron mobility in tris(8-hydroxy-quinoline)aluminum thin films determined via transient electroluminescence from single- and multilayer organic light-emitting diodes. Journal of Applied Physics, 2001, 89, 3711-3719.	1.1	204
617	Theory of emission state of tris(8-quinolinolato)aluminum and its related compounds. Journal of Applied Physics, 2001, 90, 6092-6097.	1.1	44

#	Article	IF	Citations
618	Rare Earth Phosphors: Fundamentals and Applications. , 2001, , 8026-8033.		13
619	A New Family of Red Dopants Based on Chromene-Containing Compounds for Organic Electroluminescent Devices. Chemistry of Materials, 2001, 13, 1565-1569.	3.2	140
620	Temperature dependence of electroluminescence in a tris-(8-hydroxy) quinoline aluminum (Alq/sub 3/) light emitting diode. IEEE Journal of Quantum Electronics, 2001, 37, 807-812.	1.0	13
621	A dye/polymer based solid state thin film photoelectrochemical cell used for light detection. Synthetic Metals, 2001, 118, 19-23.	2.1	12
622	Improved color purity and efficiency of blue organic light-emitting diodes via suppression of exciplex formation. Synthetic Metals, 2001, 118, 193-196.	2.1	31
623	A new blue light-emitting material. Synthetic Metals, 2001, 117, 211-214.	2.1	60
624	Organic light emitting diodes fabricated with single wall carbon nanotubes dispersed in a hole conducting buffer: the role of carbon nanotubes in a hole conducting polymer. Synthetic Metals, 2001, 116, 369-372.	2.1	157
625	Photoluminescent and electroluminescent properties of phenol-pyridine beryllium and carbonyl polypyridyl Re(I) complexes codeposited films. Synthetic Metals, 2001, 118, 175-179.	2.1	53
626	Design and synthesis of a novel red electroluminescent dye. Synthetic Metals, 2001, 123, 43-46.	2.1	38
627	Optical spectroscopy of unsolvated and solvated crystalline Alq3. Synthetic Metals, 2001, 122, 31-35.	2.1	29
628	Optical absorption in Alq. Synthetic Metals, 2001, 122, 53-54.	2.1	6
629	Charge-carrier injection into CuPc thin films: a scanning tunneling microscopy study. Synthetic Metals, 2001, 122, 73-77.	2.1	32
630	Transport in c-Si/Alq/Al structures. Synthetic Metals, 2001, 122, 181-183.	2.1	0
631	Organic electroluminescent device fabricated with chemical vapor deposited bis(8-hydroxy-5-quinolyl)-methane aluminum chelate polymer film. Synthetic Metals, 2001, 123, 239-243.	2.1	9
632	Electroluminescence of a novel europium complex. Synthetic Metals, 2001, 123, 377-379.	2.1	9
633	Organic light-emitting device with a mixed ligand 8-quinolinolato aluminium chelate as emitting and electron transporting material. Synthetic Metals, 2001, 123, 529-533.	2.1	9
634	Photoluminescence and electroluminescence properties of a novel derivative of 2,6-linked quinquepyridine. Synthetic Metals, 2001, 124, 275-278.	2.1	2
635	Time-resolved fluorescence studies of degradation in tris(8-hydroxyquinoline) aluminum (AlQ3)-based organic light emitting devices (OLEDs). Synthetic Metals, 2001, 123, 179-181.	2.1	58

#	Article	IF	Citations
636	Transient and steady-state behavior of space charges in multilayer organic light-emitting diodes. Journal of Applied Physics, 2001, 89, 4575-4586.	1.1	258
637	Tervalent Conducting Polymers with Tailor-Made Work Functions:Â Preparation, Characterization, and Applications as Cathodes in Electroluminescent Devices. Journal of the American Chemical Society, 2001, 123, 9436-9442.	6.6	13
638	Very-low-operating-voltage organic light-emitting diodes using a p-doped amorphous hole injection layer. Applied Physics Letters, 2001, 78, 410-412.	1.5	305
639	Exciton Dynamics in Organic Semiconductor Devices: Investigation of Exciton-Charge Carrier Interactions as Revealed by Photoluminescence Responses. Japanese Journal of Applied Physics, 2001, 40, L1068-L1070.	0.8	22
640	Electronic Excitation Energy Transfer in a Novel Organic Electroluminescent Material. Molecular Crystals and Liquid Crystals, 2001, 361, 263-268.	0.3	7
641	External coupling efficiency in planar organic light-emitting devices. Applied Physics Letters, 2001, 78, 1927-1929.	1.5	66
642	High-performance blue electroluminescent devices based on hydroxyphenyl-pyridine beryllium complex. Applied Physics Letters, 2001, 78, 2300-2302.	1.5	83
643	Influence of trapped and interfacial charges in organic multilayer light-emitting devices. IBM Journal of Research and Development, 2001, 45, 77-88.	3.2	43
644	Influence of trapped and interfacial charges in organic multilayer light-emitting devices. Journal of Applied Physics, 2001, 89, 1704.	1.1	147
645	Organic Light-Emitting Diodes Based on 2-(Stilben-4-yl)benzoxazole Derivatives:Â An Implication on the Emission Mechanism. Chemistry of Materials, 2001, 13, 2441-2446.	3.2	77
646	Hole Transport Molecules in HighTgPolymers:Â Their Effect on the Performance of Organic Light-Emitting Diodes. Chemistry of Materials, 2001, 13, 1739-1745.	3.2	29
647	Femtosecond Fluorescence Anisotropy Studies of Solvation-Induced Intraligand Charge Transfer in Photoexcited Aluminum(III) Tris(8-hydroxyquinoline). Journal of Physical Chemistry A, 2001, 105, 1687-1692.	1.1	25
648	Organic Light Emitting Diodes(OLEDs) with Oligothiophene and Silicon Monoxide. Molecular Crystals and Liquid Crystals, 2001, 371, 171-176.	0.3	2
649	Analysis of carrier behavior in organic light-emitting-diode by computer simulation on the basis of hopping conduction. IEEJ Transactions on Fundamentals and Materials, 2001, 121, 332-337.	0.2	0
650	INTERFACES IN ORGANIC LIGHT-EMITTING DEVICES. , 2001, , 285-327.		5
651	Polymer Light Emitting Diodes, Inkjet Printing of. , 2001, , 7381-7383.		0
652	Improvement of Power Efficiency in Organic Electroluminescent Devices. Materials Research Society Symposia Proceedings, 2001, 708, 3211.	0.1	0
653	Electrical and Optical Studies of the Organic Thin Film Devices Produced by Cluster Beam Deposition Methods. Materials Research Society Symposia Proceedings, 2001, 667, 1.	0.1	0

#	Article	IF	Citations
654	Chemical modification of indium-tin-oxide electrodes by surface molecular design. Materials Research Society Symposia Proceedings, 2001, 708, 3221.	0.1	2
655	Highly efficient and bright organic light-emitting devices using a Sn/Al cathode. , 2001, , .		0
656	The Use of LB Insulating Layers to Improve the Efficiency of Light Emitting Diodes Based on Evaporated Molecular Films. Studies in Interface Science, 2001, 11, 175-183.	0.0	1
657	Effects of doping in organic electroluminescent devices doped with a fluorescent dye. Journal of Information Display, 2001, 2, 1-5.	2.1	4
658	Organic quantum well EL device with a novel characteristic. , 2001, , .		1
659	38.1: Invited Paper: Manufacturing of Passive Matrix OLED-Organic Light Emitting Display. Digest of Technical Papers SID International Symposium, 2001, 32, 1040.	0.1	10
660	Combined photoelectron and metastable atom electron spectroscopy study of n-doped oligophenylene thin films. Applied Surface Science, 2001, 175-176, 764-768.	3.1	13
661	Study of energy transfer from excited TPD to Alq in organic electroluminescent devices by timeâ€resolved fluorescence spectroscopy using a scanning nearâ€field optical atomic force microscope. Journal of Microscopy, 2001, 202, 395-400.	0.8	6
662	A new pyridylamine for blue light electroluminescent devices. Tetrahedron Letters, 2001, 42, 7915-7917.	0.7	15
663	Electroluminescent properties of the Trisâ€“(acetylsalicylate)â€“terbium (Tb(AS)3). Thin Solid Films, 2001, 396, 192-196.	0.8	9
664	Synthesis and electroluminescence properties of ortho -, meta - and para -linked polymers containing oxadiazole unit. Polymer, 2001, 42, 4803-4811.	1.8	21
665	Organic EL element manufacturing technologies. Displays, 2001, 22, 57-59.	2.0	4
666	A new blue-emitting benzothiazole derivative for organic electroluminescent devices. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 85, 182-185.	1.7	41
667	Synthesis of polymers with isolated thiophene-arylidene-thiophene chromophores for enhanced and specific electron/hole transport. Journal of Polymer Science Part A, 2001, 39, 872-879.	2.5	11
669	Organic Light-Emitting Materials Based on Bis(arylacetylide)platinum(II) Complexes Bearing Substituted Bipyridine and Phenanthroline Ligands: Photo- and Electroluminescence from3MLCT Excited States. Chemistry - A European Journal, 2001, 7, 4180-4190.	1.7	355
670	Nickel-Catalyzed Highly Regio- and Stereoselective Cyclization of Oxanorbornenes with Alkyl Propiolates: A Novel Method for the Synthesis of Benzocoumarin Derivatives. Angewandte Chemie - International Edition, 2001, 40, 1286-1288.	7.2	74
671	Synthesis and characterization of color tunable electro-luminescent polymer by blending oxadiazole containing polymer. European Polymer Journal, 2001, 37, 921-925.	2.6	24
672	Fluorescence stability of 8-hydroxyquinoline aluminum. Chemical Physics Letters, 2001, 333, 207-211.	1.2	6

#	Article	IF	Citations
673	Local order in amorphous organic molecular thin films. Chemical Physics Letters, 2001, 347, 297-303.	1.2	66
674	Patterning a Conjugated Molecular Thin Film at Submicron Scale by Modified Microtransfer Molding. Nano Letters, 2001, 1, 193-195.	4.5	51
675	Organic low-dimensional structure electroluminescent material characteristics and devices. Optical and Quantum Electronics, 2001, 33, 1163-1171.	1.5	28
676	Study on Photoconductivity of Dye-Polymer-Based Solid-State Thin Film. Applied Biochemistry and Biotechnology, 2001, 96, 055-062.	1.4	6
677	Surface reactions of singlet excitons in solid films of 8-hydroxyquinoline aluminium (Alq3). Chemical Physics, 2001, 266, 85-96.	0.9	20
678	Device physics of organic light-emitting diodes based on molecular materials. Organic Electronics, 2001, 2, 1-36.	1.4	582
679	Efficient electrophosphorescence using a doped ambipolar conductive molecular organic thin film. Organic Electronics, 2001, 2, 37-43.	1.4	189
680	Electroluminescent properties of a derivative of quinquepyridine. Chemical Physics Letters, 2001, 343, 201-204.	1.2	2
681	Dependence of the current and power efficiencies of organic light-emitting diode on the thickness of the constituent organic layers. IEEE Transactions on Electron Devices, 2001, 48, 2131-2137.	1.6	59
682	Red-Light-Emitting Organic Electroluminescent Devices with Bisanil Dye as Emitter. Japanese Journal of Applied Physics, 2001, 40, 3201-3205.	0.8	39
683	ELECTRICAL TRANSPORT IN ORGANIC SEMICONDUCTORS. International Journal of High Speed Electronics and Systems, 2001, 11, 585-615.	0.3	8
684	Electroluminescent Properties in Organic Light-Emitting Diode Doped with Two Guest Dyes. Japanese Journal of Applied Physics, 2001, 40, 5346-5349.	0.8	21
685	Science and Technology at the Nanometer Scale Using Vacuum-Deposited Organic Thin Films. MRS Bulletin, 2001, 26, 108-112.	1.7	21
686	Injection-controlled electroluminescence in organic light-emitting diodes based on molecularly-doped polymers: II. Double-layer devices. Journal Physics D: Applied Physics, 2001, 34, 2282-2295.	1.3	15
687	Transient brightness, current, and voltage characterization of organic light emitting devices. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 546.	1.6	0
688	5.1: Invited Paper: History and Status of Organic Light Emitting Device (OLED) Technology for Vehicular Applications. Digest of Technical Papers SID International Symposium, 2001, 32, 22.	0.1	10
689	Analysis of Potential Distribution and Currentâ€“Voltage Characteristic in Polyimide Langmuirâ€“Blodgett Films. Japanese Journal of Applied Physics, 2001, 40, 4575-4580.	0.8	7
690	Cosmic vacuum. Physics-Uspekhi, 2001, 44, 1099-1118.	0.8	78

#	Article	IF	Citations
691	Effect of Lithium Perchlorate Doping and Prebiasing on Electrical Conduction of Molecularly Doped Poly (N-vinylcarbazole) Light Emitting Diode. Japanese Journal of Applied Physics, 2001, 40, 862-866.	0.8	4
692	Efficient Electroluminescence from a Rubrene Sub-Monolayer Inserted between Electron- and Hole-Transport Layers. Japanese Journal of Applied Physics, 2001, 40, 3211-3214.	0.8	41
693	Manifestation of Charge Recombination Mechanisms in Electroluminescence of Organic Solids. Molecular Crystals and Liquid Crystals, 2001, 355, 231-245.	0.3	7
694	Efficient green organic light-emitting diodes with stericly hindered coumarin dopants. Applied Physics Letters, 2001, 79, 3711-3713.	1.5	123
695	Efficient organic red electroluminescent device with narrow emission peak. Applied Physics Letters, 2001, 78, 279-281.	1.5	85
696	Simultaneous electroluminescence and photoluminescence aging studies of tris(8-hydroxyquinoline) aluminum-based organic light-emitting devices. Journal of Applied Physics, 2001, 89, 4673-4675.	1.1	81
697	Excitation dynamics of dye doped tris(8-hydroxy quinoline) aluminum films studied using time-resolved photoelectron spectroscopy. Journal of Applied Physics, 2001, 90, 294-300.	1.1	20
698	Organic light-emitting devices with saturated red emission using 6,13-diphenylpentacene. Applied Physics Letters, 2001, 78, 2378-2380.	1.5	122
699	Recombination efficiency in organic single-layer light-emitting diodes at high fields. Applied Physics Letters, 2001, 79, 2529-2531.	1.5	1
700	Rigorous optical modeling of multilayer organic light-emitting diode devices. Applied Physics Letters, 2001, 78, 1649-1651.	1.5	40
701	Graded doping profiles for reduction of carrier trapping in organic light-emitting devices incorporating doped polymers. Applied Physics Letters, 2001, 78, 574-576.	1.5	24
702	LIGHT-EMITTINGELECTROCHEMICALPROCESSES. Annual Review of Physical Chemistry, 2001, 52, 391-422.	4.8	100
703	Excitation mechanisms in dye-doped organic light-emitting devices. Applied Physics Letters, 2001, 79, 4354-4356.	1.5	42
704	Efficiency of radiative emission from thin films of a light-emitting conjugated polymer. Physical Review B, 2001, 64, .	1.1	32
705	Photoemission spectroscopy study of Alq3 and metal mixed interfaces. Applied Physics Letters, 2001, 79, 4595-4597.	1.5	13
706	Vibrational and photoemission study of the interface between phenyl diamine and indium tin oxide. Applied Physics Letters, 2001, 79, 1561-1563.	1.5	21
707	Physics of organic electronic devices. Solid State Physics, 2001, 55, 1-117.	1.3	94
708	High-efficiency red electroluminescence from a narrow recombination zone confined by an organic double heterostructure. Applied Physics Letters, 2001, 79, 1048-1050.	1.5	141

#	Article	IF	Citations
709	High-efficiency yellow double-doped organic light-emitting devices based on phosphor-sensitized fluorescence. Applied Physics Letters, 2001, 79, 1045-1047.	1.5	199
710	Emission zone in organic light-emitting devices having a single layer of polyphenylenevinylene derivatives. Applied Physics Letters, 2001, 79, 4491-4493.	1.5	18
711	Effect of emitter disorder on the recombination zone and the quantum yield of organic electroluminescent diodes. Journal of Applied Physics, 2001, 89, 1866.	1.1	24
712	Bright white small molecular organic light-emitting devices based on a red-emitting guestâ€“host layer and blue-emitting 4,4â€²-bis(2,2â€²-diphenylvinyl)-1,1â€²-biphenyl. Applied Physics Letters, 2002, 81, 1738-1740.	1.5	159
713	Pure red electroluminescence from a host material of binuclear gallium complex. Applied Physics Letters, 2002, 81, 4913-4915.	1.5	40
714	Metal/Alq3 interactions in organic light emitting devices: The different roles of Mg, Al, and Li atoms. Journal of Chemical Physics, 2002, 116, 8827-8837.	1.2	32
715	Evaluation of bulk trap density of tris-(8-hydroxyquinoline) aluminum. Journal of Applied Physics, 2002, 92, 1450-1452.	1.1	7
716	Improving the thermal stability of organic light-emitting diodes by using a modified phthalocyanine layer. Applied Physics Letters, 2002, 80, 3895-3897.	1.5	66
717	New polycyclic aromatic hydrocarbon dopants for red organic electroluminescent devices. Journal of Materials Chemistry, 2002, 12, 1307-1310.	6.7	36
718	Lowâ€molecularâ€weight white organicâ€lightâ€emittingâ€devices using direct color mixing method. Journal of Information Display, 2002, 3, 6-12.	2.1	0
719	Electroluminescent features of oligothiophenes dispersed as a dopant in host matrices. Journal of Applied Physics, 2002, 91, 5706-5711.	1.1	22
720	Poly[2-(N-carbazolyl)-5-(2-ethylhexyloxy)-1,4-phenylenevinylene]/tris (8-hydroxyquinoline) aluminum heterojunction electroluminescent devices produced by cluster beam deposition methods. Journal of Applied Physics, 2002, 91, 1944-1951.	1.1	47
721	Influence of temperature and drive current on degradation mechanisms in organic light-emitting diodes. Applied Physics Letters, 2002, 80, 3430-3432.	1.5	105
722	Fuzzy-junction organic light-emitting devices. Applied Physics Letters, 2002, 81, 1570-1572.	1.5	26
723	Bright small molecular white organic light-emitting devices with two emission zones. Applied Physics Letters, 2002, 80, 2201-2203.	1.5	146
724	Nondoped-type white organic electroluminescent devices utilizing complementary color and exciton diffusion. Applied Physics Letters, 2002, 81, 3329-3331.	1.5	100
725	Improvement of efficiency and color purity utilizing two-step energy transfer for red organic light-emitting devices. Applied Physics Letters, 2002, 81, 2935-2937.	1.5	66
726	Aggregation and permeation of 4-(dicyanomethylene)-2-methyl-6-(p-dimethylaminostyryl)-4H-pyran molecules in Alq. Applied Physics Letters, 2002, 81, 1122-1124.	1.5	36

#	Article	IF	Citations
727	A possible mechanism for enhanced electrofluorescence emission through tripletâ€“triplet annihilation in organic electroluminescent devices. Applied Physics Letters, 2002, 81, 3137-3139.	1.5	121
728	Highly bright blue organic light-emitting devices using spirobifluorene-cored conjugated compounds. Applied Physics Letters, 2002, 81, 577-579.	1.5	133
729	Electron mobility measurement using exciplex-type organic light-emitting diodes. Applied Physics Letters, 2002, 81, 493-495.	1.5	52
730	SILICON NITRIDE THIN FILMS PACKAGING FOR FLEXIBLE ORGANIC LIGHT EMITTING DEVICES. International Journal of Modern Physics B, 2002, 16, 1052-1056.	1.0	2
731	Photoelectron spectroscopy studies on the electronic structures of Al/RbF and Al/CaF2cathodes for 8-hydroxyquinoline aluminium-based organic light-emitting devices. Journal Physics D: Applied Physics, 2002, 35, 3171-3175.	1.3	7
732	Intercalation of 8-hydroxyquinoline into a1-smectites by solid-solid reactions. Clays and Clay Minerals, 2002, 50, 428-434.	0.6	33
733	Enhanced Brightness of Eu 3+ Complex in Organic Electroluminescent Devices by Using Another Rare-Earth Ion. Chinese Physics Letters, 2002, 19, 1884-1886.	1.3	1
734	Improved Carrier Transfer in Red Organic Light Emitting Diodes Doped with Rubrene. Chinese Physics Letters, 2002, 19, 572-574.	1.3	4
735	Spiro-Annulated Compound as Stable and High-Efficiency Blue Host Light-Emitter. Japanese Journal of Applied Physics, 2002, 41, 5599-5601.	0.8	3
736	The pure white light emission from three-layer electroluminescent device. Journal Physics D: Applied Physics, 2002, 35, 742-746.	1.3	6
737	Energy and Charge Transfer from Guest to Host in Doped Organic Electroluminescent Devices. Chinese Physics Letters, 2002, 19, 1356-1358.	1.3	3
738	Combinatorial Screening and Optimization of Luminescent Materials and Organic Light-Emitting Devices. MRS Bulletin, 2002, 27, 309-315.	1.7	30
739	Polymeric optical integrated devices with high-speed operated organic electroluminescent diodes as a light source. , 2002, 4805, 106.		0
740	Effects of Passivation and Desiccant on Organic Light-Emitting Diodes.. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2002, 15, 243-246.	0.1	3
741	ãƒ•ãƒ©ãƒƒãƒˆãƒ‘ãƒãƒ«ãƒ‡ã‚£ã‚¹ãƒ—ãƒ¬ã‚¤ç”¨ã‚¨ãƒ¬ã‚¯ãƒˆãƒãƒ«ãƒŸãƒã‚»ãƒ³ãƒˆç´ åã•ææ–™ã®é–‹ç™º. Materia Japan, 2002, 41, 796-801.	0.1	0
742	Efficient blue-green molecular organic light emitting diodes based on novel silole derivatives. Materials Research Society Symposia Proceedings, 2002, 725, 1.	0.1	9
743	Patterned Deposition from Compressed Carbon Dioxide. Materials Research Society Symposia Proceedings, 2002, 734, 371.	0.1	0
744	Paper-Like Display Utilizing Organic Electroluminescent Diodes Fabricated on 10 Micron-Thick Polyimide Films. Materials Research Society Symposia Proceedings, 2002, 736, 1.	0.1	0

#	Article	IF	Citations
745	27.2: Linear Source Deposition of Organic Layers for Full-Color OLED. Digest of Technical Papers SID International Symposium, 2002, 33, 886.	0.1	25
746	L-8: Late-News Paper: Highly Efficient Solution-Processible Dendrimer LEDs. Digest of Technical Papers SID International Symposium, 2002, 33, 1032.	0.1	4
747	47.3: Role of Film Formation on Disorder States in Alq. Digest of Technical Papers SID International Symposium, 2002, 33, 1266.	0.1	1
748	37.1: Flexible Organic Light Emitting Devices Using Conductive Polymeric Anodes. Digest of Technical Papers SID International Symposium, 2002, 33, 1090.	0.1	2
749	A New Class of High-Performance Red-Fluorescent Dyes for Organic Electroluminescent Devices, [7-Diethylamino-3-(2-thienyl)chromen-2-ylidene]-2,2-dicyanovinylamine and {10-(2-Thienyl)-2,3,6,7-tetrahydro-1H,5H-chromeno[8,7,6-ij]quinolizin-11-ylidene}-2,2-dicyanovinylamine. Chemistry Letters, 2002, 31, 984-985.	0.7	27
750	Exchange dynamics in aluminum tris-(Quinoline-8-olate) (Alq/sub 3/). , 0, , .		0
751	External coupling and cathode effects in organic light-emitting devices: modeling and experiments. , 2002, 4464, 187.		3
752	Low-voltage organic light-emitting diodes by doped amorphous hole transport layers. , 2002, , .		6
753	Anode Interfacial Engineering Approaches to Enhancing Anode/Hole Transport Layer Interfacial Stability and Charge Injection Efficiency in Organic Light-Emitting Diodes. Langmuir, 2002, 18, 9958-9970.	1.6	94
754	Anthracene derivatives for stable blue-emitting organic electroluminescence devices. Applied Physics Letters, 2002, 80, 3201-3203.	1.5	407
755	Electroluminescence Properties of Systematically Derivatized Organic Chromophores Containing Electron Donor and Acceptor Groups. Chemistry of Materials, 2002, 14, 4044-4048.	3.2	48
756	Optimization of external coupling and light emission in organic light-emitting devices: modeling and experiment. Journal of Applied Physics, 2002, 91, 595-604.	1.1	226
757	Synthesis and Characterization of Highly Luminescent Asymmetric Poly(p-phenylene vinylene) Derivatives for Light-Emitting Diodes. Chemistry of Materials, 2002, 14, 643-650.	3.2	82
758	Synthesis of Novel Fluorene-Based Poly(iminoarylene)s and Their Application to Buffer Layer in Organic Light-Emitting Diodes. Macromolecules, 2002, 35, 2282-2287.	2.2	62
759	Electroluminescence of Multicomponent Conjugated Polymers. 2. Photophysics and Enhancement of Electroluminescence from Blends of Polyquinolines. Macromolecules, 2002, 35, 382-393.	2.2	82
760	Synthesis and photophysical characterisation of luminescent zinc complexes with 5-substituted-8-hydroxyquinolines. Dalton Transactions RSC, 2002, , 3406-3409.	2.3	43
761	<title>Optical funtions of tris (8-hydroxyquinoline) aluminum (Alq<formula><inf><roman>3</roman></inf></formula>)</title>. , 2002, 4642, 118.		0
762	In situ photoluminescence investigation of doped Alq. Applied Physics Letters, 2002, 80, 4846-4848.	1.5	43

#	Article	IF	Citations
763	Novel Blue Phosphorescent Group 15 Compounds MR3(M = P, Sb, Bi; R =p-(N-7-Azaindolyl)phenyl). Organometallics, 2002, 21, 2413-2421.	1.1	38
764	Highly-bright white organic light-emitting diodes based on a single emission layer. Applied Physics Letters, 2002, 81, 4499-4501.	1.5	153
765	Electron dynamics in unoccupied molecular orbitals of two blue-light-emitting organic electroluminescent materials. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 762-765.	0.9	4
766	Efficient organic light-emitting diodes with undoped active layers based on silole derivatives. Applied Physics Letters, 2002, 80, 189-191.	1.5	177
767	Quenching effects in organic electrophosphorescence. Physical Review B, 2002, 66, .	1.1	284
768	Electric field-assisted dissociation of singlet excitons in tris-(8-hydroxyquinolinato) aluminum (III). Applied Physics Letters, 2002, 80, 1465-1467.	1.5	63
769	A novel n-type red luminescent material for organic light-emitting diodes. Journal of Materials Chemistry, 2002, 12, 1671-1675.	6.7	45
770	FÃ¶rster energy transfer from a fluorescent dye to a phosphorescent dopant: a concentration and intensity study. Physical Chemistry Chemical Physics, 2002, 4, 4109-4114.	1.3	38
771	Synthesis and characterization of spiro-linked poly(terfluorene): a blue-emitting polymer with controlled conjugated length. Journal of Materials Chemistry, 2002, 12, 2893-2897.	6.7	87
772	Heterocyclic quinol-type fluorophores. Part 1. Synthesis of new benzofurano[3,2-b]naphthoquinolThe IUPAC name for the parent benzofurano[3,2-b]naphthoquinone is naphtho[2,3-b]benzofuran-6,11-dione. derivatives and their photophysical properties in solution and in the crystalline stateElectronic supplementary information (ESI) available: Table S1 containing crystal data and structure refinement parameters for 2c, 3c, and 3d. See http://www.rsc.org/suppdata/p2/b1/b109198k/. Perkin Transactions II RSC, 2002, , 700-707.	1.1	45
773	Photo and electroluminescence of 2-anilino-5-phenylpenta-2,4-dienenitrile derivatives. Journal of Materials Chemistry, 2002, 12, 42-46.	6.7	14
774	Electroluminescence from low-dimensionally confined crystals of thiophene/p-phenylene co-oligomers. Applied Physics Letters, 2002, 81, 1512-1514.	1.5	67
775	Red-emitting electroluminescent devices based on osmium-complexes-doped blend of poly(vinylnaphthalene) and 1,3,4-oxadiazole derivative. Applied Physics Letters, 2002, 81, 3125-3127.	1.5	61
776	The dynamics of the internal phonons tris(quinolin-8-olato) aluminum(III) in crystalline Î²-phase. Journal of Chemical Physics, 2002, 116, 798-813.	1.2	30
777	Picosecond amplified spontaneous emission bursts from a molecularly doped organic semiconductor. Journal of Applied Physics, 2002, 91, 6367.	1.1	15
778	Tris(porphyrinyl-oxinato)Ga Complexes as a Photosynthetic Antenna Miniature. Supramolecular Chemistry, 2002, 14, 159-170.	1.5	7
779	Electroluminescence from pyrromethene dyes in doped polymer hosts. Journal of Alloys and Compounds, 2002, 338, 112-115.	2.8	39
780	9,9-Bis{4-[di-(p-biphenyl)aminophenyl]}fluorene: a high Tg and efficient hole-transporting material for electroluminescent devices. Synthetic Metals, 2002, 126, 37-41.	2.1	53

#	Article	IF	Citations
781	On the assignment of the absorption bands in the optical spectrum of Alq3. Synthetic Metals, 2002, 126, 199-205.	2.1	57
782	Electron injection and electroluminescence investigation of organic light-emitting devices based on a Sn/Al cathode. Synthetic Metals, 2002, 126, 347-350.	2.1	8
783	Non-polymeric OLEDs with a doped amorphous hole transport layer and operating voltages down to 3.2 V to achieve 100 cd/m2. Synthetic Metals, 2002, 127, 169-173.	2.1	41
784	Intermolecular energy transfer in photo- and electroluminescence properties of a europium(III) complex dispersed in poly(vinylcarbazole). Synthetic Metals, 2002, 129, 193-198.	2.1	38
785	An alkylsilylphenoxy PPV chromophore. Synthetic Metals, 2002, 130, 203-212.	2.1	4
786	Subband gap optical absorption and defects in Tris(8 hydroxy quinolato) aluminium. Synthetic Metals, 2002, 131, 71-77.	2.1	14
787	An efficient and bright organic white-light-emitting device. Synthetic Metals, 2002, 132, 43-47.	2.1	16
788	1,3-Diphenyl-5-(9-phenanthryl)-4,5-dihydro-1H-pyrazole (DPPhP): structure, properties, and application in organic light-emitting diodes. Journal of Materials Chemistry, 2002, 12, 3481-3486.	6.7	39
789	Influence of potential barrier materials on device performance. Materials Research Society Symposia Proceedings, 2002, 725, 1.	0.1	0
790	Charge motion and trapping in molecularly doped hole transporters. Materials Research Society Symposia Proceedings, 2002, 725, 1.	0.1	0
791	Reliability and degradation of small molecule-based organic light-emitting devices (OLEDs). IEEE Journal of Selected Topics in Quantum Electronics, 2002, 8, 362-371.	1.9	129
792	Dopant emission mechanism and the effects of host materials on the behavior of doped organic light-emitting diodes. IEEE Transactions on Electron Devices, 2002, 49, 1540-1544.	1.6	27
794	Highly Efficient White Organic Electroluminescence from a Double-Layer Device Based on a Boron Hydroxyphenylpyridine Complex. Angewandte Chemie - International Edition, 2002, 41, 182-184.	7.2	102
795	Perfluoro-1,3,5-tris(p-oligophenyl)benzenes: Amorphous Electron-Transport Materials with High-Glass-Transition Temperature and High Electron Mobility. Journal of Solid State Chemistry, 2002, 168, 470-473.	1.4	11
796	Semiconducting polymer LEDs. Materials Today, 2002, 5, 32-39.	8.3	69
797	Enhancement and stability of luminescence in thin-film light-emitting devices based on heterostructure of ladder-type poly (p-phenylene). Materials Science in Semiconductor Processing, 2002, 5, 27-30.	1.9	2
798	Recent progress of molecular organic electroluminescent materials and devices. Materials Science and Engineering Reports, 2002, 39, 143-222.	14.8	1,068
799	Direct patterning of tris-(8-hydroxyquinoline)-aluminum (III) thin film at submicron scale by modified micro-transfer molding. Materials Science and Engineering C, 2002, 19, 275-278.	3.8	5

#	Article	IF	Citations
800	The internal electric field distribution in bilayer organic light emitting diodes. Organic Electronics, 2002, 3, 129-141.	1.4	62
801	2.4-in. monochrome small molecular OLED display for mobile application. Current Applied Physics, 2002, 2, 335-338.	1.1	27
802	Synthesis, characterization and luminescent properties of a europium (III) complex. Thin Solid Films, 2002, 417, 78-84.	0.8	10
803	Energy transfer vs. carrier trapping: emission mechanism in dye-doped organic light emitting diodes. Thin Solid Films, 2002, 417, 61-66.	0.8	29
804	Temperature effect on photoluminescent properties of red light-emitting materials based on Ru(II)-chelated complexes. Thin Solid Films, 2002, 417, 111-115.	0.8	7
805	Spectroscopic ellipsometry of the optical functions of tris (8-hydroxyquinoline) aluminum (Alq3). Thin Solid Films, 2002, 416, 233-241.	0.8	44
806	Electroluminescence properties of new multi-functional copolymers containing carbazole, naphthalimide and oxadiazole. Thin Solid Films, 2002, 417, 107-110.	0.8	5
807	PL and EL properties of a novel Eu-containing copolymer. Thin Solid Films, 2002, 417, 127-131.	0.8	30
808	Effect of rubrene on characteristic of red organic electroluminescent device doped with rubrene. Chemical Physics Letters, 2002, 352, 353-356.	1.2	7
809	Hole transports in molecularly doped triphenylamine derivative. Chemical Physics Letters, 2002, 353, 407-413.	1.2	117
810	Fluorescence spectroscopic characterization of 4,7-bis(2-thienyl)-1,2,5-oxadiazolo[3,4-c]pyridine; lead structure of new red-emitting EL material. Chemical Physics Letters, 2002, 354, 173-178.	1.2	7
811	Molecular orbital study on the ground and excited states of methyl substituted tris(8-hydroxyquinoline) aluminum(III). Chemical Physics Letters, 2002, 366, 9-16.	1.2	44
812	Applications of Ytterbium in organic light-emitting devices as high performance and transparent electrodes. Chemical Physics Letters, 2002, 366, 128-133.	1.2	65
813	Light-Emitting Diodes Based on a Carbazole-Derivatized Dopant:Â Origin of Dopant Excitation as a Function of the Device Structure. Chemistry of Materials, 2002, 14, 357-361.	3.2	63
814	Current-induced fluorescence quenching in organic light-emitting diodes. Applied Physics Letters, 2002, 80, 874-876.	1.5	152
815	Title is missing!. Russian Chemical Bulletin, 2002, 51, 67-71.	0.4	14
816	Title is missing!. Journal of Materials Science: Materials in Electronics, 2002, 13, 249-252.	1.1	4
817	Modeling of Electroluminescence of Thin Organic Films. Journal of Applied Spectroscopy, 2002, 69, 850-856.	0.3	0

#	Article	IF	Citations
818	Diaminoanthracene Derivatives as High-Performance Green Host Electroluminescent Materials. Chemistry of Materials, 2002, 14, 3958-3963.	3.2	123
819	Stable and Efficient Fluorescent Red and Green Dyes for External and Internal Conversion of Blue OLED Emission. Chemistry of Materials, 2003, 15, 2305-2312.	3.2	128
820	Electroluminescence of Thin Films of Organic Compounds (Review). Journal of Applied Spectroscopy, 2003, 70, 165-194.	0.3	26
821	Improved performances of the organic light-emitting devices by doping in the mixed layer. Optical and Quantum Electronics, 2003, 35, 1149-1155.	1.5	3
822	On the radiative lifetime, quantum yield and fluorescence decay of Alq in thin filmsElectronic supplementary information (ESI) available: Experimental data. See http://www.rsc.org/suppdata/cp/b2/b211264g/. Physical Chemistry Chemical Physics, 2003, 5, 1386-1391.	1.3	64
823	Photoemission study of interface formation between ytterbium and tris-(8-hydroxyquinoline) aluminum. Chemical Physics Letters, 2003, 380, 63-69.	1.2	5
824	Red electroluminescence and photoluminescence properties of new porphyrin compounds. Chemical Physics Letters, 2003, 382, 561-566.	1.2	44
825	Wavelength-tunable organic solid-state distributed-feedback laser. Applied Physics B: Lasers and Optics, 2003, 77, 399-402.	1.1	52
826	Simulating electronic and optical processes in multilayer organic light-emitting devices. IEEE Journal of Selected Topics in Quantum Electronics, 2003, 9, 723-731.	1.9	140
827	Emission behavior of molecularly doped electroluminescent devices using liquid-crystalline matrices. Thin Solid Films, 2003, 438-439, 294-300.	0.8	4
828	Improved Efficiency of Single-Layer Polymer Light-Emitting Devices with Poly(vinylcarbazole) Doubly Doped with Phosphorescent and Fluorescent Dyes as the Emitting Layer. Advanced Functional Materials, 2003, 13, 603-608.	7.8	47
829	High-Efficiency Polymer Light-Emitting Diodes with Stable Saturated Red Emission: Use of Carbazole-Based Copolymer Blends in a Poly(p-phenylenevinylene) Derivative. Advanced Materials, 2003, 15, 807-811.	11.1	51
830	Highly Efficient Red Electrophosphorescent Devices Based on Iridium Isoquinoline Complexes: Remarkable External Quantum Efficiency Over a Wide Range of Current. Advanced Materials, 2003, 15, 884-888.	11.1	367
831	Near-Infrared Electroluminescent Light-Emitting Devices Based on Ethyne-Bridged Porphyrin Fluorophores. Advanced Materials, 2003, 15, 1296-1300.	11.1	74
832	Syntheses, Structures, Photoluminescence, and Theoretical Studies of a Novel Class of d10 Metal Complexes of 1H-[1,10]phenanthrolin-2-one. Chemistry - A European Journal, 2003, 9, 3888-3896.	1.7	120
833	Structural, Photophysical, and Electrophosphorescent Properties of Platinum(II) Complexes Supported by Tetradentate N2O2 Chelates. Chemistry - A European Journal, 2003, 9, 1263-1272.	1.7	106
834	The characteristic of photoluminescence of tris-(7-substituted-8-hydroxyquinoline) aluminum complexes and polymeric complexes. Applied Organometallic Chemistry, 2003, 17, 952-957.	1.7	10
835	New charge-carrier blocking materials for high efficiency OLEDs. Organic Electronics, 2003, 4, 77-87.	1.4	335

#	Article	IF	Citations
836	Magnetic hyperfine modulation of charge photogeneration in solid films of Alq3. Chemical Physics Letters, 2003, 378, 380-387.	1.2	123
837	Cs doping and energy level shift in CuPc. Chemical Physics Letters, 2003, 380, 451-455.	1.2	55
838	Organic light-emitting diodes with a nanostructured TiO2 layer at the interface between ITO and NPB layers. Displays, 2003, 24, 231-234.	2.0	49
839	Interfaces between 8-hydroxyquinoline aluminum and cesium as affected by their deposition sequences. Chemical Physics Letters, 2003, 367, 753-758.	1.2	11
840	HREELS study on the interaction of MgF2 with tris(8-hydroxy-quinoline) aluminum. Chemical Physics Letters, 2003, 374, 119-124.	1.2	1
841	Doped organic semiconductors: Physics and application in light emitting diodes. Organic Electronics, 2003, 4, 89-103.	1.4	376
842	Advanced light emitting diodes structures for optoelectronic applications. Thin Solid Films, 2003, 433, 22-26.	0.8	82
843	Synthesis of oligo(p-phenyleneâ€“vinyleneâ€“thienylene)s as potential red light-emitting materials. Tetrahedron, 2003, 59, 5193-5198.	1.0	12
844	Optical properties of a novel derivative of 2,6-linked quinquepyridine. Journal of Luminescence, 2003, 101, 35-43.	1.5	1
845	Synthesis, structural characterization and electroluminescence study of alkylgallium derivatives of thiobenzhydrazones. Journal of Organometallic Chemistry, 2003, 681, 51-58.	0.8	11
846	Electronic structure of a cyclooctatetraene derivative COT-H on Ru(). Physica B: Condensed Matter, 2003, 325, 199-202.	1.3	2
847	Synthesis and characterization of tris-(8-hydroxyquinoline)aluminum. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 100, 40-46.	1.7	75
848	Novel organic EL devices. Optical Materials, 2003, 21, 99-107.	1.7	16
849	Improvement of efficiency in organic light-emitting diodes using PVK and CuPc buffer layer. Optical Materials, 2003, 21, 159-164.	1.7	15
850	Ligand effect on the electroluminescence mechanism in lanthanide (III) complexes. Optical Materials, 2003, 21, 181-186.	1.7	41
851	Organic light emitting diodes with red emission using (2,6-dimethyl-4H-pyran-4â€²-ylidene)malononitrile moiety. Optical Materials, 2003, 21, 217-220.	1.7	18
852	Blue organic light-emitting diodes with carbazole-based small molecules. Optical Materials, 2003, 21, 225-229.	1.7	34
853	Characteristics of a single-layered organic electroluminescent device using a carrier-transporting copolymer and a nonconjugated light-emitting polymer. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 2733-2743.	2.4	12

#	Article	IF	Citations
854	High-efficiency doped polymeric organic light-emitting diodes. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 2715-2725.	2.4	19
855	Light emitting properties of diheteryl-substituted styryl dyes. Dyes and Pigments, 2003, 59, 245-250.	2.0	18
856	First Examples of Organophosphorus-Containing Materials for Light-Emitting Diodes. Journal of the American Chemical Society, 2003, 125, 9254-9255.	6.6	191
857	Characterization of the Triplet State of Tris(8-hydroxyquinoline)aluminium(III) in Benzene Solution. Journal of the American Chemical Society, 2003, 125, 15310-15311.	6.6	107
858	Influence of the thickness and doping of the emission layer on the performance of organic light-emitting diodes with PiN structure. Journal of Applied Physics, 2003, 93, 838-844.	1.1	44
859	Metal Compounds as Phosphors. , 2003, , 689-717.		2
860	Design and Synthesis of Alq3-Functionalized Polymers. Macromolecules, 2003, 36, 1766-1768.	2.2	95
861	Synthesis and Spectroscopic Properties of Finite Ph2N-Containing Oligo(arylenevinylene) Derivatives That Emit Blue to Red Fluorescence. Organic Letters, 2003, 5, 1131-1134.	2.4	65
862	Synthesis and Properties of Novel Highly Fluorescent Pyrrolopyridazine Derivatives. Chemistry of Materials, 2003, 15, 3759-3768.	3.2	63
863	Highly efficient solution-processible phosphorescent dendrimers for organic light-emitting diodes. Journal of the Society for Information Display, 2003, 11, 161.	0.8	1
864	Organic light-emitting devices based on aromatic polyimide doped by electrophosphorescent materialfactris(2-phenylpyridine) iridium. Semiconductor Science and Technology, 2003, 18, 278-283.	1.0	2
865	Thermal Desorption of Tris(8-hydroxyquinoline)aluminum (III) (Alq3) on Cu(111). Chemistry of Materials, 2003, 15, 4819-4822.	3.2	4
866	Novel Phosphorescent Cyclometalated Organotin(IV) and Organolead(IV) Complexes of 2,6-Bis(2â€˜-indolyl)pyridine and 2,6-Bis[2â€˜-(7-azaindolyl)]pyridine. Organometallics, 2003, 22, 4070-4078.	1.1	52
867	Hot Microcontact Printing for Patterning ITO Surfaces. Methodology, Morphology, Microstructure, and OLED Charge Injection Barrier Imaging. Langmuir, 2003, 19, 86-93.	1.6	64
868	Chemistry between Magnesium and Multiple Molecules in Tris(8-hydroxyquinoline) Aluminum Films. Journal of the American Chemical Society, 2003, 125, 7808-7809.	6.6	33
869	A Quantitative Structureâ^'Property Relationship Study of the Glass Transition Temperature of OLED Materials. Journal of Chemical Information and Computer Sciences, 2003, 43, 970-977.	2.8	49
870	Blue Luminescent Organosilicon Compounds Based on 2,2â€˜-Dipyridylaminophenyl and 2,2â€˜-Dipyridylaminobiphenyl. Organometallics, 2003, 22, 321-327.	1.1	17
871	A Novel Neutral Red Derivative for Applications in High-Performance Red-Emitting Electroluminescent Devices. Chemistry of Materials, 2003, 15, 1913-1917.	3.2	32

#	Article	IF	Citations
872	Ligand Exchange Dynamics in Aluminum Tris-(Quinoline-8-olate):Â A Solution State NMR Study. Journal of the American Chemical Society, 2003, 125, 1371-1375.	6.6	53
873	Photocleavage of Pyridyl-Based Aromatic Polyureas. Macromolecules, 2003, 36, 9775-9783.	2.2	7
874	A Novel Class of Emitting Amorphous Molecular Materials with Bipolar Character for Electroluminescence. Chemistry of Materials, 2003, 15, 1080-1089.	3.2	229
875	A New Family of Isophorone-Based Dopants for Red Organic Electroluminescent Devices. Chemistry of Materials, 2003, 15, 1486-1490.	3.2	88
876	Guest Emission Processes in Doped Organic Light-Emitting Diodes:â€‰ Use of Phthalocyanine and Naphthalocyanine Near-IR Dopants. Journal of Physical Chemistry B, 2003, 107, 1142-1150.	1.2	37
877	A monolayer organic light-emitting diode using an organic dye salt. Applied Physics Letters, 2003, 83, 1020-1022.	1.5	17
878	Novel organic hole transport material with very high Tg for light-emitting diodes. Synthetic Metals, 2003, 132, 173-176.	2.1	50
879	A novel family of red fluorescent materials for organic light-emitting diodes. Synthetic Metals, 2003, 138, 537-542.	2.1	29
880	Inverted transparent multi-layered vacuum deposited organic light-emitting diodes with electrically doped carrier transport layers and coumarin doped emissive layer. Synthetic Metals, 2003, 138, 193-196.	2.1	19
881	Investigation of internal processes in organic light-emitting devices using thin sensing layers. Synthetic Metals, 2003, 138, 213-221.	2.1	25
882	Synthesis and characterization of new oxadiazoleamine based spiro-linked fluorescence dyes. Synthetic Metals, 2003, 138, 21-31.	2.1	52
883	Electrical and optical characteristics of red organic light-emitting diodes doped with two guest dyes. Synthetic Metals, 2003, 139, 341-346.	2.1	22
884	Blue light-emitting devices based on 1,8-acridinedione derivatives. Synthetic Metals, 2003, 139, 347-353.	2.1	35
885	Syntheses, structures and luminescent properties of Sm (III) and Eu (III) chelates for organic electroluminescent device applications. Journal of Alloys and Compounds, 2003, 358, 235-244.	2.8	30
886	Bisindolylmaleimides as Red Electroluminescence Materials. Chemistry of Materials, 2003, 15, 4527-4532.	3.2	54
887	A Novel Class of Photo- and Electroactive Polymers Containing Oxadiazole and Amine Moieties in a Side Chain. Macromolecules, 2003, 36, 3457-3464.	2.2	54
888	Photoluminescence and electroluminescence properties of three ternary lutetium complexes. New Journal of Chemistry, 2003, 27, 1485.	1.4	23
889	Exciton diffusion in light-emitting organic thin films studied by photocurrent spectra. Applied Physics Letters, 2003, 83, 1737-1739.	1.5	39

#	Article	IF	Citations
890	Highly efficient molecular organic light-emitting diodes based on exciplex emission. Applied Physics Letters, 2003, 82, 2209-2211.	1.5	151
891	Modifying the growth of organic thin films by a self-assembled monolayer. Journal of Applied Physics, 2003, 93, 4852-4855.	1.1	23
892	Phthalocyanine Monolayer-Modified Gold Substrates as Efficient Anodes for Organic Light-Emitting Diodes. Journal of Physical Chemistry B, 2003, 107, 12639-12642.	1.2	33
893	Benzo[a]aceanthrylene Derivatives for Red-Emitting Electroluminescent Materials. Chemistry of Materials, 2003, 15, 4854-4862.	3.2	45
894	Polyurethanes with covalent attached fluorescent dyes as deep red emitting materials. , 2003, , .		0
895	Reorganization Energies in the Transports of Holes and Electrons in Organic Amines in Organic Electroluminescence Studied by Density Functional Theory. Journal of Physical Chemistry A, 2003, 107, 5241-5251.	1.1	303
896	Cyclization of Oxa-Bicyclic Alkenes with Î²-Iodo-(Z)-propenoates ando-Iodobenzoate Catalyzed by Nickel Complexes:â€‰ A Simple Efficient Route to Annulated Coumarins. Organic Letters, 2003, 5, 4903-4906.	2.4	56
897	Phosphorescent top-emitting organic light-emitting devices with improved light outcoupling. Applied Physics Letters, 2003, 82, 466-468.	1.5	182
898	High-efficiency polymer light-emitting diodes with stable saturated red emission based on blends of dioctylfluorene-benzothiadiazole-dithienylbenzothiadiazole terpolymers and poly[2-methoxy,5-(2-ethylhexoxy)-1,4-phenylene vinylene]. Applied Physics Letters, 2003, 82, 2163-2165.	1.5	33
899	A field-dependent organic LED consisting of two new high Tg blue light emitting organic layers: a possibility of attainment of a white light sourceElectronic supplementary information (ESI) available: experimental section. See http://www.rsc.org/suppdata/jm/b2/b209949g/. Journal of Materials Chemistry, 2003, 13, 479-484.	6.7	64
900	P-78: Design and Characterization of Organic Light Emitting Diodes with Microcavity Structure. Digest of Technical Papers SID International Symposium, 2003, 34, 516.	0.1	15
901	Inverted top-emitting organic light-emitting diodes using sputter-deposited anodes. Applied Physics Letters, 2003, 82, 284-286.	1.5	114
902	Tuning the emission characteristics of top-emitting organic light-emitting devices by means of a dielectric capping layer: An experimental and theoretical study. Journal of Applied Physics, 2003, 94, 5290.	1.1	166
903	Hole-transport properties of a furan-containing oligoaryl. Journal of Applied Physics, 2003, 93, 5465-5471.	1.1	79
904	Band bending of LiF/Alq3 interface in organic light-emitting diodes. Applied Physics Letters, 2003, 83, 2949-2951.	1.5	50
905	Electron transit time and reliable mobility measurements from thick film hydroxyquinoline-based organic light-emitting diode. Journal of Applied Physics, 2003, 94, 2033-2037.	1.1	92
906	Properties of 4-dicyanomethylene-2-methyl-6-(p-dimethyl-aminostyryl)-4H-pyran-doped Alq layers as optically pumped lasers. Applied Physics Letters, 2003, 83, 1295-1297.	1.5	4
907	Highly efficient pure blue electroluminescence from 1,4-bis[2-(3-N-ethylcarbazoryl)vinyl]benzene. Applied Physics Letters, 2003, 83, 5077-5079.	1.5	50

#	Article	IF	Citations
908	Characterization of isomers in aluminum tris(quinoline-8-olate) by one-dimensional 27Al nuclear magnetic resonance under magic-angle spinning. Applied Physics Letters, 2003, 83, 4023-4025.	1.5	32
909	Determination of the width of the carrier recombination zone in organic light-emitting diodes. Journal of Applied Physics, 2003, 94, 7764.	1.1	43
910	Organic light-emitting diode materials. , 2003, , .		2
911	A nondoped-type small molecule white organic light-emitting device. Journal Physics D: Applied Physics, 2003, 36, 1246-1248.	1.3	39
912	Effect of electric field and temperature on hole mobility in Alq3 material. Electronics Letters, 2003, 39, 862.	0.5	8
913	A diaminomaleonitrile derivative as a new dopant for red-light-emitting electroluminescent device. Journal Physics D: Applied Physics, 2003, 36, 1789-1793.	1.3	3
914	A New Kind of Buffer Layer of TiO 2 Self-Assembled Material in Organic Electroluminescent Devices. Chinese Physics Letters, 2003, 20, 420-422.	1.3	8
915	Red Light-Emitting-Diode Based on an Organic Salt. Chinese Physics Letters, 2003, 20, 935-937.	1.3	2
916	Improved Quantum Efficiency of Organic Light Emitting Diodes with Gradiently Doped Double Emitting Zone. Chinese Physics Letters, 2003, 20, 938-941.	1.3	3
917	Realization of Red-Organic-Light Emitting Diode by Introducing the Double Emitting Zone. Chinese Physics Letters, 2003, 20, 1861-1863.	1.3	8
918	Efficiency of organic light-emitting diodes depending on Al based cathodes. , 0, , .		0
919	P-81: Enhanced Efficiency of Red Organic Light-Emitting Diodes by Using Partially Doping Method. Digest of Technical Papers SID International Symposium, 2003, 34, 528.	0.1	2
920	9.3: 2.2Êº QCIF Full Color Transparent AMOLED Display. Digest of Technical Papers SID International Symposium, 2003, 34, 104.	0.1	15
921	45.4: Dimers of Organic Metal Complexes Based on Tridentate Schiff-Base Ligand for Organic Electroluminescence. Digest of Technical Papers SID International Symposium, 2003, 34, 1298.	0.1	0
922	é›»åãƒ‡ãƒã‚¹ã®é«˜æ€§èƒ½åŒ–ã«å‘ã‘ãŸç„¡æ©Ÿãƒ»æœ‰æ©Ÿã®èžåˆç”¨ç©¶èª²é¡Œ. Materia Japan, 2003, 42, 381-385.	0.1	0
923	Effect of Low-Molecular Component on Electroluminescent Properties of Polyfluorene Derivative. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2003, 16, 317-322.	0.1	3
926	Organic-Based Thin-Film Transistors. , 2003, , .		3
927	Porphyrin Supramolecules for Artificial Photosynthesis and Molecular Photonic/Electronic Materials. Bulletin of the Chemical Society of Japan, 2003, 76, 689-708.	2.0	114

#	Article	IF	Citations
928	Oled Matrix-Displays. Materials Research Society Symposia Proceedings, 2003, 769, 421.	0.1	4
931	Charakterisierung von OLED-Schichten mittels Spektral-Ellipsometrie (Characterization of OLED) Tj ETQq1 1 0.784314 rgBT /Overlock	0.3	0
932	Study on the Cathode used for Transparent Organic Light Emitting Diodes. IEEJ Transactions on Electronics, Information and Systems, 2004, 124, 1244-1250.	0.1	0
933	Organic Optoelectronic Nanostructures. Nanostructure Science and Technology, 2004, , 485-504.	0.1	0
934	Efficient blue organic light-emitting devices with charge carrier confining nanostructure formed by wide band gap molecule doping. Nanotechnology, 2004, 15, 149-153.	1.3	15
935	White Organic Electroluminescent Devices Fabricated Using Ink-Jet Printing Method. Japanese Journal of Applied Physics, 2004, 43, 7395-7398.	0.8	13
936	Small molecular white organic light emitting devices with a single emission layer. Semiconductor Science and Technology, 2004, 19, L32-L34.	1.0	11
937	A Novel Buffer Layer of Alq 3 in Organic Electroluminescent Devices. Chinese Physics Letters, 2004, 21, 1150-1152.	1.3	8
938	Improvement in photorefractivity of a polymeric composite doped with the electron-injecting material Alq3. Journal of Optics, 2004, 6, 890-893.	1.5	8
939	Improvement of Efficiency and Brightness of Red Organic Light-Emitting Devices Using Double-Quantum-Well Configuration. Chinese Physics Letters, 2004, 21, 556-558.	1.3	8
940	Electroluminescence spikes, turn-off dynamics, and charge traps in organic light-emitting devices. Physical Review B, 2004, 69, .	1.1	29
941	White electroluminescence from polyfluorene chemically doped with 1,8-napthalimide moieties. Applied Physics Letters, 2004, 85, 2172-2174.	1.5	140
942	Conducting fluorocarbon coatings for organic light-emitting diodes. Applied Physics Letters, 2004, 84, 4032-4034.	1.5	23
943	Controlling hole-transport in aluminum tris (8-hydroxyquinoline), Alq3-based organic light emitting diodes to improve the device lifetime by an oxidized transport layer. Journal of Applied Physics, 2004, 95, 8240-8246.	1.1	11
944	Enhancement of organic light-emitting device performances with Hf-doped indium tin oxide anodes. Applied Physics Letters, 2004, 85, 2092-2094.	1.5	19
945	Synthesis and Electroluminescence of Metal 4â€Styrylâ€8â€hydroxyquinolates. Journal of the Chinese Chemical Society, 2004, 51, 735-742.	0.8	8
946	Highly-efficient blue electroluminescence based on two emitter isomers. Applied Physics Letters, 2004, 84, 1513-1515.	1.5	81
947	Anode/organic interface modification by plasma polymerized fluorocarbon films. Journal of Applied Physics, 2004, 95, 4397-4403.	1.1	43

#	Article	IF	Citations
948	Phosphorescence of aluminum tris(quinoline-8-olate). Applied Physics Letters, 2004, 84, 3160-3162.	1.5	48
949	Anisotropic optical properties and molecular orientation in vacuum-deposited ter(9,9-diarylfluorene)s thin films using spectroscopic ellipsometry. Journal of Applied Physics, 2004, 95, 881-886.	1.1	151
950	Introduction to Organic Light-Emitting Devices. , 2004, , 1-41.		21
951	Correlating Physical and Chemical Degradation in the Performance of Aluminumtris(8â€Hydroxyquinoline) (Alq3)â€Based OLEDs. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 1425-1435.	1.2	3
952	Molecular LED: Design Concept of Molecular Materials for High-Performance OLED. , 2004, , 43-69.		12
953	Realization of Polymeric Optical Integrated Devices Utilizing Organic Light-Emitting Diodes and Photodetectors Fabricated on a Polymeric Waveguide. IEEE Journal of Selected Topics in Quantum Electronics, 2004, 10, 70-78.	1.9	82
954	Synthesis and electroluminescent properties of substituted benzoate bis (8-hydroxyquinaldine) gallium (III) complexes. Journal of Materials Science, 2004, 39, 1405-1406.	1.7	6
955	Recent Advances in Luminescent Monomeric, Multinuclear, and Polymeric Zn(II) and Cd(II) Coordination Complexes. Australian Journal of Chemistry, 2004, 57, 703.	0.5	399
956	Electroluminescent property of tetrakis(phenyl)porphyrin carbonyl ruthenium (II). Science Bulletin, 2004, 49, 1816-1819.	1.7	0
957	Temperature analysis for the point-cell source in the vapor deposition process. Journal of Mechanical Science and Technology, 2004, 18, 1680-1688.	0.4	2
958	Efficient white organic electroluminescent devices consisting of blue- and red-emitting layers. Materials Science and Engineering C, 2004, 24, 233-235.	3.8	13
959	Influence of atmospheric exposure of tris (8-hydroxyquinoline) aluminum (Alq3): a photoluminescence and absorption study. Applied Physics A: Materials Science and Processing, 2004, 78, 375-380.	1.1	39
960	Enhancement of green electroluminescence from 2,5-di-p-anisyl-isobenzofuran by double-layer doping strategy. Thin Solid Films, 2004, 446, 111-116.	0.8	14
961	Fabrication of conjugated polymer arrays by spinodal dewetting. Polymer International, 2004, 53, 1968-1972.	1.6	1
962	Soluble, saturated-red-light-emitting poly(p-phenylenevinylene) containing triphenylamine units and cyano groups. Journal of Polymer Science Part A, 2004, 42, 3947-3953.	2.5	20
963	Color Tuning in Benzo[1,2,5]thiadiazole-Based Small Molecules by Amino Conjugation/Deconjugation: Bright Red-Light-Emitting Diodes. Advanced Functional Materials, 2004, 14, 83-90.	7.8	331
964	Blue Luminescence of Facial Tris(quinolin-8-olato)aluminum(III) in Solution, Crystals, and Thin Films. Advanced Materials, 2004, 16, 861-864.	11.1	87
965	Efficient Organic Blue-Light-Emitting Devices with Double Confinement on Terfluorenes with Ambipolar Carrier Transport Properties. Advanced Materials, 2004, 16, 61-65.	11.1	350

#	Article	IF	Citations
966	Organic Polarized Light-Emitting Diodes via FÃ¶rster Energy Transfer Using Monodisperse Conjugated Oligomers. Advanced Materials, 2004, 16, 783-788.	11.1	112
967	Enhancing Solid-State Emission from Conjugated Polymers via Self-Forming Host-Guest Systems. Advanced Materials, 2004, 16, 716-719.	11.1	23
968	First Examples of Alkenyl Pyridines as Organic Ligands for Phosphorescent Iridium Complexes. Advanced Materials, 2004, 16, 2003-2007.	11.1	45
969	The conjugation effects on the luminescence properties of oligophenylenes for the OLED. Materials Science and Engineering C, 2004, 24, 163-165.	3.8	19
970	Comparison of the electroluminescence of a red fluorescent dye doped into the Alq3 and Alq3:rubrene mixed host. Materials Science and Engineering C, 2004, 24, 229-232.	3.8	24
971	CuPc buffer layer role in OLED performance: a study of the interfacial band energies. Organic Electronics, 2004, 5, 157-166.	1.4	103
972	Opposing influence of hole blocking layer and a doped transport layer on the performance of heterostructure OLEDs. Organic Electronics, 2004, 5, 187-198.	1.4	60
973	Spin polarised electrodes for organic light emitting diodes. Organic Electronics, 2004, 5, 309-314.	1.4	54
974	Synthesis of 5-alkoxymethyl- and 5-aminomethyl-substituted 8-hydroxyquinoline derivatives and their luminescent Al(III) complexes for OLED applications. Tetrahedron Letters, 2004, 45, 6265-6268.	0.7	47
975	Direct patterning of polymer-based photo luminescent structures with a mask. Thin Solid Films, 2004, 450, 329-333.	0.8	5
976	Non-reflective black cathode in organic light-emitting diode. Thin Solid Films, 2004, 446, 143-146.	0.8	34
977	Influence of spin methods on the performance of polymer light-emitting devices. Thin Solid Films, 2004, 466, 279-284.	0.8	5
978	Red hybrid organic light-emitting device fabricated with molecularly doped polyimide thin film containing hole-transporting nanoparticles. Solid-State Electronics, 2004, 48, 633-640.	0.8	8
979	Fine-tuning the luminescent properties of metal-chelating 8-hydroxyquinolines through amido substituents in 5-position. Inorganica Chimica Acta, 2004, 357, 33-40.	1.2	47
980	Time resolved luminescence properties of Alq3 for spin-injection into organic semiconductor. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1921-1923.	1.0	9
981	Synthesis, characterization and luminescence study of dimethyl(Î²-ketoiminato)gallium (-indium) complexes: crystal structure of dimethyl[1-phenyl-3-N-(4-methoxyphenylimino)-1-butanonato]gallium. Journal of Organometallic Chemistry, 2004, 689, 3461-3467.	0.8	19
982	Delayed fluorescence and phosphorescence of tris-(8-hydroxyquinoline)aluminum (Alq3) and their temperature dependence. Journal of Luminescence, 2004, 110, 200-206.	1.5	20
983	Transparent manganite films as hole injectors for organic light emitting diodes. Journal of Luminescence, 2004, 110, 384-388.	1.5	28

#	Article	IF	Citations
984	Excitonâ€“dopant and excitonâ€“charge interactions in electronically doped OLEDs. Journal of Luminescence, 2004, 110, 396-406.	1.5	17
985	UVâ€“VIS and mid-IR ellipsometer characterization of layers used in OLED devices. Journal of Luminescence, 2004, 110, 407-412.	1.5	12
986	Study on polystyrene thin film on glass substrate by scanning acoustic microscope. Polymer, 2004, 45, 7563-7569.	1.8	17
987	Effects of tertiary butyl substitution on the charge transporting properties of rubrene-based films. Chemical Physics, 2004, 298, 119-123.	0.9	60
988	Interface gap states of 8-hydroxyquinoline aluminum induced by cesium metal. Chemical Physics Letters, 2004, 392, 40-43.	1.2	7
989	Anthracene derivative for a non-doped blue-emitting organic electroluminescence device with both excellent color purity and high efficiency. Chemical Physics Letters, 2004, 397, 1-4.	1.2	78
990	Singlet exciton interactions in solid films of Alq3. Chemical Physics Letters, 2004, 395, 321-326.	1.2	24
991	The study of the sublimable six-coordinated aluminum quinolate with sulfonamide substitutents. Chemical Physics Letters, 2004, 397, 302-305.	1.2	2
992	Near-infrared emission from tris(8-hydroxyquinoline) aluminum based microcavity light emitting diodes. Chemical Physics Letters, 2004, 399, 446-450.	1.2	6
993	Investigations on the electronic effects of the peripheral 4â€²-group on 5-(4â€²-substituted)phenylazo-8-hydroxyquinoline ligands: zinc and aluminium complexes. Dalton Transactions, 2004, , 2424-2431.	1.6	36
994	Optically pumped lasing from organic microcavity. Canadian Journal of Physics, 2004, 82, 481-487.	0.4	4
995	Synthesis and Photophysical Properties of C60â€Diphenylaminofluorene Dyad and Multiads. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 1387-1400.	1.2	18
996	Electrical and Optical Simulation of Tris (8-hydroxyquinoline) Aluminium-Based Microcavity Organic Light Emitting Diode (MOLED). , 0, , .		1
997	Highly efficient multilayer blue-light-emitting diodes based on carbazole fluorophores. , 2004, , .		0
998	Synthesis and electrogenerated chemiluminescence of donor-substituted phenylquinolinylethynes and phenylisoquinolinylethynes: effect of positional isomerismElectronic supplementary information (ESI) available: synthetic procedures, measurement details and characterization data of all compounds. See http://www.rsc.org/suppdata/ob/b4/b403775h/. Organic and Biomolecular Chemistry, 2004, 2, 1597.	1.5	53
999	Effect of dye concentration on the charge carrier transport in molecularly doped organic light-emitting diodes. Journal of Applied Physics, 2004, 95, 5778-5781.	1.1	49
1000	Splitting of the recombination zone in organic light emitting diodes by dye doping. Journal of Applied Physics, 2004, 95, 3749-3753.	1.1	23
1001	Stable styrylamine-doped blue organic electroluminescent device based on 2-methyl-9,10-di(2-naphthyl)anthracene. Applied Physics Letters, 2004, 85, 3301-3303.	1.5	249

#	Article	IF	Citations
1002	Preparation and Luminescence Properties of Polymers Containing Dialkoxyacenes. Chemistry of Materials, 2004, 16, 3373-3380.	3.2	18
1003	Synthesis, Crystal Structure, and Luminescent Properties of a Binuclear Gallium Complex with Mixed Ligands. Inorganic Chemistry, 2004, 43, 5096-5102.	1.9	65
1004	Ultrafast Exciton Dynamics in a Branched Molecule Investigated by Time-Resolved Fluorescence, Transient Absorption, and Three-Pulse Photon Echo Peak Shift Measurementsâ€. Journal of Physical Chemistry B, 2004, 108, 10484-10492.	1.2	71
1005	Efficient Green Coumarin Dopants for Organic Light-Emitting Devices. Organic Letters, 2004, 6, 1241-1244.	2.4	146
1006	Organometallic Complexes as Hole-Transporting Materials in Organic Light-Emitting Diodes. Inorganic Chemistry, 2004, 43, 1697-1707.	1.9	40
1007	Functionalized Pentacene Derivatives for Use as Red Emitters in Organic Light-Emitting Diodes. Journal of Physical Chemistry B, 2004, 108, 5492-5499.	1.2	114
1008	Interfacial Electronic Structure of Tris(8-hydroxyquinoline)aluminum (III) on Cu(111). Chemistry of Materials, 2004, 16, 750-756.	3.2	13
1009	Improved Structural Order, Stability, and Anion-Exchange Capacity of Cation-Mediated Bridged Hybrid Mesoscopic Materials by Using Chelating Ligands. Chemistry of Materials, 2004, 16, 3507-3512.	3.2	12
1010	Charge-Induced Luminescence Quenching in Organic Light-Emitting Diodes. Chemistry of Materials, 2004, 16, 4675-4680.	3.2	24
1011	Comparative Study on Tetrahedral and Tripodal Luminescent Silane and Methane Compounds with a 2,2â€˜-Dipyridylamino Group. Organometallics, 2004, 23, 5958-5966.	1.1	17
1012	Effects of Substrate Temperature on the Properties of Alq3Amorphous Layers Prepared by Vacuum Deposition. Japanese Journal of Applied Physics, 2004, 43, 1631-1632.	0.8	6
1013	Electropolymerization of Starburst Triarylamines and Their Application to Electrochromism and Electroluminescence. Chemistry of Materials, 2004, 16, 654-661.	3.2	138
1014	Methodology for optimizing viewing characteristics of top-emitting organic light-emitting devices. Applied Physics Letters, 2004, 84, 3966-3968.	1.5	93
1015	Light outcoupling efficiency of top-emitting organic light-emitting diodes. Applied Physics Letters, 2004, 84, 2986-2988.	1.5	180
1016	Laser threshold analysis of first- and second-order organic solid state distributed feedback laser. , 2004, , .		1
1017	5ÂÂAluminium, gallium, indium and thallium. Annual Reports on the Progress of Chemistry Section A, 2004, 100, 55-73.	0.8	4
1018	P-115: Efficient Blue Organic Electroluminescent Devices Based on a Stable Blue Host Material. Digest of Technical Papers SID International Symposium, 2004, 35, 710.	0.1	15
1019	Highly efficient blue organic light-emitting diode with high color purity using 4,4Ê¹-N,NÊ¹-dicarbazole-biphyenyl (CBP) doped with 1,4-bis[2-(3-N-ethylcarbazoryl) vinyl]benzene (BCzVB). Journal of the Society for Information Display, 2004, 12, 501.	0.8	2

#	Article	IF	Citations
1020	Solution and Solid-State Characterization of Alq3-Functionalized Polymers. Chemistry of Materials, 2004, 16, 1183-1188.	3.2	57
1021	FÃ¶rster energy transfer in combinatorial arrays of selective doped organic light-emitting devices. Applied Physics Letters, 2004, 84, 1201-1203.	1.5	30
1022	Tunable blue organic light emitting diode based on aluminum calixarene supramolecular complex. Applied Physics Letters, 2004, 85, 10-12.	1.5	29
1023	Ultrawide tuning range in doped organic solid-state lasers. Applied Physics Letters, 2004, 85, 1886-1888.	1.5	83
1024	The triplet state in tris-(8-hydroxyquinoline)aluminum. Journal of Applied Physics, 2004, 96, 6133-6141.	1.1	48
1025	Design, synthesis, characterization, and fluorescent studies of the first zinc-quinolate polymerElectronic supplementary information (ESI) available: experimental information on prepared compounds and characterization. See http://www.rsc.org/suppdata/cc/b4/b402289k/. Chemical Communications, 2004, , 1176.	2.2	35
1026	Luminescent Organoboron Quinolate Polymers. Journal of the American Chemical Society, 2004, 126, 7015-7018.	6.6	130
1027	Synthesis and Properties of Highly Fluorescent Indolizino[3,4,5-ab]isoindoles. Journal of the American Chemical Society, 2004, 126, 16793-16803.	6.6	114
1028	Charge-transfer states and white emission in organic light-emitting diodes: a theoretical investigation. Synthetic Metals, 2004, 141, 43-49.	2.1	11
1029	High-efficiency phosphorescent-guestâ€“polymeric-host organic light-emitting diodes. Synthetic Metals, 2004, 143, 75-79.	2.1	6
1030	Transient electroluminesence in alloy-based organic light-emitting diodes. Synthetic Metals, 2004, 143, 295-303.	2.1	14
1031	Photoluminescence of some aluminum(III) complexes. Synthetic Metals, 2004, 144, 121-124.	2.1	2
1032	High contrast ratio organic light-emitting devices based on CuPC as electron transport material. Synthetic Metals, 2004, 144, 279-283.	2.1	37
1033	Enhancement in brightness and efficiency of organic electroluminescent device using novel N,N-di(9-ethylcarbaz-3-yl)-3-methylaniline as hole injecting and transporting material. Synthetic Metals, 2004, 146, 85-89.	2.1	6
1034	Transport and luminescence in naphthyl phenylamine model compounds. Synthetic Metals, 2004, 147, 199-203.	2.1	24
1035	Phosphorescence and electrophosphorescence in thin films of tris-(8-hydoxyquinoline)aluminum(III) (Alq3). Synthetic Metals, 2004, 147, 97-100.	2.1	11
1036	Femtosecond Studies of Solvation and Intramolecular Configurational Dynamics of Fluorophores in Liquid Solution. Chemical Reviews, 2004, 104, 1929-1954.	23.0	265
1037	Using a terbium complex as an energy bridge to enhance energy transfer between polyvinyl carbazole and europium complexes. Journal of Materials Chemistry, 2004, 14, 1252.	6.7	16

#	Article	IF	Citations
1038	Electron Transport Materials for Organic Light-Emitting Diodes. Chemistry of Materials, 2004, 16, 4556-4573.	3.2	1,519
1039	Solution-Processible Small Molecular Organic Light-Emitting Diode Material and Devices Based on the Substituted Aluminum Quinolate. Chemistry of Materials, 2004, 16, 2862-2868.	3.2	50
1040	Highly efficient blue electroluminescence based on a new anthracene derivative. Synthetic Metals, 2004, 141, 245-249.	2.1	28
1041	29.4L: Late-News Paper: Dual Doped High Tg White Organic Light Emitting Devices on Silicon. Digest of Technical Papers SID International Symposium, 2004, 35, 1012.	0.1	12
1042	Active matrix OLED for rugged HMD and viewfinder applications. , 2004, , .		1
1043	Study on the OLED with mutual doped transitional layer. , 2004, , .		0
1044	P-112: Electroluminescence of Red Organic Light-Emitting Devices Using Rubrene as an Emitting Assist Dopant. Digest of Technical Papers SID International Symposium, 2004, 35, 698.	0.1	0
1045	11.1: High-Efficiency Color and White-Light-Emitting Polymer Devices with High-Index-of-Refraction Flexible Plastic Substrate. Digest of Technical Papers SID International Symposium, 2004, 35, 146.	0.1	4
1046	Conjugated dendrimers: a modular approach to materials for full-color displays. , 2004, 5214, 50.		0
1047	Electroluminescent Properties of Organic Light-Emitting Diodes with Blue-Emitting Alq. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2004, 17, 301-306.	0.1	15
1048	The Correlation between Glass Transition Point of Dopant and Device Life of OEL. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2004, 17, 297-299.	0.1	0
1050	Recovery behavior of mixed layer organic light-emitting devices. , 2005, , .		0
1051	Synthesis and Color Tuning Properties of Blue Highly Fluorescent Vinyl Polymers Containing a Pendant Pyrrolopyridazine. Macromolecules, 2005, 38, 4698-4704.	2.2	17
1052	22.1: Invited Paper: Color Tuning Dopants for Electrophosphorescent Devices: Toward Efficient Blue Phosphorescence from Metal Complexes. Digest of Technical Papers SID International Symposium, 2005, 36, 1058.	0.1	6
1053	P-142: Synthesis and Electroluminescent Properties of Various Carbazole Derivatives as HTL Layer. Digest of Technical Papers SID International Symposium, 2005, 36, 843.	0.1	0
1054	Light Emitting Materials and Devices of PPV Type Compounds Containing Quinolines. Journal of the Chinese Chemical Society, 2005, 52, 811-818.	0.8	10
1055	Bright and ultimately pure red electrophosphorescent diode bearing diphenylquinoxaline. IEICE Electronics Express, 2005, 2, 260-266.	0.3	16
1056	Green light-emitting devices based on soluble oligo(phenylenevinylenes). Applied Surface Science, 2005, 246, 458-463.	3.1	3

#	Article	IF	Citations
1057	Theoretical investigation of electro-luminescent properties in red emission DCM, DCJ, RED and DAD derivatives. Computational and Theoretical Chemistry, 2005, 716, 19-25.	1.5	12
1058	Molecular light emitting heterojunctions based on fully conjugated heterocyclic aromatic rigid-rod polymer poly-p-phenylenebenzobisthiazole. Thin Solid Films, 2005, 477, 174-181.	0.8	5
1059	Investigation of the recombination zone in the structure of red organic electroluminescent devices. Thin Solid Films, 2005, 488, 254-257.	0.8	2
1060	Novel structure of white organic electroluminescent devices. Solid-State Electronics, 2005, 49, 1595-1598.	0.8	0
1061	Improved white organic electroluminescent devices using fine mesh as an evaporation mask. Current Applied Physics, 2005, 5, 1-4.	1.1	10
1062	Effect of dye dopants in poly(methylphenyl silane) light-emitting devices. Current Applied Physics, 2005, 5, 71-74.	1.1	5
1063	Synthesis and electroluminescent properties of carbazolyl vinylene derivatives. Current Applied Physics, 2005, 5, 209-212.	1.1	6
1064	Development of highly stable organic electroluminescent devices with a doped co-host emitter system. Current Applied Physics, 2005, 5, 218-221.	1.1	21
1065	Organic light-emitting diode using a new DCM derivative as an efficient orangeâ€“red doping molecule. Current Applied Physics, 2005, 5, 244-248.	1.1	15
1066	Efficient inter-molecular energy transfer via dye-dopants in poly(methylphenylsilane) based electroluminescent devices. Current Applied Physics, 2005, 5, 293-296.	1.1	0
1067	Operation lifetimes of organic light-emitting devices with different layer structures. Chemical Physics Letters, 2005, 402, 335-339.	1.2	21
1068	High efficiency and long lifetime OLED based on a metal-doped electron transport layer. Chemical Physics Letters, 2005, 416, 234-237.	1.2	76
1069	Bright red-to-yellow organic light-emitting devices based on polarization-induced spectral shifts and broadening. Displays, 2005, 26, 185-189.	2.0	4
1070	Red electroluminescent azomethine dyes derived from diaminomaleonitrile. Dyes and Pigments, 2005, 64, 45-48.	2.0	31
1071	Synthesis and optical properties of pushâ€“pull type tetrapyrazinoporphyrazines. Dyes and Pigments, 2005, 65, 159-167.	2.0	44
1072	Near infrared polymer light-emitting diodes. Science Bulletin, 2005, 50, 957.	1.7	15
1073	Syntheses and Electroluminescence of Carbazole Substituted Distyrylarylene. Chinese Journal of Chemistry, 2005, 23, 454-458.	2.6	3
1074	Spinodal dewetting-A simple method to prepare conjugated polymer array. Journal of Applied Polymer Science, 2005, 98, 1412-1417.	1.3	1

#	Article	IF	Citations
1075	Doping-Induced Charge Trapping in Organic Light-Emitting Devices. Advanced Functional Materials, 2005, 15, 323-330.	7.8	78
1076	Red-Emitting Fluorenes as Efficient Emitting Hosts for Non-Doped, Organic Red-Light-Emitting Diodes. Advanced Functional Materials, 2005, 15, 231-238.	7.8	234
1077	Organic Solid Solutions: Formation and Applications in Organic Light-Emitting Diodes. Advanced Functional Materials, 2005, 15, 1781-1786.	7.8	30
1078	High-Purity-Blue and High-Efficiency Electroluminescent Devices Based on Anthracene. Advanced Functional Materials, 2005, 15, 1799-1805.	7.8	237
1079	Highly Efficient Non-Doped Blue Organic Light-Emitting Diodes Based on Fluorene Derivatives with High Thermal Stability. Advanced Functional Materials, 2005, 15, 1716-1721.	7.8	276
1080	Light Out-Coupling Efficiencies of Organic Light-Emitting Diode Structures and the Effect of Photoluminescence Quantum Yield. Advanced Functional Materials, 2005, 15, 1839-1844.	7.8	114
1081	New Trends in the Use of Transition Metal-Ligand Complexes for Applications in Electroluminescent Devices. Advanced Materials, 2005, 17, 1109-1121.	11.1	709
1082	New Iridium Complexes with Cyclometalated Alkenylquinoline Ligands as Highly Efficient Saturated Red-Light Emitters for Organic Light-Emitting Diodes. Advanced Materials, 2005, 17, 349-353.	11.1	99
1083	White Luminescence from Polymer Thin Films Containing Excited-State Intramolecular Proton-Transfer Dyes. Advanced Materials, 2005, 17, 2077-2082.	11.1	161
1084	Tunable Emission from Doped 1,3,5-Triphenyl-2-pyrazoline Organic Nanoparticles. Advanced Materials, 2005, 17, 2070-2073.	11.1	109
1085	Laser Oscillation in Monolithic Molecular Single Crystals. Advanced Materials, 2005, 17, 2073-2077.	11.1	144
1086	Positive/Negative Arrays of Organic Light-Emitting Diodes by a Surface-Tension-Driven Approach. Advanced Materials, 2005, 17, 2935-2939.	11.1	20
1087	Highly Efficient, Deep-Blue Doped Organic Light-Emitting Devices. Advanced Materials, 2005, 17, 2493-2497.	11.1	283
1088	Synthesis of Diphenylamine-Substituted Phenylazomethine Dendrimers and the Performance of Organic Light-Emitting Diodes. Macromolecular Chemistry and Physics, 2005, 206, 635-641.	1.1	38
1089	Novel Supramolecular Polymers Based on Zinc-Salen Chromophores for Efficient Light-Emitting Diodes. Macromolecular Chemistry and Physics, 2005, 206, 2373-2380.	1.1	32
1090	Effect of electric fields on photoluminescence of 4-(dicyanomethylene)-2-methyl-6-(p-dimethylaminostyryl)-4H-pyran. Applied Physics A: Materials Science and Processing, 2005, 80, 1753-1756.	1.1	4
1091	Energy transfer in a thin film of TPD fluorescent molecules doped with PtOEP and Ir(ppy)3 phosphorescent molecules. Applied Physics B: Lasers and Optics, 2005, 81, 93-99.	1.1	11
1092	Electroluminescence characteristics of a novel biphenyl derivative with benzoxazole for organic light-emitting diodes. Current Applied Physics, 2005, 5, 75-78.	1.1	3

#	Article	IF	Citations
1093	Synthesis and characterisation of soluble aluminium complex dyes based on 5-substituted-8-hydroxyquinoline derivatives for OLED applications. Dyes and Pigments, 2005, 66, 89-97.	2.0	48
1094	Temperature analysis for the linear cell in the vapor deposition process. Journal of Mechanical Science and Technology, 2005, 19, 1329-1337.	0.7	2
1095	The Fluorescent Quantum Efficiency of Copolymers Containing Coumarin-6 at the Side-chain. Journal of Polymer Research, 2005, 12, 53-59.	1.2	23
1096	Syntheses and optical properties of ?- and ?-cyano-poly(p-phenylene vinylene) derivatives. Journal of Polymer Research, 2005, 11, 257-264.	1.2	2
1097	Theoretic and Experimental Study of Photoprocesses in Substituted 4-Dicyanomethylene-4H-pyrans. High Energy Chemistry, 2005, 39, 403-407.	0.2	8
1098	Novel soluble europium complex for light-emitting material. Journal of Materials Science, 2005, 40, 809-810.	1.7	0
1099	Concentration quenching of a red emitting electroluminescent dye tetraphenylporphyrin: A time-resolved photoluminescence study. Journal of Materials Science: Materials in Electronics, 2005, 16, 549-552.	1.1	7
1100	Improving the current efficiency of organic light-emitting device utilizing the well structure. Optical and Quantum Electronics, 2005, 37, 371-376.	1.5	3
1101	Efficient Electroluminescence from a Quinacridone sub-monolayer inserted in a narrow exciton formation zone confined by a blocking layer. Optical and Quantum Electronics, 2005, 37, 433-439.	1.5	2
1102	Luminescent compounds diphenylboron analogs of Alq3 and its methyl substituents: A theoretical investigation of their electronic and spectroscopic properties. International Journal of Quantum Chemistry, 2005, 103, 775-780.	1.0	24
1103	Spectroscopic and DFT studies of donor-acceptor molecules containing phenylquinoline and phenothiazine moieties in various redox states. International Journal of Quantum Chemistry, 2005, 104, 635-644.	1.0	7
1104	Insights into OLED functioning through coordinated experimental measurements and numerical model simulations. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 9-36.	0.8	44
1106	Reduction of Concentration Quenching in a Nondoped DCM Organic Light-Emitting Diode. Chinese Physics Letters, 2005, 22, 1536-1539.	1.3	14
1107	Photoelectron spectroscopy studies of the electronic structures of Al/RbF and Al/CaF2cathodes for Alq3â€based organic lightâ€emitting devices. Journal of Information Display, 2005, 6, 28-32.	2.1	1
1108	Optical Interference as a Tool to Describe the Spectral Changes Created by a Tunable and Controllable Excitons Confinement. Materials Research Society Symposia Proceedings, 2005, 871, 1.	0.1	2
1109	Using holography to increase the light output efficiency of an organic light-emitting diodeâ€"angular, wavelength, and near-field effects. Optical Engineering, 2005, 44, 111306.	0.5	3
1110	Molecular Organic White Light-Emitting Devices Fabricated by a Simple Way through Nondoped Process. Materials Science Forum, 2005, 475-479, 1905-1908.	0.3	0
1111	A unique point OLED source. , 2005, , .		0

#	Article	IF	Citations
1112	A pentacene-doped hole injection layer for organic light-emitting diodes. Semiconductor Science and Technology, 2005, 20, 1213-1216.	1.0	14
1113	Optical and Electrical Characteristics of Organic Light-Emitting Diodes with Two-Dimensional Photonic Crystals in Organic/Electrode Layers. Japanese Journal of Applied Physics, 2005, 44, 3669-3677.	0.8	88
1114	Cavity design and optimization for organic microcavity OLEDs. , 2005, , .		3
1115	Organic Electroluminescence Devices Based on Mixture of Aluminumâ€“Hydroxyquinoline Complex and Compound with Low Dielectric Constant. Japanese Journal of Applied Physics, 2005, 44, 6245-6248.	0.8	4
1116	Efficiency and Color Coordinate Improvement Using Codopants in Blue Organic Light-Emitting Diode. Japanese Journal of Applied Physics, 2005, 44, 8480-8483.	0.8	14
1117	Polarized White Emission from Fluorene-Based Polymer Blends. Japanese Journal of Applied Physics, 2005, 44, 7648-7653.	0.8	15
1118	Influence of doping location and width of dimethylquinacridone on the performance of organic light emitting devices. Journal Physics D: Applied Physics, 2005, 38, 392-396.	1.3	11
1119	Interface Control between Pentacene Film and Si(001) by Chemisorbed Buffer Monolayer. Japanese Journal of Applied Physics, 2005, 44, 514-518.	0.8	6
1120	Enhancement of Luminance Yield of Blue Organic Light-Emitting Diode. Japanese Journal of Applied Physics, 2005, 44, 2837-2840.	0.8	3
1121	Studies of kinetics of charge carrier recombination in organic light-emitting diodes based on beryllium complexes by transient electroluminescence. Journal Physics D: Applied Physics, 2005, 38, 3366-3370.	1.3	17
1122	Separately Doped Structures for Red Organic Light-Emitting Diodes. Japanese Journal of Applied Physics, 2005, 44, 2833-2836.	0.8	2
1123	Triplet exciton diffusion in fac-tris(2-phenylpyridine) iridium(III)-cored electroluminescent dendrimers. Applied Physics Letters, 2005, 86, 091104.	1.5	114
1124	Photoluminescence from 8-hydroxy quinoline aluminum embedded in porous anodic alumina membrane. Applied Physics Letters, 2005, 87, 151910.	1.5	24
1125	Vanadium-doped indium tin oxide as hole-injection layer in organic light-emitting devices. Applied Physics Letters, 2005, 87, 243510.	1.5	6
1126	Electronic structure of Cs-doped tris(8-hydroxyquinoline) aluminum. Applied Physics Letters, 2005, 86, 213508.	1.5	56
1127	Metal-induced photoluminescence quenching of tri-(8-hydroxyquinoline) aluminum. Applied Physics Letters, 2005, 87, 044104.	1.5	30
1128	White organic light-emitting diodes prepared by a fused organic solid solution method. Applied Physics Letters, 2005, 86, 073510.	1.5	94
1129	Improvement in performance of transparent organic light-emitting diodes with increasing sputtering power in the deposition of indium tin oxide cathode. Applied Physics Letters, 2005, 86, 093504.	1.5	23

#	Article	IF	Citations
1130	Molecular and solid-state (8-hydroxy-quinoline)aluminum interaction with magnesium: A first-principles study. Journal of Applied Physics, 2005, 98, 023707.	1.1	15
1131	Singlet-singlet and singlet-heat annihilations in fluorescence-based organic light-emitting diodes under steady-state high current density. Applied Physics Letters, 2005, 86, 213506.	1.5	92
1132	Influence of an external magnetic field on the singlet and triplet emissions of tris-(8-hydroxyquinoline)aluminum(III) (Alq3). Journal of Applied Physics, 2005, 98, 104507.	1.1	50
1133	High peak luminance of molecularly dye-doped organic light-emitting diodes under intense voltage pulses. Journal of Applied Physics, 2005, 98, 044506.	1.1	15
1134	Ohmic cathode for low-voltage organic light-emitting diodes. Applied Physics Letters, 2005, 86, 143511.	1.5	60
1135	Energy structures and chemical reactions at the Alâ•LiFâ•Alq3 interfaces studied by synchrotron-radiation photoemission spectroscopy. Applied Physics Letters, 2005, 87, 212108.	1.5	60
1136	X-ray photoemission spectroscopy and Fourier transform infrared studies of dye molecule doped conducting polymer films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2005, 23, 869-874.	0.9	3
1137	Color Tuning Dopants for Electrophosphorescent Devices: Efficient Blue Phosphorescence Pyrrazole and Carbene Complexes. , 0, , .		0
1138	Improved performance and stability of organic light-emitting devices with Alâ€“Cu alloy cathode. Applied Physics Letters, 2005, 86, 093508.	1.5	13
1139	Efficiency enhancement of 1,1,2,3,4,5-hexaphenylsilole-based organic light-emitting dioades by post-packaging annealing. , 2005, , .		0
1140	Bright white organic light-emitting diodes based on two blue emitters with similar molecular structures. Journal of Applied Physics, 2005, 97, 114503.	1.1	27
1141	34.2: Optical Simulation of OLED Devices and Its Application for Determination of Emitting Zone. Digest of Technical Papers SID International Symposium, 2005, 36, 1276.	0.1	6
1142	SYNTHESIS AND ELECTROLUMINESCENT PROPERTY OF ALUMINUM AND Î±-PYRIDOIN COMPLEX. Journal of Nonlinear Optical Physics and Materials, 2005, 14, 505-512.	1.1	0
1143	High-Efficiency Color and White Organic Light-Emitting Devices Prepared on Flexible Plastic Substrates. Japanese Journal of Applied Physics, 2005, 44, 608-612.	0.8	27
1144	Combinatorial Fabrication and Screening of Organic Light-Emitting Device Arrays. Materials Research Society Symposia Proceedings, 2005, 894, 1.	0.1	0
1145	Characterization for Organic Solid Solution and Formation of Organic Electronics. Materials Research Society Symposia Proceedings, 2005, 871, 1.	0.1	0
1146	High efficiency polymer electrophosphorescent light-emitting diodes. Semiconductor Science and Technology, 2005, 20, 805-808.	1.0	7
1147	Synthesis of OLED Materials of Several Triarylamines by Palladium Catalysts and Their Light Emitting Property. Journal of Chemical Research, 2005, 2005, 558-560.	0.6	10

#	Article	IF	Citations
1148	Red organic light-emitting diode with non-doping DCM as emitter. , 2005, , .		0
1149	Time-resolved photoluminescence study on concentration quenching of a red emitting tetraphenylchlorin dye for organic electroluminescent devices. Synthetic Metals, 2005, 150, 9-13.	2.1	11
1150	Synthesis, thermal, electrochemical, and photophysical characterization of 1,5-bis(diarylamino)naphthalene derivatives as potential hole transport OLED materials. Canadian Journal of Chemistry, 2005, 83, 958-968.	0.6	7
1151	Lost Hole-Blocking Property of Blue-Emitting Alq by Inserting Detached Layer. Japanese Journal of Applied Physics, 2005, 44, 6772-6775.	0.8	3
1152	Electrical characteristics of organic light-emitting diodes with the thickness variation of buffer layer. , 2005, , .		0
1153	Bisindoles containing a 2,1,3-benzothiadiazole unit: novel non-doping red organic light-emitting diodes with excellent color purity. Chemical Communications, 2005, , 1468.	2.2	47
1154	Bi-substituted Effect on Phenylisoquinoline Iridium(III) Complexes. Organometallics, 2005, 24, 6230-6238.	1.1	28
1155	Dibenzosuberenylidene-Ended Fluorophores:Â Rapid and Efficient Synthesis, Characterization, and Aggregation-Induced Emissions. Journal of Physical Chemistry B, 2005, 109, 19627-19633.	1.2	100
1156	Synthesis and Luminescent Properties of Fluorene Copolymers Bearing DCM Pendants. Macromolecules, 2005, 38, 6336-6345.	2.2	28
1157	A new family of bis-DCM based dopants for red OLEDs. Journal of Materials Chemistry, 2005, 15, 2470-2475.	6.7	54
1158	Syntheses, Structures, Photoluminescence, and Theoretical Studies of a Class of Beryllium(II) Compounds of Aromatic N,O-Chelate Ligands. Inorganic Chemistry, 2005, 44, 4270-4275.	1.9	95
1159	Asymmetric Indolylmaleimide Derivatives and Their Complexation with Zinc(II)â^'Cyclen. Journal of Physical Chemistry A, 2005, 109, 9443-9455.	1.1	21
1160	Aminonaphthalic Anhydrides as Red-Emitting Materials:Â Electroluminescence, Crystal Structure, and Photophysical Properties. Journal of Physical Chemistry B, 2005, 109, 5509-5517.	1.2	41
1161	Dynamics of a high-Q vertical-cavity organic laser. Applied Physics Letters, 2005, 87, 181108.	1.5	98
1162	Electroluminescence-detected magnetic resonance studies of Pt octaethyl porphyrin-based phosphorescent organic light-emitting devices. Physical Review B, 2005, 71, .	1.1	22
1163	Effect of Residual Solvent on Ru(bpy)3(ClO4)2-Based Light-Emitting Electrochemical Cells. Chemistry of Materials, 2005, 17, 6403-6406.	3.2	27
1164	Recent Development of Blue Fluorescent OLED Materials and Devices. Journal of Display Technology, 2005, 1, 90-99.	1.3	211
1165	Advanced Organic Light-Emitting Devices for Enhancing Display Performances. Journal of Display Technology, 2005, 1, 248-266.	1.3	130

#	Article	IF	Citations
1166	Highly efficient deep-blue organic light-emitting diodes with doped transport layers. Synthetic Metals, 2005, 148, 205-211.	2.1	82
1167	A study on the dual emissions of organic light emitting devices. Synthetic Metals, 2005, 149, 59-62.	2.1	11
1168	Characterizaton of tetracene-based electroluminescent devices produced by cluster beam deposition methods. Synthetic Metals, 2005, 153, 209-212.	2.1	18
1169	Synthesis and EL properties of aluminum and Î±-pyridoin complex. Synthetic Metals, 2005, 153, 201-204.	2.1	1
1170	Pure red electrophosphorescent organic light-emitting diodes based on a new iridium complex. Synthetic Metals, 2005, 155, 168-171.	2.1	30
1171	Modelling of the laser dynamics of electrically pumped organic semiconductor laser diodes. , 2005, , .		5
1172	Mixed host organic light-emitting devices with low driving voltage and long lifetime. Applied Physics Letters, 2005, 86, 103506.	1.5	105
1173	Photopumped laser oscillation and charge-injected luminescence from organic semiconductor single crystals of a thiophene/phenylene co-oligomer. Applied Physics Letters, 2005, 87, 221113.	1.5	111
1174	Calcium/Poly(9,9-dioctylfluorene) Interaction:â€‰ A Theoretical Study. Journal of Physical Chemistry B, 2005, 109, 12868-12873.	1.2	9
1175	Heterocyclic quinol-type fluorophores. Synthesis of novel imidazoanthraquinol derivatives and their photophysical properties in benzene and in the crystalline state. New Journal of Chemistry, 2005, 29, 447.	1.4	62
1176	Increased electrophosphorescent efficiency in organic light emitting diodes by using an exciton-collecting structure. Journal of Applied Physics, 2005, 97, 044505.	1.1	32
1177	Recombination zone in mixed-host organic light-emitting devices. Applied Physics Letters, 2006, 89, 163511.	1.5	70
1178	Novel high-Tg poly(amine-imide)s bearing pendent N-phenylcarbazole units: synthesis and photophysical, electrochemical and electrochromic properties. Journal of Materials Chemistry, 2006, 16, 1831.	6.7	107
1179	Synthesis, Photophysical, and Electrochromic Characterization of Wholly Aromatic Polyamide Blue-Light-Emitting Materials. Macromolecules, 2006, 39, 5337-5346.	2.2	122
1180	Ab initiostudy of the self-assembly of phenosafranin to carbon nanotubes. Physical Review B, 2006, 73, .	1.1	6
1181	Anomalous Anthracene Arrangement and Rare Excimer Emission in the Solid State:â€‰ Transcription and Translation of Molecular Information. Organic Letters, 2006, 8, 4295-4298.	2.4	94
1182	Highly efficient green light emitting polyfluorene incorporated with 4-diphenylamino-1,8-naphthalimide as green dopant. Journal of Materials Chemistry, 2006, 16, 1431.	6.7	69
1183	Syntheses, Structures, and Luminescent Properties of Isomorphous Hydroxo-Bridged Aluminum(III) and Indium(III) Compounds with 2-(2-Hydroxyphenyl)benzimidazole. Australian Journal of Chemistry, 2006, 59, 653.	0.5	25

#	Article	IF	Citations
1184	Electric-field-induced fluorescence quenching in dye-doped tris(8-hydroxyquinoline) aluminum layers. Applied Physics Letters, 2006, 89, 103505.	1.5	30
1185	Blue light-emitting polymer with polyfluorene as the host and highly fluorescent 4-dimethylamino-1,8-naphthalimide as the dopant in the sidechain. Applied Physics Letters, 2006, 88, 083505.	1.5	46
1186	Porphyrin-Cored Star Polymers as Efficient Nondoped Red Light-Emitting Materials. Macromolecules, 2006, 39, 456-461.	2.2	89
1187	Surface plasmon coupling in hexagonal textured metallic microcavity. Applied Physics Letters, 2006, 89, 131123.	1.5	3
1188	Synthesis and Fluorescence of 6-(4-Dimethylaminophenyl)- and 6-[2-(4-N,N-Disubstituted) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 587 Td Heterocycles, 2006, 68, 1105.	0.4	10
1189	Effects of metal-doped indium-tin-oxide buffer layers in organic light-emitting devices. Journal of Applied Physics, 2006, 99, 114515.	1.1	5
1190	Efficient, color-stable fluorescent white organic light-emitting diodes with single emission layer by vapor deposition from solvent premixed deposition source. Applied Physics Letters, 2006, 88, 193501.	1.5	72
1191	Enhancing light outcoupling of organic light-emitting devices by locating emitters around the second antinode of the reflective metal electrode. Applied Physics Letters, 2006, 88, 081114.	1.5	125
1192	Highly efficient white-light-emitting diodes fabricated with short-wavelength yellow oxynitride phosphors. Applied Physics Letters, 2006, 88, 101104.	1.5	212
1193	Synthesis of novel triphenylamine-based conjugated polyelectrolytes and their application as hole-transport layers in polymeric light-emitting diodes. Journal of Materials Chemistry, 2006, 16, 2387.	6.7	80
1194	Blue emitting pentacoordinated Al(iii) complexes based on 2-methylquinolin-8-olate and substituted phenolate ligands. The role of phenolate derivatives on emission and absorption properties. Dalton Transactions, 2006, , 330-339.	1.6	19
1195	Improving the Luminous Efficiency of Organic Light Emitting Diodes using a Modulated Doping Hole Injection Layer. , 2006, , .		0
1196	Study on photoluminescence from tris-(8-hydroxyquinoline)aluminum thin films and influence of light. Applied Physics Letters, 2006, 89, 082106.	1.5	47
1197	Molecular design of novel non-planar heteropolycyclic fluorophores with bulky substituents: convenient synthesis and solid-state fluorescence characterization. Organic and Biomolecular Chemistry, 2006, 4, 3406.	1.5	70
1198	Organophosphorus Ï€-Conjugated Materials. Chemical Reviews, 2006, 106, 4681-4727.	23.0	965
1199	Trap levels in tris(8-hydroxyquinoline) aluminum studied by deep-level optical spectroscopy. Applied Physics Letters, 2006, 88, 252104.	1.5	8
1200	A covalently bonded AlQ3/SiO2 hybrid material with blue light emission by a conventional solâ€“gel approach. Chemical Communications, 2006, , 880.	2.2	24
1201	Red to near-infrared electrophosphorescence from a platinum complex coordinated with 8-hydroxyquinoline. Applied Physics Letters, 2006, 89, 233506.	1.5	27

#	Article	IF	Citations
1202	Enhanced light emission from one-layered organic light-emitting devices doped with organic salt by simultaneous thermal and electrical annealing. Applied Physics Letters, 2006, 89, 103507.	1.5	14
1203	Luminescence Tuning of Organoboron Quinolates through Substituent Variation at the 5-Position of the Quinolato Moiety. Organic Letters, 2006, 8, 5227-5230.	2.4	126
1204	Photophysical Properties of Dioxolane-Substituted Pentacene Derivatives Dispersed in Tris(quinolin-8-olato)aluminum(III). Journal of Physical Chemistry B, 2006, 110, 7928-7937.	1.2	55
1205	Dynamics of Energy Transfer of a Dioxolane-Substituted Pentacene Dispersed in 4,4-Bis[N-1-naphthyl-N-phenylamino]biphenyl. Journal of Physical Chemistry B, 2006, 110, 10606-10611.	1.2	14
1206	Polymeric conducting anode for small organic transporting molecules in dark injection experiments. Journal of Applied Physics, 2006, 100, 063708.	1.1	73
1207	Conjugated alternating copolymers of fluorene and 2-pyridine-4-ylidenemalononitrile: synthesis, characterization and electroluminescent properties. Journal of Materials Chemistry, 2006, 16, 376-383.	6.7	31
1208	Electroluminescence of Bisindolylmaleimide Derivatives Containing Pentafluorophenyl Substituents. Chemistry of Materials, 2006, 18, 832-839.	3.2	33
1209	6-N,N-Diphenylaminobenzofuran-Derived Pyran Containing Fluorescent Dyes:â€‰ A New Class of High-Brightness Red-Light-Emitting Dopants for OLED. Organic Letters, 2006, 8, 2623-2626.	2.4	55
1210	Red Phosphorescent Material Doped in the Hole- and Electron-Transport Layer of Organic Light-Emitting Device. , 2006, , .		0
1211	Synthesis and EL Properties of Light-Emitting Polymers by Gilch Polymerization. Molecular Crystals and Liquid Crystals, 2006, 444, 1-11.	0.4	0
1212	A New Class of HighTgand Organosoluble Aromatic Poly(amineâ^'1,3,4-oxadiazole)s Containing Donor and Acceptor Moieties for Blue-Light-Emitting Materials. Macromolecules, 2006, 39, 6036-6045.	2.2	66
1213	Theoretical investigations of triphenylamine derivatives as hole transporting materials in OLEDs: Correlation of the Hammett parameter of the substituent to ionization potential, and reorganization energy level. Computational Materials Science, 2006, 38, 105-112.	1.4	28
1214	Radiation Simulations of Top-Emitting Organic Light-Emitting Devices With Two- and Three-Microcavity Structures. Journal of Display Technology, 2006, 2, 130-137.	1.3	19
1215	Maximizing<tex>$hbox Alq_3$</tex>OLED Internal and External Efficiencies: Charge Balanced Device Structure and Color Conversion Outcoupling Lenses. Journal of Display Technology, 2006, 2, 143-152.	1.3	61
1216	Electromagnetic modeling of organic light-emitting devices. Journal of Lightwave Technology, 2006, 24, 2450-2457.	2.7	24
1217	A novel strategy for fluorescence enhancement in the solid-state: affording rigidity to fluorophores packing. Chemical Communications, 2006, , 2126.	2.2	82
1218	Synthesis, Crystal Structure, and Prediction of Hole Mobilities of 2,7â€˜-Ethylenebis(8-hydroxyquinoline). Crystal Growth and Design, 2006, 6, 1697-1702.	1.4	14
1219	Synthesis and optical properties of aluminum and zinc quinolates through styryl subsituent in 2-position. Synthetic Metals, 2006, 156, 865-871.	2.1	38

#	Article	IF	Citations
1220	Photophysical properties and electroluminescent applications of donorâ€“acceptorâ€“donor functionalized red electroactive fluorescent materials. Synthetic Metals, 2006, 156, 1174-1181.	2.1	10
1221	Exciton migration in organic thin films. Journal of Applied Physics, 2006, 100, 023712.	1.1	12
1222	Photoluminescence Characteristics of Dendrimers Containing (tris (8-hydroxyquinoline) aluminum) as a Core Unit. Kobunshi Ronbunshu, 2006, 63, 675-680.	0.2	0
1223	Dramatic Effects of the Substituents on the Solid-state Fluorescence Properties of Structural Isomers of Novel Benzofuro[2,3-c]oxazolocarbazole-type Fluorophores. Chemistry Letters, 2006, 35, 902-903.	0.7	36
1224	Improved Performance of Organic Light-emitting Diodes with a New Hole-transporting Material. Chemistry Letters, 2006, 35, 120-121.	0.7	4
1225	Organic photonic devices utilizing nano-structured materials. , 2006, , .		0
1226	Optically pumped organic semiconductor laser with low temperature-cleaved mirrors. , 2006, , .		0
1227	29.1: 200 cd/A Microcavity Two-Unit Tandem Organic Light-Emitting Devices. Digest of Technical Papers SID International Symposium, 2006, 37, 1284.	0.1	0
1228	Photoinduced Electron Transfer and Electronâ€Mediating Systems of [60]Fullerene and Triphenylamine Derivatives in the Presence of Viologen Dication in Polar Solvent. Journal of the Chinese Chemical Society, 2006, 53, 93-100.	0.8	1
1229	Evaluation of inorganic and organic light-emitting diode displays for signage application. Proceedings of SPIE, 2006, , .	0.8	0
1230	P-188: Fully Substituted Ethylene as a New Class of Highly Efficient Blue Emitting Materials for OLEDs. Digest of Technical Papers SID International Symposium, 2006, 37, 935.	0.1	1
1231	Synthesis and Characterization of Donorâ€Acceptorâ€Substituted Fluorene Fluorophores for Nonâ€Doped Red Organic Light Emitting Diodes. Journal of the Chinese Chemical Society, 2006, 53, 1325-1334.	0.8	5
1232	P-201: High Efficiency Organic Light-Emitting Diodes by a Co-Guest Emitter System. Digest of Technical Papers SID International Symposium, 2006, 37, 982.	0.1	0
1233	Operating longevity of organic light-emitting diodes with perylene derivatives as aggregating light-emitting-layer additives: Expansion of the emission zone. Journal of Applied Physics, 2006, 100, 094907.	1.1	23
1234	Electroluminescent properties of a partially-conjugated hyperbranched poly(p-phenylene vinylene). Polymers for Advanced Technologies, 2006, 17, 145-149.	1.6	26
1235	Blue-light-emitting and anodically electrochromic materials of new wholly aromatic polyamides derived from the high-efficiency chromophore 4,4â€²-dicarboxy-4â€³-methyltriphenylamine. Journal of Polymer Science Part A, 2006, 44, 4095-4107.	2.5	23
1236	Synthesis and photoluminescent and electrochromic properties of aromatic poly(amine amide)s bearing pendentN-carbazolylphenyl moieties. Journal of Polymer Science Part A, 2006, 44, 4108-4121.	2.5	51
1237	Organic light-emitting diode (OLED) technology: materials, devices and display technologies. Polymer International, 2006, 55, 572-582.	1.6	829

#	Article	IF	Citations
1238	Synthesis and evaluation of photoluminescent and electrochemical properties of new aromatic polyamides and polyimides with a kink 1,2-phenylenediamine moiety. Journal of Polymer Science Part A, 2006, 44, 2587-2603.	2.5	51
1239	Emission Characteristics of PVK Doped TbY(o-MBA)6(phen)2 Systems. Journal of Rare Earths, 2006, 24, 150-154.	2.5	5
1240	Electroluminescence Based on Eu0.5La0.5(TTA)3phen Doped Poly N-Vinylcarbazole. Journal of Rare Earths, 2006, 24, 529-532.	2.5	1
1241	Relationship between exciton recombination zone and applied voltage in organic light-emitting diodes. Displays, 2006, 27, 108-111.	2.0	6
1242	Organic/Inorganic cluster salt for non-doping pure red electroluminescent devices. Inorganic Chemistry Communication, 2006, 9, 942-945.	1.8	2
1243	Electroluminescence of co-ligated aluminum complex of Î±-pyridoin and 8-hydroxyquinoline. Current Applied Physics, 2006, 6, 596-600.	1.1	1
1244	Numerical analysis of OLED using the hetero electrode. Current Applied Physics, 2006, 6, 654-657.	1.1	2
1245	Ultraviolet photoelectron spectroscopy investigation of interface formation in an indiumâ€“tin oxide/fluorocarbon/organic semiconductor contact. Applied Surface Science, 2006, 252, 3806-3811.	3.1	15
1246	Electroluminescent mechanism of organic light-emitting diodes with blue-emitting Alq. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 284-285, 594-598.	2.3	10
1247	Ultrafast photo-conductivity in BAMH-PPV polymer thin-films. Chemical Physics Letters, 2006, 419, 292-296.	1.2	7
1248	Important role of molecular permanent dipoles of the Alq3/Al interface studied from first-principles. Chemical Physics Letters, 2006, 420, 523-528.	1.2	39
1249	Temperature-dependent photoluminescence of organic light-emitting materials: Types and characteristics of excitons involved in the emitting process. Chemical Physics Letters, 2006, 420, 347-353.	1.2	20
1250	Enhancement of carrier mobility in MEH-PPV film prepared under presence of electric field. Chemical Physics Letters, 2006, 425, 353-355.	1.2	39
1251	Probing recombination-rate distribution in organic light-emitting devices with mixed-emitter structure. Chemical Physics Letters, 2006, 427, 305-309.	1.2	19
1252	Efficient blue organic light-emitting devices based on novel anthracence derivatives with pronounced thermal stability and excellent film-forming property. Chemical Physics Letters, 2006, 429, 622-627.	1.2	51
1253	Structure and properties of multibranched isophorone-based materials for organic light-emitting diodes. Chemical Physics Letters, 2006, 432, 321-325.	1.2	17
1254	Synthesis, photoluminescent and electrochromic properties of new aromatic poly(amine-hydrazide)s and poly(amine-1,3,4-oxadiazole)s derived from 4,4â€²-dicarboxy-4â€³-methyltriphenylamine. European Polymer Journal, 2006, 42, 2283-2291.	2.6	13
1255	Synthesis, crystal structure and photoluminescence of 3-(1-benzotriazole)-4-methyl-coumarin. Journal of Molecular Structure, 2006, 791, 18-22.	1.8	52

#	Article	IF	Citations
1256	Color tuning of iridium complexes â€“ Part I: Substituted phenylisoquinoline-based iridium complexes as the triplet emitter. Inorganica Chimica Acta, 2006, 359, 441-450.	1.2	53
1257	Synthesis, crystal structure and electroluminescent properties of a Schiff base zinc complex. Inorganica Chimica Acta, 2006, 359, 2246-2251.	1.2	100
1258	Synthesis, crystallography and photoluminescence of a new pyrazolonato iridium complex. Inorganica Chimica Acta, 2006, 359, 4355-4359.	1.2	16
1259	High efficiency white organic light-emitting diodes based on double recombination zones. Optical Materials, 2006, 28, 966-969.	1.7	9
1260	Alkali metal doping and energy level shift in organic semiconductors. Applied Surface Science, 2006, 252, 3943-3947.	3.1	20
1261	Improved performance and stability by an Al/Ni bilayer cathode in organic light-emitting diodes. Applied Surface Science, 2006, 253, 1551-1554.	3.1	10
1262	Bathochromic effect of trifluoromethyl-substituted 2-naphthalen-1-yl-pyridine ligands in color tuning of iridium complexes. Polyhedron, 2006, 25, 2407-2414.	1.0	22
1263	Sequestration of electroactive materials in a high Tg, insulating polymer matrix for optoelectronic applications. Part 1. Light emitting diode devices. Polymer, 2006, 47, 4115-4123.	1.8	2
1264	New soluble triphenylamine-based amorphous aromatic polyamides for high performance blue-emitting hole-transporting and anodically electrochromic materials. Polymer, 2006, 47, 7013-7020.	1.8	19
1265	Synthesis, characterization and electroluminescence of B(III) compounds: BPh2(2-(2-quinolyl)naphtho[b]imidazolato) and BPh2(2-(2-quinolyl)benzimidazolato). Journal of Organometallic Chemistry, 2006, 691, 1998-2004.	0.8	27
1266	Synthesis of reactive [Al(Et)(qâ€²)2] (qâ€²=2-methyl-8-quinolinolato) serving as a precursor of light emitting aluminum complexes: Reactivity, optical properties, and fluxional behavior of the aluminum complexes. Journal of Organometallic Chemistry, 2006, 691, 5016-5023.	0.8	14
1267	Transient absorption measurement of organic crystals with femtosecond-laser scanning microscopes. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 183, 253-260.	2.0	8
1268	Effect of doping on optical and transport properties of charge carriers in Alq3. Journal of Crystal Growth, 2006, 288, 115-118.	0.7	15
1269	White organic electroluminescent devices. Journal of Crystal Growth, 2006, 289, 559-563.	0.7	5
1270	Two peaks observed in the electroluminescence spectra of Alq3-based OLEDs. Journal of Luminescence, 2006, 118, 39-44.	1.5	6
1271	Efficient and stable single-dopant white OLEDs based on 9,10-bis (2-naphthyl) anthracene. Journal of Luminescence, 2006, 121, 568-572.	1.5	18
1272	Organic light emitting devices with doped electron transport and hole blocking layers. Materials Science and Engineering C, 2006, 26, 196-201.	3.8	13
1273	Optical properties of a series of tetraarylthiophenes. Optical Materials, 2006, 29, 407-409.	1.7	11

#	Article	IF	Citations
1274	Influence of ZnO nanorod on the luminescent and electrical properties of fluorescent dye-doped polymer nanocomposite. Optical Materials, 2006, 29, 216-219.	1.7	20
1275	Two-photon absorption properties of two (dicyanomethylene)-pyran derivatives. Optical Materials, 2006, 29, 337-341.	1.7	13
1276	Efficient, color-stable fluorescent white organic light-emitting diodes with an effective exciton-confining device architecture. Organic Electronics, 2006, 7, 8-15.	1.4	49
1277	All non-dopant redâ€“greenâ€“blue composing white organic light-emitting diodes. Organic Electronics, 2006, 7, 137-143.	1.4	31
1278	Transient analysis of triplet exciton dynamics in amorphous organic semiconductor thin films. Organic Electronics, 2006, 7, 375-386.	1.4	75
1279	Excimer emission from a novel ethyne-based fluorescent dye in organic light-emitting devices. Surface and Coatings Technology, 2006, 200, 3283-3288.	2.2	12
1280	A new yellow fluorescent dopant for high-efficiency organic light-emitting devices. Thin Solid Films, 2006, 496, 626-630.	0.8	46
1281	Synthesis, characterization, photophysics and electroluminescence based on a series of pyran-containing emitters. Thin Solid Films, 2006, 500, 224-230.	0.8	5
1282	Structure and properties of a novel yellow emitting material for organic light-emitting diodes. Thin Solid Films, 2006, 515, 2403-2409.	0.8	9
1283	Electropolymerization of 3-methylthiophene in the presence of a small amount of bithiophene and its usage as hole transport layer in organic light emitting diodes. Thin Solid Films, 2006, 515, 2447-2451.	0.8	9
1284	White organic light-emitting diodes from three emitter layers. Thin Solid Films, 2006, 515, 891-895.	0.8	9
1285	Synthesis and Electroluminescence Studies of the New Iridium(III) Complexes with 2-Phenyl-1-pyrroline Ligands. Japanese Journal of Applied Physics, 2006, 45, 7121-7125.	0.8	0
1286	Generation and Decay Dynamics of Triplet Excitons in Alq3 Thin Films under High-Density Excitation Conditions. Journal of Physical Chemistry A, 2006, 110, 10173-10178.	1.1	38
1287	Tuning the saturated red emission: synthesis, electrochemistry and photophysics of 2-arylquinoline based iridium(iii) complexes and their application in OLEDs. Journal of Materials Chemistry, 2006, 16, 3332.	6.7	68
1288	Effect of polar dopant on energetic and positional disorders in tris(8-hydroxyquinolinato) aluminum (Alq3). Applied Physics A: Materials Science and Processing, 2006, 83, 115-121.	1.1	4
1289	Generalization of Einstein relation for doped organic semiconductors. Applied Physics A: Materials Science and Processing, 2006, 83, 305-311.	1.1	15
1290	Einstein relation in chemically doped organic semiconductors. Applied Physics A: Materials Science and Processing, 2006, 86, 225-229.	1.1	18
1291	Time-dependent density functional theory study on electronic and spectroscopic properties for Ph2Bq and its complexes. Theoretical Chemistry Accounts, 2006, 117, 1-5.	0.5	10

#	Article	IF	Citations
1292	White organic light-emitting diodes based on improved polyfluorene derivative. Optical Materials, 2006, 28, 1084-1087.	1.7	7
1293	Red fluorescent materials based on naphthylamine for non-doping OLEDs. Optical Materials, 2006, 29, 348-354.	1.7	18
1294	Electroluminescent properties of organic light-emitting diodes using BAlq and Alq3 co-evaporation layer. Thin Solid Films, 2006, 499, 364-368.	0.8	12
1295	Synthesis and luminescent properties of pentacene derivatives having a chromophore. Thin Solid Films, 2006, 499, 185-191.	0.8	15
1296	Theoretical study on a multifunctional electroluminescent molecule Mes2B[p-4,4â€²-biphenyl-Nph(1-naphthyl)]. Chemical Physics, 2006, 326, 390-394.	0.9	16
1297	Temperature analysis for optimizing the configuration of the linear cell. Journal of Mechanical Science and Technology, 2006, 20, 1089-1097.	0.7	0
1298	Full-Color OLEDs Integrated by Dry Dye Printing. IEEE Transactions on Electron Devices, 2006, 53, 2250-2258.	1.6	16
1299	Green light-emitting organic material with narrow FWHM and high electroluminescence. Materials Letters, 2006, 60, 1927-1930.	1.3	14
1300	Design and synthesis of Alq3-functionalized SBA-15 mesoporous material. Materials Letters, 2006, 60, 2662-2665.	1.3	26
1301	Heterocyclic Quinol-Type Fluorophores: Synthesis, X-ray Crystal Structures, and Solid-State Photophysical Properties of Novel 5-Hydroxy-5-substituent-benzo[b]naphtho[1,2-d]furan-6-one and 3-Hydroxy-3-substituent-benzo[kl]xanthen-2-one Derivatives. Chemistry - A European Journal, 2006, 12, 7827-7838.	1.7	94
1302	Synthesis, Structures, and Luminescent Properties of Aluminum Complexes with Chelating Anilido-Imine Ligands. European Journal of Inorganic Chemistry, 2006, 2006, 1216-1222.	1.0	26
1303	Synthesis and Characterization of 8-Hydroxyquinoline Derivative Containing a Triphenylamine Unit and Its Metal Complexes. Chinese Journal of Chemistry, 2006, 24, 966-972.	2.6	9
1304	Poly(amine-amide-imide)s Bearing PendentN-Carbazolylphenyl Moieties: Synthesis and Electrochromic Properties. Macromolecular Chemistry and Physics, 2006, 207, 1589-1598.	1.1	29
1305	Cross-Linked Alq3-Containing Polymers with Improved Electroluminescence Efficiency Used for OLEDs. Macromolecular Rapid Communications, 2006, 27, 412-417.	2.0	35
1306	High-Performance Organic Light-Emitting Diodes Based on Dioxolane-Substituted Pentacene Derivatives. Advanced Functional Materials, 2006, 16, 1943-1949.	7.8	94
1307	Electronic Formulationsâ€"Photopatterning of Luminescent Conjugated Polymers. Advanced Functional Materials, 2006, 16, 2095-2102.	7.8	27
1308	Novel Naphtho[2,3-c][1,2,5]thiadiazole Derivative for Non-doped Small Molecular Organic Red-Light-Emitting Diodes. Advanced Materials, 2006, 18, 1607-1611.	11.1	59
1309	Filled polymer nanocomposites containing functionalized nanoparticles. , 2006, , 389-411.		1

#	Article	IF	Citations
1310	Effect of ITO Surface Treatment on Organic Solar Cells. , 2006, , .		3
1311	Study of Transient Electroluminescence Process Using Organic Light-Emitting Diode with Partial Doping Layer. Japanese Journal of Applied Physics, 2006, 45, 3721-3724.	0.8	18
1312	Theoretical Investigation on the Electronic Structure of the Tris-(8-hydroxyquinolinato) Aluminum/Aluminum Interface. Japanese Journal of Applied Physics, 2006, 45, 413-416.	0.8	18
1313	Design and Fabrication of Pure Green Color Microcavity Organic Light Emitting Device. Japanese Journal of Applied Physics, 2006, 45, 9224-9227.	0.8	9
1314	Spin Injection into Organic Light-Emitting Devices with Ferromagnetic Cathode and Effects on Their Luminescence Properties. Japanese Journal of Applied Physics, 2006, 45, 6897-6901.	0.8	27
1315	High-efficiency blue-emitting organic light-emitting devices with 4, 4â€², 4â€³-tris(N-carbazolyl)-triphenylamine as the hole/exciton-blocking layer. Journal Physics D: Applied Physics, 2006, 39, 4987-4991.	1.3	11
1316	Highly efficient multilayer organic pure blue light emitting diodes with substituted carbazoles compounds in the emitting layer. Journal Physics D: Applied Physics, 2006, 39, 917-922.	1.3	23
1317	Nondoped-type red organic electroluminescent devices based on a 4-(dicyanomethylene)-2-t-butyl-6-(1,1,7,7-tetramethyljulolidyl-9-enyl)-4H-pyran ultrathin layer. Semiconductor Science and Technology, 2006, 21, 316-319.	1.0	7
1318	A green top-emitting organic light-emitting device with improved luminance and efficiency. Journal Physics D: Applied Physics, 2006, 39, 3738-3741.	1.3	6
1319	Characterization of molecular disorder in vapor-deposited thin films of aluminum tris(quinoline-8-olate) by one-dimensional Al27 NMR under magic angle spinning. Journal of Chemical Physics, 2006, 124, 034705.	1.2	5
1320	New Blue and Bluish Green Electroluminescent Properties of Fully Substituted Ethylene Moieties. Molecular Crystals and Liquid Crystals, 2006, 462, 209-216.	0.4	6
1321	Efficiency Enhancement Mechanism of Organic Light-Emitting Devices with an Alq3Emitting Layer Containing a DPVBi Wide Bandgap Doping Agent. Molecular Crystals and Liquid Crystals, 2006, 459, 65/[345]-73/[353].	0.4	0
1322	Electroluminescent Properties of Pentacene Derivatives having a Naphthalene Moiety. Molecular Crystals and Liquid Crystals, 2006, 459, 57/[337]-63/[343].	0.4	1
1323	Bright and colour stable white polymer light-emitting diodes. Semiconductor Science and Technology, 2006, 21, L16-L19.	1.0	28
1324	O2 Plasma Treatment of Al Layer on Metal Anode to Improve the Performance of Organic Light-Emitting Devices. Materials Research Society Symposia Proceedings, 2006, 965, 1.	0.1	0
1325	Charge mobility of mixed organic semiconductors: a NPB-AlQ 3 study. , 2006, 6333, 359.		8
1326	Reliability Study of a Fluorescent Blue Organic Light-Emitting Device. Materials Research Society Symposia Proceedings, 2006, 965, 1.	0.1	0
1327	Improving Electrical and Optical Characteristics of White Organic Light-Emitting Diodes by Using Double Buffer Layers. Journal of the Electrochemical Society, 2006, 153, H68.	1.3	7

#	Article	IF	Citations
1328	Efficient organic lightâ€emitting diodes by insertion a thin lithium fluoride layer with conventional structure. Journal of Information Display, 2006, 7, 26-30.	2.1	0
1329	White organic light-emitting diodes with fine chromaticity tuning via ultrathin layer position shifting. Applied Physics Letters, 2006, 89, 183513.	1.5	65
1330	Organic light-emitting diode driven by organic thin film transistor on plastic substrates. Journal of Applied Physics, 2006, 99, 064506.	1.1	27
1331	Highly efficient deep blue organic electroluminescent device based on 1-methyl-9,10-di(1-naphthyl)anthracene. Applied Physics Letters, 2006, 89, 252903.	1.5	87
1332	X-ray photoemission spectroscopy characterization of electrochemical growth of conducting polymer on oxidized Si surface. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2006, 24, 1505-1508.	0.9	10
1333	Organic light-emitting diodes based on a cohost electron transporting composite. Applied Physics Letters, 2006, 88, 113510.	1.5	44
1334	Highly efficient organic light-emitting diodes based on donor-acceptor small molecules. Applied Physics Letters, 2006, 89, 073504.	1.5	5
1335	Control of carrier transport in organic semiconductors by aluminum doping. Applied Physics Letters, 2006, 88, 222112.	1.5	13
1336	Tunable, narrow, and enhanced electroluminescent emission from porous-silicon-reflector-based organic microcavities. Journal of Applied Physics, 2006, 100, 074503.	1.1	13
1337	Organic light-emitting devices with a mixture emitting layer of tris-(8-hydroxyquinoline) aluminum and 4,4â€²-bis(carbazol-9-yl)-biphenyl. Applied Physics Letters, 2006, 88, 243505.	1.5	15
1338	Excitation energy transfer between tris-(8-hydroxyquinoline) aluminum and a red dye. Applied Physics Letters, 2006, 88, 123512.	1.5	13
1339	Stable inverted bottom-emitting organic electroluminescent devices with molecular doping and morphology improvement. Applied Physics Letters, 2006, 89, 053518.	1.5	122
1340	Synthesis and Electroluminescent Properties of Fully Substituted Ethylene Moieties. Molecular Crystals and Liquid Crystals, 2006, 458, 209-216.	0.4	5
1341	Scanning photoelectron microscopic study of top-emission organic light-emitting device degradation under high-bias voltage. Journal of Applied Physics, 2006, 100, 084504.	1.1	7
1342	Estimation of carrier recombination and electroluminescence emission regions in organic light-emitting field-effect transistors using local doping method. Applied Physics Letters, 2006, 88, 093514.	1.5	24
1343	Improving operating lifetime of organic light-emitting diodes with polycyclic aromatic hydrocarbons as aggregating light-emitting-layer additives. Journal of Applied Physics, 2006, 100, 014901.	1.1	24
1344	Extremely low voltage organic light-emitting diodes with p-doped alpha-sexithiophene hole transport and n-doped phenyldipyrenylphosphine oxide electron transport layers. Applied Physics Letters, 2006, 89, 253506.	1.5	84
1345	High efficiency red organic light-emitting devices using tetraphenyldibenzoperiflanthene-doped rubrene as an emitting layer. Applied Physics Letters, 2006, 89, 013502.	1.5	77

#	Article	IF	Citations
1346	Microcavity two-unit tandem organic light-emitting devices having a high efficiency. Applied Physics Letters, 2006, 88, 111106.	1.5	170
1347	Efficient solid-state host-guest light-emitting electrochemical cells based on cationic transition metal complexes. Applied Physics Letters, 2006, 89, 261118.	1.5	97
1348	Very-thin-perylene-crystal-based electroluminescent devices. Applied Physics Letters, 2006, 88, 083511.	1.5	19
1349	Efficient light extraction and beam shaping from flexible, optically integrated organic light-emitting diodes. Applied Physics Letters, 2006, 88, 153514.	1.5	32
1350	Effect of exciplex formation on organic light emitting diodes based on rare-earth complex. Journal of Applied Physics, 2006, 100, 024506.	1.1	14
1351	Luminance Enhancement and Blur Effect of Microlens Array Film Attachment on Organic Light-Emitting Device. , 2006, , .		2
1352	Luminescent Properties of Pentacene Derivatives with Naphthalene Moiety. Molecular Crystals and Liquid Crystals, 2006, 444, 137-143.	0.4	9
1353	DFT-PCM STUDIES OF THE SOLVENT EFFECTS ON THE ABSORPTION PROPERTIES OF DCM. Journal of Theoretical and Computational Chemistry, 2006, 05, 957-965.	1.8	2
1354	Analysis of the injection layer of PTCDA in OLEDs using x-ray photoemission spectroscopy and atomic force microscopy. Chinese Physics B, 2006, 15, 1296-1300.	1.3	3
1355	DOUBLE-LAYER ELECTROLUMINESCENT DEVICES BASED ON LANGMUIR-BLODGETT FILMS OF AMPHIPHILIC 8-AMINOQUINOLINE. International Journal of Nanoscience, 2006, 05, 703-707.	0.4	0
1356	Phosphorescence as a Probe of Exciton Formation and Energy Transfer in Organic Light Emitting Diodes. , 2006, , 257-269.		2
1357	White Organic Light-Emitting Devices with Selectively-Doped Emitting Layer. , 2006, , .		0
1358	Fully substituted ethylene as a new class of efficient skyâ€blue emitting materials for OLEDs. Journal of Information Display, 2007, 8, 10-13.	2.1	0
1359	Modification on the Unoccupied Electronic Structure of Organic Semiconductor by Alkali Metal. Materials Research Society Symposia Proceedings, 2007, 1029, 1.	0.1	0
1360	Process Technology for High-Resolution AM-PLED Displays on Flexible Metal-Foil Substrates. Electrochemical and Solid-State Letters, 2007, 10, J92.	2.2	4
1361	Optical processes of organic emitters in optical microcavity. Proceedings of SPIE, 2007, , .	0.8	0
1362	Enhanced Modulation Speed of Tris(8-hydroxyquinoline)aluminum-Based Organic Light Source with Low-Work-Function Electrode. Japanese Journal of Applied Physics, 2007, 46, 7880-7884.	0.8	11
1363	Efficiency Enhancement Mechanism in Yellow Organic Light-Emitting Devices with Multiple Heterostructures Acting as an Emitting Layer. Japanese Journal of Applied Physics, 2007, 46, 654-656.	0.8	6

#	Article	IF	Citations
1364	The colour-tuning effect of 2,9-dimethyl-4,7-diphenyl-1, 10-phenanthroline in blueâ€“red organic light-emitting devices. Journal Physics D: Applied Physics, 2007, 40, 4442-4446.	1.3	0
1365	Highly Efficient and Stable Red Organic Light-Emitting Devices Using 9,10-Di(2-naphthyl)anthracene as the Host Material. Japanese Journal of Applied Physics, 2007, 46, 1722-1726.	0.8	6
1366	High Coupling Efficiency of Microcavity Organic Light-Emitting Diode with Optical Fiber for as Light Source for Optical Interconnects. Japanese Journal of Applied Physics, 2007, 46, 642-646.	0.8	15
1367	Enhancement of Stability of Polymer Light-Emitting Diodes by Post Annealing. Chinese Physics Letters, 2007, 24, 1383-1385.	1.3	2
1368	Deep-Level Characterization of Tris(8-hydroxyquinoline) Aluminum with and without Quinacridone Doping. Japanese Journal of Applied Physics, 2007, 46, 2636-2639.	0.8	6
1369	High Efficiency White Organic Light-Emitting Diodes from One Emissive Layer. Japanese Journal of Applied Physics, 2007, 46, 806-809.	0.8	4
1370	Improvement of efficiency and stability utilizing a wide band gap material as the host for red organic light-emitting diodes. Semiconductor Science and Technology, 2007, 22, 287-291.	1.0	4
1371	Organic Light-Emitting Devices with a LiF Hole Blocking Layer. Chinese Physics Letters, 2007, 24, 828-830.	1.3	1
1372	Driving voltage reduction in white organic light-emitting devices from selectively doping in ambipolar blue-emitting layer. Journal of Applied Physics, 2007, 102, .	1.1	21
1373	Efficient electrofluorescent organic light-emitting diodes by sequential doping. Applied Physics Letters, 2007, 90, 203509.	1.5	8
1374	Efficient green organic light-Emitting devices with a nondoped dual-functional electroluminescent material. Applied Physics Letters, 2007, 91, 153504.	1.5	24
1375	The carrier-trapping effect of dye doped in Alq. Journal of Applied Physics, 2007, 101, 054507.	1.1	4
1376	Hole transport in molecularly doped naphthyl diamine. Journal of Applied Physics, 2007, 102, .	1.1	38
1377	Method for measurement of the density of thin films of small organic molecules. Review of Scientific Instruments, 2007, 78, 034104.	0.6	54
1378	Efficiency Stabilized Deep Blue Organic Light-Emitting Devices with a DPVBi/CBP Step Emitting Layer Operating at Low Voltages. Molecular Crystals and Liquid Crystals, 2007, 470, 259-267.	0.4	0
1379	Transient property of optically pumped organic film of different fluorescence lifetimes. Applied Physics Letters, 2007, 90, 231105.	1.5	12
1380	Efficient, single-layer molecular organic light-emitting diodes. Applied Physics Letters, 2007, 90, 023511.	1.5	37
1381	Efficient deep blue emitters for organic electroluminescent devices. Applied Physics Letters, 2007, 91, .	1.5	31

#	Article	IF	Citations
1382	Efficient blue and white organic light-emitting devices based on a single bipolar emitter. Applied Physics Letters, 2007, 91, 013507.	1.5	45
1383	Conversion process of the dominant electroluminescence mechanism in a molecularly doped organic light-emitting device with only electron trapping. Journal of Applied Physics, 2007, 102, 064504.	1.1	24
1384	Single-layer organic light-emitting diodes using naphthyl diamine. Applied Physics Letters, 2007, 90, 213502.	1.5	39
1385	Modulation of a fluorescence switch based on photochromic spirooxazine in composite organic nanoparticles. Nanotechnology, 2007, 18, 145707.	1.3	30
1386	Effect of NaCl buffer layer on the performance of organic light-emitting devices (OLEDs). EPJ Applied Physics, 2007, 40, 141-144.	0.3	10
1387	Blue Luminescence from a Thin Film of the AlQ3/SiO2Organicâ€“Inorganic Hybrid Material. Chemistry Letters, 2007, 36, 374-375.	0.7	2
1388	Synthesis and Spectroscopic Properties of New Fluorescent 3,6-Diaryl-4-phenyl-2-pyridone Derivatives. Chemistry Letters, 2007, 36, 1014-1015.	0.7	12
1389	36.3: Improving Operating Lifetime of Blue OLEDs with Phenanthrolineâ€Based Electronâ€Transport Materials. Digest of Technical Papers SID International Symposium, 2007, 38, 1290-1292.	0.1	5
1390	Pâ€153: Internal Electric Field Study for Green Phosphorescent Polymer Lightâ€Emitting Diodes with Crosslinked Interlayers. Digest of Technical Papers SID International Symposium, 2007, 38, 776-779.	0.1	0
1391	59.2: High Performance Top Emitting OLED Devices. Digest of Technical Papers SID International Symposium, 2007, 38, 1691-1694.	0.1	6
1392	P-178: High-Efficiency Long-Lifetime Phosphorescent OLED Devices Based on Electron-Trapping Iridium (III) Complexes. Digest of Technical Papers SID International Symposium, 2007, 38, 864-866.	0.1	2
1393	P-182: New Deep-Blue EML Materials Based on Fully Substituted Ethylene and Anthracene Derivatives. Digest of Technical Papers SID International Symposium, 2007, 38, 879-882.	0.1	4
1394	Numerical simulation of top-emitting organic light-emitting diodes with electron and hole blocking layers. , 2007, , .		0
1395	Study of the influence of the molecular organization on single-layer OLEDsâ€™ performances. Synthetic Metals, 2007, 157, 91-97.	2.1	18
1396	Doped and non-doped organic light-emitting diodes based on a yellow carbazole emitter into a blue-emitting matrix. Synthetic Metals, 2007, 157, 198-204.	2.1	19
1397	Origin of charge transfer complex resulting in Ohmic contact at the C60/Cu interface. Synthetic Metals, 2007, 157, 160-164.	2.1	13
1398	Undoped yellow-emitting organic light-emitting diodes from a phenothiazine-based derivative. Synthetic Metals, 2007, 157, 427-431.	2.1	16
1399	Influence of carrier-injection efficiency on modulation rate of organic light source. Optics Letters, 2007, 32, 1905.	1.7	11

#	Article	IF	Citations
1400	Solution-Processed Organic Light-Emitting Diodes for Lighting. Journal of Display Technology, 2007, 3, 184-192.	1.3	62
1401	Charge Transport and Injection to Phenylamine-Based Hole Transporters for OLEDs Applications. Journal of Display Technology, 2007, 3, 225-232.	1.3	43
1402	Electrical and optical simulation of organic light-emitting devices with fluorescent dopant in the emitting layer. Journal of Applied Physics, 2007, 101, 114501.	1.1	39
1403	Numerical Device Simulation of Double-Heterostructure Organic Laser Diodes Including Current-Induced Absorption Processes. IEEE Journal of Quantum Electronics, 2007, 43, 1006-1017.	1.0	21
1404	Synthesis and Characterization of Polymerizable Phosphorescent Platinum(II) Complexes for Solution-Processible Organic Light-Emitting Diodes. Organometallics, 2007, 26, 4816-4829.	1.1	69
1405	Synthesis, Photophysics, and Electroluminescence of Copolyfluorenes Containing DCM Derivatives. Macromolecules, 2007, 40, 8913-8923.	2.2	29
1406	High-Efficiency Fluorescent Blue Organic Light-Emitting Device with Balanced Carrier Transport. Journal of the Electrochemical Society, 2007, 154, J226.	1.3	36
1407	Solid-emissive fluorophores constructed by a non-planar heteropolycyclic structure with bulky substituents: synthesis and X-ray crystal structures. Organic and Biomolecular Chemistry, 2007, 5, 1260.	1.5	20
1408	Triplet-exciton quenching in organic phosphorescent light-emitting diodes with Ir-based emitters. Physical Review B, 2007, 75, .	1.1	724
1409	Organic Electroluminescence. , 0, , 191-217.		1
1410	Anthracene Effects on Organic Light Emitting Diode Performance of Tetra-Substituted Ethylene Derivatives. Molecular Crystals and Liquid Crystals, 2007, 471, 89-98.	0.4	3
1411	Development of passive matrix full color organic light emitting diode display. , 2007, , .		2
1412	Electroluminescence degradation study of tris-(8-hydroxyquinoline)aluminum-based organic light emitting diode and influence of light. , 2007, , .		0
1413	Extraction efficiency enhancement of an OLED using surface plasmon resonance. , 2007, , .		0
1414	Effects of isomeric transformation on characteristics of Alq3 amorphous layers prepared by vacuum deposition at various substrate temperatures. Journal of Applied Physics, 2007, 101, 123708.	1.1	16
1415	Phosphorescent organic light-emitting device with an ambipolar oxadiazole host. Applied Physics Letters, 2007, 90, 243501.	1.5	19
1416	New deep-blue emitting materials based on fully substituted ethylene derivatives. Journal of Materials Chemistry, 2007, 17, 4670.	6.7	105
1417	Organic core/diffuse-shell nanorods: fabrication, characterization and energy transfer. Chemical Communications, 2007, , 2695.	2.2	22

#	Article	IF	Citations
1418	Dense Passivating Poly(ethylene glycol) Films on Indium Tin Oxide Substrates. Langmuir, 2007, 23, 10244-10253.	1.6	34
1419	A convergent synthesis of (diphenylvinyl)benzene (DPVB) star-shaped compounds with tunable redox, photo- and electroluminescent properties. Journal of Materials Chemistry, 2007, 17, 4274.	6.7	8
1420	Facile solution synthesis of hexagonal Alq3 nanorods and their field emission properties. Chemical Communications, 2007, , 3083.	2.2	49
1421	New Multi-Phenylated Carbazole Derivatives for OLED through Diels-Alder Reaction. Molecular Crystals and Liquid Crystals, 2007, 470, 223-230.	0.4	3
1422	Similar Roles of Electrons and Holes in Luminescence Degradation of Organic Light-Emitting Devices. Chemistry of Materials, 2007, 19, 2079-2083.	3.2	40
1423	Electrochemical and Electroluminescent Properties of Fully Substituted Ethylene Moieties. Molecular Crystals and Liquid Crystals, 2007, 470, 215-222.	0.4	1
1424	Photophysical Properties of Photoactive Molecules with Conjugated Pushâ^'Pull Structures. Journal of Physical Chemistry A, 2007, 111, 5806-5812.	1.1	73
1425	Green and Red Electrophosphorescent Devices Consisting of Cabazole/Triarylamine-Based Polymers Doped with Iridium Complexes. Molecular Crystals and Liquid Crystals, 2007, 471, 279-291.	0.4	5
1426	Comparative Study on Polymer Light-Emitting Devices Based on Blends of Polyfluorene and 4,7-Di-2-thienyl-2,1,3-benzothiadiazole with Devices Based on Copolymer of the Same Composition. Journal of Physical Chemistry B, 2007, 111, 6113-6117.	1.2	15
1427	High-efficiency White Phosphorescent Organic Light-Emitting Diodes. Acta Physico-chimica Sinica, 2007, 23, 1493-1497.	0.6	4
1428	Charge Carrier Transporting Molecular Materials and Their Applications in Devices. Chemical Reviews, 2007, 107, 953-1010.	23.0	1,710
1429	Electroluminescence from Metal-Containing Polymers and Metal Complexes with Functional Ligands. , 0, , 329-362.		3
1430	Fluorescent Ethenyl- and Ethynyl-dimesitylboranes Derived from 5-(Dimethylamino)-N-(prop-2-ynyl)naphthalene-1-sulfonamide. Australian Journal of Chemistry, 2007, 60, 915.	0.5	17
1431	Enhanced resonance energy transfer from PVK to MEH-PPV in nanoparticles. Nanotechnology, 2007, 18, 265707.	1.3	28
1432	High efficiency tandem organic light-emitting devices with Alâ^•WO3â^•Au interconnecting layer. Applied Physics Letters, 2007, 91, 123504.	1.5	67
1433	Molecular Optical Switches: Synthesis, Structure, and Photoluminescence of Spirosila Compounds. Chemistry - A European Journal, 2007, 13, 7204-7214.	1.7	31
1434	Selective Tuning of the Band Gap of Ï€-Conjugated Dithieno[3,2-b:2â€²,3â€²-d]phospholes toward Different Emission Colors. Chemistry - A European Journal, 2007, 13, 7487-7500.	1.7	182
1435	Poly[(diphenylsilanediyl)ethynediyl]: Structure and optical and electroluminescent properties. Journal of Applied Polymer Science, 2007, 105, 208-214.	1.3	2

#	Article	IF	Citations
1436	Blue/green light-emitting diode based on diethyl[N-arylmethylenethiobenzahydrazonato]gallium complexes. Applied Organometallic Chemistry, 2007, 21, 26-30.	1.7	0
1437	Synthesis and reactivity of thiophene palladium and thiophene dipalladium complexes with unsaturated molecules. Applied Organometallic Chemistry, 2007, 21, 1041-1053.	1.7	13
1438	Color Tuning and Highly Efficient Blue Emitters of Finite Diphenylamino-Containing Oligo(arylenevinylene) Derivatives Using Fluoro Substituents. Advanced Functional Materials, 2007, 17, 520-530.	7.8	55
1439	Luminescence Properties of Aminobenzanthrones and Their Application as Host Emitters in Organic Light-Emitting Devices. Advanced Functional Materials, 2007, 17, 369-378.	7.8	37
1440	New Insights on Nearâ€Infrared Emitters Based on Erâ€quinolinolate Complexes: Synthesis, Characterization, Structural, and Photophysical Properties. Advanced Functional Materials, 2007, 17, 2365-2376.	7.8	60
1441	Solutionâ€Processible Multiâ€component Cyclometalated Iridium Phosphors for Highâ€Efficiency Orangeâ€Emitting OLEDs and Their Potential Use as White Light Sources. Advanced Functional Materials, 2007, 17, 2925-2936.	7.8	156
1442	Tuning the Emitting Color of Organic Lightâ€Emitting Diodes Through Photochemically Induced Transformations: Towards Singleâ€Layer, Patterned, Fullâ€Color Displays and Whiteâ€Lighting Applications. Advanced Functional Materials, 2007, 17, 3477-3485.	7.8	50
1443	Highly Efficient Nonâ€Doped Blueâ€Lightâ€Emitting Diodes Based on an Anthrancene Derivative Endâ€Capped with Tetraphenylethylene Groups. Advanced Functional Materials, 2007, 17, 3141-3146.	7.8	245
1444	Aggregationâ€induced Emission (AIE)â€active Starburst Triarylamine Fluorophores as Potential Nonâ€doped Red Emitters for Organic Lightâ€emitting Diodes and Cl₂ Gas Chemodosimeter. Advanced Functional Materials, 2007, 17, 3799-3807.	7.8	524
1445	Fullâ€Color Mesophase Silicate Thin Film Phosphors Incorporated with Rare Earth Ions and Photosensitizers. Advanced Materials, 2007, 19, 3473-3479.	11.1	84
1446	Synthesis and Solid-State Fluorescence Properties of Structural Isomers of Novel Benzofuro[2,3-c]oxazolocarbazole-Type Fluorescent Dyes. European Journal of Organic Chemistry, 2007, 2007, 3613-3621.	1.2	46
1447	Synthesis, Xâ€ray Crystal Structures and Solidâ€State Fluorescence Properties of 3â€Dibutylaminoâ€6â€alkoxyâ€6â€phenylnaphtho[2,3â€b]benzofuranâ€11(6H)â€one Derivatives. European Journal of Organic Chemistry, 2007, 2007, 5010-5019.	1.2	9
1448	Synthesis and characterization of new blue-greenish electroluminescent materials based on 1,3,4-oxadiazole-triazolopyridinone hybrids. Heteroatom Chemistry, 2007, 18, 212-219.	0.4	5
1449	Synthesis and fluorescence of 2hâ€pyrone derivatives for organic lightâ€emitting diodes (OLED). Journal of Heterocyclic Chemistry, 2007, 44, 115-132.	1.4	20
1450	Synthesis and characterization of 1,3,4â€oxadiazoleâ€triazolopyridinone hybrid derivatives as new blueâ€greenish photoluminescent materials. Journal of Heterocyclic Chemistry, 2007, 44, 591-596.	1.4	3
1451	Red organic light-emitting devices with dotted-line doped emitting layers. Solid State Communications, 2007, 141, 332-335.	0.9	6
1452	Influence of dehydrated nanotubed titanic acid on charge transport and luminescent properties of polymer light-emitting diodes with fluorescent dye. Solid State Communications, 2007, 143, 579-582.	0.9	0
1453	A facile synthesis of solid-emissive fluorescent dyes: dialkylbenzo[b]naphtho[2,1-d]furan-6-one-type fluorophores with strong blue and green fluorescence emission properties. Tetrahedron Letters, 2007, 48, 5791-5793.	0.7	21

#	Article	IF	Citations
1454	Theoretical studies on the structures and absorption spectra of â€“Ph and t-Bu substituted 5-(2-pyridyl) pyrazolate boron complexes. Computational and Theoretical Chemistry, 2007, 809, 39-43.	1.5	4
1455	A blue electroluminescence organic material with liquid crystal property. Thin Solid Films, 2007, 515, 3893-3897.	0.8	13
1456	A schiff base zinc complex and its electroluminescent properties. Thin Solid Films, 2007, 515, 4080-4084.	0.8	48
1457	The effect of dopant-induced electron traps on spectrum evolution of doped organic light-emitting devices. Thin Solid Films, 2007, 515, 5449-5453.	0.8	4
1458	Charge-carrier injection characteristics at organic/organic heterojunction interfaces in organic light-emitting diodes. Chemical Physics Letters, 2007, 435, 327-330.	1.2	33
1459	Electro-photoluminescence in organics. Chemical Physics Letters, 2007, 447, 279-283.	1.2	7
1460	Synthesis, characterization and luminescence study of dimethyl[N-arylmethylenethiobenzahydrazonato]indium. Current Applied Physics, 2007, 7, 96-101.	1.1	2
1461	Isophorone derivative as red dopant for organic electroluminescent devices. Current Applied Physics, 2007, 7, 697-701.	1.1	6
1462	Spectral studies of white organic light-emitting devices based on multi-emitting layers. Displays, 2007, 28, 26-30.	2.0	11
1463	Improvement of the outcoupling efficiency of an organic light-emitting device by attaching microstructured films. Optics Communications, 2007, 275, 464-469.	1.0	45
1464	Synthesis, crystallography, photoluminescence and electroluminescence of three polymorphs of dibenzoylmethane gallium complex. Inorganica Chimica Acta, 2007, 360, 1593-1598.	1.2	6
1465	Synthesis and characterization of 1,3,4-oxadiazole derivatives containing alkoxy chains with different lengths. Journal of Molecular Structure, 2007, 846, 55-64.	1.8	35
1466	Efficient, saturated red electroluminescent devices with modified pyran-containing emitters. Optical Materials, 2007, 29, 1672-1679.	1.7	20
1467	Energy level alignment regimes at hybrid organicâ€“organic and inorganicâ€“organic interfaces. Organic Electronics, 2007, 8, 14-20.	1.4	130
1468	Efficient fluorescent white organic light-emitting diodes with blue-green host of di(4-fluorophenyl)amino-di(styryl)biphenyl. Organic Electronics, 2007, 8, 29-36.	1.4	21
1469	A polymer light-emitting diode as an optical communication light source. Organic Electronics, 2007, 8, 621-624.	1.4	7
1470	Exciton diffusion length of tris (dibenzoylmethane) mono (phenanthroline) europium (III) measured by photocurrent and absorption as a function of wavelength. Organic Electronics, 2007, 8, 601-605.	1.4	4
1471	Four-wavelength white organic light-emitting diodes using 4,4â€²-bis-[carbazoyl-(9)]-stilbene as a deep blue emissive layer. Organic Electronics, 2007, 8, 683-689.	1.4	20

#	Article	IF	Citations
1472	Efficient fluorescent white organic light-emitting diodes using co-host/emitter dual-role possessed di(triphenyl-amine)-1,4-divinyl-naphthalene. Organic Electronics, 2007, 8, 735-742.	1.4	40
1473	A novel blue luminescent high-spin iron(III) complex with interlayer Oâ€“Hâ‹¯Cl bridging: Synthesis, structure and spectroscopic studies. Polyhedron, 2007, 26, 3617-3624.	1.0	71
1474	Design and synthesis of 1,4-bis[4-(1,1-dicyanovinyl)styryl]-2,5-bis(alkoxy)benzenes as red organic electroluminescent PPV analogs. Polymer, 2007, 48, 4028-4033.	1.8	7
1475	Synthesis, crystal structure and photoluminescent behaviors of 3-(1H-benzotriazol-1-yl)-4-methyl-benzo[7,8]coumarin. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 188, 245-251.	2.0	28
1476	Electroluminescence characteristics of a new kind of rare-earth complex: TbY(o-MOBA)6(phen)22H2O. Journal of Luminescence, 2007, 122-123, 272-274.	1.5	7
1477	Optical and morphological investigation in interaction of dual dopants in poly(N-vinylcarzole). Journal of Luminescence, 2007, 122-123, 275-278.	1.5	4
1478	Quinacridone sub-monolayer as efficient emitter in OLEDs. Journal of Luminescence, 2007, 122-123, 623-625.	1.5	3
1479	Improved color purity and efficiency by a coguest emitter system in doped red light-emitting devices. Journal of Luminescence, 2007, 122-123, 636-638.	1.5	11
1480	Study of the characteristics of new red dopants in OLED. Journal of Luminescence, 2007, 122-123, 639-641.	1.5	7
1481	The photoluminescent and electroluminescent properties of a new Europium complex. Journal of Luminescence, 2007, 122-123, 683-686.	1.5	8
1482	Emission characteristics of Tb(o-MBA)3phen doped in PVK system. Journal of Luminescence, 2007, 122-123, 690-692.	1.5	9
1483	Change of the dominant luminescent mechanism with increasing current density in molecularly doped organic light-emitting devices. Journal of Luminescence, 2007, 126, 644-652.	1.5	11
1484	Syntheses, characterization and fluorescent properties of two triethylene-glycol dicoumarin-3-carboxylates. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 725-727.	2.0	21
1485	Electroluminescent Property of A Novel Co-Doped Rare Earth Complex. Journal of Rare Earths, 2007, 25, 558-561.	2.5	1
1486	4-methoxy-substituted poly(triphenylamine): A p-type polymer with highly photoluminescent and reversible oxidative electrochromic characteristics. Journal of Polymer Science Part A, 2007, 45, 3292-3302.	2.5	24
1487	White electroluminescence from a single polyfluorene containing bis-DCM units. Journal of Polymer Science Part A, 2007, 45, 3380-3390.	2.5	31
1488	Highâ€efficiency poly(phenylenevinylene)â€coâ€fluorene copolymers incorporating a triphenylamine as the end group for whiteâ€lightâ€emitting diode applications. Journal of Polymer Science Part A, 2007, 45, 4504-4513.	2.5	30
1489	Theoretical investigations of the molecular conformation and reorganization energies in the organic diamines as holeâ€transporting materials. Journal of Physical Organic Chemistry, 2007, 20, 743-753.	0.9	28

#	Article	IF	Citations
1490	Organic Semiconductor Lasers. Chemical Reviews, 2007, 107, 1272-1295.	23.0	1,334
1491	Electron mobility in tris(8-hydroxyquinoline)aluminum (Alq3) films by transient electroluminescence from single layer organic light emitting diodes. Applied Physics Letters, 2007, 90, 202103.	1.5	53
1492	Estimate of carrier balance and exciton distribution in organic light-emitting diode. , 2007, , .		0
1493	Synthesis and Photoluminescence of Novel Organo-Soluble Polyarylates Bearing (N-Carbazolyl)triphenylamine Moieties. Polymer Journal, 2007, 39, 448-457.	1.3	18
1494	Thermal change of Alq3, tris(8-hydroxyquinolinato) aluminum(III) studied by TG and XRD-DSC. Journal of Thermal Analysis and Calorimetry, 2007, 89, 363-366.	2.0	13
1495	Synthesis and photophysical properties of novel organo-soluble polyarylates bearing triphenylamine moieties. Journal of Polymer Research, 2007, 14, 191-199.	1.2	30
1496	Effect of different processing methods for the hole transporting layer on the performance of double layer organic light-emitting devices. Optoelectronics Letters, 2007, 3, 282-285.	0.4	0
1497	Synthesis and luminescence properties of tris(4-tridecyl-8-quinolinolato)aluminum. Current Applied Physics, 2007, 7, 396-399.	1.1	3
1498	Enhanced current efficiency in organic light-emitting devices using 4,4â€²-N,Nâ€²-dicarbazole-biphenyl as hole-buffer layer. Solid-State Electronics, 2007, 51, 111-114.	0.8	7
1499	Organic light-emitting devices with a mixed layer acting as a hole transport and as an emitting/electron transport layer. Thin Solid Films, 2007, 515, 5095-5098.	0.8	5
1500	Electroluminescence of zinc oxide thin-films prepared via polymeric precursor and via solâ€“gel methods. Thin Solid Films, 2007, 516, 165-169.	0.8	24
1501	Electroluminescence of organic light-emitting diodes with an ultra-thin layer of dopant. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 149, 77-81.	1.7	10
1502	Photoinduced energy transfer in blend films of hole and electron transport materials. Applied Surface Science, 2008, 254, 6662-6665.	3.1	1
1503	Non-doped red emission: A solution for bias-independent red emission. Displays, 2008, 29, 541-544.	2.0	1
1504	High-luminance and high-efficiency organic electroluminescent devices with a doped co-host emitter system. Dyes and Pigments, 2008, 76, 290-293.	2.0	11
1505	Optical materials for organic light-emitting devices. Optical Materials, 2008, 30, 792-799.	1.7	39
1506	12CaOÂ·7Al2O3 doped indium-tin-oxide thin film for transparent cathode in organic light-emitting devices. Surface and Coatings Technology, 2008, 202, 5421-5424.	2.2	6
1507	Theoretical study on difunctional electroluminescent molecules containing aromatic heterocycle cores and hole-transporting triphenylamino units. Computational and Theoretical Chemistry, 2008, 868, 82-86.	1.5	7

#	Article	IF	Citations
1508	Efficient fluorescent red, green, and blue organic light-emitting devices with a blue host of spirobifluorene derivative. Thin Solid Films, 2008, 516, 5062-5068.	0.8	8
1509	Low driving voltage organic light emitting diode using phenanthrene oligomers as electron transport layer. Thin Solid Films, 2008, 516, 8717-8720.	0.8	11
1510	Dependence of surface morphology on molecular structure and its influence on the properties of OLEDs. Ultramicroscopy, 2008, 108, 1251-1255.	0.8	13
1511	Luminescence properties of SrSi6N8:Eu2+. Journal of Materials Science, 2008, 43, 5659-5661.	1.7	51
1512	Emission mechanism in the terbium complex doped PVK system. Frontiers of Optoelectronics in China, 2008, 1, 130-133.	0.2	1
1513	Organic electroluminescent characteristics of PS:NPB composite hole transporting layer. Frontiers of Optoelectronics in China, 2008, 1, 323-328.	0.2	2
1514	Bond cutting in Cs-doped tris(8-hydroxyquinoline) aluminium. Journal of Synchrotron Radiation, 2008, 15, 91-95.	1.0	1
1515	Density functional theory analysis of a mixedâ€ligand iridium compound for multiâ€color organic lightâ€emitting diodes. Journal of Physical Organic Chemistry, 2008, 21, 315-320.	0.9	12
1516	Polyfluorenes minimally doped with 1,4â€bis(2â€thienylâ€2â€cyanovinyl)benzene chromophore: Their synthesis, characterization, and application to whiteâ€lightâ€emitting materials. Journal of Polymer Science Part A, 2008, 46, 3703-3713.	2.5	20
1517	Synthesis, characterization, and optoelectronic properties of hyperbranched polyfluorenes containing pendant benzylether dendrons. Journal of Polymer Science Part A, 2008, 46, 5945-5958.	2.5	24
1518	Novel thermally stable triarylamineâ€containing aromatic polyamides bearing anthrylamine chromophores for highly efficient greenâ€lightâ€emitting materials. Journal of Polymer Science Part A, 2008, 46, 7354-7368.	2.5	33
1519	Highly soluble greenâ€emitting Ir(III) complexes with 9â€(6â€phenylâ€pyridinâ€3â€ylmethyl)â€9Hâ€carbazole ligands and their application to polymer lightâ€emitting diodes. Journal of Polymer Science Part A, 2008, 46, 7419-7428.	2.5	14
1520	Deepâ€red lightâ€emitting phosphorescent dendrimer encapsulated trisâ€[2â€benzo[b]thiophenâ€2â€ylâ€pyridyl] iridium (III) core for lightâ€emitting device applications. Journal of Polymer Science Part A, 2008, 46, 7517-7533.	2.5	31
1521	Triphenylamine and Fluorene Based Cationic Conjugated Polyelectrolytes: Synthesis and Characterization. Macromolecular Chemistry and Physics, 2009, 210, 150-160.	1.1	6
1522	Reaction of 6â€arylâ€or styrylâ€4â€methylsulfanylâ€2â€oxoâ€2Hâ€pyrans with active methylene compounds and fluorescence properties of the products. Journal of Heterocyclic Chemistry, 2008, 45, 265-277.	1.4	12
1523	Synthesis of 8â€hydroxyquinolines with amino and thioalkyl functionalities at position 4. Journal of Heterocyclic Chemistry, 2008, 45, 593-595.	1.4	14
1524	Cobaltâ€and Nickelâ€Catalyzed Regioâ€and Stereoselective Reductive Coupling of Alkynes, Allenes, and Alkenes with Alkenes. Chemistry - A European Journal, 2008, 14, 10876-10886.	1.7	155
1525	Theoretical Studies on the Electronic and Optical Properties of a New Class of Aromatic Oligomers and Polymers. Chinese Journal of Chemistry, 2008, 26, 818-826.	2.6	2

#	Article	IF	Citations
1526	Synthesis and Luminescent Properties of Two New Triphenylamineâ€based Compounds with Heteroâ€cyclic Ring as Conjugation Bridge. Chinese Journal of Chemistry, 2008, 26, 1150-1152.	2.6	3
1527	The Origin of the Improved Efficiency and Stability of Triphenylamineâ€Substituted Anthracene Derivatives for OLEDs: A Theoretical Investigation. ChemPhysChem, 2008, 9, 2601-2609.	1.0	93
1528	Synthesis, Structure, Spectroscopic Studies and Magnetic Properties of the Tetrakis(5,7â€dichloroâ€8â€quinolinolato)gadolinium(III) Complex. European Journal of Inorganic Chemistry, 2008, 2008, 3820-3826.	1.0	19
1529	Synthesis, Xâ€ray Crystal Structures, and Solidâ€State Fluorescence Properties of 5,5â€Dialkylâ€9â€dibutylaminoâ€5Hâ€benzo[b]naphtho[1,2â€d]furanâ€6â€one and 3,3â€Dialkylâ€9â€dibutylaminoâ€3Hâ€benzo[kl]xanthenâ€2â€one. European Journal of Organic Chemistry, 2008, 2008, 3085-3094.	1.2	8
1530	Benzimidazole/Amineâ€Based Compounds Capable of Ambipolar Transport for Application in Singleâ€Layer Blueâ€Emitting OLEDs and as Hosts for Phosphorescent Emitters. Angewandte Chemie - International Edition, 2008, 47, 581-585.	7.2	270
1531	Influence of Molecular Dipoles on the Photoluminescence and Electroluminescence of Dipolar Spirobifluorenes. Advanced Functional Materials, 2008, 18, 248-257.	7.8	116
1532	Nanodotâ€Enhanced Highâ€Efficiency Pureâ€White Organic Lightâ€Emitting Diodes with Mixedâ€Host Structures. Advanced Functional Materials, 2008, 18, 121-126.	7.8	49
1533	Modeling Electron and Hole Transport in Fluoroareneâ€Oligothiopene Semiconductors: Investigation of Geometric and Electronic Structure Properties. Advanced Functional Materials, 2008, 18, 332-340.	7.8	109
1534	An Organic Lightâ€Emitting Diode with Fieldâ€Effect Electron Transport. Advanced Functional Materials, 2008, 18, 136-144.	7.8	43
1535	Highâ€Efficiency Deepâ€Blue Lightâ€Emitting Diodes Based on Phenylquinoline/Carbazoleâ€Based Compounds. Advanced Functional Materials, 2008, 18, 3922-3930.	7.8	173
1536	Siliconâ€Cored Anthracene Derivatives as Host Materials for Highly Efficient Blue Organic Lightâ€Emitting Devices. Advanced Materials, 2008, 20, 2720-2729.	11.1	162
1537	Tunable Emission from Binary Organic Oneâ€Dimensional Nanomaterials: An Alternative Approach to Whiteâ€Light Emission. Advanced Materials, 2008, 20, 79-83.	11.1	230
1538	Solutionâ€Processable Liquid Crystals of Luminescent Aluminum(8â€Hydroxyquinolineâ€5â€sulfonato) Complexes. Advanced Materials, 2008, 20, 3462-3467.	11.1	46
1539	Lowâ€Dimensional Nanomaterials Based on Small Organic Molecules: Preparation and Optoelectronic Properties. Advanced Materials, 2008, 20, 2859-2876.	11.1	384
1541	High-efficiency organic light-emitting diodes (OLEDs) with a mixed layer structure. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 3021-3024.	1.3	0
1542	Non-doped red to yellow organic light-emitting diodes with an ultrathin 4-(dicyanomethylene)-2-t-butyl-6(1,1,7,7-tetramethyljulolidyl-9-enyl)-4H-pyran (DCJTB) layer. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2999-3003.	1.3	4
1543	Sequentially doped blue electrofluorescent organic light-emitting diodes. Organic Electronics, 2008, 9, 136-142.	1.4	4
1544	Electric field and temperature dependence of the hole mobility in a bis-fluorene cored dendrimer. Organic Electronics, 2008, 9, 220-226.	1.4	22

#	Article	IF	Citations
1545	Injection of charge into the archetype organic hole transporting material TPD at the electrical contacts with ITO and Al. Organic Electronics, 2008, 9, 883-889.	1.4	6
1546	Effect of exciton diffusion on electroluminescence of organic light-emitting devices. Organic Electronics, 2008, 9, 1128-1131.	1.4	10
1547	Synthesis, structure, and photoluminescence of organosilicon based compounds containing stilbene, butadiene or styrene subunits. Journal of Organometallic Chemistry, 2008, 693, 908-916.	0.8	13
1548	The effect of the molecular structure of organic material on the properties of solid-state fluorescence and electroluminescence. Journal of Physics and Chemistry of Solids, 2008, 69, 1314-1319.	1.9	11
1549	Synthesis of 2,6-diaryl-4,4-diphenyldithienosiloles and their luminescent properties. Journal of Industrial and Engineering Chemistry, 2008, 14, 344-349.	2.9	6
1550	Efficient red organic light-emitting diode sensitized by a phosphorescent Ir compound. Journal of Luminescence, 2008, 128, 27-30.	1.5	8
1551	Study on electroluminescence processes in dye-doped organic light-emitting diodes. Journal of Luminescence, 2008, 128, 1175-1179.	1.5	7
1552	Electronic absorption and emission spectra of Alq3 in solution with special attention to a delayed fluorescence. Journal of Luminescence, 2008, 128, 1353-1358.	1.5	23
1553	Effect of energy transfer on electroluminescent performance in blend-layer organic light-emitting devices. Journal of Luminescence, 2008, 128, 1523-1527.	1.5	3
1554	The effect of the inclusion of guest molecules on the solid-state fluorescence of naphthooxazole-type fluorophores. Dyes and Pigments, 2008, 77, 315-322.	2.0	4
1555	2Dâ€“Ï€â€“A type pyran-based dye derivatives: Photophysical properties related to intramolecular charge transfer and their electroluminescence application. Dyes and Pigments, 2008, 78, 25-33.	2.0	29
1556	High-efficiency nondoped green organic light-emitting devices. Chemical Physics Letters, 2008, 455, 79-82.	1.2	24
1557	Temperature dependence of photoluminescence efficiency in doped and blended organic thin films. Chemical Physics Letters, 2008, 458, 319-322.	1.2	16
1558	Temperature dependence of photo-charge generation of polymeric photorefractive composite in the glass transition temperature region. Chemical Physics Letters, 2008, 460, 482-485.	1.2	12
1559	Porphyrin doping of Alq3 for electroluminescence. Current Applied Physics, 2008, 8, 163-166.	1.1	16
1560	High efficiency and color saturated blue electroluminescence by using 4,4â€²-bis[N-(1-naphthyl)-N-phenylamino]biphenyl as the thinner host and hole-transporter. Solid-State Electronics, 2008, 52, 121-125.	0.8	16
1561	Synthesis, X-ray crystal structure, and solid-state blue fluorescence of dialkylbenzo[b]naphtho[2,1-d]furan-6-one-type fluorophores. Tetrahedron, 2008, 64, 7219-7224.	1.0	6
1562	Synthesis and characterization of 5-substituted 8-hydroxyquinoline derivatives and their metal complexes. Tetrahedron, 2008, 64, 10986-10995.	1.0	39

#	Article	IF	Citations
1563	Explaining the HOMO and LUMO distribution on individual ligands in mer-Alq3 and its â€œCHâ€‘N substituted derivatives. Computational and Theoretical Chemistry, 2008, 850, 79-83.	1.5	16
1564	Electrical and optical properties of ITO:Ca composite thin films for TEOLED cathode. Thin Solid Films, 2008, 516, 5445-5448.	0.8	14
1565	Bright electroluminescence from single-layer organic light-emitting diodes comprising an ambipolar carrier transport layer of phenyldipyrenylphosphine oxide. Thin Solid Films, 2008, 516, 4288-4292.	0.8	11
1566	Synthesis and electroluminescent properties of Ir complexes with benzo[c]acridine or 5,6-dihydro-benzo[c]acridine ligands. Thin Solid Films, 2008, 516, 6186-6190.	0.8	18
1567	Tunable emission from composite polymer nanoparticles based on resonance energy transfer. Thin Solid Films, 2008, 516, 6287-6292.	0.8	22
1568	Linear and nonlinear optical spectroscopic characterisation of triphenylamine and 1,2,3-tris(3-methylphenylphenylamino)benzene. Chemical Physics, 2008, 352, 48-56.	0.9	12
1569	Synthesis and photoluminescence properties of novel polyarylates bearing pendent naphthylamine chromophores. European Polymer Journal, 2008, 44, 2608-2618.	2.6	29
1570	Electroluminescent properties of color/luminance tunable organic light emitting diodes and their lifetime enhancement with encapsulation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 153, 100-105.	1.7	6
1571	Blue organic light-emitting diode with improved color purity using 5-naphthyl-spiro[fluorene-7,9â€²-benzofluorene]. Organic Electronics, 2008, 9, 522-532.	1.4	61
1572	Electronic structure and reactivity analysis for a set of Zn-chelates with substituted 8-hydroxyquinoline ligands and their application in OLED. Organic Electronics, 2008, 9, 625-634.	1.4	24
1573	High-efficiency and multi-function blue fluorescent material for organic electroluminescent devices. Organic Electronics, 2008, 9, 692-698.	1.4	13
1574	Spectromicroscopic investigation of polymer light-emitting device degradation. Organic Electronics, 2008, 9, 869-872.	1.4	12
1575	Photoconduction in the archetype organic hole transporting material TPD. Organic Electronics, 2008, 9, 1032-1039.	1.4	9
1576	Improvement of Metalâ€“Insulatorâ€“Semiconductor-Type Organic Light-Emitting Transistors. Japanese Journal of Applied Physics, 2008, 47, 1889.	0.8	44
1577	A non-planar pentaphenylbenzene functionalized benzo[2,1,3]thiadiazole derivative as a novel red molecular emitter for non-doped organic light-emitting diodes. Journal of Materials Chemistry, 2008, 18, 2709.	6.7	30
1578	Organic light-emitting devices (OLEDs) and OLED-based chemical and biological sensors: an overview. Journal Physics D: Applied Physics, 2008, 41, 133001.	1.3	266
1579	Improved electron injection into Alq3based devices using a thin Erq3injection layer. Journal Physics D: Applied Physics, 2008, 41, 085108.	1.3	3
1580	Electronic and excitonic processes in light-emitting devices based on organic materials and colloidal quantum dots. Physical Review B, 2008, 78, .	1.1	197

#	Article	IF	Citations
1581	Polar Laser Dyes Dispersed in Polymer Matrices: Reverification of Charge Transfer Character and New Optical Functions. Japanese Journal of Applied Physics, 2008, 47, 1753-1756.	0.8	15
1582	Organic optoelectronic device fabrication using standard UV photolithography. Physica Status Solidi - Rapid Research Letters, 2008, 2, 16-18.	1.2	9
1583	Lilliputian light sticks. Nature, 2008, 451, 408-409.	13.7	22
1584	Under Jupiter's pulsing skin. Nature, 2008, 451, 409-410.	13.7	0
1585	Tautomerism and fluorescent properties of aminovinylpyrazine dyes. Coloration Technology, 1998, 114, 368-374.	0.1	3
1586	Fabrication and characterization of OLED with Mg complex of 5-chloro-8-hydroxyquinoline as emission layer. Materials Chemistry and Physics, 2008, 108, 179-183.	2.0	14
1587	Effect of the ligand on the properties of emitting materials: Pentacoordinated 8-hydroxyquinoline aluminum complexes. Materials Letters, 2008, 62, 2611-2614.	1.3	3
1588	Improved performance of organic lightâ€emitting devices with ultraâ€thin holeâ€blocking layers. Journal of the Society for Information Display, 2008, 16, 603-608.	0.8	0
1589	OLED lifetime issues from a mobileâ€phoneâ€industry point of view. Journal of the Society for Information Display, 2008, 16, 1125-1130.	0.8	48
1590	Color tunable organic light-emitting diodes using coumarin dopants. Research on Chemical Intermediates, 2008, 34, 249-256.	1.3	12
1591	Temperature dependent Schottky barrier height and Fermi level pinning on Au/HBC/GaAs diodes. Applied Physics Letters, 2008, 92, .	1.5	5
1592	Enhancement of surface plasmon-mediated radiative energy transfer through a corrugated metal cathode in organic light-emitting devices. Applied Physics Letters, 2008, 93, 051106.	1.5	34
1593	Organophosphorus-Conjugated Materials for Optoelectronic Applications. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 253-257.	0.8	3
1594	Electron injection and transport mechanism in organic devices based on electron transport materials. Journal Physics D: Applied Physics, 2008, 41, 225105.	1.3	16
1595	Near infrared organic light-emitting devices based on donor-acceptor-donor oligomers. Applied Physics Letters, 2008, 93, 163305.	1.5	59
1596	Single active-layer structured dual-function devices using hybrid polymerâ€“quantum dots. Nanotechnology, 2008, 19, 395201.	1.3	16
1597	Highly Efficient Blue Organic Light-Emitting Device Based on a Nondoped Electroluminescent Material. Chemistry of Materials, 2008, 20, 6310-6312.	3.2	64
1598	Mechanisms of efficiency enhancement in the doped electroluminescent devices based on a europium complex. Journal of Applied Physics, 2008, 104, 114507.	1.1	18

#	Article	IF	Citations
1599	New asymmetric monostyrylamine dopants for blue light-emitting organic electroluminescence device. Synthetic Metals, 2008, 158, 369-374.	2.1	5
1600	Organic white light-emitting diodes using a new DCM derivative as an orange-red doping molecule. Synthetic Metals, 2008, 158, 802-809.	2.1	11
1601	Blue organic electroluminescent devices based on the spiro[fluorene-7,9â€²-benzofluorene] derivatives as host and dopant materials. Synthetic Metals, 2008, 158, 870-875.	2.1	17
1602	Band Gap Tunable, Donorâ^'Acceptorâ^'Donor Charge-Transfer Heteroquinoid-Based Chromophores: Near Infrared Photoluminescence and Electroluminescence. Chemistry of Materials, 2008, 20, 6208-6216.	3.2	361
1603	New Fluorene Derivatives for Blue Electroluminescent Devices:â€‰ Influence of Substituents on Thermal Properties, Photoluminescence, and Electroluminescence. Journal of Physical Chemistry C, 2008, 112, 2165-2169.	1.5	51
1604	Highly Efficient Nondoped Blue Organic Light-Emitting Diodes Based on Anthracene-Triphenylamine Derivatives. Journal of Physical Chemistry C, 2008, 112, 14603-14606.	1.5	122
1605	Fluorescence resonance energy transfer in conjugated polymer composites for radiation detection. Physical Chemistry Chemical Physics, 2008, 10, 1848.	1.3	19
1606	An ambipolar host material provides highly efficient saturated red PhOLEDs possessing simple device structures. Physical Chemistry Chemical Physics, 2008, 10, 5822.	1.3	50
1607	Photoluminescence of Tris-(8-hydroxyquinoline)aluminum Thin Films and Influence of Swift Heavy Ion Irradiation. Polymer-Plastics Technology and Engineering, 2008, 47, 479-482.	1.9	1
1608	Synthesis of a New Water-Soluble Oligo(phenylenevinylene) Containing a Tyrosine Moiety for Tyrosinase Activity Detection. Organic Letters, 2008, 10, 5369-5372.	2.4	36
1609	Quantum efficiency roll-off at high brightness in fluorescent and phosphorescent organic light emitting diodes. Physical Review B, 2008, 77, .	1.1	350
1610	Highly Efficient Blue Organic Light-Emitting Devices Based on Improved Guest/Host Combination. Journal of Physical Chemistry C, 2008, 112, 12024-12029.	1.5	21
1611	Highly Efficient Organic Light-Emitting Diodes Doped with Thiophene/Phenylene Co-Oligomer. Chemistry of Materials, 2008, 20, 2881-2883.	3.2	14
1612	One- or Semi-Two-Dimensional Organic Nanocrystals Induced by Directional Supramolecular Interactions. Journal of Physical Chemistry C, 2008, 112, 16264-16268.	1.5	30
1613	Exciplex Formations between Tris(8-hydoxyquinolate)aluminum and Hole Transport Materials and Their Photoluminescence and Electroluminescence Characteristics. Journal of Physical Chemistry C, 2008, 112, 7735-7741.	1.5	60
1614	Synthesis, Electrochemical Behavior, and Electronic Properties of Hyperbranched Poly(p-methylenetriphenylamine): An Unexpected Condensation Polymerization from N-[4-(Tosyloxybutyloxymethyl)phenyl]-N,N-diphenylamine. Macromolecules, 2008, 41, 4158-4164.	2.2	17
1615	Novel Green-Light-Emitting Polymers Based on Cyclopenta[def]phenanthrene. Macromolecules, 2008, 41, 5548-5554.	2.2	23
1616	High-efficiency Red Organic Light Emitting Diodes Incorporating 1,3,5-Tris(1-pyrenyl)benzene as the Host Material. Journal of the Electrochemical Society, 2008, 155, J345.	1.3	8

#	Article	IF	Citations
1617	Photoluminescence and Optical Gain Properties of a Crystalline Thiophene/Phenylene Co-oligomer. Japanese Journal of Applied Physics, 2008, 47, 8961-8964.	0.8	18
1618	A CORRESPONDING RELATION BETWEEN ELECTROLUMINESCENT INTENSITY AND THE ENERGY AND CHARGE TRANSFER IN DOPED ORGANIC ELECTROLUMINESCENT DEVICES. Modern Physics Letters B, 2008, 22, 2979-2986.	1.0	1
1619	First-principles theoretical study of Alq3â^•Al interfaces: Origin of the interfacial dipole. Journal of Chemical Physics, 2008, 128, 244704.	1.2	51
1620	Pâ€220: NPBâ€Based RGB Singleâ€Layer OLEDs. Digest of Technical Papers SID International Symposium, 2008, 39, 2032-2035.	0.1	0
1621	Evaluating Origin of Electron Traps in Tris(8-hydroxyquinoline) Aluminum Thin Films using Thermally Stimulated Current Technique. Japanese Journal of Applied Physics, 2008, 47, 1748-1752.	0.8	5
1622	The effect of DCJTB doping concentration in PVK on the chromatic coordinate of electroluminescence. Physica Scripta, 2008, 77, 055403.	1.2	9
1623	High-Color-Purity Organic Light-Emitting Diodes Incorporating a Cyanocoumarin-Derived Red Dopant Material. Journal of the Electrochemical Society, 2008, 155, J365.	1.3	17
1624	Study on Organic Triplet Exciton Emission and Quenching Processes by Low-temperature Photo- and Electroluminescence Spectroscopy. Materials Research Society Symposia Proceedings, 2008, 1115, 53101.	0.1	0
1625	Sputtering of Aluminum Cathodes on OLEDs Using Linear Facing Target Sputtering with Ladder-Type Magnet Arrays. Journal of the Electrochemical Society, 2008, 155, J187.	1.3	24
1626	Photoluminescence and electroluminescence of a tripodal compound containing 7-diethylamino-coumarin moiety. Journal Physics D: Applied Physics, 2008, 41, 235406.	1.3	6
1627	Kinetics of transient electroluminescence in organic light emitting diodes. Journal Physics D: Applied Physics, 2008, 41, 165101.	1.3	2
1628	Improved efficiency in organic light-emitting devices with tris-(8-hydroxyquinoline) aluminium doped 9,10-di(2-naphthyl) anthracene emission layer. Journal Physics D: Applied Physics, 2008, 41, 225103.	1.3	1
1629	Red organic light-emitting diodes based on wide band gap emitting material as the host utilizing two-step energy transfer. Semiconductor Science and Technology, 2008, 23, 035024.	1.0	9
1630	Evolution of the unoccupied states in Cs-doped copper phthalocyanine. Applied Physics Letters, 2008, 92, 053309.	1.5	29
1631	Improved Fabrication Process for Enhancing Light Emission in Single-Layer Organic Light-Emitting Devices Doped with Organic Salt. Japanese Journal of Applied Physics, 2008, 47, 1101-1103.	0.8	2
1632	Trap Assisted Carrier Recombination in 4-(Dicyanomethylene)-2-methyl-6-(4-dimethylaminostyryl)-4H-pyran Doped Bis[2-(2-hydroxyphenyl)bezoxazolate] Zinc. Japanese Journal of Applied Physics, 2008, 47, 3408-3411.	0.8	6
1633	Red and Near-Infrared Electroluminescences from Metal-Free Phthalocyanine. Chinese Physics Letters, 2008, 25, 2261-2264.	1.3	5
1634	Emissive Interface States in Organic Light-Emitting Diodes Based on Tris(8-hydroxyquinoline) Aluminum. Japanese Journal of Applied Physics, 2008, 47, 464-467.	0.8	6

#	Article	IF	Citations
1635	Electro-Optical Properties and X-ray Crystal Structure of a New Bisazomethine Dye. Molecular Crystals and Liquid Crystals, 2008, 492, 46/[410]-55/[419].	0.4	6
1636	Continuously tunable laser emission from a wedge-shaped organic microcavity. Applied Physics Letters, 2008, 92, .	1.5	46
1637	Carrier trapping and scattering in amorphous organic hole transporter. Applied Physics Letters, 2008, 92, 103315.	1.5	71
1638	Cavity effects on light extraction in organic light emitting devices. Applied Physics Letters, 2008, 92, .	1.5	40
1639	High efficiency deep-blue organic light-emitting diode with a blue dye in low-polarity host. Applied Physics Letters, 2008, 92, .	1.5	27
1640	Conducting polymer nanofilm growth on a nanoscale linked-crater pattern fabricated on an Al surface. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2008, 26, 824-831.	0.9	2
1641	High efficiency electrophosphorescence device using a thin cleaving layer in an Ir-complex doped emitter layer. Applied Physics Letters, 2008, 92, 253309.	1.5	17
1642	Dependence of Effective Doping Concentration on the Molecular Structure of Dopant: ABCV-P Doped OLEDs with Broad Range of and High Doping Concentration. Molecular Crystals and Liquid Crystals, 2008, 491, 40-52.	0.4	9
1643	Enhanced hole injection and transport in molybdenum-dioxide-doped organic hole-transporting layers. Journal of Applied Physics, 2008, 103, .	1.1	57
1644	Enhancing power conversion efficiencies and operational stability of organic light-emitting diodes by increasing carrier injection efficiencies at anode/organic and organic/organic heterojunction interfaces. Journal of Applied Physics, 2008, 104, .	1.1	19
1645	Color-stable, efficient fluorescent pure-white organic light-emitting diodes with device architecture preventing excessive exciton formation on guest. Applied Physics Letters, 2008, 92, 223504.	1.5	40
1646	Pâ€211: High Quantum Efficiency of New Deepâ€Blue EML Materials in OLED. Digest of Technical Papers SID International Symposium, 2008, 39, 2001-2004.	0.1	0
1647	Photoluminescence submicrometre spatial modulation of 6,13 pentacenequinone thin films. Journal Physics D: Applied Physics, 2008, 41, 112003.	1.3	5
1648	æœ‰æ©ŸELæŠ€è¡“å±•æœ›ã•ç…§æ˜Žç´šé–‹ç™ºã«å‘ã‘ãŸÿè²¢é¡Œ. Kobunshi, 2008, 57, 822-826.	0.0	0
1649	Study on Facile Synthesis, Crystal Structure, and Solid-State Fluorescence of Dicyclohexane-Annelated Anthracene. Bulletin of the Chemical Society of Japan, 2008, 81, 754-756.	2.0	16
1650	Electronic structure of doping in organic semiconductor. , 2008, , .		3
1651	2-(1-Propyl-2,6-distyryl-1,4-dihydropyridin-4-ylidene)malononitrile. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o3131-o3131.	0.2	3
1652	Highly efficient nondoped green organic light-emitting devices based on a substituted triphenylpyridine derivative. Applied Physics Letters, 2009, 95, 133301.	1.5	17

#	Article	IF	Citations
1653	High-speed electroluminescence modulation of a conjugated-polymer light emitting diode. Applied Physics Letters, 2009, 94, .	1.5	33
1654	Blue phosphorescent organic light-emitting device with double emitting layer. Applied Physics Letters, 2009, 94, 223301.	1.5	41
1655	Emitting-layer design of white organic light-emitting devices with single-host material. Journal of Applied Physics, 2009, 106, 024503.	1.1	29
1656	Low-temperature electronic structures and intramolecular interaction of oligofluorenes studied by synchrotron photoemission spectroscopy. Applied Physics Letters, 2009, 95, 083302.	1.5	0
1657	Space charge effects on the electroluminescence efficiency and stability of organic light-emitting devices with mixed emitting layers. Applied Physics Letters, 2009, 95, 073304.	1.5	19
1658	ELECTROLUMINESCENT PROPERTIES OF CERTAIN POLYAROMATIC COMPOUNDS: PART 2â€“ORGANIC EMITTERS. Polycyclic Aromatic Compounds, 2009, 29, 139-159.	1.4	16
1659	Pâ€•153: Exciton Distribution and Microcavity Effects in Designing Top Emitting OLED Devices. Digest of Technical Papers SID International Symposium, 2009, 40, 1694-1697.	0.1	3
1660	Spectrum study of top-emitting organic light-emitting devices with micro-cavity structure. Journal of Semiconductors, 2009, 30, 044007.	2.0	4
1661	Electroluminescence of a single active layer polymerâ€“nanocrystal hybrid light-emitting diode with inversion symmetry. Nanotechnology, 2009, 20, 275205.	1.3	19
1662	The Li3PO4/Al bilayer: An efficient cathode for organic light emitting devices. Journal of Applied Physics, 2009, 105, 084513.	1.1	7
1663	Influence of the polarity of dopants on red organic light-emitting devices. Journal Physics D: Applied Physics, 2009, 42, 055116.	1.3	1
1664	Improved chromaticity and electron injection in a blue organic light-emitting device by using a dual electron-transport layer with hole-blocking function. Semiconductor Science and Technology, 2009, 24, 075021.	1.0	9
1665	Electron injection behavior from the magnesium electrode into a family of electron-transporting amorphous molecular materials, a,ï‰-bis(dimesitylboryl)oligothiophene. , 2009, , .		1
1666	Tuning the emissive colour of top-emitting organic light-emitting diodes by using exterior multilayer films. Journal Physics D: Applied Physics, 2009, 42, 035107.	1.3	3
1667	Balanced Full-Color White Organic Light-Emitting Devices with Simple Double-Emissive-Layer Structure. Japanese Journal of Applied Physics, 2009, 48, 042102.	0.8	6
1668	Novel Cs2CO3:Ag/Ag Cathode for High-Efficiency Organic Light-Emitting Diodes. Japanese Journal of Applied Physics, 2009, 48, 020206.	0.8	5
1669	Electronic Structure Calculation of Banana-Shaped Liquid Crystals. Molecular Crystals and Liquid Crystals, 2009, 510, 214/[1348]-222/[1356].	0.4	3
1670	Highly efficient tris(8-hydroxyquinoline) aluminum-based organic light-emitting diodes utilized by balanced energy transfer with cosensitizing fluorescent dyes. Applied Physics Letters, 2009, 95, 143305.	1.5	9

#	Article	IF	Citations
1671	Fabrication of White Organic Light-Emitting Diodes Using Two Complementary Color Methods. Molecular Crystals and Liquid Crystals, 2009, 510, 282/[1416]-292/[1426].	0.4	0
1672	Multi quantum well structures in deep blue organic light-emitting diode. Europhysics Letters, 2009, 85, 18002.	0.7	2
1673	Electrical Current Aging of Mixed-Host Organic Light-Emitting Devices with Thin Doped Layer. Journal of the Electrochemical Society, 2009, 156, J342.	1.3	1
1674	Organic light-emitting devices based on solution-processible quinolato-complex supramolecules. Materials Chemistry and Physics, 2009, 113, 1003-1008.	2.0	13
1675	Electric field evolution of charge and energy transfer in molecule-doped polymer light-emitting diodes. Materials Chemistry and Physics, 2009, 114, 660-664.	2.0	4
1676	A study of ultraviolet-curable organic/inorganic hybrid nanocomposites and their encapsulating applications for organic light-emitting diodes. Materials Chemistry and Physics, 2009, 115, 541-546.	2.0	9
1677	Achieving blue luminescence of Alq3 through the pull-push effect of the electron-withdrawing and electron-donating substituents. Materials Chemistry and Physics, 2009, 115, 841-845.	2.0	20
1678	Organic Devices for Integrated Photonics. Proceedings of the IEEE, 2009, 97, 1627-1636.	16.4	4
1679	Multifunctional Deepâ€Blue Emitter Comprising an Anthracene Core and Terminal Triphenylphosphine Oxide Groups. Advanced Functional Materials, 2009, 19, 560-566.	7.8	242
1680	Highly Efficient Red Phosphorescent OLEDs based on Nonâ€Conjugated Siliconâ€Cored Spirobifluorene Derivative Doped with Irâ€Complexes. Advanced Functional Materials, 2009, 19, 420-427.	7.8	140
1681	Study of Energy Transfer and Triplet Exciton Diffusion in Holeâ€Transporting Host Materials. Advanced Functional Materials, 2009, 19, 3157-3164.	7.8	66
1682	Fluoreneâ€Based Oligomers for Highly Efficient and Stable Organic Blueâ€Lightâ€Emitting Diodes. Advanced Materials, 2009, 21, 2425-2429.	11.1	106
1683	Organic Electronics: From Materials to Devices. Advanced Materials, 2009, 21, 1401-1403.	11.1	78
1684	Systematic Investigation of Molecular Arrangements and Solidâ€State Fluorescence Properties on Salts of Anthraceneâ€2,6â€disulfonic Acid with Aliphatic Primary Amines. Chemistry - A European Journal, 2009, 15, 8175-8184.	1.7	81
1685	Synthesis, Structure, Photoluminescence and Photoreactivity of 2,3â€Diphenylâ€4â€neopentylâ€1â€silacyclobutâ€2â€enes. Chemistry - A European Journal, 2009, 15, 8625-8645.	1.7	13
1686	Novel Synthesis of 4Hâ€Quinolizine Derivatives Using Sulfonyl Ketene Dithioacetals. European Journal of Organic Chemistry, 2009, 2009, 5847-5853.	1.2	18
1687	Excitation Energy Transfer in Organic Materials: From Fundamentals to Optoelectronic Devices. Macromolecular Rapid Communications, 2009, 30, 1203-1231.	2.0	177
1688	Development of organic lightâ€emitting diodes for electroâ€optical integrated devices. Laser and Photonics Reviews, 2010, 4, 300-310.	4.4	48

#	Article	IF	Citations
1689	The effect of rubidium chloride on properties of organic light-emitting diodes. Solid-State Electronics, 2009, 53, 1154-1158.	0.8	7
1690	Mechanism of droplet generation in silver thin films for organic light-emitting diode displays. Thin Solid Films, 2009, 517, 2941-2944.	0.8	10
1691	Photo- and electro-luminescent properties of 5,10,15,20-tetra-p-tolyl-21H,23H-porphine doped poly[2-methoxy-5-(2â€²-ethylhexyloxy)-1,4-phenylenevinylene] films. Thin Solid Films, 2009, 517, 3340-3344.	0.8	4
1692	Red organic light-emitting diodes with high efficiency, low driving voltage and saturated red color realized via two step energy transfer based on ADN and Alq3 co-host system. Current Applied Physics, 2009, 9, 257-262.	1.1	11
1693	Terahertz absorption spectra of 8-hydroxyquinoline and its some metal complexes. Journal of Molecular Structure, 2009, 936, 56-59.	1.8	5
1694	Novel luminescent polymers containing backbone triphenylamine groups and pendant quinoxaline groups. Dyes and Pigments, 2009, 83, 102-110.	2.0	21
1695	Full-color OLEDs based on conjugated materials. Frontiers of Optoelectronics in China, 2009, 2, 92-102.	0.2	2
1696	Fluorinated derivatives of mer-Alq3: energy decomposition analysis, optical properties, and charge transfer study. Theoretical Chemistry Accounts, 2009, 122, 275-281.	0.5	37
1697	Effect of one ligand substitution on charge transfer and optical properties in mer-Alq3: a theoretical study. Theoretical Chemistry Accounts, 2009, 124, 339-344.	0.5	29
1698	Optoelectronic properties of a novel fluorene derivative forÂorganic light-emitting diode. Applied Physics A: Materials Science and Processing, 2009, 94, 813-818.	1.1	3
1699	Synthesis and luminescent properties of polycrystalline Gd2(MoO4)3:Dy3+ for white light-emitting diodes. Journal of Rare Earths, 2009, 27, 753-757.	2.5	28
1700	Studies on organic lightâ€emitting diodes based on rubreneâ€doped zinc quinolate. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1660-1663.	0.8	4
1701	Investigation on internal electric field distribution of organic lightâ€emitting diodes (OLEDs) with Eu₂O₃ buffer layer. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2641-2644.	0.8	8
1702	Anionic triphenylamineâ€and fluoreneâ€based conjugated polyelectrolyte as a holeâ€transporting material for polymer lightâ€emitting diodes. Polymer International, 2009, 58, 373-379.	1.6	16
1703	Novel poly(arylene ethynylene) derivatives containing main chain triphenylamine and pendent quinoxaline moieties: synthesis and elementary characterization. Polymer International, 2009, 58, 800-806.	1.6	12
1704	Influence of co-deposited active layers on carrier transport and luminescent properties in organic light emitting diodes. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 330-333.	0.8	1
1705	Poly(triphenylamine)s derived from oxidative coupling reaction: Substituent effects on the polymerization, electrochemical, and electroâ€optical properties. Journal of Polymer Science Part A, 2009, 47, 285-294.	2.5	42
1706	Synthesis of copolyfluorenes containing green chromophores based on triphenylamine unit and their application in lightâ€emitting diodes. Journal of Polymer Science Part A, 2009, 47, 1553-1566.	2.5	17

#	Article	IF	Citations
1707	Synthesis, photophysics, and electroluminescent performance of stable blueâ€lightâ€emitting copoly(9,9â€diarylfluorene)s. Journal of Polymer Science Part A, 2009, 47, 2821-2834.	2.5	26
1708	Red and near-infrared electroluminescence from organic light-emitting devices based on a soluble substituted metal-free phthalocyanine. Optical Materials, 2009, 31, 889-894.	1.7	21
1709	Temperature dependence of fluorescence and phosphorescence of the triphenylamine dimer 3-methyl-TPD. Optical Materials, 2009, 31, 980-988.	1.7	5
1710	An efficient bis(2-phenylquinoline) (acetylacetonate) iridium(III)-based red organic light-emitting diode with alternating guest:host emitting layers. Organic Electronics, 2009, 10, 320-325.	1.4	9
1711	Efficient red electrophosphorescence from a fluorene-based bipolar host material. Organic Electronics, 2009, 10, 871-876.	1.4	104
1712	Evolution of the unoccupied states in alkali metal-doped organic semiconductor. Journal of Electron Spectroscopy and Related Phenomena, 2009, 174, 45-49.	0.8	6
1713	Synthesis, structure, photoluminescence and theoretical studies of an In(III) complex with 2-(2â€²-hydroxylphenyl)benzoxazole. Inorganica Chimica Acta, 2009, 362, 2033-2038.	1.2	15
1714	Efficient red-emitting cyclometalated iridium(III) complex and applications of organic light-emitting diode. Inorganica Chimica Acta, 2009, 362, 5017-5022.	1.2	23
1715	Drastic solid-state fluorescence enhancement behaviour of imidazo[4,5-a]naphthalene-type fluorescent hosts upon inclusion of polyethers and tert-butyl alcohol. Tetrahedron, 2009, 65, 1467-1474.	1.0	14
1716	New Alq3 derivatives with efficient photoluminescence and electroluminescence properties for organic light-emitting diodes. Tetrahedron, 2009, 65, 9707-9712.	1.0	31
1717	Application of time-dependent density-functional theory to molecules and nanostructures. Computational and Theoretical Chemistry, 2009, 914, 115-129.	1.5	13
1718	Transient characteristics of organic light-emitting diodes with efficient energy transfer in emitting material. Thin Solid Films, 2009, 518, 567-570.	0.8	6
1719	Effect of swift heavy ion irradiation on photoluminescence of Tris-(8-hydroxyquinoline)aluminum thin films. Surface and Coatings Technology, 2009, 203, 2679-2681.	2.2	5
1720	Synthesis, characterization and high-efficiency blue electroluminescence based on coumarin derivatives of 7-diethylamino-coumarin-3-carboxamide. Organic Electronics, 2009, 10, 653-660.	1.4	65
1721	Efficient single layer RGB phosphorescent organic light-emitting diodes. Organic Electronics, 2009, 10, 1146-1151.	1.4	45
1722	Improved efficiency for green and red emitting electroluminescent devices using the same cohost composed of 9,10-di(2-naphthyl) anthracene and tris-(8-hydroxyquinolinato) aluminum. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 42, 158-161.	1.3	4
1723	Surface layer-by-layer chemical deposition reaction for thin film formation of nano-sized metal 8-hydroxyquinolate complexes. Polyhedron, 2009, 28, 181-187.	1.0	33
1724	Nano-sized Co(II)-8-hydroxyquinolate complex thin film via surface layer-by-layer chemical deposition method: Optimized factors and optical properties. Polyhedron, 2009, 28, 3407-3414.	1.0	18

#	Article	IF	Citations
1725	Hole-limiting conductive vinyl copolymers for AlQ3-based OLED applications. Polymer, 2009, 50, 4602-4611.	1.8	20
1726	Synthesis and photoluminescent properties of two novel tripodal compounds containing coumarin moieties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 168-173.	2.0	26
1727	Pushâ€“pull effect on the charge transfer, and tuning of emitting color for disubstituted derivatives of mer-Alq3. Chemical Physics, 2009, 364, 39-45.	0.9	38
1728	Photoluminescence characteristics of tris(2-phenylquinoline)iridium(III) dispersed in an iridium complex host layer. Chemical Physics Letters, 2009, 483, 224-226.	1.2	27
1729	White light generation combining emissions from exciplex, excimer and electromer in TAPC-based organic light-emitting diodes. Chemical Physics Letters, 2009, 484, 54-58.	1.2	68
1730	The synthesis and optical properties of quinoxalines bearing 2,2â€²:6â€²,2â€³-terpyridine. Dyes and Pigments, 2009, 80, 168-173.	2.0	6
1731	Multifunctional emissive material based on 1-phenyl-1,2,3,4-tetrahydroquinoline. Dyes and Pigments, 2009, 81, 131-136.	2.0	9
1732	The facile synthesis and high efficiency of the red electroluminescent dopant DCINB: A promising alternative to DCJTB. Dyes and Pigments, 2009, 82, 316-321.	2.0	21
1733	The effect of driving voltage on the electroluminescent property of a blend of poly(9-vinylcarbazole) and 2-(4-biphenylyl)-5-phenyl-1,3,4-oxadiazole. Current Applied Physics, 2009, 9, 1038-1041.	1.1	20
1734	Studies on influence of light on fluorescence of Tris-(8-hydroxyquinoline)aluminum thin films. Applied Surface Science, 2009, 255, 5760-5763.	3.1	24
1735	Synthesis and Characterization of Novel Conjugated Polymer with 4H-Cyclopenta[def]phenanthrene and the Sulfanyl Group. Polymer Journal, 2009, 41, 138-145.	1.3	3
1736	Chemistry as a Prism: A Review of Lightâ€Emitting Materials Having Tunable Emission Wavelengths. Chemistry - an Asian Journal, 2009, 4, 1646-1658.	1.7	130
1737	Theoretical study of solvent effect on one- and two-photon absorption properties of starburst DCM derivatives. Physical Chemistry Chemical Physics, 2009, 11, 11538.	1.3	19
1738	Doped Organic Crystals with High Efficiency, Color-Tunable Emission toward Laser Application. Crystal Growth and Design, 2009, 9, 4945-4950.	1.4	85
1739	Facile Route to Organoboron Quinolate Polymers through Boron-Induced Ether Cleavage. Macromolecules, 2009, 42, 3448-3453.	2.2	44
1740	Dynamic Behavior of Electroluminescence from Phosphor-Sensitized Red Fluorescent Organic Light-Emitting Diodes. Journal of Physical Chemistry C, 2009, 113, 11520-11523.	1.5	8
1741	Efficient near-infrared organic light-emitting devices based on low-gap fluorescent oligomers. Journal of Applied Physics, 2009, 106, .	1.1	62
1742	Combinatorially Responsive, Polarity-Indicative, Charge Transfer Dye-Based Polymer Gels for Odor Visualization in VOC Sensor Array. Macromolecules, 2009, 42, 902-904.	2.2	16

#	Article	IF	Citations
1743	Bipolar Molecule as an Excellent Hole-Transporter for Organic-Light Emitting Devices. Chemistry of Materials, 2009, 21, 1284-1287.	3.2	121
1744	Molecular Design, Device Function and Surface Potential of Zwitterionic Electron Injection Layers. Journal of the American Chemical Society, 2009, 131, 8903-8912.	6.6	42
1745	Synthesis and Application of Thiadiazoloquinoxaline-Containing Chromophores as Dopants for Efficient Near-Infrared Organic Light-Emitting Diodes. Journal of Physical Chemistry C, 2009, 113, 1589-1595.	1.5	115
1746	Efficient Deep-Blue Organic Light-Emitting Diodes Based on 9,9-Bis(4-biphenylyl)fluorene Derivatives. Journal of Physical Chemistry C, 2009, 113, 6261-6266.	1.5	50
1747	A High Performance Nondoped Blue Organic Light-Emitting Device Based on a Diphenylfluoranthene-Substituted Fluorene Derivative. Journal of Physical Chemistry C, 2009, 113, 6227-6230.	1.5	40
1748	Purity determination of 8-hydroxyquioline aluminum by differential scanning calorimetry. Synthetic Metals, 2009, 159, 162-165.	2.1	7
1749	Synthesis, photophysical and electroluminescent properties of donorâ€“acceptorâ€“donor molecules based on Î±-cinnamoyl cyclic ketene dithioacetals. Synthetic Metals, 2009, 159, 153-157.	2.1	2
1750	Reversible transformation and fluorescence modulation in polymorphic crystals of n-butylammonium 2-naphthalenesulfonate. Synthetic Metals, 2009, 159, 905-909.	2.1	7
1751	Theoretical Investigation of Organic Amines as Hole Transporting Materials: Correlation to the Hammett Parameter of the Substituent, Ionization Potential, and Reorganization Energy Level. Australian Journal of Chemistry, 2009, 62, 483.	0.5	11
1752	Numerical simulation on white OLEDs with dotted-line doped emitting layers. , 2009, , .		2
1753	ELECTROLUMINESCENT PROPERTIES OF CERTAIN POLYAROMATIC COMPOUNDS: PART 1â€“CHARACTERISTICS OF OLED DEVICES BASED ON FLUORESCENT POLYAROMATIC DOPANTS. Polycyclic Aromatic Compounds, 2009, 29, 123-138.	1.4	4
1754	Hydroxynaphthyridine-Derived Group III Metal Chelates: Wide Band Gap and Deep Blue Analogues of Green Alq₃ (Tris(8-hydroxyquinolate)aluminum) and Their Versatile Applications for Organic Light-Emitting Diodes. Journal of the American Chemical Society, 2009, 131, 763-777.	6.6	151
1755	Nonconjugated Carbazoles: A Series of Novel Host Materials for Highly Efficient Blue Electrophosphorescent OLEDs. Journal of Physical Chemistry C, 2009, 113, 6761-6767.	1.5	86
1756	OLED with Holeâ€Transporting Layer Fabricated by Inkâ€Jet Printing. Macromolecular Symposia, 2009, 286, 101-106.	0.4	1
1757	Specificity and Selectivity in Photoluminescent Properties of Ï€-Conjugated Benzheterazole Molecules. Journal of Physical Chemistry C, 2009, 113, 20942-20948.	1.5	4
1758	Theoretical investigation of the electronic structure of the Alq₃Mg interface. Journal of Physics Condensed Matter, 2009, 21, 064247.	0.7	12
1759	Inkjet Printed Polymer Layer on Flexible Substrate for OLED Applications. Journal of Physical Chemistry C, 2009, 113, 13398-13402.	1.5	110
1760	Enhancing the Photochemical Stability of N,C-Chelate Boryl Compounds: Cî—¸C Bond Formation versus Cî—¸C Bond cis,trans-Isomerization. Journal of the American Chemical Society, 2009, 131, 14549-14559.	6.6	85

#	Article	IF	Citations
1761	Synthesis, Photophysics, and Electroluminescence of Mesogen-Jacketed 2D Conjugated Copolymers Based on Fluoreneâ^'Thiopheneâ^'Oxadiazole Derivative. Macromolecules, 2009, 42, 1037-1046.	2.2	41
1762	Selective protein and DNA adsorption on PLL-PEG films modulated by ionic strength. Soft Matter, 2009, 5, 613-621.	1.2	29
1763	White light-emitting diodes fabricated utilizing hybrid polymerâ€“colloidal ZnO quantum dots. Nanotechnology, 2009, 20, 365206.	1.3	35
1764	Aluminum(III), gallium(III), and indium(III) 4-hydroxyacridinato complexes. Journal of Coordination Chemistry, 2009, 62, 3351-3365.	0.8	6
1765	Emission Mechanism of Doubly ortho-Linked Quinoxaline/Diphenylfluorene or cis-Stilbene/Fluorene Hybrid Compounds Based on the Transient Absorption and Emission Measurements during Pulse Radiolysis. Journal of the American Chemical Society, 2009, 131, 6698-6707.	6.6	35
1766	Read-Out Frequency Response of Solution-Processed Organic Photoconductive Devices. Molecular Crystals and Liquid Crystals, 2009, 504, 212-222.	0.4	7
1767	Estimation of electron mobility of n-doped 4, 7-diphenyl-1, 10-phenanthroline using space-charge-limited currents. Journal of Semiconductors, 2009, 30, 114009.	2.0	6
1768	Semipermeable poly(ethylene glycol) films: the relationship between permeability and molecular structure of polymer chains. Soft Matter, 2009, 5, 4104.	1.2	19
1769	Synthesis, properties, and LED performance of highly luminescent metal complexes containing indolizino[3,4,5-ab]isoindoles. Journal of Materials Chemistry, 2009, 19, 5826.	6.7	21
1770	A real time video data adjusting method for active matrix organic light emitting diode displays with high image quality. IEEE Transactions on Consumer Electronics, 2009, 55, 2372-2376.	3.0	10
1771	Solid-State Emissive BODIPY Dyes with Bulky Substituents As Spacers. Organic Letters, 2009, 11, 2105-2107.	2.4	186
1772	Charge Transfer Dye in Various Polymers with Different Polarity: Synthesis, Photophysical Properties, and Unusual Aggregation-Induced Fluorescence Changes. Macromolecules, 2009, 42, 1733-1738.	2.2	24
1773	Design and Microwave-Assisted Synthesis of Naphtho[2,3-f]quinoline Derivatives and Their Luminescent Properties. ACS Combinatorial Science, 2009, 11, 239-242.	3.3	40
1774	Solution-Processable Red-Emission Organic Materials Containing Triphenylamine and Benzothiodiazole Units: Synthesis and Applications in Organic Light-Emitting Diodes. Journal of Physical Chemistry B, 2009, 113, 7745-7752.	1.2	63
1775	Improvement of carrier transport and luminous efficiency of organic light emitting diodes by introducing a co-deposited active layer. Journal of Physics: Conference Series, 2009, 193, 012106.	0.3	1
1776	Color-tunable organic light emitting diodes based on exciplex emission. , 2009, , .		4
1777	23.1: Invited Paper: Luminescence Quenching by Charge Carriers in Organic Lightâ€Emitting Diodes. Digest of Technical Papers SID International Symposium, 2009, 40, 306-309.	0.1	1
1778	46.3: Role of Chemical Transformations of Hole Transport Materials in Operational Degradation of the Current Generation of Highly Efficient Fluorescent OLEDs. Digest of Technical Papers SID International Symposium, 2009, 40, 687-690.	0.1	5

#	Article	IF	Citations
1780	EL Behavior for Blue-Emitting Aluminum Quinoline-Based Organic Light-Emitting Diodes. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2009, 22, 515-520.	0.1	7
1781	Highly Efficient Organic Light-emitting Devices based on a New Yellow Fluorescent Dopant. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2009, 22, 521-523.	0.1	0
1782	53.3: High Performance Top Emitting Green OLED Microâ€Displays. Digest of Technical Papers SID International Symposium, 2009, 40, 798-801.	0.1	7
1783	Synthesis of Quinolizino[3,2-a]quinolizine Derivatives and Their Fluorescence. Heterocycles, 2009, 78, 1271.	0.4	9
1784	Development of Fluorescent 2-Pyrone Derivatives Using Ketene Dithioacetals for Organic EL Devices. Heterocycles, 2009, 78, 555.	0.4	15
1785	Organic Light Emitting Diodes: materials, device structures and light extraction. International Journal of Materials and Product Technology, 2009, 34, 454.	0.1	1
1786	A recursive process for mapping and clustering technology literatures: case study in solid-state lighting. International Journal of Technology Transfer and Commercialisation, 2009, 8, 51.	0.2	4
1787	Organic light emitting devices based on two novel silole derivatives. Proceedings of SPIE, 2009, , .	0.8	0
1788	Theoretical studies on the structures and absorption spectra ofâ€“CnR2n+1(R = H, F;n= 1, 2) substituted 5-(2-pyridyl) pyrazolate boron complexes. Molecular Physics, 2009, 107, 2511-2520.	0.8	1
1789	Organic light-emitting diodes based on bipolar material FLAMB-1T. , 2010, , .		0
1790	Optical Properties of 4-(Dicyanomethylidene)-6-(4-dimethylaminostyryl)-2-methyl-4H-pyran Nanoparticles Prepared by Reprecipitation. Chemistry Letters, 2010, 39, 302-303.	0.7	4
1791	An aromatic imine group enhances the EL efficiency and carrier transport properties of highly efficient blue emitter for OLEDs. Journal of Materials Chemistry, 2010, 20, 5930.	6.7	63
1792	Linear and V-Shaped Nonlinear Optical Chromophores with Multiple 4H-Pyran-4-ylidene Moieties. Journal of Organic Chemistry, 2010, 75, 1684-1692.	1.7	61
1793	Versatile Benzimidazole/Triphenylamine Hybrids: Efficient Nondoped Deepâ€Blue Electroluminescence and Good Host Materials for Phosphorescent Emitters. Chemistry - an Asian Journal, 2010, 5, 2093-2099.	1.7	44
1794	Robust and highly efficient blue light-emitting hosts based on indene-substituted anthracene. Journal of Materials Chemistry, 2010, 20, 3768.	6.7	64
1795	Pendant-decorated polytriphenylamine derivative: potential blue-emitting and hole-transporting material. Polymer Bulletin, 2010, 64, 53-65.	1.7	3
1796	Performance improvement of rubrene-based organic light emitting devices with a mixed single layer. Applied Physics A: Materials Science and Processing, 2010, 100, 1103-1108.	1.1	22
1797	Dependence of the surface roughness of MAPLE-deposited films on the solvent parameters. Applied Physics A: Materials Science and Processing, 2010, 101, 759-764.	1.1	23

#	Article	IF	Citations
1798	Temperature dependence of carrier injection in small molecular organic light emitting device with a mixed single layer. Chemical Physics Letters, 2010, 501, 75-79.	1.2	3
1799	Improved electrophosphorescence efficiency for organic light-emitting diodes using the cohost with stepwise blending profile. Displays, 2010, 31, 128-131.	2.0	1
1800	Highly efficient undoped deep-blue electroluminescent device based on a novel pyrene derivative. Solid-State Electronics, 2010, 54, 524-526.	0.8	12
1801	Synthesis and characterization of an alternating copolymer consisting of N-(2-ethylhexyl)carbazole and 2,3-dimethylthieno[3,4-b]pyrazine units. Macromolecular Research, 2010, 18, 304-307.	1.0	9
1802	High-Efficiency Blue Emitting Phosphorescent OLEDs. IEEE Transactions on Electron Devices, 2010, 57, 101-107.	1.6	33
1803	Manipulating the Microcavity Structure for Highly Efficient Inverted Top-Emitting Organic Light-Emitting Diodes: Simulation and Experiment. IEEE Transactions on Electron Devices, 2010, 57, 2221-2226.	1.6	7
1804	Photoinduced energy transfer and charge transfer on squarylium cyanine dyes. Chinese Journal of Chemistry, 1998, 16, 499-508.	2.6	1
1805	1,3â€Diphenylâ€5â€(9â€phenanthryl)â€2â€pyrazoline(DPPhP): An Excellent Holeâ€Transport Material for Use in Organic Lightâ€Emitting Diodes. Chinese Journal of Chemistry, 2002, 20, 929-932.	2.6	10
1806	Isophoroneâ€based fluorescent dopant for red organic electroluminescence device. Chinese Journal of Chemistry, 2003, 21, 1280-1283.	2.6	0
1807	Delayed Fluorescent Emission from Pyrene Doped Phenanthrene Nanoparticles Based on Tripletâ€triplet Energy Transfer. Chinese Journal of Chemistry, 2010, 28, 2103-2108.	2.6	4
1808	Molecular Engineering of Blue Fluorescent Molecules Based on Silicon Endâ€Capped Diphenylaminofluorene Derivatives for Efficient Organic Lightâ€Emitting Materials. Advanced Functional Materials, 2010, 20, 1345-1358.	7.8	80
1809	Correlation Between Tripletâ€“Triplet Annihilation and Electroluminescence Efficiency in Doped Fluorescent Organic Lightâ€Emitting Devices. Advanced Functional Materials, 2010, 20, 1285-1293.	7.8	201
1810	Ultraviolet Luminescent, Highâ€Effectiveâ€Workâ€Function LaTiO₃â€Doped Indium Oxide and Its Effects in Organic Optoelectronics. Advanced Materials, 2010, 22, 2211-2215.	11.1	14
1811	Changing the Behavior of Chromophores from Aggregationâ€Caused Quenching to Aggregationâ€Induced Emission: Development of Highly Efficient Light Emitters in the Solid State. Advanced Materials, 2010, 22, 2159-2163.	11.1	834
1812	Emission properties of composite semiconducting polymer nanoparticles. Journal of Applied Polymer Science, 2010, 117, 3340-3344.	1.3	0
1813	Synthesis and Characterization of Highly Luminescent Copolymers of Methyl Methacrylate and Euâ€Complexed 5â€Acryloxyethoxymethylâ€8â€hydroxyquinoline. Macromolecular Chemistry and Physics, 2010, 211, 1733-1740.	1.1	19
1814	The manganese(III) complex with chelating Schiff base ligand: X-ray structure, spectroscopic and computational studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 453-457.	2.0	10
1815	Synthesis, crystal structures and photoluminescence of 7-(N,Nâ€²-diethylamino)-3-phenylcoumarin derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 75, 1036-1042.	2.0	6

#	Article	IF	Citations
1816	4- vs. 5-phenylquinolinolate aluminum (III) isomers. Journal of Luminescence, 2010, 130, 145-152.	1.5	9
1817	Improved performances of red organic light-emitting devices by co-doping a rubrene derivative and DCJTB into tris-(8-hydroxyquinoline) aluminum host. Journal of Luminescence, 2010, 130, 1676-1679.	1.5	9
1818	Bright electroluminescent devices with tunable spectra obtained by strictly controlling the doping concentration of electron injection sensitizer. Journal of Luminescence, 2010, 130, 2265-2270.	1.5	8
1819	Utilizing surface plasmon polariton mediated energy transfer for tunable double-emitting organic light-emitting devices. Organic Electronics, 2010, 11, 397-406.	1.4	29
1820	Characterizing coherence lengths of organic light-emitting devices using Newtonâ€™s rings apparatus. Organic Electronics, 2010, 11, 439-444.	1.4	15
1821	Vibronic coupling density analysis of hole-transporting materials: Electron-density difference in DFT and HF methods. Organic Electronics, 2010, 11, 1277-1287.	1.4	13
1822	Growth induced anisotropy of cobalt in cobalt/organic semiconductor films. Journal of Magnetism and Magnetic Materials, 2010, 322, 1251-1254.	1.0	5
1823	Synthesis, structures, photoluminescent and electroluminescent properties of boron complexes with anilido-imine ligands. Inorganica Chimica Acta, 2010, 363, 1441-1447.	1.2	17
1824	Synthesis, crystal structure and photo- and electro-luminescence of the coumarin derivatives with benzotriazole moiety. Organic Electronics, 2010, 11, 41-49.	1.4	49
1825	Deep blue, efficient, moderate microcavity organic light-emitting diodes. Organic Electronics, 2010, 11, 137-145.	1.4	33
1826	Fermi level equilibrium at donorâ€“acceptor interfaces in multi-layered thin film stack of TTF and TCNQ. Organic Electronics, 2010, 11, 212-217.	1.4	51
1827	Highly efficient blue-emitting materials based on 10-naphthylanthracene derivatives for OLEDs. Organic Electronics, 2010, 11, 905-915.	1.4	73
1828	High magnetic field effect in organic light emitting diodes. Organic Electronics, 2010, 11, 1212-1216.	1.4	7
1829	Synthesis, opto-physics, and electroluminescence of cyclometalated iridium (III) complex with alkyltrifluorene picolinic acid. Tetrahedron, 2010, 66, 1483-1488.	1.0	20
1830	Efficient blue lighting materials based on truxene-cored anthracene derivatives for electroluminescent devices. Tetrahedron, 2010, 66, 7577-7582.	1.0	49
1831	Heterocyclic quinol-type fluorophores. Part 9: Effect of forming a continuous intermolecular hydrogen bonding chain between fluorophores on the solid-state fluorescence properties. Tetrahedron, 2010, 66, 7954-7960.	1.0	24
1832	Strategy for the increasing the solid-state fluorescence intensity of pyrromethene–BF2 complexes. Tetrahedron Letters, 2010, 51, 6195-6198.	0.7	86
1833	Effectiveness of tris–(8-Hydroxyquinoline)–aluminum doped with cesium-derivatives in organic light-emitting diodes. Thin Solid Films, 2010, 518, 3942-3944.	0.8	7

#	Article	IF	Citations
1834	Red top-emitting organic light-emitting device using 6, 13-di-(3, 5-diphenyl)phenylpentacene doped emitting system. Solid State Communications, 2010, 150, 1132-1135.	0.9	3
1835	Highly efficient and stable organic light-emitting diode by balancing drift current of charge. Current Applied Physics, 2010, 10, 1103-1107.	1.1	2
1836	Flexible top emission organic light-emitting devices using sputter-deposited Ni films on copy paper substrates. Current Applied Physics, 2010, 10, e135-e138.	1.1	25
1837	Electronâ€“vibration interactions in triphenylamine cation: Why are triphenylamine-based molecules good hole-transport materials?. Chemical Physics Letters, 2010, 486, 130-136.	1.2	19
1838	Singletâ€“triplet quenching in high intensity fluorescent organic light emitting diodes. Chemical Physics Letters, 2010, 495, 161-165.	1.2	57
1839	Red non-doped electroluminescent dyes based on arylamino fumaronitrile derivatives. Dyes and Pigments, 2010, 85, 86-92.	2.0	26
1840	Structural and spectroscopic characteristics of polycyclic fluorophores relevant to organic light-emitting diodes. Dyes and Pigments, 2010, 85, 109-116.	2.0	4
1841	High-efficiency undoped blue organic light-emitting device. Dyes and Pigments, 2010, 86, 233-237.	2.0	11
1842	The tautomerism, solvatochromism and non-linear optical properties of fluorescent 3-hydroxyquinoxaline-2-carboxalidine-4-aminoantipyrine. Dyes and Pigments, 2010, 87, 149-157.	2.0	34
1843	Synthesis, characterization, and electroluminescence of polyfluorene copolymers containing Tâ€shaped isophorone derivatives. Journal of Polymer Science Part A, 2010, 48, 82-90.	2.5	10
1844	Novel triarylamineâ€based alternating conjugated polymer with high hole mobility: Synthesis, electroâ€optical, and electronic properties. Journal of Polymer Science Part A, 2010, 48, 4654-4667.	2.5	40
1845	Synthesis, Crystal Structure, and Photoluminescence of Srâ€Îâ€SiAlON:Eu²⁺. Journal of the American Ceramic Society, 2010, 93, 465-469.	1.9	33
1846	Organic Light Emitting Diodes for White Light Emission. , 0, , .		3
1847	Issue of Interfaces in Organic Light-Emitting Diodes. Journal of the Vacuum Society of Japan, 2010, 53, 8-12.	0.3	0
1848	Electron mobility characterization in OLEDs from ac small signal optical modulation. Journal Physics D: Applied Physics, 2010, 43, 195103.	1.3	6
1849	Electroluminescence quenching mechanism in Rubrene doped hostâ€”guest system. Chinese Physics B, 2010, 19, 037804.	0.7	3
1850	Deep-blue Electroluminescence of 9,9-Dialkyl-substituted Polyfluorene Copolymers Incorporating Diphenylsilane Units. High Performance Polymers, 2010, 22, 442-457.	0.8	1
1851	Luminance and image quality analysis of an organic electroluminescent panel with a patterned microlens array attachment. Journal of Optics (United Kingdom), 2010, 12, 085502.	1.0	5

#	Article	IF	Citations
1852	Dependence of charge trapping of fluorescent and phosphorescent dopants in organic light-emitting diodes on the dye species and current density. Chinese Physics B, 2010, 19, 037105.	0.7	1
1853	White Organic Light Emitting Devices Based on Multiple Emissive Nanolayers. Nano-Micro Letters, 2010, 2, 242-246.	14.4	15
1854	Diarylamino-substituted stilbene derivatives for blue organic light-emitting diodes. , 2010, , .		0
1855	A stable red organic light-emitting diode based on a pentacene derivative. , 2010, , .		0
1856	Remarkable increase in the efficiency of N,Nâ€²-dimethylquinacridone dye heavily doped organic light emitting diodes under high current density. Applied Physics Letters, 2010, 96, .	1.5	7
1857	Variable sensitivity of organic light-emitting diodes to operation-induced chemical degradation: Nature of the antagonistic relationship between lifetime and efficiency. Journal of Applied Physics, 2010, 108, 074513.	1.1	28
1858	A boron-containing molecule as an efficient electron-transporting material with low-power consumption. Applied Physics Letters, 2010, 97, 142111.	1.5	30
1859	Probing triplet-triplet annihilation zone and determining triplet exciton diffusion length by using delayed electroluminescence. Journal of Applied Physics, 2010, 107, .	1.1	30
1860	Tailoring the Spin Functionality of a Hybrid Metal-Organic Interface by Means of Alkali-Metal Doping. Physical Review Letters, 2010, 104, 217602.	2.9	39
1861	Green-lightâ€“emitting electroluminescent device based on a new cadmium complex. Europhysics Letters, 2010, 90, 57004.	0.7	3
1862	Effect of inserting of thin Rubrene layer on performance of Organic Light-Emitting Diodes based on Zn(BTz)₂. Journal of Physics: Conference Series, 2010, 253, 012048.	0.3	0
1863	Studies on the Fluorescence of Tris-(8-hydroxyquinoline)Aluminum and the Effect of Light Exposure. Polymer-Plastics Technology and Engineering, 2010, 49, 1289-1291.	1.9	0
1864	Interfacial Reactions and Doping in Organic Light Emitting Diodes Incorporated with Cesium-Based Compounds. Electrochemical and Solid-State Letters, 2010, 13, H203.	2.2	3
1865	Red-emitting fluorescent organic light emitting diodes with low sensitivity to self-quenching. Journal of Applied Physics, 2010, 108, .	1.1	32
1866	A very high efficiency electrophosphorescent device doped with short triplet lifetime phosphor using multi-recombination zones. Journal Physics D: Applied Physics, 2010, 43, 105101.	1.3	9
1867	Enforced Effects of Side Group Substitution Position on Luminescence Properties; Synthesis of Bis(dipyrrinato)zinc Complex Derivatives. Molecular Crystals and Liquid Crystals, 2010, 531, 65/[365]-72/[372].	0.4	18
1868	Selective Synthesis of Facial and Meridianal Isomers of Alq₃. Molecular Crystals and Liquid Crystals, 2010, 529, 42-52.	0.4	17
1869	Prospects for Organic Dye Nanoparticles. Springer Series on Fluorescence, 2010, , 285-304.	0.8	9

#	Article	IF	Citations
1870	Dynamics of the Excited States of [Ir(ppy)₂bpy]⁺ with Triple Phosphorescence. Journal of Physical Chemistry A, 2010, 114, 10339-10344.	1.1	86
1871	Highly efficient non-doped deep-blue organic light-emitting diodes based on anthracene derivatives. Journal of Materials Chemistry, 2010, 20, 1560.	6.7	115
1872	Pâ€150: High Temperature High Performance Top Emitting Yellow OLED. Digest of Technical Papers SID International Symposium, 2010, 41, 1812-1815.	0.1	2
1873	Designing of Disubstituted Derivatives of mer-Alq3: Quantum Theoretical Study. Australian Journal of Chemistry, 2010, 63, 1283.	0.5	11
1874	Morphological Control of the Electrochemically Deposited Poly(4-vinyltriphenylamines) (PVTPAs). Langmuir, 2010, 26, 5147-5152.	1.6	6
1875	High-Brightness, Broad-Spectrum White Organic Electroluminescent Device Obtained by Designing Light-Emitting Layers as also Carrier Transport Layers. Journal of Physical Chemistry C, 2010, 114, 21723-21727.	1.5	17
1876	Photophysical Properties of the Seriesfac-andmer-(1-Phenylisoquinolinato-N^{â^§}C^{2â€²})_x(2-phenylpyridinato-N^{â^§}C^{2â€²})_(3-x) (x= 1â^'3). Inorganic Chemistry, 2010, 49, 9151-9161.	4.4	74
1877	Visible Light Sensitization of TiO₂ Surfaces with Alq3 Complexes. Journal of Physical Chemistry C, 2010, 114, 1317-1325.	1.5	37
1878	Theoretical Investigation on the Effect of Protonation on the Absorption and Emission Spectra of Two Amine-Group-Bearing, Red â€œPushâ^'Pullâ€•Emitters, 4-Dimethylamino-4â€²-nitrostilbene and 4-(dicyanomethylene)-2-methyl-6-p-(dimethylamino) styryl-4H-pyran, by DFT and TDDFT Calculations. Journal of Physical Chemistry A, 2010, 114, 5580-5587.	1.1	42
1879	Efficient Single-Layer Organic Light-Emitting Diodes Based on C545T-Alq₃ System. Journal of Physical Chemistry C, 2010, 114, 11931-11935.	1.5	43
1880	Improved Performance of Top-Emission Organic Light Emitting Device With a Mixed Single Layer. Molecular Crystals and Liquid Crystals, 2010, 519, 1-8.	0.4	5
1881	Zinc Tetraphenylporphyrinâ^'Fluorene Branched Copolymers: Synthesis and Light-Emitting Properties. Macromolecules, 2010, 43, 709-715.	2.2	59
1882	Synthesis and luminescence of polymeric metal complexes based on 1,10-phenanthroline and 8-hydroxyquinoline. Journal of Coordination Chemistry, 2010, 63, 3117-3126.	0.8	3
1883	Fluorescence Enhancement by Symmetry Breaking in a Twisted Triphenylene Derivative. Journal of Physical Chemistry A, 2010, 114, 13291-13295.	1.1	18
1884	Rodlike Fluorescent Ï€-Conjugated 3,3â€²-Bipyridazine Ligand: Optical, Electronic, and Complexation Properties. Inorganic Chemistry, 2010, 49, 3991-4001.	1.9	28
1885	Amplified spontaneous emission from an Ag-backed red-fluorescent-dye-doped polymer film. Applied Optics, 2010, 49, 315.	2.1	5
1886	Estimation of the mean emission zone in phosphorescent organic light-emitting diodes with a thin emitting layer. Optics Express, 2010, 18, 16715.	1.7	6
1887	UV-ozone-treated ultra-thin NaF film as anode buffer layer on organic light emitting devices. Optics Express, 2010, 18, A167.	1.7	25

#	Article	IF	Citations
1888	Highly efficient phosphor-converted white organic light-emitting diodes with moderate microcavity and light-recycling filters. Optics Express, 2010, 18, 1099.	1.7	42
1889	Structural and optical properties of Tris(8-hydroxyquinoline) aluminum (III) (Alq3) thermal evaporated thin films. Journal of Alloys and Compounds, 2010, 507, 112-119.	2.8	79
1890	3,12-Dimethoxy-7,8-dicyano-[5]helicene as a novel emissive material for organic light-emitting diode. Synthetic Metals, 2010, 160, 1148-1152.	2.1	103
1891	A highly efficient deep blue fluorescent OLED based on diphenylaminofluorenylstyrene-containing emitting materials. Synthetic Metals, 2010, 160, 1259-1265.	2.1	40
1892	Synthesis and structure of a novel mixed-ligand electroluminescence-relevant complex of gallium(III) with 2-(2â€²-hydroxylphenyl)benzothiazole and acetate, and a theoretical investigation on effect of ancillary ligand on solid stacking structure, electroluminescent wavelength shift and other changes in photophysical properties compared to its conventional tris-chelate electroluminescence-relevant counterpart. Synthetic Metals, 2010, 160, 1662-1667.	2.1	6
1893	Theoretical studies of electronic structure and hole drift mobility of host hole transporting material 4,4â€²-N,Nâ€²-dicarbazol-biphenyl. Synthetic Metals, 2010, 160, 2104-2108.	2.1	9
1894	E-Type Delayed Fluorescence of a Phosphine-Supported Cu₂(Î¼-NAr₂)₂ Diamond Core: Harvesting Singlet and Triplet Excitons in OLEDs. Journal of the American Chemical Society, 2010, 132, 9499-9508.	6.6	445
1895	Light extraction from organic light-emitting diodes enhanced by spontaneously formed buckles. Nature Photonics, 2010, 4, 222-226.	15.6	538
1896	Displacementâ€current analysis of organic lightâ€emitting diodes. Journal of the Society for Information Display, 2010, 18, 103-107.	0.8	0
1897	Highly-efficient solution-processed OLEDs based on new bipolar emitters. Chemical Communications, 2010, 46, 3923.	2.2	67
1898	Blue-Violet Electroluminescence from a Highly Fluorescent Purine. Chemistry of Materials, 2010, 22, 3580-3582.	3.2	50
1899	A bipolar host containing 1,2,3-triazole for realizing highly efficient phosphorescent organic light-emitting diodes. New Journal of Chemistry, 2010, 34, 1317.	1.4	59
1900	Porous silicon optical microcavity for chemical sensing application using tris-(8-hydroxyquinoline) aluminum (Alq₃). EPJ Applied Physics, 2010, 51, 30701.	0.3	2
1901	A bright single layer non-doped orange-red light emitting diode using a symmetric starburst material via solution process. New Journal of Chemistry, 2010, 34, 1994.	1.4	8
1902	Study on lifetime of high brightness green organic light-emitting devices. Proceedings of SPIE, 2010, , .	0.8	0
1903	Study of Ion-Paired Iridium Complexes (Soft Salts) and Their Application in Organic Light Emitting Diodes. Journal of the American Chemical Society, 2010, 132, 3133-3139.	6.6	135
1905	Synthesis, Structures, Photoluminescent Behaviors, and DFT Studies of Novel Aluminum Complexes Containing Phenoxybenzotriazole Derivatives. Organometallics, 2010, 29, 347-353.	1.1	16
1906	Synthesis and Electroluminescent Properties of Blue Fluorescent Triphenylamine Substituted Anthracene Derivatives for OLEDs. Molecular Crystals and Liquid Crystals, 2010, 530, 48/[204]-55/[211].	0.4	2

#	Article	IF	Citations
1907	Phosphole-based Ï€-conjugated electroluminescent materials for OLEDs. New Journal of Chemistry, 2010, 34, 1603.	1.4	57
1908	Optical waveguides at micro/nanoscale based on functional small organic molecules. Physical Chemistry Chemical Physics, 2011, 13, 9060.	1.3	156
1909	Synthesis and Electroluminescent Properties of t-Butylated 2-(2-(4-(Diarylamino)styryl)-4H-chromen-4-ylidene)malononitrile Derivatives for OLED. Molecular Crystals and Liquid Crystals, 2011, 550, 250-259.	0.4	2
1910	Oligofluorene-based electrophoretic nanoparticles in aqueous medium as a donor scaffold for fluorescence resonance energy transfer and white-light emission. Chemical Science, 2011, 2, 291-294.	3.7	81
1911	Hybrid polymer-quantum dot based single active layer structured multi-functional device: Organic bistable device, LED and Photovoltaic cells. , 2011, , .		0
1912	Enhancement of luminescence intensity in TMPY/perylene co-single crystals. Journal of Materials Chemistry, 2011, 21, 17662.	6.7	38
1913	A theoretical study of bipolar organic transport material: Disilanyl double-pillared bisanthracene (^{Si}DPBA). Canadian Journal of Chemistry, 2011, 89, 1257-1263.	0.6	0
1914	Metalâ€“Ligand Bonding Strength of Fluoro-Substituted Cyclometalated Iridium(III) Complexes from Raman and Infrared Spectra. Journal of Physical Chemistry C, 2011, 115, 17163-17174.	1.5	18
1915	Phenanthroimidazole-derivative semiconductors as functional layer in high performance OLEDs. New Journal of Chemistry, 2011, 35, 1534.	1.4	87
1916	Pure White Organic Light-Emitting Diode with Lifetime Approaching the Longevity of Yellow Emitter. ACS Applied Materials & Interfaces, 2011, 3, 3134-3139.	4.0	12
1917	Direct Comparison of Solution- and Vacuum-Processed Small Molecular Organic Light-Emitting Devices with a Mixed Single Layer. ACS Applied Materials & Interfaces, 2011, 3, 2496-2503.	4.0	44
1918	Effects of Green Emission on the Performance of White Organic Light-Emitting Devices and Their Electroluminescent Characteristics. Journal of Physical Chemistry C, 2011, 115, 24341-24346.	1.5	21
1919	Highly Efficient Blue Fluorescence from 3,2â€²-Silylene-Bridged 2-Phenylindoles in the Solid State. Journal of Physical Chemistry C, 2011, 115, 11265-11274.	1.5	33
1920	Using Magneto-Electroluminescence As a Fingerprint to Identify the Carrier-to-Photon Conversion Process in Dye-Doped OLEDs. Journal of Physical Chemistry C, 2011, 115, 20295-20300.	1.5	13
1921	A phosphorescent material with high and balanced carrier mobility for efficient OLEDs. Chemical Communications, 2011, 47, 3150.	2.2	48
1922	Hole Transport in Triphenylamine Based OLED Devices: From Theoretical Modeling to Properties Prediction. Journal of Physical Chemistry A, 2011, 115, 14519-14525.	1.1	154
1923	Energy transfer between host and dopant molecules in blue organic light-emitting devices. Journal of Applied Physics, 2011, 110, .	1.1	22
1924	Spatial resolution of methods for measuring the light-emission profile in organic light-emitting diodes. Journal of Applied Physics, 2011, 110, 084512.	1.1	7

#	Article	IF	Citations
1925	Synthesis and photo- and electroluminescence properties of 3,6-disubstituted phenanthrenes: alternative host material for blue fluorophores. Chemical Communications, 2011, 47, 8865.	2.2	28
1926	Highly efficient deep-blue emitting organic light emitting diode based on the multifunctional fluorescent molecule comprising covalently bonded carbazole and anthracene moieties. Journal of Materials Chemistry, 2011, 21, 9139.	6.7	117
1927	Construction of efficient solid emitters with conventional and AIE luminogens for blue organic light-emitting diodes. Journal of Materials Chemistry, 2011, 21, 10949.	6.7	67
1928	Bipolar carrier transport in tris(8-hydroxy-quinolinato) aluminum observed by impedance spectroscopy measurements. Journal of Applied Physics, 2011, 110, .	1.1	32
1929	Plasmon Enhanced Spectroscopy of N,Nâ€²-Dialkylquinacridones Used as Codopants in OLEDs. Journal of Physical Chemistry C, 2011, 115, 16838-16843.	1.5	10
1930	An Overview of Organic Light-Emitting Diodes and their Applications. , 2011, , 73-107.		8
1931	Effect of Ultrathin Magnesium Layer on the Performance of Organic Light-Emitting Diodes. Energy Procedia, 2011, 12, 525-530.	1.8	0
1932	Investigation of the spin-dependent properties of electron doped cobaltâ€“CuPc interfaces. Synthetic Metals, 2011, 161, 570-574.	2.1	10
1933	The effect of deuteration on organic magnetoresistance. Synthetic Metals, 2011, 161, 608-612.	2.1	11
1934	Luminous efficiency enhancement of PVK based OLEDs with fac-[ClRe(CO)3(bpy)]. Synthetic Metals, 2011, 161, 1972-1975.	2.1	20
1935	Multifunctional electroluminescent material based on dimesitylboron and Î±-naphthylamino fluorene bridge. Synthetic Metals, 2011, 161, 2323-2328.	2.1	14
1936	Investigation of ¹H NMR Chemical Shifts of Organic Dye with Hydrogen Bonds and Ring Currents. Journal of Physical Chemistry A, 2011, 115, 2830-2836.	1.1	2
1937	Direct Arylation as a Synthetic Tool for the Synthesis of Thiophene-Based Organic Electronic Materials. Chemistry of Materials, 2011, 23, 1594-1600.	3.2	306
1938	Organic Light Emitting Diodes: Device Physics and Effect of Ambience on Performance Parameters. , 0, , .		0
1939	Optical properties of PTCDI thin films studied by contactless electroreflectance. , 2011, , .		0
1940	Improvement in viewing angle properties of top-emitting organic light-emitting devices. , 2011, , .		0
1941	Synthesis of Fluorescent Pyrrolo[3,4-b]quinolizine Derivatives and Evaluation as a Protein-Labeling Probe. Heterocycles, 2011, 83, 1983.	0.4	7
1942	Photoemission spectroscopy study of oxygen spectrum and the chemical failure process of Alq3-based light-emitting devices. Journal of Applied Physics, 2011, 109, 093502.	1.1	3

#	Article	IF	Citations
1943	Luminescence Characteristics for Blends of Iridium Complexes with Liquid Crystalline Ligands. Kobunshi Ronbunshu, 2011, 68, 115-121.	0.2	0
1944	Hydrothermal in-situ growth of Tris(8-hydroxyquinolate) aluminum nanorods thin films. Thin Solid Films, 2011, 519, 7659-7663.	0.8	3
1945	Synthesis and electroluminescent properties of blue emitting materials based on arylamine-substituted diphenylvinylbiphenyl derivatives for organic light-emitting diodes. Thin Solid Films, 2011, 520, 95-100.	0.8	8
1946	Growth and characterization of tris(8-hydroxyquinoline)-aluminum molecular films. Thin Solid Films, 2011, 520, 1005-1009.	0.8	10
1947	A high performance of BPhen-based white organic light-emitting devices with a dual-emitting layer and its electroluminescent spectral property. Journal of Industrial and Engineering Chemistry, 2011, 17, 675-680.	2.9	9
1948	Theoretical investigation of the molecular structures and excitation spectra of triphenylamine and its derivatives. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 81, 653-660.	2.0	7
1949	Solution-processable 1,3,5-tri(9-anthracene)-benzene cored propeller-shaped materials with high Tg for blue organic light-emitting diodes. Organic Electronics, 2011, 12, 1716-1723.	1.4	17
1950	Highly efficient phosphorescent organic light-emitting diodes using a beryllium metalâ€“chelate complex as electron-transporting host material. Organic Electronics, 2011, 12, 1783-1787.	1.4	10
1951	White top-emitting organic light-emitting diodes employing a heterostructure of down-conversion layers. Organic Electronics, 2011, 12, 2126-2130.	1.4	27
1952	A Laboratory-Based Course in Display Technology. IEEE Transactions on Education, 2011, 54, 314-319.	2.0	10
1953	Anisotropic charge injection and transport in the cross stacking crystal of distyrylbenzene derivative and a possible new device structure. Chemical Physics Letters, 2011, 514, 174-180.	1.2	3
1954	On-demand photochemical stabilization of doping in light-emitting electrochemical cells. Electrochimica Acta, 2011, 56, 10473-10478.	2.6	20
1955	Synthesis, characterization and photophysics of fluorene-alt-oxadiazole copolymers containing pendent iridium (III) complex moiety. European Polymer Journal, 2011, 47, 1836-1841.	2.6	14
1956	NIR-emissive erbiumâ€“quinolinolate complexes. Coordination Chemistry Reviews, 2011, 255, 2514-2529.	9.5	107
1957	Light-emitting devices based on organometallic platinum complexes as emitters. Coordination Chemistry Reviews, 2011, 255, 2401-2425.	9.5	488
1958	Cis- and trans-isomerization-induced transition of charge transport property in PPV oligomers. Chemical Physics, 2011, 388, 69-77.	0.9	4
1959	Bipolar anthracene derivatives containing hole- and electron-transporting moieties for highly efficient blue electroluminescence devices. Journal of Materials Chemistry, 2011, 21, 2957.	6.7	185
1960	Organic light-emitting devices fabricated utilizing core/shell CdSe/ZnS quantum dots embedded in a polyvinylcarbazole. Journal of Materials Science, 2011, 46, 1239-1243.	1.7	24

#	Article	IF	Citations
1961	Structure and electronic properties of Alq3 derivatives with electron acceptor/donor groups at the C4 positions of the quinolate ligands: a theoretical study. Journal of Molecular Modeling, 2011, 17, 3039-3046.	0.8	6
1962	Effect of desiccant on the performance of green organic light-emitting device. Optical Review, 2011, 18, 34-38.	1.2	4
1963	Investigation of carrier injection mechanism in small molecular organic light emitting device with a mixed single organic layer. Applied Physics A: Materials Science and Processing, 2011, 102, 681-687.	1.1	3
1964	Structure and electronic properties of tris(4-hydroxy-1,5-naphthyridinato) aluminum (AlND3) and its methyl derivatives: a theoretical study. Theoretical Chemistry Accounts, 2011, 129, 131-139.	0.5	3
1965	Film thickness influence of dual iridium complex ultrathin layers on the performance of nondoped white organic light-emitting diodes. Displays, 2011, 32, 87-91.	2.0	21
1966	Light-emitting dyes derived from bifunctional chromophores of diarylamine and oxadiazole: Synthesis, crystal structure, photophysics and electroluminescence. Dyes and Pigments, 2011, 88, 333-343.	2.0	28
1967	Theoretical studies of molecular structure, electronic structure, spectroscopic properties and the ancillary ligand effect: A comparison of trisâ€"chelate ML3-type and ML2X-type species for gallium(III) complexes with N,O-donor phenolic ligand, 2-(2-hydroxyphenyl)benzothiazole. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 809-817.	2.0	3
1968	Efficient and stable non-doped deep-blue organic light emitting diode based on an anthracene derivative. Science China Chemistry, 2011, 54, 666-670.	4.2	8
1969	Examining micro-cavity parameters of top emission organic light-emitting diode with low-order resonant modes. Journal of Shanghai University, 2011, 15, 235-238.	0.1	1
1970	Thermally crosslinkable holeâ€transporting poly(fluoreneâ€coâ€triphenylamine) for multilayer polymer lightâ€emitting diodes. Journal of Polymer Science Part A, 2011, 49, 352-360.	2.5	19
1971	Characterization of Ir(ppy)3 and [Ir(ppy)2 bpy]+ by infrared, Raman spectra and surface-enhanced Raman scattering. Journal of Raman Spectroscopy, 2011, 42, 332-338.	1.2	24
1972	Synthesis and Raman spectroscopic investigation of a new selfâ€assembly monolayer material 4â€[Nâ€phenylâ€Nâ€(3â€methylphenyl)â€amino]â€benzoic acid for organic lightâ€emitting devices. Journal of Raman Spectroscopy, 2011, 42, 1682-1689.	1.2	3
1973	Investigating Morphology and Stability of Facâ€tris (2â€phenylpyridyl)iridium(III) Films for OLEDs. Advanced Functional Materials, 2011, 21, 2225-2231.	7.8	44
1974	Strategies to Design Bipolar Small Molecules for OLEDs: Donorâ€Acceptor Structure and Nonâ€Donorâ€Acceptor Structure. Advanced Materials, 2011, 23, 1137-1144.	11.1	399
1975	Highâ€Efficiency Solutionâ€Processed Small Molecule Electrophosphorescent Organic Lightâ€Emitting Diodes. Advanced Materials, 2011, 23, 3590-3596.	11.1	185
1976	Tunable Fieldâ€Effect Mobility Utilizing Mixed Crystals of Organic Molecules. Advanced Materials, 2011, 23, 3455-3459.	11.1	23
1977	Bipolar Host Materials: A Chemical Approach for Highly Efficient Electrophosphorescent Devices. Advanced Materials, 2011, 23, 3876-3895.	11.1	479
1978	Electronic Structure Manipulation of (Benzothiazole)zinc Complexes: Synthesis, Optical and Electrochemical Studies of 5â€Substituted Derivatives. European Journal of Organic Chemistry, 2011, 2011, 6226-6232.	1.2	12

#	Article	IF	Citations
1979	2-Diphenylaminofluoren-7-ylstyrene Derivatives with Various Aromatic End-Capping Groups for Highly Efficient Blue and White Organic Light-Emitting Diodes. European Journal of Organic Chemistry, 2011, 2011, n/a-n/a.	1.2	5
1980	Emission Color Tuning with Polymer Molecular Weight for Dyes of 4â€Dicyanomethyleneâ€2â€methylâ€6â€{4â€[(2â€hydroxyethyl)(methyl)amino]styryl}â€4Hâ€pyran. Chinese Journal of Chemistry, 2011, 29, 1951-1954.	1.2	2
1981	Threeâ€Pulse Photonâ€Echo Peak Shift Spectroscopy and Its Application for the Study of Solvation and Nanoscale Excitons. ChemPhysChem, 2011, 12, 88-100.	1.0	12
1982	Origin of the Red Sites and Energy Transfer Rates in Single MEHâ€PPV Chains at Low Temperature. ChemPhysChem, 2011, 12, 1499-1508.	1.0	39
1983	Red organic light-emitting devices based on a pentacene derivative. Current Applied Physics, 2011, 11, 844-848.	1.1	4
1984	Considerable improvement in the stability of solution processed small molecule OLED by annealing. Applied Surface Science, 2011, 257, 7394-7398.	3.1	35
1985	A novel red organic light-emitting diode with ultrathin DCJTB and Rubrene layers. Displays, 2011, 32, 92-95.	2.0	7
1986	Luminescent aggregates of a starburst silole-triphenylamine adduct for sensitive explosive detection. Dyes and Pigments, 2011, 91, 258-263.	2.0	34
1987	High-efficiency and high-quality white organic light-emitting diode employing fluorescent emitters. Organic Electronics, 2011, 12, 29-33.	1.4	41
1988	White organic light-emitting diodes based on a novel Zn complex with high CRI combining emission from excitons and interface-formed electroplex. Organic Electronics, 2011, 12, 136-142.	1.4	46
1989	Efficient green OLED devices with an emissive layer comprised of phosphor-doped carbazole/bis-oxadiazole side-chain polymer blends. Organic Electronics, 2011, 12, 492-496.	1.4	43
1990	Room temperature lifetime of triplet excitons in fluorescent host/guest systems. Organic Electronics, 2011, 12, 486-491.	1.4	36
1991	White organic light-emitting devices with ultra-high color stability over wide luminance range. Organic Electronics, 2011, 12, 547-555.	1.4	41
1992	Dopant effects in phosphorescent white organic light-emitting device with double-emitting layer. Organic Electronics, 2011, 12, 756-765.	1.4	34
1993	High-efficiency blue-green electrophosphorescent light-emitting devices using a bis-sulfone as host in the emitting layer. Organic Electronics, 2011, 12, 1314-1318.	1.4	28
1994	Efficient extraction of singletâ€“triplet excitons for high-efficient white organic light-emitting diode with a multilayer emission region. Organic Electronics, 2011, 12, 1-7.	1.4	28
1995	Emission properties of dopants rubrene and coumarin 6 in Alq3 films. Journal of Luminescence, 2011, 131, 1037-1041.	1.5	14
1996	Design, synthesis and characterization of a highly luminescent Eu-complex monomer featuring thenoyltrifluoroacetone and 5-acryloxyethoxymethyl-8-hydroxyquinoline. Journal of Luminescence, 2011, 131, 1566-1570.	1.5	23

#	Article	IF	Citations
1997	High efficiency blue phosphorescent organic light-emitting diodes without electron transport layer. Journal of Luminescence, 2011, 131, 1621-1624.	1.5	1
1998	Syntheses, spectral, electrochemical and thermal studies of mononuclear manganese(III) complexes with ligands derived from 1,2-propanediamine and 2-hydroxy-3 or 5-methoxybenzaldehyde: Self-assembled monolayer formation on nanostructure zinc oxide thin film. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 666-671.	2.0	17
1999	Synthesis and optoelectronic properties of thermally cross-linkable hole-transporting poly(fluorene-co-triphenylamine). Polymer, 2011, 52, 77-85.	1.8	11
2000	Synthesis and optoelectronic properties of thermally cross-linkable fluorene derivative containing hole-transporting triphenylamine terminals. Polymer, 2011, 52, 3311-3317.	1.8	6
2001	Sonochemical fabrication of 8-hydroxyquinoline aluminum (Alq3) nanoflowers with high electrogenerated chemiluminescence. Ultrasonics Sonochemistry, 2011, 18, 473-476.	3.8	20
2002	Serendipitous stereoselective synthesis of brand-new fluorescent dyes: (1Z)-3-(alkylimino)-1-[(chromone-3-yl)methylene]-1,3-dihydro-9H-furo[3,4-b]chromen-9-one-type fluorophores with blue fluorescence emission properties. Tetrahedron, 2011, 67, 1837-1843.	1.0	34
2003	Triplet to singlet transition induced low efficiency roll-off in green phosphorescent organic light-emitting diodes. Thin Solid Films, 2011, 519, 2540-2543.	0.8	6
2004	Efficient fluorescence from 9,10-bis(m-tolylphenylamino)anthracene doped into a blue matrix in Si-based top-emitting organic light-emitting diode. Thin Solid Films, 2011, 519, 6595-6597.	0.8	4
2005	High-Efficiency Electrophosphorescence Red Organic Light-Emitting Diodes Using a Thin 1,3-Bis[2-(2,2'-bipyridin-6-yl)-1,3,4-oxadiazol-5-yl]benzene Cleaving Layer in an Ir-Complex-Doped Emitter Layer. Japanese Journal of Applied Physics, 2011, 50, 04DK19.	0.8	0
2006	A New Yellow Emissive Fluorescent Material for Highly Efficient Organic Light-Emitting Diodes. Molecular Crystals and Liquid Crystals, 2011, 538, 75-83.	0.4	5
2007	Realization of high efficiency orange and white organic light emitting diodes by introducing an ultra-thin undoped orange emitting layer. Applied Physics Letters, 2011, 99, 163303.	1.5	51
2008	Synthesis and Luminescence Properties of a Lollipop-Shaped Molecule Combined with Rod and Disc-Like Mesogens. Molecular Crystals and Liquid Crystals, 2011, 551, 60-68.	0.4	8
2009	Diphenylaminoarene/Chromene-containing Red Fluorescent Emitters for Organic Light-Emitting Diodes. Molecular Crystals and Liquid Crystals, 2011, 550, 260-269.	0.4	3
2010	Structure and morphology of an organic/inorganic multilayer stack: An x-ray reflectivity study. Journal of Applied Physics, 2011, 110, .	1.1	6
2011	Power Efficiency Improvement of White Phosphorescent Organic Light-Emitting Diode with Thin Double-Emitting Layers and Hole-Trapping Mechanism. Japanese Journal of Applied Physics, 2011, 50, 04DK04.	0.8	4
2012	Enhanced efficiency in high-brightness fluorescent organic light emitting diodes through triplet management. Applied Physics Letters, 2011, 99, 223303.	1.5	33
2013	Efficient organic light-emitting devices with platinum-complex emissive layer. Applied Physics Letters, 2011, 98, .	1.5	30
2014	Emission Shift Upon Recombination Using Hole Blocking Layer (HBL). Ferroelectrics, 2011, 421, 16-22.	0.3	0

#	Article	IF	Citations
2015	Efficiency Improvement of Solution Processed Blue Phosphorescent Organic Light-Emitting Diodes Using an Alcohol Soluble Exciton Blocking Layer. Electrochemical and Solid-State Letters, 2011, 14, H33.	2.2	3
2016	White Organic Light Emitting Devices Based on the New Hole Injection Material MeO-TAD. Advanced Materials Research, 0, 239-242, 3048-3051.	0.3	0
2017	Cathode Formed by Thermal Evaporation of Ba:Al Alloy and Estimations of Barrier Height in an Organic LED. Chinese Physics Letters, 2011, 28, 067801.	1.3	1
2018	Theoretical Investigation on the Structure and Optical Properties of Alq3 and its Difluorinated Derivatives. Advanced Materials Research, 2011, 287-290, 1526-1531.	0.3	1
2019	Single-Carrier Devices for the Understanding of the Voltage Drift in Organic Light Emitting Diodes. Materials Research Society Symposia Proceedings, 2011, 1359, 49.	0.1	0
2020	Electromodulated doping of the hole transport layer in a small molecule organic light-emitting diode. Journal of Photonics for Energy, 2011, 1, 011020.	0.8	10
2021	Exciton formation in dye doped OLEDs using electrically detected magnetic resonance. , 2011, , .		0
2022	Self-Aligned Organic Light-Emitting Diodes with Color Changing by Ink-Jet Printing Dots. Japanese Journal of Applied Physics, 2011, 50, 01BC09.	0.8	3
2023	Enhancement of Electron Injection in Organic Light-Emitting Diodes with Photosensitive Charge Generation Layer. Japanese Journal of Applied Physics, 2011, 50, 01BC11.	0.8	1
2024	Device Architecture and Materials for Organic Light-Emitting Devices. , 2011, , .		21
2025	Theoretical Studies of DCM Derivatives with Dual Electron Donating Group. Molecular Crystals and Liquid Crystals, 2011, 538, 45-52.	0.4	5
2026	One-step Double-layer Thermal Evaporation Method for Organic Light Emitting Diodes. , 2011, , .		0
2027	How the surface energy of ultra-thin CuF2 film as anode buffer layer affect the organic light-emitting devices?. Applied Physics Letters, 2011, 98, 263301.	1.5	17
2028	The Performance of White Light OLED Phosphorescence Materials. Advanced Materials Research, 0, 512-515, 1807-1812.	0.3	0
2029	Synthesis and Physical Properties of Red Luminescent Glass Forming Pyranylidene and Isophorene Fragment Containing Derivatives. , 2012, , .		1
2030	Solution-Processed White Light-Emitting Diode Utilizing Hybrid Polymer and Redâ€“Greenâ€“Blue Quantum Dots. Japanese Journal of Applied Physics, 2012, 51, 09MH03.	0.8	1
2031	Red Fluorescent 4-(Dicyanomethylene)-2-(1-pentylbicyclo[2,2,2]oct-4-yl)-6-(1,1,2,2,7,7-hexamethyljulolidyl-9-enyl)-4H-pyran (DCHMJPB) for Organic Light-Emitting Diodes (OLEDs). Molecular Crystals and Liquid Crystals, 2012, 567, 207-213.	0.4	0
2032	The Investigation of Two Different Types of Multiple-Quantum-Well Structure on Fluorescent White Organic Light Emitting Devices. ECS Journal of Solid State Science and Technology, 2012, 1, R66-R71.	0.9	0

#	Article	IF	Citations
2033	Organic Electronics: Successes in Organic Light Emitting Diodes and Display Technology. Materials Science Forum, 2012, 736, 241-249.	0.3	1
2034	Co-Host Comprising Hole-Transporting and Blue-Emitting Components for Efficient Fluorescent White OLEDs. Journal of the Electrochemical Society, 2012, 159, J127-J131.	1.3	0
2035	Superstructures Based upon n- and p-Type Organic Semiconductors: Toward Light-Emitting Device Applications. Japanese Journal of Applied Physics, 2012, 51, 08HF06.	0.8	0
2036	Isotope effect in the spin response of aluminum tris(8-hydroxyquinoline) based devices. Physical Review B, 2012, 85, .	1.1	52
2037	Charge Balance Conductive Vinyl Polymers for Homojuncton Organic Light Emitting Diodes (OLEDs). , 2012, , .		0
2038	8-Hydroxy-5-(hydroxymethyl)quinolin-1-ium chloride. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o1979-o1980.	0.2	0
2039	2-Ethoxy-6-{(E)-[(4-methylphenyl)imino]methyl}phenol. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2011-o2011.	0.2	0
2040	F ₄ TCNQ-Induced Exciton Quenching Studied by Using in-situ Photoluminescence Measurements. Chinese Physics Letters, 2012, 29, 097802.	1.3	0
2041	Highly efficient blue fluorescent OLEDs with doped double emitting layers based on pâ€”n heterojunctions. Chinese Physics B, 2012, 21, 058503.	0.7	2
2042	Synthesis, solid-state fluorescence properties, and computational analysis of novel 2-aminobenzo[4,5]thieno[3,2-d]pyrimidine 5,5-dioxides. Beilstein Journal of Organic Chemistry, 2012, 8, 266-274.	1.3	17
2043	Advances in the development and growth of functional materials: Toward the paradigm of materials by design. MRS Bulletin, 2012, 37, 682-690.	1.7	7
2044	Highly emissive hand-shaped Ï€-conjugated alkynylpyrenes: Synthesis, structures, and photophysical properties. Organic and Biomolecular Chemistry, 2012, 10, 2255.	1.5	30
2045	The study of visual image improvement of an organic lightâ€emitting diode by dyeâ€polarizer composed of optical film. AICHE Journal, 2012, 58, 1755-1763.	1.8	1
2046	Theoretical Investigation on the Electron and Energy Transfer between Peripheral Carrier Transport Groups and Central Chromophores in Electroluminescent Materials. Chinese Journal of Chemistry, 2012, 30, 2367-2375.	2.6	2
2047	On the origin of exciton formation in dye doped Alq3 OLEDs. Applied Physics A: Materials Science and Processing, 2012, 108, 727-731.	1.1	5
2048	Electric Field-Tuned Polymer Amplified Spontaneous Emission. Journal of the Electrochemical Society, 2012, 159, P29-P34.	1.3	4
2049	Synthesis of Donor-Aromatic-Donor Type Ï€-conjugated Materials and their Application to Red Fluorescent Organic Light-Emitting Diodes. Molecular Crystals and Liquid Crystals, 2012, 563, 166-172.	0.4	0
2050	Highly luminescent Ï€-conjugated dithienometalloles: photophysical properties and their application in organic light-emitting diodes. Journal of Materials Chemistry, 2012, 22, 16810.	6.7	40

#	Article	IF	Citations
2051	The use of a polarity matching and high-energy exciton generating host in fabricating efficient purplish-blue OLEDs from a sky-blue emitter. Journal of Materials Chemistry, 2012, 22, 15500.	6.7	27
2052	High efficiency luminescent liquid crystal: aggregation-induced emission strategy and biaxially oriented mesomorphic structure. Journal of Materials Chemistry, 2012, 22, 3323.	6.7	112
2053	Bipolar cyano-substituted pyridine derivatives for applications in organic light-emitting devices. Journal of Materials Chemistry, 2012, 22, 8922.	6.7	24
2054	Improving the balance of carrier mobilities of hostâ€“guest solid-state light-emitting electrochemical cells. Physical Chemistry Chemical Physics, 2012, 14, 1262-1269.	1.3	46
2055	Syntheses, Structures, and Luminescent Properties of Dipyridylamine-Functionalized Anthracene and Its Complexes. Inorganic Chemistry, 2012, 51, 7039-7049.	1.9	22
2056	Benzene-cored fluorophors with TPE peripheries: facile synthesis, crystallization-induced blue-shifted emission, and efficient blue luminogens for non-doped OLEDs. Journal of Materials Chemistry, 2012, 22, 12001.	6.7	114
2057	Synthesis and Electroluminescent Properties of Red Fluorescent 2-(6,8-di-tert-butyl-2-(4-((3,5-di-tert-butylphenyl)(4-(trimethylsilyl)phenyl)amino)styryl)-4H-chromen-4-ylidene)malononitrile (DCCTBPA) for Organic Light-Emitting Diodes (OLEDs). Molecular Crystals and Liquid Crystals, 2012, 568, 8-14.	0.4	1
2058	Investigation of Time-Dependent UV-Ozone Treatment on an Ultra-Thin AgF Buffer Layer for Organic Light-Emitting Diodes. Journal of the Electrochemical Society, 2012, 159, H388-H392.	1.3	5
2059	Synthesis and characterization of excited state intramolecular proton transfer based 2-hydroxylaryl imidazole fluorescent materials. Synthetic Metals, 2012, 162, 58-63.	2.1	14
2060	The development of anthracene derivatives for organic light-emitting diodes. Journal of Materials Chemistry, 2012, 22, 10977.	6.7	254
2061	Localized Emitting State and Energy Transfer Properties of Quadrupolar Chromophores and (Multi)Branched Derivatives. Journal of Physical Chemistry A, 2012, 116, 8693-8705.	1.1	45
2062	Large organic single crystal sheets grown from the gasâ€“liquid and gasâ€“liquidâ€“solid interface. CrystEngComm, 2012, 14, 869-874.	1.3	10
2063	Red Fluorescent Organic Light-Emitting Diodes (OLEDs) using 4-(1,3-Indanedione-2-yl)-2-(adaman-1-yl)-6-(10-aza-2,3,4,5,6,7-hexahydronaphtio[1,8-gh]chromen-10(1H)-one-9-enyl)-4H-pyran. Molecular Crystals and Liquid Crystals, 2012, 568, 1-7.	0.4	1
2064	Synthesis of Diimidazolylstilbenes as nâ€Type Blue Fluorophores: Alternative Dopant Materials for Highly Efficient Electroluminescent Devices. Advanced Materials, 2012, 24, 5867-5871.	11.1	110
2065	Currentâ€Confinement Structure and Extremely High Current Density in Organic Lightâ€Emitting Transistors. Advanced Materials, 2012, 24, 6141-6146.	11.1	85
2066	P-121: Colorful Reflective Organic Light Emitting Device without Bias. Digest of Technical Papers SID International Symposium, 2012, 43, 1514-1515.	0.1	0
2067	Improved opticalâ€toâ€electrical conversion efficiency by doping silole derivative with low ionization potential. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2324-2329.	0.8	7
2068	Ab Initio Studies of Triplet-State Properties for Organic Semiconductor Molecules. Journal of Physical Chemistry C, 2012, 116, 15203-15217.	1.5	20

#	Article	IF	Citations
2069	Understanding Heterogeneous Nucleation in Binary, Solution-Processed, Organic Semiconductor Thin Films. Chemistry of Materials, 2012, 24, 2920-2928.	3.2	25
2070	Organic light-emitting diodes based on layered films of thiophene/phenylene co-oligomers. Journal of Non-Crystalline Solids, 2012, 358, 2525-2529.	1.5	16
2071	Efficient Solid Emitters with Aggregation-Induced Emission and Intramolecular Charge Transfer Characteristics: Molecular Design, Synthesis, Photophysical Behaviors, and OLED Application. Chemistry of Materials, 2012, 24, 1518-1528.	3.2	472
2073	Highly efficient blue organic light-emitting diodes using dual emissive layers with host-dopant system. , 2012, , .		0
2074	Wire-on-Wire Growth of Fluorescent Organic Heterojunctions. Journal of the American Chemical Society, 2012, 134, 2880-2883.	6.6	133
2075	Theoretical study on optoelectronic properties of fluorene derivatives with pyrene-functional groups: effect of the heteroatoms and pyreneâ€™ substituting position. Molecular Physics, 2012, 110, 163-172.	0.8	3
2076	A new model for optimization of organic light-emitting device by concurrent incorporation of electrical and optical simulations. Journal of Applied Physics, 2012, 112, .	1.1	4
2077	Influence of different hole transport layer on the performance of organic light-emitting devices. Proceedings of SPIE, 2012, , .	0.8	0
2078	Highly efficient deep-blue electroluminescence based on the triphenylamine-cored and peripheral blue emitters with segregative HOMOâ€“LUMO characteristics. Journal of Materials Chemistry, 2012, 22, 4401-4408.	6.7	137
2079	Twenty-Fold Enhancement of Molecular Fluorescence by Coupling to a J-Aggregate Critically Coupled Resonator. ACS Nano, 2012, 6, 467-471.	7.3	28
2080	Spin Doping of Individual Molecules by Using Single-Atom Manipulation. Nano Letters, 2012, 12, 3609-3612.	4.5	51
2081	Highly rigid and twisted anthracene derivatives: a strategy for deep blue OLED materials with theoretical limit efficiency. Journal of Materials Chemistry, 2012, 22, 2695-2700.	6.7	143
2082	High-Efficiency Blue Electroluminescence Based on Coumarin Derivative 3-(4-(anthracen-10-yl)phenyl)-benzo[5,6]coumarin. Journal of Fluorescence, 2012, 22, 1509-1512.	1.3	11
2083	Preparation of Two Layers Organic Thin Films on an ITO/PET Substrate using Alq₃/ coumarin6 and PEDOT/PSS by Spin Coat. Transactions of the Materials Research Society of Japan, 2012, 37, 263-266.	0.2	1
2084	Spectroscopic study of white organic light-emitting devices with various thicknesses of emissive layer. Journal of Applied Physics, 2012, 111, 014507.	1.1	9
2085	Insertion of parylene-N films in electron transport layer: An effective approach for efficiency improvement of organic light emitting diodes. Journal of Applied Physics, 2012, 112, 104505.	1.1	1
2086	Effect of Photonic Structures in Organic Light-Emitting Diodes â€“ Light Extraction and Polarization Characteristics. , 2012, , .		0
2087	Density functional theory studies on structures and absorption spectra of [Au(tpy)Cl]²⁺ and its derivatives: Role of basis set, functional, solvent effect, and spin orbit effect. International Journal of Quantum Chemistry, 2012, 112, 1642-1653.	1.0	3

#	Article	IF	Citations
2088	Theoretical investigations on electronic structures and photophysical properties of novel bridged triphenylamine derivatives. International Journal of Quantum Chemistry, 2012, 112, 1473-1490.	1.0	11
2089	Recent advances in solidâ€state organic lasers. Polymer International, 2012, 61, 390-406.	1.6	322
2090	Concentration quenching effect of organic lightâ€emitting devices using DCM1â€doped tetraphenylgermole. Journal of Physical Organic Chemistry, 2012, 25, 207-210.	0.9	13
2091	MolekÃ¼lleuchten in einer OLED. Physik in Unserer Zeit, 2012, 43, 114-114.	0.0	0
2092	Dicyanomethylene-4H-pyran chromophores for OLED emitters, logic gates and optical chemosensors. Chemical Communications, 2012, 48, 6073.	2.2	258
2093	Calculation of electron-hole recombination probability using explicitly correlated Hartree-Fock method. Journal of Chemical Physics, 2012, 136, 124105.	1.2	26
2094	Gold-Catalyzed Furan/Yne Cyclizations for the Regiodefined Assembly of Multisubstituted Protected 1-Naphthols. Journal of Organic Chemistry, 2012, 77, 1915-1921.	1.7	45
2095	Synthesis of Carbazoleâ€Type Dâ€Ïâ€A Fluorescent Dyes Possessing Solidâ€State Red Fluorescence Properties. European Journal of Organic Chemistry, 2012, 2012, 4853-4859.	1.2	16
2096	Blue Fluorescence and Bipolar Transport Materials Based on Anthracene and Their Application in OLEDs. Israel Journal of Chemistry, 2012, 52, 484-495.	1.0	34
2097	Blue-light-emitting multifunctional triphenylamine-centered starburst quinolines: synthesis, electrochemical and photophysical properties. Organic and Biomolecular Chemistry, 2012, 10, 4704.	1.5	18
2098	Fluorescence and amplified spontaneous emission of glass forming compounds containing styryl-4H-pyran-4-ylidene fragment. Journal of Luminescence, 2012, 132, 2421-2426.	1.5	21
2099	A Solution-Processed Trilayer Electrochemical Device: Localizing the Light Emission for Optimized Performance. Journal of the American Chemical Society, 2012, 134, 14050-14055.	6.6	27
2100	Improving the image of an organic lightâ€emitting diode using a dyeâ€polariser. Canadian Journal of Chemical Engineering, 2012, 90, 1246-1252.	0.9	0
2101	Electrical properties of dyeâ€doped colour tunable organic light emitting diode. Canadian Journal of Chemical Engineering, 2012, 90, 903-908.	0.9	1
2102	Efficient Excitation-Energy Transfer in Ion-Based Organic Nanoparticles with Versatile Tunability of the Fluorescence Colours. ChemPhysChem, 2012, 13, 2703-2710.	1.0	9
2103	Organic Solidâ€State Fluorescence: Strategies for Generating Switchable and Tunable Fluorescent Materials. ChemPlusChem, 2012, 77, 518-531.	1.3	219
2104	Effect of encapsulation technology on organic light emitting diode lifetime. Optical Review, 2012, 19, 82-85.	1.2	5
2105	Tailoring carrier injection efficiency to improve the carrier balance of solid-state light-emitting electrochemical cells. Physical Chemistry Chemical Physics, 2012, 14, 9774.	1.3	45

#	Article	IF	Citations
2106	Singlet exciton diffusion length in organic light-emitting diodes. Physical Review B, 2012, 85, .	1.1	48
2107	Electrospinning and optical characterization of organic rubrene nanofibers. Journal of Applied Physics, 2012, 111, .	1.1	14
2108	Photochemical Grafting and Patterning of Organic Monolayers on Indium Tin Oxide Substrates. Langmuir, 2012, 28, 5350-5359.	1.6	26
2109	Synthesis, Photo- and Electro-Luminescence of 3-Benzoxazol-2-yl-Coumarin Derivatives. Journal of Fluorescence, 2012, 22, 631-638.	1.3	13
2110	Synthesis of 6-(4-diethylamino)phenyl-2-oxo-2H-pyran-3-carbonitorile derivatives and their fluorescence in solid state and in solutions. Dyes and Pigments, 2012, 92, 1069-1074.	2.0	10
2111	t-Butyl group-substituted triphenylamine-containing orange-red fluorescent emitters for organic light-emitting diodes. Thin Solid Films, 2012, 520, 3946-3951.	0.8	6
2112	Thermal and optical properties of red luminescent glass forming symmetric and non symmetric styryl-4H-pyran-4-ylidene fragment containing derivatives. Optical Materials, 2012, 34, 1501-1506.	1.7	29
2113	Efficient non-doped blue light emitting diodes based on novel carbazole-substituted anthracene derivatives. Organic Electronics, 2012, 13, 43-52.	1.4	37
2114	Improving color stability of blue/orange complementary white OLEDs by using single-host double-emissive layer structure: Comprehensive experimental investigation into the device working mechanism. Organic Electronics, 2012, 13, 1340-1348.	1.4	75
2115	Photoluminescence and magnetic circular dichroism of IrQ(ppy)2-5Cl. Journal of Luminescence, 2012, 132, 998-1002.	1.5	6
2116	Theoretical study on the electronic structure and optical properties of carbazole-Ï€-dimesitylborane as bipolar fluorophores for nondoped blue OLEDs. Journal of Molecular Graphics and Modelling, 2012, 34, 46-56.	1.3	16
2117	White Organic Lightâ€Emitting Diodes Based on Quenchâ€Resistant Fluorescent Organophosphorus Dopants. Advanced Functional Materials, 2012, 22, 567-576.	7.8	66
2118	Spiroâ€Configured Bipolar Host Materials for Highly Efficient Electrophosphorescent Devices. Chemistry - an Asian Journal, 2012, 7, 133-142.	1.7	39
2119	Synthesis and fluorescence properties of 7-hydroxy-3-(2-pyridyl)coumarin derivatives. Research on Chemical Intermediates, 2012, 38, 215-222.	1.3	1
2120	Photoluminescence of Alq₃â€•and Tbâ€activated aluminiumâ€“tris(8â€hydroxyquinoline) complex for blue chipâ€excited OLEDs. Luminescence, 2013, 28, 63-68.	1.5	19
2121	Synthesis and photophysical properties of aluminium tris-(4-morpholine-8-hydroxyquinoline). Journal of Advanced Research, 2013, 4, 525-529.	4.4	18
2122	Synthesis, structural and spectral properties of diarylamino-functionalized pyrene derivatives via Buchwaldâ€“Hartwig amination reaction. Journal of Molecular Structure, 2013, 1035, 19-26.	1.8	22
2123	Organic Solid-State Lasers. Springer Series in Optical Sciences, 2013, , .	0.5	60

#	Article	IF	Citations
2124	Luminescent organoboron compounds derived from salicylidenebenzohydrazide: Synthesis, characterization, structure, and photophysical properties. Dyes and Pigments, 2013, 99, 1036-1043.	2.0	23
2125	Efficient light emitting devices based on phosphorescent partially doped emissive layers. Journal of Materials Chemistry C, 2013, 1, 4663.	2.7	4
2126	Synthesis and characterization of pure and Tb/Cu doped Alq3 nanostructures. Journal of Luminescence, 2013, 143, 640-644.	1.5	17
2127	Boron-Containing Polymers. , 2013, , 861-891.		19
2128	Realizing Molecular Pixel System for Full-Color Fluorescence Reproduction: RGB-Emitting Molecular Mixture Free from Energy Transfer Crosstalk. Journal of the American Chemical Society, 2013, 135, 11239-11246.	6.6	165
2129	Ultrathin Nondoped Emissive Layers for Efficient and Simple Monochrome and White Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2013, 5, 965-971.	4.0	120
2130	Energy Transfer Efficiency Control from the Blue Emitting Aromatics to the Yellow Fluorescent Intramolecular Charge Transfer Type Dye for Electroluminescence. Molecular Crystals and Liquid Crystals, 2013, 581, 59-69.	0.4	5
2131	Numerical Study on Recombination Efficiency at 4,4'-Bis(2,2'-diphenylvinyl)-1,1'-spirobiphenyl/Tris(8-quinolinolato)aluminium Interface in Organic Light Emitting Diodes. Japanese Journal of Applied Physics, 2013, 52, 10MA08.	0.8	0
2132	Non-aqueous synthesis of nano-sized aluminium(III) isopropoxide derivatives with 8-hydroxyquinoline and their solâ€“gel transformation to nano-sized Î´-alumina. Journal of Sol-Gel Science and Technology, 2013, 68, 245-253.	1.1	13
2133	Novel Thiopheneâ€“Phenyleneâ€“Thiophene Fused Bislactam-Based Donorâ€“Acceptor Type Conjugate Polymers: Synthesis by Direct Arylation and Properties. Macromolecules, 2013, 46, 9220-9230.	2.2	41
2134	Development of electroluminescence cell using a Eu0.5Y0.5(TTA)3Phen organic luminescent complex. Optik, 2013, 124, 3614-3617.	1.4	8
2135	New carbazole-substituted anthracene derivatives based non-doped blue light-emitting devices with high brightness and efficiency. Dyes and Pigments, 2013, 99, 577-587.	2.0	36
2136	Highly efficient deep-blue organic electroluminescent devices (CIEy â‰ˆ 0.08) doped with fluorinated 9,9â€²-bianthracene derivatives (fluorophores). Journal of Materials Chemistry C, 2013, 1, 8117.	2.7	55
2137	Radiative recombination of trapped excitons in Alq3films: Importance of intermolecular interactions. Physical Review B, 2013, 88, .	1.1	7
2138	Progress in Modification of Indium-Tin Oxide/Organic Interfaces for Organic Light-Emitting Diodes. Critical Reviews in Solid State and Materials Sciences, 2013, 38, 318-352.	6.8	44
2139	Full-colour luminescent compounds based on anthracene and 2,2â€²-dipyridylamine. Journal of Materials Chemistry C, 2013, 1, 7409.	2.7	25
2140	Expeditious synthetic approach and photophysical properties of fluorescent benzimidazo[1,2-d]dibenzo[b,f][1,4]diazepine derivatives. RSC Advances, 2013, 3, 1862-1870.	1.7	4
2141	Non-Doped Blue OLEDs Based on 9,9â€²-Dimethylfluorene Containing 10-Naphthylanthracene Derivatives. Molecular Crystals and Liquid Crystals, 2013, 584, 113-122.	0.4	9

#	Article	IF	Citations
2142	P.112: High Efficiency Blue Phosphorescence Organic Light Emitting Device with Novel CbzTAZ host. Digest of Technical Papers SID International Symposium, 2013, 44, 1407-1409.	0.1	1
2143	Evaluation of propylene-, meta-, and para-linked triazine and tert-butyltriphenylamine as bipolar hosts for phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2013, 1, 2224.	2.7	33
2144	Tandem Organic Light-Emitting Diode and Organic Photovoltaic Device Inside Polymer Dispersed Liquid Crystal Cell. Journal of Display Technology, 2013, 9, 787-793.	1.3	8
2145	White organic light-emitting diode fabricated with fluorescent-phosphorescent emission layers. , 2013, , .		0
2146	Small molecular weight materials for (opto)electronic applications: overview. , 2013, , 3-82.		6
2147	Emergence of colloidal quantum-dot light-emitting technologies. Nature Photonics, 2013, 7, 13-23.	15.6	2,155
2148	Synthesis, optical properties, and blue electroluminescence of fluorene derivatives containing multiple imidazoles bearing polyaromatic hydrocarbons. Tetrahedron, 2013, 69, 2594-2602.	1.0	32
2149	Solvothermal Syntheses, Crystal Structures, and Luminescent Properties of Two Transition Metal Complexes with 5â€Nitroâ€8â€hydroxyquinoline and Nâ€Containing Auxiliary Ligands. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 115-120.	0.6	2
2150	Electroluminescence at pure blue region from a new anthracene-contained polymer. Synthetic Metals, 2013, 175, 134-137.	2.1	2
2151	Study of shifting of recombination zone in multi-emissive layer organic light emitting devices and its effect on color stability. Journal of Luminescence, 2013, 136, 249-254.	1.5	14
2152	Hybrid crystals based on thiophene/phenylene co-oligomers. Displays, 2013, 34, 442-446.	2.0	4
2153	Nucleation and growth of thin films of rod-like conjugated molecules. Journal of Physics Condensed Matter, 2013, 25, 143202.	0.7	50
2154	Electrical and optical properties of in-doped ZnO thin films via ultrasonic spray pyrolysis. , 2013, , .		0
2155	Energy transfer and phosphorescence-quenching dynamics in a phosphorescent hostâ€“guest system. Chemical Physics Letters, 2013, 561-562, 52-56.	1.2	2
2156	New approach to synthesize 8-hydroxyquinoline-based complexes with Zn2+ and their luminescent properties. Optical Materials, 2013, 36, 232-237.	1.7	28
2157	Enhanced properties of organic electroluminescent devices with cesium chloride ultra-thin layer. Displays, 2013, 34, 69-74.	2.0	3
2158	Interfacial degradation in organic optoelectronics. RSC Advances, 2013, 3, 6188.	1.7	107
2159	Pyrene-cored blue-light emitting [4]helicenes: synthesis, crystal structures, and photophysical properties. Organic and Biomolecular Chemistry, 2013, 11, 2186.	1.5	46

#	Article	IF	Citations
2160	Syntheses, crystal structures, and properties of four transition metal complexes based on 5-nitro-8-hydroxyquinoline. Journal of Coordination Chemistry, 2013, 66, 18-27.	0.8	15
2161	Red emitting solid state fluorescent triphenylamine dyes: Synthesis, photo-physical property and DFT study. Dyes and Pigments, 2013, 97, 429-439.	2.0	64
2162	Ultraviolet-violet electroluminescence from highly fluorescent purines. Journal of Materials Chemistry C, 2013, 1, 2867.	2.7	56
2163	Highly efficient phosphorescent OLEDs with host-independent and concentration-insensitive properties based on a bipolar iridium complex. Journal of Materials Chemistry C, 2013, 1, 2920.	2.7	68
2164	Small-molecular blue phosphorescent dyes for organic light-emitting devices. New Journal of Chemistry, 2013, 37, 1665.	1.4	184
2166	Effect of doping different dyes in Alq3 on electroluminescence and morphology of layers using single furnace method. Journal of Luminescence, 2013, 140, 7-13.	1.5	15
2167	Photoluminescence and thermoanalytical studies of complexes based on 5-Cl-8-hydroxyquinoline and calix[4]arene ligands. Materials Science and Engineering C, 2013, 33, 2213-2220.	3.8	7
2169	A one-pot reaction to synthesize two types of fluorescent materials containing benzothiazolyl moiety. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 108, 274-279.	2.0	7
2170	Effects of Substitution with Donorâ€“Acceptor Groups on the Properties of Tetraphenylethene Trimer: Aggregation-Induced Emission, Solvatochromism, and Mechanochromism. Journal of Physical Chemistry C, 2013, 117, 7334-7347.	1.5	385
2171	Recent Advances in Organic Oneâ€Dimensional Composite Materials: Design, Construction, and Photonic Elements for Information Processing. Advanced Materials, 2013, 25, 3627-3638.	11.1	77
2172	Spinâ€“Orbit Coupling Analyses of the Geometrical Effects on Phosphorescence in Ir(ppy)3 and Its Derivatives. Journal of Physical Chemistry C, 2013, 117, 5314-5327.	1.5	21
2173	Highly Efficient Red-Emitting Hybrid Polymer Light-Emitting Diodes via FÃ¶rster Resonance Energy Transfer Based on Homogeneous Polymer Blends with the Same Polyfluorene Backbone. ACS Applied Materials & Interfaces, 2013, 5, 5690-5695.	4.0	35
2174	Highly Luminescent Material Based on Alq3:Ag Nanoparticles. Journal of Fluorescence, 2013, 23, 1031-1037.	1.3	22
2175	Oxadiazole- and triazole-based highly-efficient thermally activated delayed fluorescence emitters for organic light-emitting diodes. Journal of Materials Chemistry C, 2013, 1, 4599.	2.7	304
2176	How the Quantum Efficiency of a Highly Emissive Binuclear Copper Complex Is Enhanced by Changing the Processing Solvent. Langmuir, 2013, 29, 3034-3044.	1.6	54
2177	Fluorinated 9,9â€²-spirobifluorene derivatives as host materials for highly efficient blue organic light-emitting devices. Journal of Materials Chemistry C, 2013, 1, 2183.	2.7	51
2178	Pyrenoimidazoleâ€Based Deepâ€Blueâ€Emitting Materials: Optical, Electrochemical, and Electroluminescent Characteristics. Chemistry - an Asian Journal, 2013, 8, 2111-2124.	1.7	53
2179	Novel thieno-[3,4-b]-pyrazine derivatives for non-doped red organic light-emitting diodes. Dyes and Pigments, 2013, 96, 391-396.	2.0	18

#	Article	IF	Citations
2180	A new cadmium complex material for yellowish-green light electroluminescent devices. , 2013, , .		1
2181	Self-Assembly Solid-State Enhanced Red Emission of Quinolinemalononitrile: Optical Waveguides and Stimuli Response. ACS Applied Materials & Interfaces, 2013, 5, 192-198.	4.0	183
2182	Yellow Organic Light-Emitting Devices Based on Alq Doped DPIHQZn. Advanced Materials Research, 2013, 785-786, 563-566.	0.3	0
2183	Recovery of nanomolecular electronic states from tunneling spectroscopy: LDOS of low-dimensional phthalocyanine molecular structures on Cu(111). Nanotechnology, 2013, 24, 395704.	1.3	18
2184	Study on Microlens Photonic Crystal Fabricated on Organic Light-Emitting Diode Substrate. Applied Mechanics and Materials, 2013, 395-396, 125-130.	0.2	0
2185	Efficient Organe Organic Light-Emitting Devices Using N-arylbenzinmidzoles as Blocking Layer. Advanced Materials Research, 0, 734-737, 2273-2277.	0.3	0
2186	Disruptive characteristics and lifetime issues of OLEDs. , 2013, , 410-442.		3
2187	Chemical and photophysical properties of materials for OLEDs. , 2013, , 114-142.		5
2188	QLEDs for displays and solid-state lighting. MRS Bulletin, 2013, 38, 703-711.	1.7	184
2189	Enhancement of Electroluminescence Efficiency for Organic Light-Emitting Devices due to the Introduction of the Well as Excton Confine Structure. Advanced Materials Research, 0, 785-786, 718-723.	0.3	1
2190	Active matrix, organic light-emitting diodes (AMOLEDs) for displays. , 2013, , 445-458.		3
2191	Efficiency of a blue organic light-emitting diode enhanced by inserting charge control layers into the emission region. Chinese Physics B, 2013, 22, 047806.	0.7	1
2192	3,3'-(1,4-Phenylenebis(phenylazanediyl))bis(7-ethoxy-4-methyl-2H-chromen-2-one). MolBank, 2013, 2013, M799.	0.2	1
2193	Effects of emission layer doping on the spatial distribution of charge and host recombination rate density in organic light emitting devices: A numerical study. Journal of Applied Physics, 2013, 114, 244507.	1.1	0
2194	Transparent conducting thin films for OLEDs. , 2013, , 49-76.		3
2195	49.3: Highly Efficient OLED Devices with Device Architecture for Reducing Drive Voltage. Digest of Technical Papers SID International Symposium, 2013, 44, 685-688.	0.1	7
2196	Highly efficient blue fluorescent organic light-emitting diodes with a high emitter/host ratio. Applied Physics Letters, 2013, 103, 083301.	1.5	20
2197	Influence of exciton lifetime on charge carrier dynamics in an organic heterostructure. Applied Physics Letters, 2013, 102, 113304.	1.5	2

#	Article	IF	Citations
2198	Progress in Emission Efficiency of Organic Light-Emitting Diodes: Basic Understanding and Its Technical Application. Japanese Journal of Applied Physics, 2013, 52, 110001.	0.8	32
2199	Exciton and Polaron Quenching in Dopingâ€Free Phosphorescent Organic Lightâ€Emitting Diodes from a Pt(II)â€Based Fast Phosphor. Advanced Functional Materials, 2013, 23, 5420-5428.	7.8	80
2200	A Tunable Emission Prepared by Photo-Induced Color-Change Materials with Blue LEDs as Excitation Light Sources. ECS Journal of Solid State Science and Technology, 2013, 2, R16-R20.	0.9	1
2201	A Tunable Emission Prepared by Proton-Induced Fluorescent Color Change Materials for a Potential Application in PLEDs. ECS Journal of Solid State Science and Technology, 2013, 2, R142-R147.	0.9	2
2202	Improved efficiency of blue phosphorescence organic lightâ€emitting diodes with irregular stepwiseâ€doping emitting layers. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 489-493.	0.8	3
2203	Highly efficient blue organic light-emitting diodes using dual emissive layers with host-dopant system. Journal of Photonics for Energy, 2013, 3, 033598.	0.8	3
2204	Triscyclometalated Iridium(III) Fluoroâ€Substituted Carbene Complexes: Character of Emitting Triplet States and Excited State Dynamics. Journal of the Chinese Chemical Society, 2013, 60, 965-973.	0.8	3
2205	Synthesis of Highly Fluorescent Diquinaldinatoalumino Silole Derivatives. Chemistry - A European Journal, 2013, 19, 8742-8745.	1.7	14
2206	Photoluminescence characteristics of organic molecules in the accelerated aging organic light-emitting diodes. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2716-2719.	0.8	14
2209	Recent progress of high performance polymer OLED and OPV materials for organic printed electronics. Science and Technology of Advanced Materials, 2014, 15, 034203.	2.8	271
2210	Color tunability in multilayer OLED based on DCM doped in a PVK matrix. Journal of Physics: Conference Series, 2014, 558, 012028.	0.3	3
2211	Two Anthracene-Containing Materials for Blue Organic Light-Emitting Diodes. Molecular Crystals and Liquid Crystals, 2014, 601, 142-150.	0.4	3
2212	Theoretical study on charge injection and transport properties of six emitters with pushâ€“pull structure. Chemical Physics, 2014, 440, 47-52.	0.9	1
2213	Electric field-induced hole injection-enhanced photoluminescence in a N,N'-bis(3-methylphenyl)-N,N'-bis(phenyl)-benzidine-based emitter. Chinese Physics B, 2014, 23, 047202.	0.7	0
2214	Probing the exciton distribution in organic light-emitting diodes using long-range energy transfer. Canadian Journal of Physics, 2014, 92, 845-848.	0.4	3
2215	Top-Emission Organic Light Emitting Diode Fabrication Using High Dissipation Graphite Substrate. International Journal of Photoenergy, 2014, 2014, 1-6.	1.4	1
2216	Incorporation of Balls, Tubes, and Bowls in Nanotechnology. Topics in Current Chemistry, 2014, 348, 37-52.	4.0	5
2217	Light-modulating pressure sensor with integrated flexible organic light-emitting diode. Applied Optics, 2014, 53, 2766.	0.9	4

#	Article	IF	Citations
2218	Design of High-Image-Quality and Ultra-Efficient OLED Display with Micro-Lens Array Films. , 2014, , .		0
2219	A Nonâ€Doped Phosphorescent Organic Lightâ€Emitting Device with Above 31% External Quantum Efficiency. Advanced Materials, 2014, 26, 8107-8113.	11.1	146
2220	Very High Efficiency Orangeâ€Red Lightâ€Emitting Devices with Low Rollâ€Off at High Luminance Based on an Idealâ€“Guest System Consisting of Two Novel Phosphorescent Iridium Complexes with Bipolar Transport. Advanced Functional Materials, 2014, 24, 7420-7426.	7.8	100
2221	High color rendering index and chromaticâ€stable white organic lightâ€emitting diodes with singleâ€host double emissive layer structure. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 958-962.	0.8	2
2222	Efficient Light Harvesting and Energy Transfer in a Red Phosphorescent Iridium Dendrimer. Inorganic Chemistry, 2014, 53, 13136-13141.	1.9	24
2223	Recent Advances in Solidâ€State White Lightâ€Emitting Electrochemical Cells. Israel Journal of Chemistry, 2014, 54, 855-866.	1.0	61
2224	Synthesis and optoelectric properties of fluorene-alt-benzene organic phosphorescent polymers containing pendent cyclometalated iridium complex. Polymer Science - Series B, 2014, 56, 830-836.	0.3	0
2225	Improvement of device efficiency for blue organic light emitting diodes by controlling the Cs₂CO₃-doped electron transport layer. Journal of Photonics for Energy, 2014, 4, 043595.	0.8	3
2226	Amplified spontaneous emission of glass forming DCM derivatives in PMMA films. Proceedings of SPIE, 2014, , .	0.8	1
2227	Mobile display technologies: Past developments, present technologies, and future opportunities. Japanese Journal of Applied Physics, 2014, 53, 03CA01.	0.8	6
2228	Organic Light - Emitting Diodes and their Applications. Defect and Diffusion Forum, 2014, 357, 29-93.	0.4	7
2229	Color tunability in multilayer OLEDs based on DCM and DPVBi as emitting materials. Journal of Physics: Conference Series, 2014, 514, 012015.	0.3	1
2230	Synthesis of a Novel Donor Unit for Organic Light-Emitting Materials: 10-octyl-3,7-di(thiophen-2-Yl)-10H-Phenothiazine. Advanced Materials Research, 0, 989-994, 284-287.	0.3	1
2231	Design principles for highly efficient organic light-emitting diodes. Journal of Photonics for Energy, 2014, 4, 040993.	0.8	17
2232	Enhanced performance for organic light-emitting diodes by embedding an aerosol jet printed conductive grid. Journal Physics D: Applied Physics, 2014, 47, 115504.	1.3	13
2233	A significant improvement of luminance vs current density efficiency of a BioLED. Optical Materials, 2014, 36, 1027-1033.	1.7	26
2234	Tailoring the structures and compositions of one-dimensional organic nanomaterials towards chemical sensing applications. Chemical Science, 2014, 5, 52-57.	3.7	41
2235	Syntheses, structures and luminescent properties of the metal complexes based on Zn(II) or Cd(II) with 5-nitro-8-hydroxyquinoline. Inorganic Chemistry Communication, 2014, 44, 58-62.	1.8	39

#	Article	IF	Citations
2236	A novel blue-emitting indium(III) complex: Synthesis, crystal structure, and effect of solvents and temperature on the luminescent properties. Inorganic Chemistry Communication, 2014, 44, 101-106.	1.8	7
2237	Study of various evaporation rates of the mixture of Alq3: DCM in a single furnace crucible. Journal of Luminescence, 2014, 147, 9-14.	1.5	10
2238	Design and synthesis of novel anthracene derivatives as n-type emitters for electroluminescent devices: a combined experimental and DFT study. Photochemical and Photobiological Sciences, 2014, 13, 342-357.	1.6	18
2239	Construction of efficient blue AIE emitters with triphenylamine and TPE moieties for non-doped OLEDs. Journal of Materials Chemistry C, 2014, 2, 2028.	2.7	122
2240	Novel approaches for energy efficient solid state lighting by RGB organic light emitting diodes â€“ A review. Renewable and Sustainable Energy Reviews, 2014, 32, 448-467.	8.2	156
2241	Synthesis, characterization and electronic effects investigations ofÂnew 5,7-disubstituted tris(8-quinolinolate)Al(III) complexes. Dyes and Pigments, 2014, 103, 138-144.	2.0	15
2242	Diradicals acting through diamagnetic phenylene vinylene bridges: Raman spectroscopy as a probe to characterize spin delocalization. Journal of Chemical Physics, 2014, 140, 164903.	1.2	6
2243	Localized surface plasmon resonance effect in organic light-emitting devices with Ag islands. Japanese Journal of Applied Physics, 2014, 53, 041602.	0.8	6
2244	The effect of the supramolecular network of (Z)-3-(4-(diphenylamino)phenyl)-2-(pyridin-2-yl)-acrylonitrile on the fluorescence behavior of a single crystal: experimental and theoretical studies. CrystEngComm, 2014, 16, 8591-8604.	1.3	10
2245	Enhanced light extraction of organic light emitting diodes by embedding printed polymethyl methacrylate dot array. , 2014, , .		0
2246	Fluorinated 9,9â€²-bianthracene derivatives with twisted intramolecular charge-transfer excited states as blue host materials for high-performance fluorescent electroluminescence. Journal of Materials Chemistry C, 2014, 2, 9375-9384.	2.7	23
2247	Carrier transportation, photoluminescence and lasing characteristics of 1,4-bis[2-[4-[N,N-di(p-tolyl)amino]phenyl]vinyl]benzene: implications for diode-pumped organic solid-state lasers. Journal of Materials Chemistry C, 2014, 2, 8131-8136.	2.7	8
2248	Enhanced performance of polymer bulk heterojunction solar cells employing multifunctional iridium complexes. Journal of Materials Chemistry C, 2014, 2, 10195-10200.	2.7	18
2249	Influence of primary and auxiliary ligand on spectroscopic properties and luminescent efficiency of organoplatinum(<scp>ii</scp>) complexes bearing functionalized cyclometalated C^N^C ligands. Dalton Transactions, 2014, 43, 14029.	1.6	10
2250	Controlled Synthesis of Organic Nanophotonic Materials with Specific Structures and Compositions. Advanced Materials, 2014, 26, 6852-6870.	11.1	57
2251	Aggregation-induced emission, mechanochromism and blue electroluminescence of carbazole and triphenylamine-substituted ethenes. Journal of Materials Chemistry C, 2014, 2, 4320-4327.	2.7	102
2252	Stepwise radial complexation from the outer layer to the inner layer of a dendritic ligand: a phenylazomethine dendrimer with an inverted coordination sequence. Chemical Communications, 2014, 50, 12177-12180.	2.2	11
2253	Blending conjugated polymers without phase separation for fluorescent colour tuning of polymeric materials through FRET. Chemical Communications, 2014, 50, 11814-11817.	2.2	20

#	Article	IF	Citations
2254	Engineering fused coumarin dyes: a molecular level understanding of aggregation quenching and tuning electroluminescence via alkyl chain substitution. Journal of Materials Chemistry C, 2014, 2, 6637.	2.7	53
2255	Depth profiling organic light-emitting devices by gas-cluster ion beam sputtering and X-ray photoelectron spectroscopy. Organic Electronics, 2014, 15, 2988-2992.	1.4	10
2256	Enhanced carrier transport in tris(8-hydroxyquinolinate) aluminum by titanyl phthalocyanine doping. RSC Advances, 2014, 4, 51256-51261.	1.7	15
2257	Efficient delayed fluorescence via tripletâ€“triplet annihilation for deep-blue electroluminescence. Chemical Communications, 2014, 50, 6869-6871.	2.2	104
2258	Stimuli-Responsive Fluorescence of AIE Elastomer Based on PDMS and Tetraphenylethene. Macromolecules, 2014, 47, 6382-6388.	2.2	64
2259	Full color organic light emitting diodes with laser-patterned optical path-length compensation layer. Organic Electronics, 2014, 15, 2830-2836.	1.4	9
2260	Thermally activated delayed fluorescence from 3nÏ€* to 1nÏ€* up-conversion and its application to organic light-emitting diodes. Applied Physics Letters, 2014, 105, .	1.5	72
2261	Thermal buffer materials for enhancement of device performance of organic light emitting diodes fabricated by laser imaging process. Organic Electronics, 2014, 15, 2802-2809.	1.4	8
2262	1,2â€Dihydrophosphete: A Platform for the Molecular Engineering of Electroluminescent Phosphorus Materials for Lightâ€Emitting Devices. Chemistry - A European Journal, 2014, 20, 9784-9793.	1.7	20
2263	Enhanced luminescence properties of hybrid Alq 3 /ZnO (organic/inorganic) composite films. Journal of Luminescence, 2014, 156, 1-7.	1.5	18
2264	Temperature dependence of the exciton dynamics inDCM2:Alq3. Physical Review B, 2014, 90, .	1.1	6
2266	Non-doped, blue-emitting, color-stable, organic light-emitting diode based on 2,2â€²:6â€²,2â€³-ternaphthalene. Applied Physics A: Materials Science and Processing, 2014, 115, 731-735.	1.1	5
2267	Synthesis, photophysical and electroluminescent properties of green organic light emitting devices based on novel iridium complexes containing benzimidazole ligands. Journal of Organometallic Chemistry, 2014, 761, 74-83.	0.8	29
2268	Exciplex-triplet energy transfer: A new method to achieve extremely efficient organic light-emitting diode with external quantum efficiency over 30% and drive voltage below 3 V. Japanese Journal of Applied Physics, 2014, 53, 042102.	0.8	63
2269	Light Emitting Devices Based on CdSe Nanoparticles Capped With Mercaptoacetic Acid. IEEE Journal of Quantum Electronics, 2014, 50, 1-8.	1.0	21
2270	Synthesis and electroluminescent properties of anthracene derivatives containing electron-withdrawing oxide moieties. Materials Research Bulletin, 2014, 58, 149-152.	2.7	1
2271	Flexible top-emitting warm-white organic light-emitting diodes with highly luminous performances and extremely stable chromaticity. Organic Electronics, 2014, 15, 1465-1475.	1.4	17
2272	Structural investigation of a self-assembled monolayer material 5-[(3-methylphenyl) (phenyl) amino] isophthalic acid for organic light-emitting devices. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 133, 307-317.	2.0	3

#	Article	IF	Citations
2273	Zeroing in on ice. Nature Materials, 2014, 13, 670-671.	13.3	13
2274	Long-distance relationships. Nature Materials, 2014, 13, 669-670.	13.3	1
2275	Three-terminal light-emitting device with adjustable emission color. Organic Electronics, 2014, 15, 1396-1400.	1.4	12
2276	Effects of the Ï€-conjugation length of bipyridyl ligand on the photophysical properties of binuclear organotin(IV) complexes: Synthesis and characterization of dimethyltin(IV) complexes with bipyridyl. Inorganica Chimica Acta, 2014, 415, 52-60.	1.2	9
2277	Device design for optimal exciton harvesting. , 2014, , .		0
2279	Combined Electrical and Optical Analysis of the Efficiency Roll-Off in Phosphorescent Organic Light-Emitting Diodes. Physical Review Applied, 2015, 3, .	1.5	50
2280	Ambipolar light-emitting organic single-crystal transistors with a grating resonator. Scientific Reports, 2015, 5, 10221.	1.6	26
2281	Demonstration of thin film pair distribution functionÂanalysis (tfPDF) for the study of local structure in amorphous and crystalline thin films. IUCrJ, 2015, 2, 481-489.	1.0	50
2282	Influence of the atmosphere on organicâ€“organic interfacial layers and deterioration in organic lightâ€emitting diodes. Journal of the Society for Information Display, 2015, 23, 129-137.	0.8	2
2283	Managing Charge and Exciton Transporting Behavior in White Organic Lightâ€Emitting Devices for High Power Efficiency and Superior Color Stability. Advanced Electronic Materials, 2015, 1, 1400040.	2.6	6
2284	Large-Area Deposition Technology of High Purity Organic Thin Film by Gas Flow Deposition. Journal of the Vacuum Society of Japan, 2015, 58, 79-85.	0.3	0
2285	Controlling the Chromaticity of Smallâ€Molecule Lightâ€Emitting Electrochemical Cells Based on TIPSâ€Pentacene. Advanced Functional Materials, 2015, 25, 5066-5074.	7.8	68
2286	52.3: Exciton Management in Nonâ€doped Ultraâ€thin Emissive Layers Based Organic Lightâ€Emitting Diodes. Digest of Technical Papers SID International Symposium, 2015, 46, 786-789.	0.1	1
2287	22.3: CbzTAZ Hosts in Blue Organic Light Emitting Devices Perform a High Current Efficiency more than 50 cd/A. Digest of Technical Papers SID International Symposium, 2015, 46, 320-322.	0.1	2
2290	New efficient fused-ring spiro[benzoanthracene-fluorene] dopant materials for blue fluorescent organic light-emitting diodes. New Journal of Chemistry, 2015, 39, 3813-3820.	1.4	16
2292	Organic Optoelectronic Materials. Lecture Notes in Quantum Chemistry II, 2015, , .	0.3	33
2293	Theoretical and Experimental Studies on Microcavity Organic Light-Emitting Diodes with Different Emitters. Key Engineering Materials, 0, 645-646, 1087-1092.	0.4	2
2294	Design, Fabrication, and Optoelectronic Performance of Organic Building Blocks for Integrated Nanophotonic Devices. Nano-optics and Nanophotonics, 2015, , 181-205.	0.2	0

#	Article	IF	Citations
2295	Controlled emission colors and singletâ€“triplet energy gaps of dihydrophenazine-based thermally activated delayed fluorescence emitters. Journal of Materials Chemistry C, 2015, 3, 2175-2181.	2.7	147
2296	Electron affinities of organic materials used for organic light-emitting diodes: A low-energy inverse photoemission study. Organic Electronics, 2015, 20, 24-30.	1.4	86
2297	Approaches for fabricating high efficiency organic light emitting diodes. Journal of Materials Chemistry C, 2015, 3, 2974-3002.	2.7	524
2298	Control of Molecular Dye Orientation in Organic Luminescent Films by the Glass Transition Temperature of the Host Material. Chemistry of Materials, 2015, 27, 2759-2762.	3.2	83
2299	From iridium and platinum to copper and carbon: new avenues for more sustainability in organic light-emitting diodes. Green Chemistry, 2015, 17, 1988-2011.	4.6	168
2300	Organic light-emitting diodes based on 9-(2-naphthyl)anthracene derivatives with a triphenylsilane unit as the deep-blue emitting layer. Thin Solid Films, 2015, 577, 42-48.	0.8	8
2301	Solid state solvation effect and reduced amplified spontaneous emission threshold value of glass forming DCM derivative in PMMA films. Journal of Luminescence, 2015, 158, 441-446.	1.5	15
2303	Water/alcohol soluble conjugated polymers for the interface engineering of highly efficient polymer light-emitting diodes and polymer solar cells. Chemical Communications, 2015, 51, 5572-5585.	2.2	156
2305	Effects of ITO Electrode Modification Using CsF Solution on Performance of Organic Light-Emitting Diodes. ECS Journal of Solid State Science and Technology, 2015, 4, R54-R59.	0.9	9
2306	Carbazole Dendrimers as Solutionâ€Processable Thermally Activated Delayedâ€Fluorescence Materials. Angewandte Chemie - International Edition, 2015, 54, 5677-5682.	7.2	281
2307	Synthesis and electroluminescent properties of 9,10-diphenylanthracene containing 9H-carbazole derivatives for blue organic light-emitting diodes. Synthetic Metals, 2015, 203, 174-179.	2.1	23
2308	Influence of electron transport layer thickness on optical properties of organic light-emitting diodes. Journal of Applied Physics, 2015, 117, 214505.	1.1	10
2309	MoO₃/Ag/MoO₃anode for organic light-emitting diodes and its carrier injection property. Japanese Journal of Applied Physics, 2015, 54, 054101.	0.8	22
2310	Organic Semiconductor Electroluminescent Materials. Lecture Notes in Quantum Chemistry II, 2015, , 241-302.	0.3	4
2311	High performance yellow organic electroluminescent devices by doping iridium(III) complex into host materials with stepwise energy levels. Journal of Luminescence, 2015, 166, 259-263.	1.5	11
2312	Fluorinated anthracene derivatives as deep-blue emitters and host materials for highly efficient organic light-emitting devices. RSC Advances, 2015, 5, 59027-59036.	1.7	21
2313	Balanced white organic light-emitting diode with non-doped ultra-thin emissive layers based on exciton management. Organic Electronics, 2015, 25, 232-236.	1.4	21
2314	Heavily Doped, Charge-Balanced Fluorescent Organic Light-Emitting Diodes from Direct Charge Trapping of Dopants in Emission Layer. ACS Applied Materials & Interfaces, 2015, 7, 16750-16759.	4.0	21

#	Article	IF	Citations
2315	Bilayer-structure white organic light-emitting diode based on [Alq3:rubrene] and the electron transporting characteristics investigation using impedance spectroscopy. Optics and Laser Technology, 2015, 68, 202-205.	2.2	13
2316	Highly efficient red OLEDs using DCJTB as the dopant and delayed fluorescent exciplex as the host. Scientific Reports, 2015, 5, 10697.	1.6	87
2317	AEE-active cyclic tetraphenylsilole derivatives with â^¼100% solid-state fluorescence quantum efficiency. Dalton Transactions, 2015, 44, 12970-12975.	1.6	16
2318	Packing directed beneficial role of 3-D rigid alicyclic arms on the templated molecular aggregation problem. RSC Advances, 2015, 5, 61249-61257.	1.7	3
2319	A colorimetric and fluorescent chemodosimeter responding to Cu2+ with high selectivity and sensitivity. Research on Chemical Intermediates, 2015, 41, 5915-5927.	1.3	15
2320	Novel 1,8-naphthalimide derivatives for standard-red organic light-emitting device applications. Journal of Materials Chemistry C, 2015, 3, 5259-5267.	2.7	29
2321	Improvement of efficiency roll-off in blue phosphorescence OLED using double dopants emissive layer. Journal of Luminescence, 2015, 160, 346-350.	1.5	16
2322	Spinâ€“orbit coupling analyses of phosphorescent processes in Ir(Zppy)3 (Z = NH2, NO2 and CN). RSC Advances, 2015, 5, 35760-35772.	1.7	7
2323	Luminescent Diâ€•and Trinuclear Boron Complexes Based on Aromatic Iminopyrrolyl Spacer Ligands: Synthesis, Characterization, and Application in OLEDs. Chemistry - A European Journal, 2015, 21, 9133-9149.	1.7	47
2324	Highly Efficient Thermally Activated Delayed Fluorescence Emitters with a Small Singletâ€“Triplet Energy Gap and Large Oscillator Strength. Chemistry Letters, 2015, 44, 360-362.	0.7	57
2325	Improvement of Charge Transfer Between Electrode and Semiconductor by Thin Metal Oxide Insertion. Topics in Applied Physics, 2015, , 67-99.	0.4	0
2326	Synthesis and spectroscopic study of highly fluorescent Î²-enaminone based boron complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 146, 80-87.	2.0	21
2328	ITO-free organic light-emitting diodes with MoO3/Al/MoO3 as semitransparent anode fabricated using thermal deposition method. Applied Surface Science, 2015, 347, 116-121.	3.1	15
2329	A novel tetraphenylsilaneâ€“phenanthroimidazole hybrid host material for highly efficient blue fluorescent, green and red phosphorescent OLEDs. Journal of Materials Chemistry C, 2015, 3, 4394-4401.	2.7	86
2330	Solid-State Solvation and Enhanced Exciton Diffusion in Doped Organic Thin Films under Mechanical Pressure. ACS Nano, 2015, 9, 4412-4418.	7.3	7
2331	Photoinduced Excited-State Energy-Transfer Dynamics of a Nitrogen-Cored Symmetric Dendrimer: From the Perspective of the Jahnâ€“Teller Effect. Journal of Physical Chemistry C, 2015, 119, 7578-7589.	1.5	15
2332	Silicon-based electron-transport materials with high thermal stability and triplet energy for efficient phosphorescent OLEDs. Organic Electronics, 2015, 27, 126-132.	1.4	11
2333	Highly Efficient Blue Electroluminescence Using Delayed-Fluorescence Emitters with Large Overlap Density between Luminescent and Ground States. Journal of Physical Chemistry C, 2015, 119, 26283-26289.	1.5	116

#	Article	IF	Citations
2334	Study of fluorescence quenching due to 2, 3, 5, 6-tetrafluoro-7, 7â€², 8, 8â€²-tetracyano quinodimethane and its solid state diffusion analysis using photoluminescence spectroscopy. Journal of Chemical Physics, 2015, 142, 054707.	1.2	17
2335	Efficient single light-emitting layer pure blue phosphorescent organic light-emitting devices with wide gap host and matched interlayer. Journal of Luminescence, 2015, 168, 38-42.	1.5	5
2336	Synthesis and characterization of color tunable, highly electroluminescent copolymers of polyfluorene by incorporating the N-phenyl-1,8-naphthalimide moiety into the main chain. Journal of Materials Chemistry C, 2015, 3, 9318-9326.	2.7	23
2337	Organic Light-Emitting Diodes (OLEDs): Materials, Photophysics, and Device Physics. , 2015, , 43-73.		5
2338	Synthesis and electroluminescence properties of tris-[5-choloro-8-hydroxyquinoline] aluminum Al(5-Clq)₃. Journal of Semiconductors, 2015, 36, 064001.	2.0	4
2339	Effect of aggregation behavior and phenolic hydroxyl group content on the performance of lignosulfonate doped PEDOT as a hole extraction layer in polymer solar cells. RSC Advances, 2015, 5, 90913-90921.	1.7	18
2340	An efficient hole transport material based on PEDOT dispersed with lignosulfonate: preparation, characterization and performance in polymer solar cells. Journal of Materials Chemistry A, 2015, 3, 21537-21544.	5.2	71
2341	Synthesis, structures, and electroluminescence properties of a 1D zinc(II) coordination polymer containing both dicyanamide and pyrazinamide ligands. Journal of Coordination Chemistry, 2015, 68, 1936-1946.	0.8	6
2342	Advances in Organic Crystal Chemistry. , 2015, , .		16
2343	Solvent-dependent intramolecular charge transfer delocalization/localization in multibranched push-pull chromophores. Journal of Chemical Physics, 2015, 143, 034309.	1.2	40
2344	Synthesis and electroluminescence properties of a new aluminium complex [5-choloro-8-hydroxyquinoline] bis [2,2'bipyridine] Aluminium Al(Bpy)2(5-Clq). Journal of Molecular Structure, 2015, 1100, 592-596.	1.8	6
2345	Solution processable 2-(trityloxy)ethyl and tert-butyl group containing amorphous molecular glasses of pyranylidene derivatives with light-emitting and amplified spontaneous emission properties. Optical Materials, 2015, 49, 129-137.	1.7	10
2346	Synthesis of Amorphous Monomeric Glass Mixtures for Organic Electronic Applications. Journal of Organic Chemistry, 2015, 80, 12740-12745.	1.7	10
2347	Rapid growth of thin and flexible organic semiconductor single crystal Anthracene by solution growth technique for device fabrication. Journal of Crystal Growth, 2015, 413, 67-70.	0.7	6
2348	Easily controlled dye doped phosphorescent OLEDs with evaporation rate in single furnace. Journal of Luminescence, 2015, 160, 210-215.	1.5	3
2349	Printable Displays and Light Sources for Sensor Applications: A Review. IEEE Sensors Journal, 2015, 15, 3186-3195.	2.4	22
2350	Synthesis, structure and magnetism of manganese and iron dipicolinates with N,Nâ€²-donor ligands. Inorganica Chimica Acta, 2015, 425, 134-144.	1.2	10
2351	Effect of thermal annealing on the structural and optical properties of trisâ€(8â€hydroxyquinoline)aluminum(III) (Alq₃) films. Luminescence, 2015, 30, 352-357.	1.5	9

#	Article	IF	Citations
2352	Efficient 8-oxyquinolinato emitters based on a 9,10-dihydro-9,10-diboraanthracene scaffold for applications in optoelectronic devices. Journal of Materials Chemistry C, 2015, 3, 1354-1364.	2.7	24
2354	Tuning the Luminescence of Phosphors: Beyond Conventional Chemical Method. Advanced Optical Materials, 2015, 3, 431-462.	3.6	129
2355	Synthesis and optical properties of phenanthromidazole derivatives for organic electroluminescent devices. New Journal of Chemistry, 2015, 39, 142-154.	1.4	9
2356	An Overview of Organic Light-Emitting Diodes and their Applications. , 2016, , .		0
2357	Fluorinated 9,9'-spirobifluorene derivative as host material for highly efficient blue fluorescent OLED. Optical Materials Express, 2016, 6, 2545.	1.6	7
2358	A Deepâ€Blue Electroluminescent Device Based on a Coumarin Derivative. ChemPlusChem, 2016, 81, 384-390.	1.3	23
2359	Green organic light-emitting devices with external quantum efficiency up to nearly 30% based on an iridium complex with a tetraphenylimidodiphosphinate ligand. RSC Advances, 2016, 6, 63200-63205.	1.7	20
2360	The effects of ultra-thin cerium fluoride film as the anode buffer layer on the electrical characteristics of organic light emitting diodes. Applied Surface Science, 2016, 385, 139-144.	3.1	3
2361	Spinâ€“orbit coupling analyses of phosphorescence: the effects of cyclometalated ligand replacement in fac-Ir(ppy)₃with various bpy ligands on blue phosphorescence. RSC Advances, 2016, 6, 65020-65030.	1.7	7
2362	Organic Electroluminescent Materials Realizing Efficient Conversion from Electricity to Light. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2016, 29, 305-310.	0.1	5
2363	Rate constant of exciton quenching of Ir(ppy)₃ with hole measured by time-resolved luminescence spectroscopy. Japanese Journal of Applied Physics, 2016, 55, 03DD13.	0.8	7
2366	Synthesis and electroluminescence characterization of a new aluminum complex, [8-hydroxyquinoline] bis [2, 2'bipyridine] aluminum Al(Bpy)2q. Journal of Semiconductors, 2016, 37, 013001.	2.0	4
2367	Effect of the phenoxy groups on PDIB and its derivatives. Scientific Reports, 2016, 6, 35555.	1.6	10
2368	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
2369	Metal-free phthalocyanine single crystal: Solvothermal synthesis and near-infrared electroluminescence. Chinese Chemical Letters, 2016, 27, 764-768.	4.8	5
2370	Instability origin and improvement scheme of facial Alq3 for blue OLED application. Chemical Research in Chinese Universities, 2016, 32, 423-427.	1.3	2
2371	Amplified spontaneous emission of pyranyliden derivatives in PVK matrix. Proceedings of SPIE, 2016, , .	0.8	0
2372	Dimesitylarylborane-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
2373	Effects of heteroatom substitution in spiro-bifluorene hole transport materials. Chemical Science, 2016, 7, 5007-5012.	3.7	86
2374	Copper(I) Complexes for Thermally Activated Delayed Fluorescence: From Photophysical to Device Properties. Topics in Current Chemistry, 2016, 374, 25.	3.0	133
2375	Computational studies of electronic structures and photophysical properties of luminescent iridium(III) complexes based on amidinate/bis(pyridylphenyl) ligands. Organic Electronics, 2016, 33, 281-289.	1.4	23
2376	Device performances of exciplex organic light-emitting diodes with different emitting layer thickness. , 2016, , .		0
2377	Metal halide perovskite light emitters. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11694-11702.	3.3	465
2378	Improved hole-injection and power efficiency of organic light-emitting diodes using an ultrathin cerium fluoride buffer layer. , 2016, , .		0
2379	Blue Thermally Activated Delayed Fluorescence Molecule Having Acridane and Cyanobenzene Units. Chemistry Letters, 2016, 45, 1463-1466.	0.7	14
2381	ORGANIC LIGHT EMITTING DEVICES. Materials and Energy, 2016, , 195-241.	2.5	1
2382	Influence of doped Alq3 layer on performance of MEH-PPV, MDMO-PPV, and P3HT polymer light-emitting diodes. Optical and Quantum Electronics, 2016, 48, 1.	1.5	4
2383	Studies of Substituents Impact on the Photophysical Properties of 8â€Hydroxyquinoline Derivatives. Heteroatom Chemistry, 2016, 27, 54-62.	0.4	3
2384	Synthesis and solid-state fluorescence of aryl substituted 2-halogenocinchomeronic dinitriles. RSC Advances, 2016, 6, 82227-82232.	1.7	28
2386	Quinacridone-based Ï€-conjugated electronic materials. Journal of Materials Chemistry C, 2016, 4, 9918-9936.	2.7	62
2387	AC conductivity and dielectric relaxation of bulk tris (8-hydroxyquinoline) aluminum organic semiconductor. Optical and Quantum Electronics, 2016, 48, 1.	1.5	5
2388	High performance red organic electroluminescent devices based on a trivalent iridium complex with stepwise energy levels. RSC Advances, 2016, 6, 71282-71286.	1.7	9
2389	Long-Range Energy Transfer and Singlet-Exciton Migration in Working Organic Light-Emitting Diodes. Physical Review Applied, 2016, 5, .	1.5	16
2390	Escalating opportunities in the field of lighting. Renewable and Sustainable Energy Reviews, 2016, 64, 727-748.	8.2	44
2391	Triptycences as thermally activated delayed fluorescence materials: Effect of Ï€-conjugation length and donors. Chemical Physics Letters, 2016, 666, 7-12.	1.2	9
2392	Performance Enhancement of Organic Lightâ€“Emitting Diodes Using Electronâ€“Injection Materials of Metal Carbonates. Journal of Electrical Engineering, 2016, 67, 222-226.	0.4	2

#	Article	IF	Citations
2393	Molecular Water Lilies: Orienting Single Molecules in a Polymer Film by Solvent Vapor Annealing. Journal of Physical Chemistry Letters, 2016, 7, 4451-4457.	2.1	17
2394	Quantitative Analysis of the Efficiency of OLEDs. ACS Applied Materials & Interfaces, 2016, 8, 33010-33018.	4.0	30
2395	Ultralow-voltage Auger-electron-stimulated organic light-emitting diodes. Journal of Photonics for Energy, 2016, 6, 036001.	0.8	10
2396	Blue AIEgens bearing triphenylethylene peripheral: adjustable intramolecular conjugation and good device performance. Science Bulletin, 2016, 61, 1746-1755.	4.3	23
2397	Synthesis and characterization of a new photoluminescent material (8-hydroxy quinoline) bis (2-2â€™bipyridine) lanthanum La(Bpy)2q. AIP Conference Proceedings, 2016, , .	0.3	0
2398	Fabrication of Color-Tunable Blue-Violet Organic Light Emitting Diodes for White Light Source. ECS Journal of Solid State Science and Technology, 2016, 5, R104-R109.	0.9	2
2399	Effects of Doping and Electrode Contacts on Performance of Organic Light-Emitting Transistors Based on Pentacene and Tris(8-hydroxyquinoline)aluminum. Journal of Physical Chemistry C, 2016, 120, 13716-13724.	1.5	11
2400	Synthesis of Soluble Host Materials for Highly Efficient Red Phosphorescent Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2016, 8, 18256-18265.	4.0	31
2401	1,3,5â€triazine crosslinked 2,5â€dibromohydroquinone as new holeâ€transport material in polymer lightâ€emitting diodes. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 429-435.	0.8	9
2402	Highly efficient inverted organic light-emitting diodes based on thermally activated delayed fluorescence. Science China Materials, 2016, 59, 421-426.	3.5	14
2403	Surface modification and characterization of 8-hydroxyquinoline aluminum/nano-TiO2. Journal of Luminescence, 2016, 171, 131-137.	1.5	9
2404	Physical properties of triplet excited states of [Ir(ppy)2bpy]+ in polar solvent and in nonaqueous confined reversed micelle. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 318, 33-41.	2.0	7
2405	Effects of thermal preparation on Copper Phthalocyanine organic light emitting diodes. Journal of Luminescence, 2016, 171, 149-153.	1.5	24
2406	Degradation of organic light emitting diode: Heat related issues and solutions. Synthetic Metals, 2016, 216, 40-50.	2.1	41
2407	Push-pull effect on the geometrical, optical and charge transfer properties of disubstituted derivatives of mer-tris(4-hydroxy-1,5-naphthyridinato) aluminum (mer-AlND3). Open Chemistry, 2016, 14, 20-32.	1.0	6
2408	The synthesis of novel AIE emitters with the triphenylethene-carbazole skeleton and para-/meta-substituted arylboron groups and their application in efficient non-doped OLEDs. Journal of Materials Chemistry C, 2016, 4, 1228-1237.	2.7	46
2409	Modeling of Filamentary Conduction in Organic Thin Film Memories and Comparison With Experimental Data. IEEE Nanotechnology Magazine, 2016, 15, 60-69.	1.1	4
2410	Fused Methoxynaphthyl Phenanthrimidazole Semiconductors as Functional Layer in High Efficient OLEDs. Journal of Fluorescence, 2016, 26, 307-316.	1.3	2

#	Article	IF	Citations
2411	Methyl blue dyed polyethylene oxide films: Optical and electrochemical characterization and application as a single layer organic device. Optical Materials, 2016, 51, 213-222.	1.7	9
2412	Long wavelength AIEgen of quinoline-malononitrile. Journal of Materials Chemistry C, 2016, 4, 2640-2646.	2.7	63
2413	Organic semiconductor photosensors. Journal of Alloys and Compounds, 2017, 702, 520-530.	2.8	39
2414	Synthesis and device properties of mCP analogues based on fused-ring carbazole moiety. Organic Electronics, 2017, 42, 66-74.	1.4	21
2416	Efficient Deepâ€Blue Electroluminescence Based on Phenanthroimidazoleâ€Dibenzothiophene Derivatives with Different Oxidation States of the Sulfur Atom. Chemistry - an Asian Journal, 2017, 12, 552-560.	1.7	28
2417	8â€Hydroxy Quinoline Derivatives as Auxiliary Ligands for Redâ€Emitting Cyclicâ€Platinum Phosphorescent Complexes: Synthesis and Properties. Helvetica Chimica Acta, 2017, 100, e1600308.	1.0	1
2418	Phosphorescent platinum(<scp>ii</scp>) complexes based on spiro linkage-containing ligands. Journal of Materials Chemistry C, 2017, 5, 1944-1951.	2.7	13
2419	Bipolar host materials with carbazole and dipyridylamine groups showing high triplet energy for blue phosphorescent organic light emitting diodes. Dyes and Pigments, 2017, 141, 217-224.	2.0	28
2420	Coumarin-Based Thermally Activated Delayed Fluorescence Emitters with High External Quantum Efficiency and Low Efficiency Roll-off in the Devices. ACS Applied Materials & Interfaces, 2017, 9, 8848-8854.	4.0	67
2421	Electrochromic polymers electrochemically polymerized from 2, 5â€“dithienylpyrrole (DTP) with different triarylamine units: Synthesis, characterization and optoelectrochemical properties. Electrochimica Acta, 2017, 228, 332-342.	2.6	49
2422	Emission from outside of the emission layer in state-of-the-art phosphorescent organic light-emitting diodes. Organic Electronics, 2017, 44, 115-119.	1.4	8
2423	Photoluminescence and electroluminescence of an iridium(<scp>iii</scp>) complex with 2â€²,6â€²-bis(trifluoromethyl)-2,4â€²-bipyridine and 2-(5-phenyl-1,3,4-thiadiazol-2-yl)phenol ligands. New Journal of Chemistry, 2017, 41, 3029-3035.	1.4	7
2424	Low driving voltage indiumâ€“tin oxide/Alâ€“Niâ€“Cuâ€“La anode electrodes for top-emission organic light-emitting diodes. Japanese Journal of Applied Physics, 2017, 56, 035802.	0.8	6
2425	Photostability of Coumarin Laser Dyes - a Mechanistic Study Using Global and Local Reactivity Descriptors. Journal of Fluorescence, 2017, 27, 1101-1108.	1.3	31
2426	Highly Efficient Long-Wavelength Thermally Activated Delayed Fluorescence OLEDs Based on Dicyanopyrazino Phenanthrene Derivatives. ACS Applied Materials & Interfaces, 2017, 9, 9892-9901.	4.0	168
2428	Numerical study of the light output intensity of the bilayer organic light-emitting diodes. , 2017, , .		0
2429	3,4,5-Triphenyl-1,2,4-triazole-based multifunctional n-type AIEgen. Science China Chemistry, 2017, 60, 635-641.	4.2	11
2430	Efficient green electroluminescence based on an iridium(iii) complex with different device structures. RSC Advances, 2017, 7, 2615-2620.	1.7	10

#	Article	IF	Citations
2431	Efficient Large-Area Transparent OLEDs Based on a Laminated Top Electrode with an Embedded Auxiliary Mesh. ACS Photonics, 2017, 4, 1114-1122.	3.2	41
2432	High efficiency green phosphorescent OLEDs using double-host materials. Dyes and Pigments, 2017, 143, 196-202.	2.0	15
2433	New class of easily-synthesisable and modifiable organic materials for applications in luminescent devices. Dyes and Pigments, 2017, 138, 267-277.	2.0	13
2434	Charge transport in structural-ordering doped organic crystals: The effect of dye-doping concentration and crystal thickness on the mobility. Synthetic Metals, 2017, 223, 12-18.	2.1	7
2435	Operational lifetimes of organic light-emitting diodes dominated by FÃ¶rster resonance energy transfer. Scientific Reports, 2017, 7, 1735.	1.6	59
2436	Field-Driven Ion Migration and Color Instability in Red-Emitting Mixed Halide Perovskite Nanocrystal Light-Emitting Diodes. Chemistry of Materials, 2017, 29, 5965-5973.	3.2	267
2437	Thermo-enhanced ring-opening polymerization of Îµ-caprolactone: the synthesis, characterization, and catalytic behavior of aluminum hydroquinolin-8-olates. Dalton Transactions, 2017, 46, 7833-7843.	1.6	15
2438	Optically transparent polyamides bearing phenoxyl, diphenylamine and fluorene units with high-contrast of electrochromic and electrofluorescent behaviors. Polymer, 2017, 116, 89-98.	1.8	29
2439	High performance pure blue organic fluorescent electroluminescent devices by utilizing a traditional electron transport material as the emitter. Journal of Materials Chemistry C, 2017, 5, 4219-4225.	2.7	11
2440	Efficient deep red electroluminescence of iridium(‹scp›iii‹/scp›) complexes with 2,3-diphenylquinoxaline derivatives and tetraphenylimidodiphosphinate. Journal of Materials Chemistry C, 2017, 5, 3714-3724.	2.7	37
2441	Degradation Mechanism and Lifetime Improvement Strategy for Blue Phosphorescent Organic Lightâ€Emitting Diodes. Advanced Optical Materials, 2017, 5, 1600901.	3.6	178
2442	Color optimization of red organic light emitting diodes (OLEDs) through dihydroxyphenyl-substituted zinc porphyrins emitters. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 341, 31-38.	2.0	16
2443	Band alignment in organic light emitting diodes - On the track of thickness dependent onset voltage shifts. Organic Electronics, 2017, 41, 79-90.	1.4	6
2444	Synthesis and characterization of Znq2 and Znq2:CTAB particles for optical applications. Bulletin of Materials Science, 2017, 40, 1049-1053.	0.8	12
2445	Investigation of novel carbazole-functionalized coumarin derivatives as organic luminescent materials. Dyes and Pigments, 2017, 147, 260-269.	2.0	74
2446	A new pyrene cored small organic molecule with a flexible alkyl spacer: a potential solution processable blue emitter with bright photoluminescence. New Journal of Chemistry, 2017, 41, 11383-11390.	1.4	9
2447	Design of a novel triplet exciton guiding mixed host for lifetime improvement of phosphorescent organic light-emitting diodes. Organic Electronics, 2017, 51, 1-5.	1.4	5
2448	Photon Harvesting in Conjugated Polymer-Based Functional Nanoparticles. Journal of Physical Chemistry Letters, 2017, 8, 4608-4620.	2.1	31

#	Article	IF	Citations
2449	Theoretical tuning of the singletâ€“triplet energy gap to achieve efficient long-wavelength thermally activated delayed fluorescence emitters: the impact of substituents. Physical Chemistry Chemical Physics, 2017, 19, 21639-21647.	1.3	14
2450	Protomer-Specific Photochemistry Investigated Using Ion Mobility Mass Spectrometry. Journal of Physical Chemistry A, 2017, 121, 6021-6027.	1.1	32
2451	Impact of defects on exciton diffusion in organic light-emitting diodes. Organic Electronics, 2017, 50, 48-54.	1.4	3
2452	Novel phosphine oxide-based electron-transporting materials for efficient phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 8579-8585.	2.7	7
2453	Synthesis of polyfluorene-polytriarylamine block copolymers with light-emitting benzothiadiazole moieties: effect of chromophore location on electroluminescent properties. Polymer Journal, 2017, 49, 721-728.	1.3	4
2454	Electron injection in inverted organic light-emitting diodes with poly(ethyleneimine) electron injection layers. Organic Electronics, 2017, 50, 290-295.	1.4	21
2455	Organic light emitting devices employing non-doped structure. Optoelectronics Letters, 2017, 13, 192-196.	0.4	0
2456	Improving operation lifetime of OLED by using thermally activated delayed fluorescence as host. Optoelectronics Letters, 2017, 13, 271-274.	0.4	4
2457	Water-soluble polythiophenes as efficient charge-transport layers for the improvement of photovoltaic performance in bulk heterojunction polymeric solar cells. European Polymer Journal, 2017, 97, 378-388.	2.6	15
2458	An ambipolar 3,3â€²-dimethyl-9,9â€²-bianthracene derivative as a blue host material for high-performance OLEDs. RSC Advances, 2017, 7, 49125-49132.	1.7	6
2459	Blue emitting materials based on diphenylamine-substituted diphenylvinylarenes for OLEDs. Molecular Crystals and Liquid Crystals, 2017, 651, 9-15.	0.4	1
2460	Synthesis of Conjugated Polyrotaxanes and Its Application to Molecular Wires. Advances in Atom and Single Molecule Machines, 2017, , 487-512.	0.0	1
2461	Polystyrenesulfonate Dispersed Dopamine with Unexpected Stable Semiquinone Radical and Electrochemical Behavior: A Potential Alternative to PEDOT:PSS. ACS Sustainable Chemistry and Engineering, 2017, 5, 460-468.	3.2	17
2462	Highly efficient green phosphorescent organic electroluminescent devices with a terbium complex as the sensitizer. Dyes and Pigments, 2017, 136, 361-367.	2.0	23
2463	Phosphorescent Polymer Light-Emitting Diodes. , 2017, , 489-553.		0
2464	Fabrication of an Organic Light-Emitting Diode from New Host Ï€ Electron Rich Zinc Complex. Journal of Electronic Materials, 2017, 46, 544-551.	1.0	8
2465	Strong luminescence behavior of mono- and dimeric imidazoquinazolines: Swift OLED degradation under electrical current. Journal of Luminescence, 2017, 181, 252-260.	1.5	5
2466	Material Challenges for Flexible OLED Displays. , 2017, , 679-699.		0

#	Article	IF	Citations
2467	Exciton dynamics of luminescent defects in aging organic light-emitting diodes. Journal of Applied Physics, 2017, 122, .	1.1	4
2469	Thermally Activated Delayed Fluorescence Emitter with a Symmetric Acceptor-Donor-Acceptor Structure. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2017, 30, 475-481.	0.1	9
2470	Nanoimprint Graphoepitaxy for Molecularly Oriented Nanofabrication. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2017, 30, 519-525.	0.1	1
2471	Preparation and performance optimization of TPBISi green-light organic luminescent material devices. BIO Web of Conferences, 2017, 8, 03013.	0.1	0
2472	Quantum Dot-Based Light Emitting Diodes (QDLEDs): New Progress. , 0, , .		8
2473	Organic Light Emitting Diodes-Recent Advancements. , 2017, , .		5
2474	Effect of Zinc Oxide Doping on Electroluminescence and Electrical Behavior of Metalloporphyrins-Doped Samarium Complex. Journal of Electronic Materials, 2018, 47, 2761-2767.	1.0	1
2475	Assistant dopant system in red phosphorescent OLEDs and its mechanism reveal. Journal of Luminescence, 2018, 197, 187-192.	1.5	13
2476	Mapping recombination profiles in single-, dual-, and mixed-host phosphorescent organic light emitting diodes. Organic Electronics, 2018, 57, 28-33.	1.4	2
2477	Solution-processed WO x hole injection layer for efficient fluorescent blue organic light-emitting diode. Current Applied Physics, 2018, 18, 583-589.	1.1	8
2478	Addressing the efficiency roll-off in a fluorescent OLED by facile electron transport layer doping and carrier confinement. Optical Materials, 2018, 79, 413-419.	1.7	9
2479	Chain length effects of p-oligophenyls with comparison of benzene by Raman scattering. AIP Advances, 2018, 8, 025004.	0.6	15
2480	Blue thermally activated delayed fluorescence materials based on bi/tri-carbazole derivatives. Organic Electronics, 2018, 58, 238-244.	1.4	4
2481	Probing Triplet Excited States and Managing Blue Light Emission of Neutral Tetradentate Platinum(II) Complexes. Journal of Physical Chemistry Letters, 2018, 9, 2285-2292.	2.1	31
2482	Photoisomerization of Styryl Derivatives of Pyridine N-Oxide. Russian Journal of Physical Chemistry A, 2018, 92, 804-808.	0.1	2
2483	Optical and electroluminescent performances of dihydrobenzodioxin phenanthroimidazoles based blue-emitting materials. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 357, 11-19.	2.0	4
2484	Efficient Nondoped Blue Fluorescent Organic Lightâ€Emitting Diodes (OLEDs) with a High External Quantum Efficiency of 9.4% @ 1000 cd m^{â^'2} Based on Phenanthroimidazoleâ^'Anthracene Derivative. Advanced Functional Materials, 2018, 28, 1705813.	7.8	193
2485	Excitonic Creation of Highly Luminescent Defects In Situ in Working Organic Lightâ€Emitting Diodes. Advanced Optical Materials, 2018, 6, 1700856.	3.6	6

#	Article	IF	Citations
2486	Blue organic light-emitting diodes based on spiro[fluorene-indeno]pyridine derivatives. Molecular Crystals and Liquid Crystals, 2018, 660, 24-32.	0.4	3
2487	Bipolar 9-linked carbazole-Ï€-dimesitylborane fluorophores for nondoped blue OLEDs and red phosphorescent OLEDs. Dyes and Pigments, 2018, 157, 101-108.	2.0	8
2488	Liquid crystal display and organic light-emitting diode display: present status and future perspectives. Light: Science and Applications, 2018, 7, 17168-17168.	7.7	667
2489	New perylene diimide derivatives: stable red emission, adjustable property from ACQ to AIE, and good device performance with an EQE value of 4.93%. Science Bulletin, 2018, 63, 108-116.	4.3	36
2490	Synthesis and properties of novel heat-resistant fluorescent conjugated polymers with bisindolylmaleimide. Chinese Chemical Letters, 2018, 29, 513-516.	4.8	2
2491	Assistant dopant system in solution processed phosphorescent OLEDs and its mechanism reveal. Optical Materials, 2018, 75, 513-520.	1.7	9
2492	Luminescent zero-dimensional organic metal halide hybrids with near-unity quantum efficiency. Chemical Science, 2018, 9, 586-593.	3.7	467
2493	Cyclopentadithiophene derivatives: a step towards an understanding of thiophene copolymer excited state deactivation pathways. Materials Chemistry Frontiers, 2018, 2, 149-156.	3.2	9
2494	Fabrication of Organic Light Emitting Diode using a Vacuum Free Lamination Method on Different Anode and Substrate Materials. , 2018, , .		0
2495	Nanostructure and device architecture engineering for high-performance quantum-dot light-emitting diodes. Journal of Materials Chemistry C, 2018, 6, 10958-10981.	2.7	32
2496	All solution-processed red organic light-emitting diode based on a new thermally cross-linked heteroleptic Ir(<scp>iii</scp>) complex. Journal of Materials Chemistry C, 2018, 6, 11714-11721.	2.7	29
2497	Characterization of coumarin-6 polycrystalline films growth from vacuum deposition at various substrate temperatures. Scientific Reports, 2018, 8, 16740.	1.6	5
2498	Kinetics of thermally activated triplet fusion as a function of polymer chain packing in boosting the efficiency of organic light emitting diodes. Npj Flexible Electronics, 2018, 2, .	5.1	17
2499	The effect of conformational isomerism on the optical properties of bis(8-oxyquinolato) diboron complexes with a 2,2â€²-biphenyl backbone. Dalton Transactions, 2018, 47, 15670-15684.	1.6	4
2500	Perspective of dye-encapsulated conjugated polymer nanoparticles for potential applications. Bulletin of Materials Science, 2018, 41, 1.	0.8	13
2501	Singlet Exciton Diffusion in Vacuumâ€Evaporated Films of Amineâ€Based Materials as Studied by Photocurrent and Photoluminescence Quenching Methods. Physica Status Solidi (B): Basic Research, 2018, 255, 1800043.	0.7	2
2502	Accurate Treatment of Charge-Transfer Excitations and Thermally Activated Delayed Fluorescence Using the Particleâ€“Particle Random Phase Approximation. Journal of Chemical Theory and Computation, 2018, 14, 3196-3204.	2.3	12
2503	Modeling of Actualâ€Size Organic Electronic Devices from Efficient Molecularâ€Scale Simulations. Advanced Functional Materials, 2018, 28, 1801460.	7.8	8

#	Article	IF	Citations
2504	Synthesis and Optical Properties of Donorâ€“Acceptor-Type 1,3,5,9-Tetraarylpyrenes: Controlling Intramolecular Charge-Transfer Pathways by the Change of Ï€-Conjugation Directions for Emission Color Modulations. ACS Omega, 2018, 3, 5866-5875.	1.6	20
2505	A dibenzo[a,c]phenazine-11,12-dicarbonitrile (DBPzDCN) acceptor based thermally activated delayed fluorescent compound for efficient near-infrared electroluminescent devices. Journal of Materials Chemistry C, 2018, 6, 6698-6704.	2.7	62
2506	Structural and electrochemical studies of TiO₂ complexes with (4,4â€²-((1E,1â€²E)-(2,5-bis(octyloxy)-1,4-phenylene)bis(ethene-2,1-diyl))bis-(E)-N-(2,5-bis(octyloxy)benzylic imine derivative bases towards organic devices. Dalton Transactions, 2018, 47, 7682-7693.	1.6	9
2507	Controlled Deposition Number of Organic Molecules Using Quartz Crystal Microbalance Evaluated by Scanning Tunneling Microscopy Single-Molecule-Counting. Analytical Chemistry, 2018, 90, 8954-8959.	3.2	9
2508	Metal Halide Perovskites: From Crystal Formations to Lightâ€Emittingâ€Diode Applications. Small Methods, 2018, 2, 1800093.	4.6	36
2509	Enhanced device performances of a new inverted top-emitting OLEDs with relatively thick Ag electrode. Optics Express, 2018, 26, 4979.	1.7	16
2510	Cyclic boron esterification: screening organic room temperature phosphorescent and mechanoluminescent materials. Journal of Materials Chemistry C, 2018, 6, 8733-8737.	2.7	20
2511	High-gain and wide-band optical amplifications induced by a coupled excited state of organic dye molecules co-doped in polymer waveguide. Optics Letters, 2018, 43, 1714.	1.7	6
2512	Efficient bluish green electroluminescence of iridium complexes with good electron mobility. New Journal of Chemistry, 2018, 42, 13351-13357.	1.4	3
2513	Synthesis and characterization of a new photoluminescent aluminium complex bis (8-hydroxyquinoline) (2,2â€™bipyridine) aluminium Al(Bpy)q2. AIP Conference Proceedings, 2018, , .	0.3	0
2514	Effect of molecular energy level of electron transport layer on recombination zone in OLED. , 2018, , .		0
2515	Cobalt(II) complexes with pyridine and 5-[(E)-2-(aryl)-1-diazenyl]-quinolin-8-olates: synthesis, electrochemistry and X-ray structural characterization. Journal of Coordination Chemistry, 2018, 71, 2856-2874.	0.8	4
2516	Acridine-Triphenylamine Based Hole-Transporting and Hole-Injecting Material for Highly Efficient Phosphorescent-Based Organic Light Emitting Diodes. Applied Sciences (Switzerland), 2018, 8, 1168.	1.3	10
2517	Highly efficient green organic light-emitting devices based on terbium complex by employing hole block material as host. Science China Technological Sciences, 2018, 61, 1334-1339.	2.0	13
2518	A new ITO-compatible side chain-functionalized multielectrochromic polymer for use in adaptive camouflage-like electrochromic devices. Reactive and Functional Polymers, 2018, 131, 174-180.	2.0	25
2519	A cross-linkable hole transport material having improved mobility through a semi-interpenetrating polymer network approach for solution-processed green PHOLEDs. Journal of Materials Chemistry C, 2018, 6, 7750-7758.	2.7	36
2520	Unveiling the composite structures of emissive consolidated pâ€“iâ€“n junction nanocells for white light emission. Nanoscale, 2018, 10, 13867-13874.	2.8	0
2521	Investigation of Luminance Degradation in Organic Light-Emitting Diodes by Impedance Spectroscopy. IEEE Photonics Technology Letters, 2018, 30, 1183-1185.	1.3	14

#	Article	IF	Citations
2522	Identification of the incommensurate structure transition in biphenyl by Raman scattering. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 206, 202-206.	2.0	10
2523	Initial Stage of para-Hexaphenyl Thin-Film Growth Controlled by the Step Structure of the Ion-Beam-Modified TiO2(110) Surface. Journal of Physical Chemistry C, 2019, 123, 20257-20269.	1.5	1
2524	Identification of ZnTiO3 nanostructures in oxidized TiN/ZnS thin films using X-ray absorption spectroscopy. Applied Surface Science, 2019, 494, 63-71.	3.1	2
2525	Spin-pair state-induced exceptional magnetic field responses from a thermally activated delayed fluorescence-assisted fluorescent material doping system. Physical Chemistry Chemical Physics, 2019, 21, 17673-17686.	1.3	6
2526	Efficient green organic electroluminescent devices based on thermally activated delayed fluorescence emitter by constructing supplementary light-emitting layer. Thin Solid Films, 2019, 685, 353-359.	0.8	3
2527	Influence of Linked Bridges on Thermally Activated Delayed Fluorescence Characteristic for DCBPy Emitter. Advanced Theory and Simulations, 2019, 2, 1900076.	1.3	5
2528	Several Derivatives of 6-(Tert-Butyl)-4H-Pyran-4-Ylidene Malononitrile with Different Amorphous Phase Promoting Substituents for Light-Amplification Systems. Key Engineering Materials, 2019, 800, 275-279.	0.4	0
2529	Efficient blue organic light-emitting diodes with low operation voltage by improving the injection and transport of holes. Optical Materials, 2019, 97, 109383.	1.7	4
2530	High Performance Green Fluorescent Organic Electroluminescent Devices with Double Light-Emitting Layers. , 2019, , .		0
2531	Green Synthesis of 8â€Hydroxyquinoline Barium as Visibleâ€Lightâ€Excited Luminescent Material Using Mechanochemical Activation Method. Global Challenges, 2019, 3, 1900052.	1.8	0
2532	Complexing Ability of Heterocyclic N-Oxides Toward Proton Donor Compounds. Russian Journal of General Chemistry, 2019, 89, 1409-1414.	0.3	0
2533	Isomeric thermally activated delayed fluorescence emitters based on indolo[2,3-b]acridine electron-donor: a compromising optimization for efficient orangeâ€“red organic light-emitting diodes. Journal of Materials Chemistry C, 2019, 7, 2898-2904.	2.7	28
2534	A cyclometalating organic ligand with an Iridium center toward dramatically improved photovoltaic performance in organic solar cells. Chemical Communications, 2019, 55, 2640-2643.	2.2	31
2535	Neutron visualization of inhomogeneous buried interfaces in thin films. Scientific Reports, 2019, 9, 571.	1.6	7
2536	Glass-forming non-symmetric bis-styryl-DWK-type dyes for infra-red radiation amplification systems. Optical Materials, 2019, 93, 85-92.	1.7	1
2537	Comprehensive study on photophysical properties of Eu(TTA)3bipy phosphor molecularly doped in PMMA and PS matrices. Results in Physics, 2019, 13, 102302.	2.0	4
2538	Multifunctional Organic Emitters for Highâ€Performance and Lowâ€Cost Organic Lightâ€Emitting Didoes. Chemical Record, 2019, 19, 1768-1778.	2.9	10
2539	Highly efficient and bright blue organic light-emitting devices based on solvent engineered, solution-processed thermally activated delayed fluorescent emission layer. Organic Electronics, 2019, 71, 1-6.	1.4	14

#	Article	IF	Citations
2540	Experimental and theoretical studies on the bifurcated hydrogen bonded NLO active material of pure and crystal violet dye-doped L-argininium bis dihydrogen phosphate. Optical Materials, 2019, 92, 111-124.	1.7	4
2541	Novel terpolymers containing carbazole, coumarin and Alq3 complexes. Pure and Applied Chemistry, 2019, 91, 497-508.	0.9	1
2542	Investigation of Charge Trapping Induced by DCMâ€“TPA Dopant in Organic Light Emitting Devices Composed of (NPB:Alq3):DCMâ€“TPA Mixed Host-Doped Emitting Layer. Transactions on Electrical and Electronic Materials, 2019, 20, 240-251.	1.0	4
2543	In-plane doping profile control of plate-like organic single crystals grown by a method combining electrospray and low vapor pressure liquid film. Japanese Journal of Applied Physics, 2019, 58, SBBG07.	0.8	0
2544	A competitive hopping model for carrier transport in disordered organic semiconductors. Physical Chemistry Chemical Physics, 2019, 21, 9905-9911.	1.3	7
2545	Inkjet printing high luminance phosphorescent OLED based on m-MTDATA:TPBi host. Modern Physics Letters B, 2019, 33, 1950149.	1.0	11
2546	Device stability in organic optoelectronics. , 2019, , 599-662.		3
2547	Chlorobenzene-treated carbon nanotubes in a dielectric layer and their impact on inorganic electroluminescence. Carbon, 2019, 146, 462-467.	5.4	8
2548	Highly efficient green single-emitting layer phosphorescent organic light-emitting diodes with an iridium(<scp>iii</scp>) complex as a hole-type sensitizer. Journal of Materials Chemistry C, 2019, 7, 2744-2750.	2.7	13
2549	Slow recombination of spontaneously dissociated organic fluorophore excitons. Nature Communications, 2019, 10, 5748.	5.8	38
2550	Asymmetrically twisted phenanthrimidazole derivatives as host materials for blue fluorescent, green and red phosphorescent OLEDs. Scientific Reports, 2019, 9, 17555.	1.6	16
2551	Electrical Conduction and Luminescence for Inverted-Type Organic Light-Emitting Diodes with Polyethyleneimine. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2019, 32, 571-576.	0.1	1
2552	Strategies to Improve Luminescence Efficiency of Metalâ€Halide Perovskites and Lightâ€Emitting Diodes. Advanced Materials, 2019, 31, e1804595.	11.1	102
2553	Excitonâ€Induced Degradation of Hole Transport Layers and Its Effect on the Efficiency and Stability of Phosphorescent Organic Lightâ€Emitting Devices. Advanced Optical Materials, 2019, 7, 1800923.	3.6	13
2554	Synthesis and Characteristics of Organic Redâ€Emissive Materials Based on Phenanthro[9,10â€d]imidazole. Chemistry - an Asian Journal, 2019, 14, 821-827.	1.7	7
2555	[8] Cyclo-1, 4-naphthylene: A possible new member in hole transport family. Chemical Physics Letters, 2019, 715, 153-159.	1.2	2
2556	Influence of the Length of the Donorâ€“Acceptor Bridge on Thermally Activated Delayed Fluorescence. Journal of Physical Chemistry Letters, 2019, 10, 302-308.	2.1	12
2557	Quinoline-derivative coordination compounds as potential applications to antibacterial and antineoplasic drugs. Materials Science and Engineering C, 2019, 98, 1043-1052.	3.8	20

#	Article	IF	Citations
2558	Tetraphenylcyclopentadiene-Based Hyperbranched Polymers: Convenient Syntheses from One Pot â€œA₄ + B₂â€•Polymerization and High External Quantum Yields up to 9.74% in OLED Devices. Macromolecules, 2019, 52, 896-903.	2.2	19
2559	Design and preparation of triphenylamine-based polymeric materials towards emergent optoelectronic applications. Progress in Polymer Science, 2019, 89, 250-287.	11.8	116
2560	Coulomb effect induced intrinsic degradation in OLED. Organic Electronics, 2019, 65, 370-374.	1.4	4
2561	Glass-forming derivatives of 2-cyano-2-(4H-pyran-4-ylidene) acetate for light-amplification systems. Dyes and Pigments, 2019, 163, 62-70.	2.0	5
2562	Highly Efficient Organic Blue Electroluminescent Materials and Devices with Mesoscopic Structures. Chemical Record, 2019, 19, 1562-1570.	2.9	7
2563	Precise Molecular Design for Highâ€Performance Luminogens with Aggregationâ€Induced Emission. Advanced Materials, 2020, 32, e1903530.	11.1	296
2564	Functionalized coumarin derivatives containing aromatic-imidazole unit as organic luminescent materials. Dyes and Pigments, 2020, 173, 107958.	2.0	26
2565	Effects of phenothiazine and phenoxazine on photophysical properties of coumarin derivatives. Chemical Papers, 2020, 74, 305-310.	1.0	2
2566	Highâ€Performance Quinolineâ€Malononitrile Core as a Building Block for the Diversityâ€Oriented Synthesis of AIEgens. Angewandte Chemie, 2020, 132, 9896-9909.	1.6	15
2567	Electronic spectroscopic characterization of the formation of iron(III) metal complexes: The 8-HydroxyQuinoline as ligand case study. Journal of Inorganic Biochemistry, 2020, 203, 110864.	1.5	11
2568	Dâ€“Aâ€“D-type bipolar host materials with room temperature phosphorescence for high-efficiency green phosphorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2020, 8, 1871-1878.	2.7	18
2569	Highâ€Performance Quinolineâ€Malononitrile Core as a Building Block for the Diversityâ€Oriented Synthesis of AIEgens. Angewandte Chemie - International Edition, 2020, 59, 9812-9825.	7.2	134
2570	Solventâ€dependent ultrafast optical response of conjugated pushâ€“pull chromophores. Luminescence, 2020, 35, 572-579.	1.5	1
2571	Highly-Efficient Solution Processed Yellow Organic Light Emitting Diode With Tungsten Trioxide Hole Injection/Transport Layer. IEEE Nanotechnology Magazine, 2020, 19, 61-66.	1.1	6
2572	Degradation of fluorescent organic light emitting diodes caused by quenching of singlet and triplet excitons. Journal of Materials Chemistry C, 2020, 8, 14873-14879.	2.7	1
2573	High-efficiency non-doped deep-blue fluorescent organic light-emitting diodes based on carbazole/phenanthroimidazole derivatives. Journal of Materials Chemistry C, 2020, 8, 10185-10190.	2.7	31
2574	A combination of an organic alloy and a heterojunction towards a rodâ€“tail helix architecture with dual-color-emitting properties. Nanoscale, 2020, 12, 16414-16419.	2.8	2
2575	Electroluminescence from Alq₃-Containing Electron-Beam Resists for Light-Emitting Organic Nanometer-Scale Devices. ACS Applied Nano Materials, 2020, 3, 11688-11694.	2.4	1

#	Article	IF	Citations
2576	Investigations of the Optical and Thermal Properties of the Pyrazoloquinoline Derivatives and Their Application for OLED Design. Polymers, 2020, 12, 2707.	2.0	4
2577	Atomic Precision Graphene Model Compound for Bright Electrochemiluminescence and Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2020, 12, 51736-51743.	4.0	17
2578	Advancing the a Posteriori Quest for Deep-Blue Phosphorescence: Quantifying Excitation-Induced Metal-to-Ligand Charge Transfer as a Guiding Indicator. Organometallics, 2020, 39, 3951-3960.	1.1	3
2579	Slow diffusion co-assembly as an efficient tool to tune colour emission in alkynyl benzoazoles. Dyes and Pigments, 2020, 176, 108246.	2.0	6
2580	Co-doping method used to improve the charge transport balance in solution processed OLEDs. Optoelectronics Letters, 2020, 16, 423-427.	0.4	1
2581	Computer aided design of stable and efficient OLEDs. Journal of Applied Physics, 2020, 128, .	1.1	14
2582	Enhanced Performance Organic Light Emitting Diode With CuI:CuPC Composite Hole Transport Layer. IEEE Nanotechnology Magazine, 2020, 19, 699-703.	1.1	9
2583	Three-Dimensional Profiling of OLED by Laser Desorption Ionization-Mass Spectrometry Imaging. Journal of the American Society for Mass Spectrometry, 2020, 31, 2443-2451.	1.2	4
2584	Interâ€Ligand Energy Transfer Process in an Irâ€Complex with Expanding Ï€â€Conjugated Ligand. ChemPhysChem, 2020, 21, 2320-2326.	1.0	3
2585	What Controls the Orientation of TADF Emitters?. Frontiers in Chemistry, 2020, 8, 750.	1.8	45
2586	Liquid/solution-based microfluidic quantum dots light-emitting diodes for high-colour-purity light emission. Scientific Reports, 2020, 10, 14528.	1.6	15
2587	Investigations on optical properties of Eu 0.5 Sm 0.5 (TTA) 3 tppo hybrid organic complexes molecularly doped in PMMA and PS matrices. Luminescence, 2020, 36, 1878-1884.	1.5	5
2588	Optical and electronic characteristics of ITO/NPB/Alq3:DCJTB/Alq3/Ag heterostructure based organic light emitting diode. Optik, 2020, 223, 165572.	1.4	20
2589	Fiber Electronics. , 2020, , .		4
2590	Emission redshift in DCM2-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Alq</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> caused by nonlinear Stark shifts and FÃ¶rster-mediated exciton diffusion. Physical Review B, 2020, 102, .	1.1	11
2591	Isomers and Rotamers of DCM in Methanol and in Gas Phase Probed by Ion Mobility Mass Spectrometry in Combination with High Performance Liquid Chromatography. Journal of Physical Chemistry B, 2020, 124, 4498-4511.	1.2	2
2592	Vibrational Sum Frequency Generation Study of the Interference Effect on a Thin Film of 4,4â€²-Bis(N-carbazolyl)-1,1â€²-biphenyl (CBP) and Its Interfacial Orientation. ACS Applied Materials & Interfaces, 2020, 12, 26515-26524.	4.0	11
2593	Current Driven Light Emission of Sodium Silica Gels. ECS Journal of Solid State Science and Technology, 2020, 9, 056002.	0.9	0

#	Article	IF	Citations
2594	High electroluminescence efficiency and long device lifetime of a fluorescent green-light emitter using aggregation-induced emission. Journal of Industrial and Engineering Chemistry, 2020, 87, 213-221.	2.9	3
2596	High performance thin-film transistors fabricated on a single crystal Si strip by micro-chevron laser beam scanning method. Japanese Journal of Applied Physics, 2020, 59, 071008.	0.8	6
2597	Transition metal-catalyzed Câ€“N cross-coupling reaction of bromine-substituted pyranilidene derivatives: synthesis, characterization, and optical properties study of pyran-based chromophores. Journal of the Iranian Chemical Society, 2020, 17, 2627-2636.	1.2	1
2598	Timeâ€Resolved Electroluminescence Study for the Effect of Charge Traps on the Luminescence Properties of Organic Lightâ€Emitting Diodes. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000081.	0.8	14
2599	Theoretical Study of a Class of Organic D-Ï€-A Dyes for Polymer Solar Cells: Influence of Various Ï€-Spacers. Crystals, 2020, 10, 163.	1.0	6
2600	A comparative computational analysis on the photophysical and charge transport properties of three 5,5-bis(2,2-diphenylvinyl)-biheterocyclic compounds. Chemical Physics Letters, 2020, 748, 137348.	1.2	1
2601	Thermally assisted delayed fluorescence (TADF): fluorescence delayed is fluorescence denied. Materials Horizons, 2020, 7, 1210-1217.	6.4	73
2602	Application of graphene vertical field effect to regulation of organic light-emitting transistors*. Chinese Physics B, 2020, 29, 057401.	0.7	0
2603	Color-Tunable Organic Light Emitting Diodes for Deep Blue Emission by Regulating the Optical Micro-Cavity. Molecules, 2020, 25, 2867.	1.7	8
2604	Light Outâ€Coupling Management in Perovskite LEDsâ€”What Can We Learn from the Past?. Advanced Functional Materials, 2020, 30, 2002570.	7.8	52
2605	Characteristics of electron injection at the oxide electrode/polyethylenimine ethoxylated/Alq₃ interface. Japanese Journal of Applied Physics, 2020, 59, SDDC03.	0.8	3
2606	Highly Efficient Microcavity Organic Light-Emitting Devices with Narrow-Band Pure UV Emission. ACS Applied Materials & Interfaces, 2020, 12, 10717-10726.	4.0	28
2607	Dinuclear metal complexes: multifunctional properties and applications. Chemical Society Reviews, 2020, 49, 765-838.	18.7	148
2608	Reversible Shift from Excitonic to Excimer Emission in Fluorescent Organic Light-Emitting Diodes: Dependence on Deposition Parameters and Electrical Bias. ACS Omega, 2020, 5, 1698-1707.	1.6	10
2609	Investigation of Thermally Activated Delayed Fluorescence from a Donorâ€“Acceptor Compound with Time-Resolved Fluorescence and Density Functional Theory Applying an Optimally Tuned Range-Separated Hybrid Functional. Journal of Physical Chemistry A, 2020, 124, 1535-1553.	1.1	15
2610	Design and synthesis of <scp>Dâ€Ïâ€A</scp> fluorescent dyes based on nicotinonitrile and azobenzene derivatives. Journal of Heterocyclic Chemistry, 2020, 57, 2738-2747.	1.4	7
2611	Synergetic interface and morphology modification to achieve highly efficient solution-processed sky-blue organic light-emitting diodes. Organic Electronics, 2020, 83, 105721.	1.4	5
2612	The improved performance and mechanism of solution-processed blue PhOLEDs based on double electron transport layers. RSC Advances, 2020, 10, 13215-13222.	1.7	19

#	Article	IF	Citations
2613	Frequency and voltage dependence of electrical conductivity, complex electric modulus, and dielectric properties of Al/Alq3/p-Si structure. Turkish Journal of Physics, 2020, 44, 85-94.	0.5	7
2614	Toward Achieving Single-Molecule White Electroluminescence from Dual Emission of Fluorescence and Phosphorescence. Chemistry of Materials, 2020, 32, 4038-4044.	3.2	57
2615	A cost-effective chitosanâ€“oxine based thin film for a volatile acid vapour sensing application. New Journal of Chemistry, 2020, 44, 8044-8054.	1.4	5
2616	Candle light-style OLEDs with benzochalcogenadiazoles cores. Dyes and Pigments, 2021, 185, 108917.	2.0	13
2617	Synthesis and characterization of SFX-based coumarin derivatives for OLEDs. Dyes and Pigments, 2021, 185, 108969.	2.0	22
2618	Triphenylethylene-based emitters exhibiting aggregation induced emission enhancement and balanced bipolar charge transport for blue non-doped organic light-emitting diodes. Synthetic Metals, 2021, 271, 116641.	2.1	3
2619	Blue-emitting butterfly-shaped donorâ€“acceptor-type 1,3,5,9-tetraarylpyrenes: easily available, low-cost conventional fluorophores for high-performance near ultraviolet electroluminescence with CIE_y < 0.05. Journal of Materials Chemistry C, 2021, 9, 260-269.	2.7	9
2620	The role of the bulky blocking unit of the fluorescent emitter in efficient green hyper-fluorescent organic light-emitting diodes. Journal of Information Display, 2021, 22, 49-54.	2.1	6
2621	Highly efficient red fluorescent OLEDs based on diphenylacridine-naphthothiadiazole derivatives with upper level intersystem crossing. Chemical Engineering Journal, 2021, 404, 127055.	6.6	28
2622	Electrical and dielectric properties of meridional and facial Alq3 nanorods powders. Journal of Materials Science: Materials in Electronics, 2021, 32, 2075-2087.	1.1	21
2623	Lowest unoccupied molecular orbital managing function of CN-substituted dibenzofuran in high triplet energy hosts for blue thermally-activated delayed fluorescence organic light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 15095-15101.	2.7	2
2624	Luminescent Materials for Organic Light-Emitting Diodes. , 2021, , 561-601.		1
2625	Spintronics Applications. , 2021, , 223-267.		1
2626	Solution-Processible OLED Material: Based on Conjugated Polymer Technology. Series in Display Science and Technology, 2021, , 83-106.	0.6	1
2627	Molecular Devices. , 2021, , 206-240.		2
2628	HAPPY Dyes as Light Amplification Media in Thin Films. Journal of Organic Chemistry, 2021, 86, 3213-3222.	1.7	2
2629	Polymer Materials: Wet Processing. , 2021, , 1-22.		0
2630	CN engineered electron transport type hosts for high efficiency and extended lifetime in blue thermally activated delayed fluorescent organic light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 1966-1971.	2.7	5

#	Article	IF	Citations
2631	A Brief History of OLEDsâ€"Emitter Development and Industry Milestones. Advanced Materials, 2021, 33, e2005630.	11.1	551
2632	Tunable fabrication of rice-like nanostructures aggregated into flowers of Alq3 with negligible photo-degradation for potential biomedical applications. Materials Chemistry and Physics, 2021, 259, 124080.	2.0	14
2633	Toward Electrically Pumped Organic Lasers: A Review and Outlook on Material Developments and Resonator Architectures. Advanced Photonics Research, 2021, 2, 2000155.	1.7	42
2634	Solid-State Fluorescence of Tryptanthrin Analogs. Transactions of the Materials Research Society of Japan, 2021, 46, 45-48.	0.2	2
2635	Polariton-assisted excitation energy channeling in organic heterojunctions. Nature Communications, 2021, 12, 1874.	5.8	42
2636	CdS/ZnS nanocomposite: synthesis and utilization in organic light-emitting diodes for a lower turn-on voltage. Journal of Nanoparticle Research, 2021, 23, 1.	0.8	6
2637	Effects of MEH-PPV Molecular Ordering in the Emitting Layer on the Luminescence Efficiency of Organic Light-Emitting Diodes. Molecules, 2021, 26, 2512.	1.7	3
2638	Tendency of crystal orientation rotation toward stable {001} <100> during lateral crystal growth of Si thin film sandwiched by SiO₂. Japanese Journal of Applied Physics, 2021, 60, SBBM06.	0.8	3
2639	Highly Robust, Flexible Topâ€Emission Organic Lightâ€Emitting Diode Exhibiting Stable Performance under Infolding of Curvature Radius of 0.32â€‰mm. Advanced Engineering Materials, 2021, 23, 2100045.	1.6	6
2640	Green electrogenerated chemiluminescence using a quinacridone derivative as a guest molecule. Electrochemistry Communications, 2021, 127, 107047.	2.3	9
2641	Broadly versus Barely Variable Complex Chromophores of Planar Nickel(II) from Îº3-N,Nâ€²,C and Îº3-N,Nâ€²,O Donor Platforms. Organometallics, 2021, 40, 1163-1177.	1.1	8
2642	â€œSimpleâ€•Aggregationâ€Induced Emission Luminogens for Nondoped Solutionâ€Processed Organic Lightâ€Emitting Diodes with Emission Close to Pure Red in the Standard Red, Green, and Blue Gamut. Advanced Photonics Research, 2021, 2, 2100004.	1.7	2
2643	From 50 years of OLED Development to the Future. Journal of the Institute of Electrical Engineers of Japan, 2021, 141, 266-268.	0.0	0
2644	20â€1: Invited Paper: Increasing OLED Stability: Plasmonic PHOLED. Digest of Technical Papers SID International Symposium, 2021, 52, 240-242.	0.1	0
2645	New hybrid nanocomposite based on (PVA-Ag-Coumarin) for high sensitive photodiode device. Materials Science in Semiconductor Processing, 2021, 126, 105653.	1.9	20
2646	Third-order nonlinear optical properties of the small-molecular organic semiconductor tris (8-Hydroxyquinoline) aluminum by CW Z-scan technique. Results in Physics, 2021, 24, 104162.	2.0	12
2647	Conducting Polymer-Based Emissive Layer on Efficiency of OLEDs. , 0, , .		1
2648	Band gap engineering in blended organic semiconductor films based on dielectric interactions. Nature Materials, 2021, 20, 1407-1413.	13.3	17

#	Article	IF	Citations
2649	Fluorescence umpolung enables light-up sensing of N-acetyltransferases and nerve agents. Nature Communications, 2021, 12, 3869.	5.8	51
2650	3,9-Disubstituted Bis[1]benzothieno[3,2-b;2â€²,3â€²-e][1,4]thiazines with Low Oxidation Potentials and Enhanced Emission. Journal of Organic Chemistry, 2021, 86, 8000-8014.	1.7	5
2651	Application of quinoline derivatives in third-generation photovoltaics. Journal of Materials Science: Materials in Electronics, 2021, 32, 18451-18465.	1.1	25
2652	Structural investigation of the catalytic activity of Fe(III) and Mn(III) Schiff base complexes. Polyhedron, 2021, 202, 115206.	1.0	5
2653	New tailored organic semiconductors thin films for optoelectronic applications. EPJ Applied Physics, 2021, 95, 10201.	0.3	16
2654	Multiple Electronic Transition-Induced Anomalous Broadband Absorption in a New Class of [Ni-Tpy₂]-Based Lead-Free Perovskite Single Crystals. Journal of Physical Chemistry C, 2021, 125, 15579-15589.	1.5	5
2655	A quinoxaline-based charge-transfer compound for efficient deep-red organic light emitting diodes. Dyes and Pigments, 2021, 191, 109305.	2.0	7
2656	Rational design of shortwave infrared (SWIR) fluorescence probe: Cooperation of ICT and ESIPT processes for sensing endogenous cysteine. Chinese Chemical Letters, 2022, 33, 762-766.	4.8	16
2657	Tunable Intramolecular Charge Transfer Effect on Diphenylpyrazineâ€Based Linear Derivatives and Their Expected Performance in Blue Emitters. Advanced Optical Materials, 2021, 9, 2101085.	3.6	12
2658	Highly efficient non-doped blue OLED based on perylene. Applied Physics Letters, 2021, 119, .	1.5	3
2659	Aggregationâ€induced emission: Red and nearâ€infrared organic lightâ€emitting diodes. SmartMat, 2021, 2, 326-346.	6.4	88
2660	Recent Advances in Flexible Perovskite Lightâ€Emitting Diodes. Advanced Materials Interfaces, 2021, 8, 2100441.	1.9	28
2661	Improving reverse intersystem crossing in exciplex-forming hosts by introducing heavy atom effect. Materials Today Energy, 2021, 21, 100705.	2.5	17
2662	Additive color mixing of semitransparent laminated tandem type polymer light-emitting diodes. Molecular Crystals and Liquid Crystals, 2021, 729, 78-84.	0.4	1
2663	Design of fused bithiophene systems containing silole and five-membered heterocycles for optoelectronic materials. Chemical Physics Letters, 2021, 784, 139093.	1.2	2
2664	Highly-efficient OLED with cesium fluoride electron injection layer. Solid-State Electronics, 2021, 183, 108031.	0.8	7
2665	Exploration of photophysical behavior of RE(TTA)3 dpphen molecular complexes doped in PMMA and PS matrices. Optik, 2021, 242, 167350.	1.4	1
2666	Threshold estimation of an organic laser diode using a rate-equation model validated experimentally with a microcavity OLED submitted to nanosecond electrical pulses. Organic Electronics, 2021, 97, 106190.	1.4	7

#	Article	IF	Citations
2667	Flexible Organic Field-Effect Transistors for Biomimetic Applications. Materials Horizons, 2022, , 315-333.	0.3	1
2668	Photophysical properties of 4-(5-methylthiophen-2-yl)pyridiniumâ€“cyclic enolate betaine dyes tuned by control of twisted intramolecular transfer. New Journal of Chemistry, 2021, 45, 9770-9779.	1.4	6
2669	Phosphorescent OLEDs for Power-Efficient Displays. Series in Display Science and Technology, 2021, , 1-38.	0.6	0
2670	Doped crystalline thin-film deep-blue organic light-emitting diodes. Journal of Materials Chemistry C, 2021, 9, 2236-2242.	2.7	13
2671	Metal Complexes in Mechanochemistry. , 2021, , 620-679.		17
2672	Enzyme-activatable fluorescent probes for Î²-galactosidase: from design to biological applications. Chemical Science, 2021, 12, 9885-9894.	3.7	60
2673	New luminescent tetracoordinate boron complexes: an in-depth experimental and theoretical characterisation and their application in OLEDs. Inorganic Chemistry Frontiers, 2021, 8, 3960-3983.	3.0	13
2674	Production of C, N Alternating 2D Materials Using Covalent Modification and Their Electroluminescence Performance. Small Science, 2021, 1, 2000042.	5.8	9
2675	Highly efficient and stable blue organic light-emitting diodes through the selective quenching of long-living triplet exciton of a thermally activated delayed fluorescence emitter. Journal of Materials Chemistry C, 2021, 9, 7458-7464.	2.7	10
2676	Synthesis and characterization of energy-efficient Mq2 (M = Zn, Cd, Ca, and Sr) organometallic complexes for OLED display applications. , 2021, , 505-521.		2
2678	Organic Microcavity Light-Emitting Diodes. , 2004, , 103-125.		2
2679	Light-Emitting Diodes Based on Poly(p-phenylenevinylene) and Its Derivatives. , 2004, , 127-153.		5
2680	Organic Solar Cells. , 2012, , 7553-7584.		2
2681	Combinatorial and Spread Techniques in the Fabrication of Organic-Based Photonic and Optoelectronic Devices. , 2003, , 377-393.		1
2682	Electroluminescence in Molecular Materials. , 1999, , 29-54.		8
2683	A Thermally Stable Organic Light-Emitting Diode. , 1995, , 523-528.		1
2684	Organic Light-Emitting Diodes (OLEDs). , 2016, , 1799-1820.		1
2685	Excitons and Energy Transfer in Doped Luminescent Molecular Organic Materials. Springer Series in Materials Science, 2001, , 391-441.	0.4	9

#	Article	IF	Citations
2686	Electronic Processes Associated with Electroluminescence in Conjugated Polymers. Springer Proceedings in Physics, 1996, , 231-244.	0.1	1
2687	Polymer LED Utilizing Poly(arylene vinylenes). Springer Proceedings in Physics, 1996, , 245-255.	0.1	2
2689	Substituted-8-Hydroxyquinolines Metal Complexes for Application in Organic Light Emitting Devices. , 2003, , 107-119.		4
2690	Electron Processes in Organic Electroluminescence. , 1997, , 167-206.		7
2691	Organic Multilayer-Dye Electroluminescent Diodes â€" is There any Difference with Polymer LED?. , 1993, , 123-134.		38
2693	Conjugated Polymers for Electroluminescence: Principles and Prospects. , 1996, , 293-312.		2
2694	Fabrication of highly efficient organic light-emitting diode based on dysprosium-incorporated tris-(8-hydroxyquinoline)aluminum. Journal of Materials Science: Materials in Electronics, 2020, 31, 22179-22189.	1.1	8
2695	In-Depth Analysis of Structures, Materials, Models, Parameters, and Applications of Organic Light-Emitting Diodes. Journal of Electronic Materials, 2020, 49, 4610-4636.	1.0	31
2696	Stimulated emission and optical properties of pyranyliden fragment containing compounds in PVK matrix. Optics and Laser Technology, 2017, 95, 74-80.	2.2	12
2698	Multifunctional indium complexes with fluorescent sensing and selective adsorption dye properties. New Journal of Chemistry, 2017, 41, 6883-6892.	1.4	8
2699	New anthracene derivatives containing coumarin moiety for organic light-emitting diodes. Molecular Crystals and Liquid Crystals, 2017, 654, 90-95.	0.4	4
2700	Ionoluminescence properties of polystyrene-hosted fluorophore films induced by helium ions of energy 50â€"350 keV. Physical Review Materials, 2017, 1, .	0.9	1
2701	(E)-2-{3-[4-(Diphenylamino)styryl]-5,5-dimethylcyclohex-2-enylidene}malononitrile. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1135-o1135.	0.2	1
2702	Improved fluorescence yields through selective photooxidation of conjugated polymer chromophores. Journal of Photonics for Energy, 2018, 8, 1.	0.8	3
2703	Glass-forming nonsymmetric DWK-dyes with 5,5,5-triphenylpentyl and piparazine moieties for light-amplification studies. Journal of Photonics for Energy, 2018, 8, 1.	0.8	3
2704	Dual Drive and Emission Panel. Japanese Journal of Applied Physics, 2005, 44, 3682-3685.	0.8	32
2705	Characterization of Metal Interfaces to Molecular Media from Analysis of Transient and Steady-State Electrical Measurements. , 2001, , .		1
2706	Charge Transport and Injection in Amorphous Organic Semiconductors. , 2009, , 61-109.		2

#	Article	IF	Citations
2707	The Role of Homolytic Reactions in the Intrinsic Degradation of OLEDs. , 2009, , 211-242.		3
2708	Material gain concentration quenching in organic dye-doped polymer thin films. Optical Materials Express, 2019, 9, 1208.	1.6	12
2709	Recent advancements and perspectives on light management and high performance in perovskite light-emitting diodes. Nanophotonics, 2021, 10, 2103-2143.	2.9	35
2710	Electroluminescent Properties of Organic Light-Emitting-Diode Doped with Squarylium Dye. IEEJ Transactions on Sensors and Micromachines, 1998, 118, 223-228.	0.0	2
2711	Growth and characterization of OLEDs with europium complex as emission layer. Brazilian Journal of Physics, 2002, 32, 535-539.	0.7	18
2713	Inverse Relationship of Reorganization Energy to The Number of ï€ Electrons from Perspective of Vibronic Coupling Density. Journal of Computer Chemistry Japan, 2013, 12, 215-221.	0.0	2
2714	Color Control of Organic Electroluminescent Devices with Mixed Signal Layer.. Terebijon Gakkaishi (Journal of the Institute of Television Engineers of Japan), 1995, 49, 692-694.	0.0	1
2715	Column Chromatography: A Facile and Inexpensive Procedure to Purify the Red Dopant DCJ Applied for OLEDs. Advances in Materials Physics and Chemistry, 2011, 01, 91-93.	0.3	1
2716	Electrical and Optical Properties of Phosphorescent Organic Light-Emitting Devices with a TAPC Host. Transactions on Electrical and Electronic Materials, 2011, 12, 84-87.	1.0	6
2717	Performance Enhancement of Organic Light-emitting Diodes with an Electron-transport Layer of Bathocuproine. Transactions on Electrical and Electronic Materials, 2016, 17, 37-40.	1.0	6
2718	Synthesis and Structural Characterization of Main Group 15 Organometallics R₃M and R(Ph)₂P(=N-Ar)(M = P, Sb, Bi; R = phenanthrenyl; Ar =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 342 Td (2,6-ⁱPr<s Society, 2005, 26, 1946-1952.	1.0	3
2719	Microcavity Effect of Top-emission Organic Light-emitting Diodes Using Aluminum Cathode and Anode. Bulletin of the Korean Chemical Society, 2005, 26, 1344-1346.	1.0	16
2720	Fluorescent Blue Materials for Efficient Organic Light-Emitting Diode with High Color Purity. Bulletin of the Korean Chemical Society, 2006, 27, 1549-1552.	1.0	3
2721	Synthesis, Photophysical and Electrochemical Properties of Novel Conjugated Donor-Acceptor Molecules Based on Phenothiazine and Benzimidazole. Bulletin of the Korean Chemical Society, 2007, 28, 1389-1395.	1.0	21
2722	Synthesis and Characterization of New Anthracene-Based Blue Host Material. Bulletin of the Korean Chemical Society, 2009, 30, 1611-1615.	1.0	8
2723	Highly Efficient Blue-Light-Emitting Diodes Based on Styrylamine Derivatives End-capped with a Diphenylvinyl Group. Bulletin of the Korean Chemical Society, 2010, 31, 389-396.	1.0	13
2724	Red Fluorescent Organic Light-Emitting Diodes Using Modified Pyran-containing DCJTB Derivatives. Bulletin of the Korean Chemical Society, 2010, 31, 2884-2888.	1.0	28
2725	Red Fluorescent 4-(Dicyanomethylene)-2-norbonenyl-6-(1,1,7,7-tetramethyljulolidyl-9-enyl)-4H-pyran (DCJNB) for Organic Light-Emitting Diodes (OLEDs). Bulletin of the Korean Chemical Society, 2011, 32, 1391-1394.	1.0	15

#	Article	IF	Citations
2726	Novel Electroluminescent Polymer Derived from Pyrene-Functionalized Polyaniline. Bulletin of the Korean Chemical Society, 2011, 32, 1495-1499.	1.0	4
2727	Synthesis and Characterization of 9,9'-Diethyl-2-diphenylaminofluorene Derivatives as Blue Fluorescent Materials for OLEDs. Bulletin of the Korean Chemical Society, 2011, 32, 1593-1598.	1.0	8
2728	Donor-Acceptor-Donor Type Red Fluorescent Emitters Containing Adamandane-substituted Julolidines for OLEDs. Bulletin of the Korean Chemical Society, 2011, 32, 2787-2790.	1.0	7
2729	Synthesis of Novel Fluorophores Derived from Pyranylidenemalonitrile. Bulletin of the Korean Chemical Society, 2011, 32, 3152-3154.	1.0	3
2730	Synthesis and Electroluminescent Properties of Julolidine-Ï€-Juloidine Type Materials with the Bulky Adamantane Groups. Bulletin of the Korean Chemical Society, 2012, 33, 3883-3886.	1.0	4
2731	Deep Blue Fluorescent Host Materials Based on a Novel Spiro[benzo[c]fluorene-7,9'-fluorene] Core Structure with Side Aromatic Wings. Bulletin of the Korean Chemical Society, 2012, 33, 2287-2294.	1.0	4
2732	Electron Transport Properties of Zn(phen)q Compared with Alq‹sub›3‹/sub›in OLED. Journal of Electrical Engineering and Technology, 2009, 4, 418-422.	1.2	20
2733	Influence of the functional layer thickness on the light output property of tandem organic light emitting diodeï¼ša numerical study. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 247201.	0.2	1
2734	Research progress of light out-coupling in organic light-emitting diodes with non-period micro/nanostructures. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 207801.	0.2	1
2735	Enhancement of Electron Injection in Organic Light-Emitting Diodes with Photosensitive Charge Generation Layer. Japanese Journal of Applied Physics, 2011, 50, 01BC11.	0.8	6
2736	Power Efficiency Improvement of White Phosphorescent Organic Light-Emitting Diode with Thin Double-Emitting Layers and Hole-Trapping Mechanism. Japanese Journal of Applied Physics, 2011, 50, 04DK04.	0.8	9
2737	Superstructures Based upon n- and p-Type Organic Semiconductors: Toward Light-Emitting Device Applications. Japanese Journal of Applied Physics, 2012, 51, 08HF06.	0.8	3
2738	Solution-Processed White Light-Emitting Diode Utilizing Hybrid Polymer and Redâ€“Greenâ€“Blue Quantum Dots. Japanese Journal of Applied Physics, 2012, 51, 09MH03.	0.8	6
2739	On-demand Patterning for Organic Light-emitting Diodes Using Laser Irradiation. Chemistry Letters, 2022, 51, 62-64.	0.7	0
2740	æœ‰æ©ŸELææ–™ã•æ§‹é€ ã®å‹•å•. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2000, 54, 1121-1124.	0.0	0
2741	Analysis of carrier behavior in organic light-emitting-diode by computer simulation on a basis of hopping conduction [2]. IEEJ Transactions on Fundamentals and Materials, 2001, 121, 666-671.	0.2	0
2742	Title is missing!. Shinku/Journal of the Vacuum Society of Japan, 2001, 44, 940-947.	0.2	0
2743	Organic Light Emitting Diode Flat Panel Displays. Journal of Japan Institute of Electronics Packaging, 2001, 4, 448-451.	0.0	0

#	Article	IF	Citations
2744	Electron and Hole Injection Processes in OLEDs Consisting of Low Molecular Weight Materials. , 2001, , .		0
2745	Molecular Control of Electron and Hole Injection at Electrodes and at Organic Layer Interfaces in Organic Electroluminescent Devices. , 2001, , .		0
2747	æœ‰æ©ŸELç´ åã®åŸºçŽ ã¨å¿œç”¨. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2002, 56, 1233-1239.	0.0	0
2748	Current-Voltage-Luminance Characteristics Depending on a Direction of Applied Voltage in Organic Light-Emitting Diodes. Transactions on Electrical and Electronic Materials, 2002, 3, 38-41.	1.0	0
2750	Characterization of Isomers in Solid Aluminum tris-(Quinoline-8-olate) by 27Al NMR. Materials Research Society Symposia Proceedings, 2003, 771, 7421.	0.1	0
2751	æœ‰æ©Ÿ EL ã¨ãƒãƒªãƒžãƒ¼å…‰é›†ç©ãƒ‡ãƒã‚¤ã‚¹. Seikei-Kakou, 2003, 15, 173-181.	0.0	0
2752	Tasks in Organic EL Display Devices. Hyomen Kagaku, 2004, 25, 594-598.	0.0	0
2753	æœ‰æ©ŸELãƒ‡ãƒã‚¤ã‚¹ãƒ—ãƒã‚»ã‚¹æŠ€è¡“. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2005	0.0	0
2754	Electroluminescent Properties of White Light-Emitting Device Using Photoconductive Polymer and Anthracene Derivatives. Korean Journal of Materials Research, 2005, 15, 543-547.	0.1	0
2755	Resonant-Wavelength Control in Visible-Light Range of Organic Photonic Crystal Nanocavities. Japanese Journal of Applied Physics, 2006, 45, 6112-6115.	0.8	0
2756	Trend in Development of Organic Light-Emitting Diode Display. Journal of the Institute of Electrical Engineers of Japan, 2007, 127, 794-797.	0.0	0
2757	The Luminescent Characteristics of C545T Doped OLED Devices. Journal of the Korean Institute of Surface Engineering, 2007, 40, 77-81.	0.1	0
2758	Potential to Lighting of Organic Light-emitting Diodes. IEEJ Transactions on Fundamentals and Materials, 2008, 128, 569-572.	0.2	0
2759	Emission Properties of OLED Devices with Various Hole Injection Materials. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2008, 21, 562-568.	0.0	0
2760	Flexible Organic Light-Emitting Diodes for Automobiles. Seikei-Kakou, 2008, 20, 869-873.	0.0	0
2761	Fabrication and Optical Properties of Inorganic Electroluminescent Devices. Journal of the Korean Ceramic Society, 2009, 46, 317-322.	1.1	0
2762	OLED Materials and Device Architectures for Full-Color Displays and Solid-State Lighting. , 2009, , 433-509.		2
2763	Organic Light-Emitting Diodes and Photodetectors for Optical Communication. , 2009, , 511-528.		0

#	Article	IF	Citations
2764	Organic Light-Emitting Diodes and Photodetectors for Optical Communications. , 2009, , 525-542.		0
2766	Simulations of Electrical Characteristics of Multi-layer Organic Light Emitting Diode Devices with doped Emitting Layer. Journal of the Korea Academia-Industrial Cooperation Society, 2010, 11, 827-834.	0.0	1
2767	Study on Optical Characteristics of Organic Light-emitting Diodes Using Two Fluorescence Dopants in Single Emissive Layer. Applied Science and Convergence Technology, 2010, 19, 184-189.	0.3	0
2768	Nanostructured Optoelectronic Materials for Short-Wavelength Devices. , 2010, , 141-162.		0
2769	Numerical Simulations of Electric-Optical Characteristics for Organic Light Emitting Diode with Gradient-Doped Emitting Layer. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2010, 23, 638-644.	0.0	1
2770	Organic Light-Emitting Diodes with Field-Effect Electron Transport. , 2011, , 49-63.		0
2771	Self-Aligned Organic Light-Emitting Diodes with Color Changing by Ink-Jet Printing Dots. Japanese Journal of Applied Physics, 2011, 50, 01BC09.	0.8	1
2772	Value of OLEDs with Field-Effect Electron Transport for Lasing Applications. , 2011, , 117-134.		0
2773	High-Efficiency Electrophosphorescence Red Organic Light-Emitting Diodes Using a Thin 1,3-Bis[2-(2,2'-bipyridin-6-yl)-1,3,4-oxadiazol-5-yl]benzene Cleaving Layer in an Ir-Complex-Doped Emitter Layer. Japanese Journal of Applied Physics, 2011, 50, 04DK19.	0.8	0
2775	Optical Thin Film and Micro Lens Design for Efficiency Improvement of Organic Light Emitting Diode. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2011, 24, 817-821.	0.0	0
2776	Stability of organic light-emitting device. Wuli Xuebao/Acta Physica Sinica, 2012, 61, 207802.	0.2	4
2777	Influence of active layer thickness on the performance of distyrylarylene derivative blue organic light-emitting device. Wuli Xuebao/Acta Physica Sinica, 2012, 61, 098101.	0.2	0
2778	Organic Light Emitting Diodes (OLEDS). , 2012, , 1209-1222.		3
2779	Influence of Electrode and Thickness of Organic Layer to the Emission Spectra in Microcavity Organic Light Emitting Diodes. Journal of the Korean Society for Precision Engineering, 2012, 29, 1183-1189.	0.1	0
2780	Organic Materials for Solid-State Lasers. Springer Series in Optical Sciences, 2013, , 75-106.	0.5	1
2781	Organic Solar Cells organic solar cell. , 2013, , 97-128.		1
2783	Electrical Properties of Organic light-emitting Diode with Oxygen Plasma Treatment. Transactions of the Korean Institute of Electrical Engineers, 2013, 62, 1566-1570.	0.1	0
2784	Peculiarities of Electronic Processes in High-Fluorescence Boron-Containing Composite Films. Ukrainian Journal of Physics, 2014, 59, 238-245.	0.1	1

#	Article	IF	Citations
2785	New light transducer using organic electroluminescent diode combined with photoresponsive organic pigment film. , 1994, , 385-388.		0
2786	Electrical and Luminant Properties of Organic Electroluminescent Diodes with Multi Layers. IEEJ Transactions on Fundamentals and Materials, 1996, 116, 30-35.	0.2	1
2787	Hole Transport in Triphenylmethane Doped Polymers. , 1997, , 25-38.		1
2788	Discussion on EL Mechanism for Organic Light-Emitting-Diodes Alternately Deposited with Diamine Derivative and Aluminum Quinoline and Propose of New Model for Organic LED. IEEJ Transactions on Fundamentals and Materials, 1997, 117, 858-865.	0.2	1
2789	Organic Electroluminescent Devices-Current Status and Future Prospects.. IEEJ Transactions on Sensors and Micromachines, 1997, 117, 123-126.	0.0	1
2790	EL Properties of New Blue Organic Light-Emitting-Diode with a Distyryltriphenylamine Derivative. IEEJ Transactions on Sensors and Micromachines, 1998, 118, 229-234.	0.0	0
2791	Organic Electroluminescent Devices. Springer Series in Materials Science, 1999, , 345-362.	0.4	2
2792	Improvement of Efficiency Varying Ratio in Hybrid White OLED. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2014, 27, 571-575.	0.0	0
2793	Improvement of Color Purity Using Hole Blocking Layer in Hybrid White OLED. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2014, 27, 837-840.	0.0	0
2794	Current reflearch and future development of organic laser materials and devices. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 094202.	0.2	4
2795	The Approaches to Achieving High Out-Coupling Organic Light-Emitting Diodes. Optoelectronics, 2015, 05, 33-39.	0.0	0
2796	Luminescence Modulation of Organic Crystals by a Supramolecular Approach. , 2015, , 569-586.		0
2797	Organic Light-Emitting Diodes (OLEDS). , 2016, , 1-22.		0
2798	A Synthesis and Characterization of Pt(II) Complexes with Bipyrimidin-based Back-bone System. Korean Chemical Engineering Research, 2016, 54, 555-559.	0.2	1
2799	Influence of the Carrier Mobility and Charge Accumulation in Interfacial Layers on Deterioration in Organic Light-emitting Diodes. IEEJ Transactions on Fundamentals and Materials, 2017, 137, 291-297.	0.2	0
2800	Solution processable piperazine and triphenyl moiety containing non-symmetric bis-styryl-DWK type molecular glasses with light-emitting and amplified spontaneous emission properties. , 2018, , .		1
2801	Modeling of enhancement effect of moth-eye antireflective coating on organic light-emitting diode. Journal of Nanophotonics, 2018, 12, 1.	0.4	17
2802	Green Emitters for White Light Emitting Diodes: A Comparative Study. International Journal of ChemTech Research, 2019, 12, 210-215.	0.1	0

#	Article	IF	Citations
2803	Functionalization of Organometallic Complexes Aimed at Solution-Processed Organic Light-Emitting Diode: Strategic Molecular Designs of Phosphorescent Dendritic Emitters. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2019, 77, 26-39.	0.0	0
2804	Synthesis, Characterization of New Polyamides Bearing Triarylamine for Lightemitting Diodes. Ibn Al-Haitham Journal for Pure and Applied Sciences, 2019, 32, 81.	0.1	0
2805	Enhancement of inorganic electroluminescence by chlorine-functionalized CNTs. , 2019, , .		0
2806	Fiber Light-Emitting Devices. , 2020, , 253-289.		1
2807	Physics and Design Principles of OLED Devices. , 2020, , 1-73.		2
2808	Strain sensitivity of dielectric polarization to doping in a host: guest medium. Optical Materials Express, 2020, 10, 3021.	1.6	1
2809	Organic Devices: Fabrication, Applications, and Challenges. Journal of Electronic Materials, 2022, 51, 447-485.	1.0	20
2810	Can A Double-Doped Device Modification of A Standard Bilayer OLED Improve the Photo- And/or Electro-luminescence Efficiency? A Case Study of Architecture Design in Fluorescent Devices with A Potential Roadmap for High-Efficiency Phosphorescent Devices. Comments on Inorganic Chemistry, 2022, 42, 145-173.	3.0	0
2811	High-performance fluorescent organic electroluminescent devices benefit from sensitization of thermally activated delayed fluorescence. Journal of Materials Chemistry C, 2021, 9, 17526-17530.	2.7	1
2812	Highly efficient deep-blue OLEDs with CIE closely approaches Rec.2020 standard based on an acridineâ€'naphthalene hybrid fluorophore. Dyes and Pigments, 2022, 198, 110030.	2.0	4
2813	Modeling and Analysis of Waveguide Modes in Organic Light Emitting Diode for Bio- sensing Applications. , 2020, , .		0
2814	Effect of Strain on Excitons in Van Der Waals Solids. , 2022, , .		0
2815	Investigation of 4,4â€²-bis[(N- carbazole) styryl] biphenyl (BSB4) for a pure blue fluorescent OLED with enhanced efficiency nearing the theoretical limit. Semiconductor Science and Technology, 2022, 37, 035006.	1.0	4
2816	Brief history of OLEDs and TADF materials for OLEDs. , 2022, , 1-69.		0
2817	Pure Boric Acid Does Not Show Roomâ€Temperature Phosphorescence (RTP). Angewandte Chemie, 2022, 134, .	1.6	5
2818	Highly efficient non-doped deep-blue OLED with NTSC CIEy and negligible efficiency roll-off based on emitter possessing hydrogen bond and hybridized excited state. Dyes and Pigments, 2022, 200, 110135.	2.0	10
2819	Pure Boric Acid Does Not Show Roomâ€Temperature Phosphorescence (RTP). Angewandte Chemie - International Edition, 2022, 61, .	7.2	22
2820	Progress and Perspective of Solid-State Organic Fluorophores for Biomedical Applications. Journal of the American Chemical Society, 2021, 143, 21143-21160.	6.6	76

#	Article	IF	Citations
2821	Anthracene-Dibenzofuran Based Electron Transport Type Hosts for Long Lifetime Multiple Resonance Pure Blue Oleds. SSRN Electronic Journal, 0, , .	0.4	0
2822	Plasmonic PHOLEDs: increasing OLED stability. Journal of Materials Chemistry C, 2022, 10, 4182-4186.	2.7	3
2823	Research Progress of Red Thermally Activated Delayed Fluorescent Materials Based on Quinoxaline. Acta Chimica Sinica, 2022, 80, 359.	0.5	5
2824	Bottom gate single crystal Si thin-film transistors fabricated by all sputtering processes. Japanese Journal of Applied Physics, 0, , .	0.8	1
2825	Photoluminescence and nonlinear optical properties of Nickel bis-(8-hydroxyquinoline) thin film. Materials Chemistry and Physics, 2022, 284, 126031.	2.0	10
2826	Anthracene-dibenzofuran based electron transport type hosts for long lifetime multiple resonance pure blue OLEDs. Organic Electronics, 2022, 105, 106501.	1.4	20
2827	Synthesis, crystal structure, characterization, Hirshfeld analysis, molecular docking and DFT calculations of 5-Phenylamino-isophthalic acid: A good NLO material. Journal of Molecular Structure, 2022, 1261, 132791.	1.8	23
2828	A Facile Synthesis of Derivatives of Tetraphenylcyclopentadienone and a Linear Polymer. Polymer Science - Series A, 2021, 63, 672-678.	0.4	1
2829	Theoretical Design of Blue-Color Phosphorescent Complexes for Organic Light-Emitting Diodes: Emission Intensities and Nonradiative Transition Rate Constants in Ir(ppy)₂(acac) Derivatives. Journal of Physical Chemistry A, 2021, 125, 10604-10614.	1.1	0
2833	Photo-triggered theranostics nanomaterials: Development and challenges in cancer treatment. , 2022, , 431-442.		0
2834	Hole transport and currentâ€“voltage characteristics of <scp>PEO</scp>/<scp>PVP</scp>/cobalt nitrate polymer blend electrolytes. Polymer Engineering and Science, 2022, 62, 2260-2273.	1.5	6
2835	Small dose of phosphorescent dopant enabling high efficiency and bright solution-processed sky-blue organic light-emitting diodes. Optical Materials, 2022, 128, 112278.	1.7	1
2836	High performance of solution-processed green phosphorescent light emitting-diodes based on a new Pt(II)-complex. Journal of Luminescence, 2022, , 118938.	1.5	0
2837	Blue Phosphorescent Organic Lightâ€Emitting Diodes Using Nâ€Type Semiconductor Extra Emission Layer. Physica Status Solidi C: Current Topics in Solid State Physics, 2017, 14, 1700162.	0.8	0
2838	New deep blue fluorophores based on benzo[d]thiazole group as acceptor core: Theoretical, synthesis, photophysical and electroluminescent investigation. Journal of Luminescence, 2022, 248, 118992.	1.5	6
2839	Recent advances in the electrical and optical properties of Alq₃ and Alq₃ derivatives based OLEDS. Journal of Physics: Conference Series, 2022, 2267, 012159.	0.3	0
2840	Novel fused 5,9-dihydrobenzo[a]quinolino[1,2,3-fg]acridine-based emitters for efficient non-doped deep-blue electroluminescence with CIEy â‰¤ 0.08. Dyes and Pigments, 2022, 204, 110456.	2.0	3
2843	21â€³: Effect of Ag Adhesion Layer on Plasmon Outcoupling Efficiency. Digest of Technical Papers SID International Symposium, 2022, 53, 235-238.	0.1	0

#	Article	IF	Citations
2844	45â€3: Effects of Nearâ€UV Irradiation on Organic Lightâ€emitting Diodes and Their Solutions Using UV Blocking Layer. Digest of Technical Papers SID International Symposium, 2022, 53, 569-572.	0.1	0
2845	Advances in Blue Exciplexâ€"Based Organic Light-Emitting Materials and Devices. Frontiers in Chemistry, 0, 10, .	1.8	2
2846	Novel Orthoâ€Linkage Donorâ€Acceptor Type Host Materials for Efficiently Red Phosphorescence Organic Lightâ€Emitting Diodes. ChemistrySelect, 2022, 7, .	0.7	5
2847	Enhanced performance in solution-processed blue emission layer of organic light-emitting diodes with an alcohol soluble amphiphilic polymer as the hole modify layer. Synthetic Metals, 2022, 289, 117122.	2.1	4
2848	Fabrication of Flexible Highâ€Temperature Film Thermometers and Heatâ€Resistant OLEDs Using Novel Hot Exciton Organic Fluorophores. Advanced Functional Materials, 2022, 32, .	7.8	8
2849	New complexes of indium(III) diaryldithiophosphates: Structural characterization and insight into supramolecular interactions. Polyhedron, 2022, 226, 116094.	1.0	4
2850	Effects of a long-short axis skeleton on the excited-state properties of ultraviolet hot exciton molecules: luminescence mechanism and molecular design. Physical Chemistry Chemical Physics, 2022, 24, 22309-22318.	1.3	0
2851	An Overlooked Chargeâ€Transfer Interaction in the Interfacial Tripletâ€"Triplet Upconversion Process in Blue Organic Lightâ€Emitting Diodes. Advanced Optical Materials, 2022, 10, .	3.6	8
2852	Organic Semiconductor Laser. , 2022, , 177-205.		0
2853	32.2: Invited Paper: Next Generation OLEDs. Digest of Technical Papers SID International Symposium, 2022, 53, 348-348.	0.1	0
2854	Redoxâ€and pHâ€Responsive Waterâ€Soluble Flexible Organic Frameworks Realize Synergistic Tumor Photodynamic and Chemotherapeutic Therapy. Macromolecular Rapid Communications, 2023, 44, .	2.0	2
2855	Decorated pyridine as hole transporting material (HTM) for solution-processed OLEDs. Journal of Photochemistry and Photobiology A: Chemistry, 2023, 437, 114380.	2.0	5
2856	Alq3-Graphene Bi-Functional Nanocomposite for Cold Cathodes and Luminescent Anodes in Field Emission Display Applications. Journal of Electronic Materials, 2023, 52, 1662-1667.	1.0	5
2857	Optical and computational analysis of red light emitting Eu(III) complexes for applications in luminescent devices. Optical Materials, 2022, 134, 113095.	1.7	6
2858	Interplay between Singlet and Triplet Excited States in Interface Exciplex OLEDs with Fluorescence, Phosphorescence, and TADF Emitters. Advanced Functional Materials, 2023, 33, .	7.8	7
2859	Unraveling the Energy Transfer Mechanisms in Biâ€Color and Triâ€Color Quantum Dots: toward Efficient White Quantum Dot Lightâ€Emitting Diodes. Advanced Optical Materials, 2023, 11, .	3.6	4
2860	Electro-Optic Properties of High-Efficiency Organic Electronics with the Addition of An Interlayer. Applied Sciences (Switzerland), 2023, 13, 624.	1.3	0
2861	An efficient solid-solution crystalline organic light-emitting diode with deep-blue emission. Nature Photonics, 2023, 17, 264-272.	15.6	16

#	Article	IF	Citations
2862	Compact CPL emitters based on a [2.2]paracyclophane scaffold: recent developments and future perspectives. Journal of Materials Chemistry C, 2023, 11, 2053-2062.	2.7	9
2863	Characterization of Ag and Dy incorporated Alq3 nanocomposite sheets for potential radiation dosimetry applications. Journal of Luminescence, 2023, 257, 119696.	1.5	0
2864	Multiresonant TADF materials: triggering the reverse intersystem crossing to alleviate the efficiency roll-off in OLEDs. Chemical Communications, 2023, 59, 3685-3702.	2.2	30
2865	OLEDs: Emerging technology trends and designs. , 2023, , 307-328.		0
2866	Photophysical investigations on Sm(TTA)3tppo complex blended in PMMA and PS. , 2023, , 263-278.		0
2867	Dependence of the Performance of Vacuum Deposited Organic Light Emitting Diodes on Layer Thickness and Composition. , 1993, , .		0
2868	Double Heterostructure and Multiple Quantum Well Organic Light Emitting Diodes for Flat Panel Displays. , 1995, , .		1
2869	Electroluminescence from Organometallic Thin Films. , 1995, , .		0
2870	High Efficiency White and Colored Organic Electroluminescence. , 1995, , .		0
2871	A survey of the structure, fabrication, and characterization of advanced organic light emitting diodes. Microelectronics Reliability, 2023, 144, 114959.	0.9	8
2872	Temperature dependence of methoxy substituted 2, 4-diphenyl quinoline phosphor toward OLED application. , 2023, , 279-306.		0
2873	Sensitized organic light-emitting diodes: towards high efficiency and long lifetimes. Materials Chemistry Frontiers, 2023, 7, 1760-1780.	3.2	8
2874	Current Conduction and Electroluminescence Mechanisms in Molecular Organic Light Emitting Devices.. , 1995, , .		0
2875	Photocurrent Multiplication in Amorphous Silicon Carbide Films. Kluwer International Series in Electronic Materials: Science and Technology, 2023, , 1-14.	0.3	1
2889	Products of Optoelectronic Devices. , 2024, , 335-356.		0
2895	Microfluidic Self-Emissive Devices. , 2024, , 317-345.		0
2896	Organic Light-Emitting Diodes (OLEDs): Materials, Photophysics, and Device Physics. , 2024, , 73-118.		0