

CITATION REPORT

List of articles citing

Very high-efficiency green organic light-emitting devices based on electrophosphorescence

DOI: 10.1063/1.124258

Applied Physics Letters, 1999, 75, 4-6.

Source: <https://exaly.com/paper-pdf/30842212/citation-report.pdf>

Version: 2024-04-19

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2373	High efficiency, long lifetime phosphorescent OLEDs.		1
2372	Chapter 5 Molecular Organic Light-Emitting Devices. 1999 , 64, 255-306		16
2371	High Quantum Efficiency in Organic Light-Emitting Devices with Iridium-Complex as a Triplet Emissive Center. <i>Japanese Journal of Applied Physics</i> , 1999 , 38, L1502-L1504	1.4	171
2370	Excitonic singlet-triplet ratio in a semiconducting organic thin film. 1999 , 60, 14422-14428		865
2369	Luminescence Properties and Energy Transfer Processes in Fluorescent and Phosphorescent Tris(Phenylquinoxaline). 1999 , 598, 236		
2368	Influence of Device Configuration on External Quantum Efficiency in Organic Light-Emitting Devices. 2000 , 660,		
2367	Ein blau lumineszierendes Starburstmolekül und sein orange lumineszierender dreikerniger PdII-Komplex: 1,3,5-Tris(7-azaindol-1-yl)benzol (tabH) und [Pd II3(tab)2Cl4]. 2000 , 112, 4094-4096		5
2366	A Blue Luminescent Starburst Molecule and Its Orange Luminescent Trinuclear Pd Complex: 1,3,5-tris(7-azaindol-1-yl)benzene (tabH) and [Pd II3(tab) Cl]. 2000 , 39, 3933-3935		65
2365	Photoluminescence of [RhIII(phpy)2(CN)2][[phpy]ortho-metalated 2-phenylpyridine anion). 2000 , 319, 486-488		11
2364	Highly efficient electrophosphorescent polymer light-emitting devices. <i>Organic Electronics</i> , 2000 , 1, 15-20	5	82
2363	High-efficiency fluorescent organic light-emitting devices using a phosphorescent sensitizer. 2000 , 403, 750-3		1748
2362	Explanation for fracture spacing in layered materials. 2000 , 403, 753-6		182
2361	Display technology. Sidestepping the selection rules. 2000 , 403, 710-1		9
2360	Mining the genome for iron. 2000 , 403, 711, 713		27
2359	Influence of Device Configuration on External Quantum Efficiency in Organic Light-Emitting Devices. 2000 , 660, 1		
2358	Determination of the energy levels of a phosphorescent guest in organic light emitting devices. <i>Applied Physics Letters</i> , 2000 , 77, 2003-2005	3.4	14
2357	Polymer phosphorescent light-emitting devices doped with tris(2-phenylpyridine) iridium as a triplet emitter. <i>Applied Physics Letters</i> , 2000 , 77, 2280-2282	3.4	231

2356	Operating lifetime of phosphorescent organic light emitting devices. <i>Applied Physics Letters</i> , 2000 , 76, 2493-2495	3-4	117
2355	Sharp green electroluminescence from 1H-pyrazolo[3,4-b]quinoline-based light-emitting diodes. <i>Applied Physics Letters</i> , 2000 , 77, 1575-1577	3-4	74
2354	Red Electroluminescence from an Organic Europium Complex with a Triphenylphosphine Oxide Ligand. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, 6445-6448	1.4	19
2353	Active optoelectronics using thin-film organic semiconductors. 2000 , 6, 1072-1083		83
2352	High T/sub g/ hole transport polymers for the fabrication of bright and efficient organic light-emitting devices with an air-stable cathode. 2000 , 36, 12-17		12
2351	Syntheses, structures, and fluxionality of blue luminescent zinc(II) complexes: Zn(2,2',2''-tpa)Cl ₂ , Zn(2,2',2''-tpa) ₂ (O ₂ CCF ₃) ₂ , and Zn(2,2',3''-tpa) ₄ (O ₂ CCF ₃) ₂ (tpa = tripyridylamine). 2000 , 39, 2397-404		149
2350	Transient analysis of organic electrophosphorescence. II. Transient analysis of triplet-triplet annihilation. 2000 , 62, 10967-10977		1159
2349	Soluble Europium Complexes for Light-Emitting Diodes. 2000 , 12, 2537-2541		66
2348	High-efficiency organic electrophosphorescent devices with tris(2-phenylpyridine)iridium doped into electron-transporting materials. <i>Applied Physics Letters</i> , 2000 , 77, 904-906	3-4	929
2347	Transient analysis of organic electrophosphorescence: I. Transient analysis of triplet energy transfer. 2000 , 62, 10958-10966		441
2346	Use of Poly(9-vinylcarbazole) as Host Material for Iridium Complexes in High-Efficiency Organic Light-Emitting Devices. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, L828-L829	1.4	109
2345	Exciton Migration and Cathode Quenching in Organic Light Emitting Diodes 2000 , 104, 4704-4710		92
2344	Electroluminescence mechanisms in organic light emitting devices employing a europium chelate doped in a wide energy gap bipolar conducting host. 2000 , 87, 8049-8055		372
2343	Electrogenerated Chemiluminescence from Derivatives of Aluminum Quinolate and Quinacridones: Cross-Reactions with Triarylaminines Lead to Singlet Emission through Triplet-Triplet Annihilation Pathways. <i>Journal of the American Chemical Society</i> , 2000 , 122, 4972-4979	16.4	93
2342	Syntheses, Structures, and Electroluminescence of New Blue/Green Luminescent Chelate Compounds: Zn(2-py-in) ₂ (THF), BPh ₂ (2-py-in), Be(2-py-in) ₂ , and BPh ₂ (2-py-aza) [2-py-in = 2-(2-pyridyl)indole; 2-py-aza = 2-(2-pyridyl)-7-azaindole]. <i>Journal of the American Chemical Society</i> , 2000 , 122, 3671-3678	16.4	185
2341	Electroluminescence emission pattern of organic light-emitting diodes: Implications for device efficiency calculations. 2000 , 88, 1073-1081		379
2340	Highly efficient phosphorescence from organic light-emitting devices with an exciton-block layer. <i>Applied Physics Letters</i> , 2001 , 79, 156-158	3-4	730
2339	Origin of electrophosphorescence from a doped polymer light emitting diode. 2001 , 63,		182

2338	Material transport regimes and mechanisms for growth of molecular organic thin films using low-pressure organic vapor phase deposition. 2001 , 89, 1470-1476		102
2337	High-efficiency red electrophosphorescence devices. <i>Applied Physics Letters</i> , 2001 , 78, 1622-1624	3-4	621
2336	Endothermic energy transfer: A mechanism for generating very efficient high-energy phosphorescent emission in organic materials. <i>Applied Physics Letters</i> , 2001 , 79, 2082-2084	3-4	953
2335	Self-quenching of excited europium ions in Eu(DBM) ₃ bath-based organic electroluminescent devices. 2001 , 34, L61-L64		14
2334	Theory of emission state of tris(8-quinolinolato)aluminum and its related compounds. 2001 , 90, 6092-6097		41
2333	Nearly 100% internal phosphorescence efficiency in an organic light-emitting device. 2001 , 90, 5048-5051		2883
2332	Combinatorial fabrication and studies of intense efficient ultraviolet violet organic light-emitting device arrays. <i>Applied Physics Letters</i> , 2001 , 79, 2282-2284	3-4	89
2331	Optical properties of Zn(II) complex using 1,2-bis(8-hydroxyquinolin-2-yl)ethane. 2001 , 7, 845-848		4
2330	Triplet state dynamics in poly(2,5-pyridine diyl). 2001 , 116, 15-18		4
2329	Optimization of emitting efficiency in organic LED cells using Ir complex. 2001 , 122, 203-207		37
2328	Highly phosphorescent bis-cyclometalated iridium complexes: synthesis, photophysical characterization, and use in organic light emitting diodes. <i>Journal of the American Chemical Society</i> , 2001 , 123, 4304-12	16.4	2408
2327	Luminescent Metal Complexes: Diversity of Excited States. 2001 , 143-182		134
2326	Charge-transporting polymers and molecular glasses. 2001 , 233-274		9
2325	Improvement of Power Efficiency in Organic Electroluminescent Devices. 2001 , 708, 3211		
2324	Approaches to Advanced Organic Light Emitting Diodes: Materials and Devices. 2001 , 665, 1		
2323	The Effects of Processing Conditions on the Efficiency and Lifetime of Organic Light Emitting Devices Incorporating a New Oxadiazole Derivative. 2001 , 708, 581		1
2322	Integration of organic electroluminescent diodes and polymeric waveguide devices: characterization of light source for optical integrated circuit. 2001 ,		2
2321	Organic electroluminescent diodes as a light source for polymeric waveguides toward organic integrated optical devices. 2001 , 393, 267-272		16

2320	Improvement in electron and hole injection at electrodes and in recombination at a two-organic-layer interface. 2001 , 85, 203-208		18
2319	Highly efficient polymer phosphorescent light emitting devices. 2001 , 85, 228-231		20
2318	Molecularly doped polymer light emitting diodes utilizing phosphorescent Pt(II) and Ir(III) dopants. <i>Organic Electronics</i> , 2001 , 2, 53-62	3.5	155
2317	The role of ruthenium and rhenium diimine complexes in conjugated polymers that exhibit interesting opto-electronic properties. 2001 , 7, 4358-67		79
2316	Transfer Processes in Semiconducting Polymer-Porphyrin Blends. 2001 , 13, 44-47		101
2315	Luminescence and electroluminescence of Al(III), B(III), Be(II) and Zn(II) complexes with nitrogen donors. 2001 , 215, 79-98		414
2314	Long-range energy transfer of singlet and triplet excitations in dye-doped tris(phenylquinoxaline). 2001 , 115, 3249-3255		26
2313	Highly efficient electroluminescent materials based on fluorinated organometallic iridium compounds. <i>Applied Physics Letters</i> , 2001 , 79, 449-451	3.4	252
2312	Synthesis and characterization of phosphorescent cyclometalated iridium complexes. 2001 , 40, 1704-11		1113
2311	Device physics of organic light-emitting diodes based on molecular materials. <i>Organic Electronics</i> , 2001 , 2, 1-36	3.5	508
2310	Efficient electrophosphorescence using a doped ambipolar conductive molecular organic thin film. <i>Organic Electronics</i> , 2001 , 2, 37-43	3.5	173
2309	Ultra barrier flexible substrates for flat panel displays. 2001 , 22, 65-69		270
2308	Near-Infrared Photoluminescence and Electroluminescence of Neodymium(III), Erbium(III), and Ytterbium(III) Complexes. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, 350-356	1.4	52
2307	Simple Measurement of Quantum Efficiency in Organic Electroluminescent Devices. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, L783-L784	1.4	81
2306	Solution Electrochemiluminescent Cell Using Tris(phenylpyridine) Iridium. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, L945-L947	1.4	34
2305	Effects of ammonium salt doping on electroluminescence properties of 4,4-bis(9-dicarbazolyl)-biphenyl. 2001 , 34, 3492-3495		8
2304	Bright pure blue emission from multilayer organic electroluminescent device with purified unidentate organometallic complex. <i>Applied Physics Letters</i> , 2001 , 79, 1387-1389	3.4	51
2303	Photopumped Organic Solid-State Dye Laser with a Second-Order Distributed Feedback Cavity. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, L799-L801	1.4	24

2302	Efficient green organic light-emitting diodes with sterically hindered coumarin dopants. <i>Applied Physics Letters</i> , 2001 , 79, 3711-3713	3-4	110
2301	Efficient organic red electroluminescent device with narrow emission peak. <i>Applied Physics Letters</i> , 2001 , 78, 279-281	3-4	77
2300	Heteroepitaxial growth of self-assembled highly ordered para-sexiphenyl films: A crystallographic study. 2001 , 64,		58
2299	Degradation mechanism of phosphorescent-dye-doped polymer light-emitting diodes. <i>Applied Physics Letters</i> , 2001 , 79, 2088-2090	3-4	101
2298	Physics of organic electronic devices. 2001 , 55, 1-117		85
2297	High-efficiency yellow double-doped organic light-emitting devices based on phosphor-sensitized fluorescence. <i>Applied Physics Letters</i> , 2001 , 79, 1045-1047	3-4	181
2296	Light-emitting diodes based on phosphorescent guest/polymeric host systems. 2002 , 92, 3447-3453		131
2295	Vacuum level alignment in organic guest-host systems. 2002 , 92, 1598-1603		33
2294	Cyclometalated Ir complexes in polymer organic light-emitting devices. 2002 , 92, 1570-1575		156
2293	High operational stability of electrophosphorescent devices. <i>Applied Physics Letters</i> , 2002 , 81, 162-164	3-4	224
2292	Graded mixed-layer organic light-emitting devices. <i>Applied Physics Letters</i> , 2002 , 80, 725-727	3-4	140
2291	Highly efficient electrophosphorescent devices based on conjugated polymers doped with iridium complexes. <i>Applied Physics Letters</i> , 2002 , 80, 2045-2047	3-4	148
2290	Bright small molecular white organic light-emitting devices with two emission zones. <i>Applied Physics Letters</i> , 2002 , 80, 2201-2203	3-4	134
2289	High-performance polymer light-emitting diodes doped with a red phosphorescent iridium complex. <i>Applied Physics Letters</i> , 2002 , 80, 2308-2310	3-4	204
2288	Red electrophosphorescence from osmium complexes. <i>Applied Physics Letters</i> , 2002 , 80, 713-715	3-4	65
2287	52.3: Display Properties of High-efficiency Electrophosphorescent Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2002 , 33, 1365	0.5	8
2286	52.2: High-efficiency RED Organic Light Emitting Material and Device Based on Triplet Emission with Ir Complex. <i>Digest of Technical Papers SID International Symposium</i> , 2002 , 33, 1360	0.5	14
2285	An organic optical bistable switch.		

2284	Low-Voltage Organic Thin Film Transistors on Flexible Plastic Substrates with Anodized Ta ₂ O ₅ Gate Insulators. 2002 , 736, 1		3
2283	Doping in the Mixed Layer to Achieve High Brightness and Efficiency Organic Light Emitting Devices. 2002 , 19, 1362-1364		10
2282	Novel Alternating Current Electroluminescent Devices with an Asymmetric Structure Based on a Polymer Heterojunction. 2002 , 19, 1359-1361		3
2281	Polymeric optical integrated devices with high-speed operated organic electroluminescent diodes as a light source. 2002 , 4805, 106		
2280	High Speed Response of Organic Light Emitting Diodes and Photo-Detectors Fabricated on a Polymeric Substrate for Polymeric Optical Integrated Circuits. 2002 , 736, 1		
2279	Paper-Like Display Utilizing Organic Electroluminescent Diodes Fabricated on 10 Micron-Thick Polyimide Films. 2002 , 736, 1		
2278	52.4L: Late-News Paper: a-Si:H TFT Active-Matrix Phosphorescent OLED Pixel. <i>Digest of Technical Papers SID International Symposium</i> , 2002 , 33, 1368	0.5	7
2277	Electrogenerated Chemiluminescence from Phosphorescent Molecules Used in Organic Light-Emitting Diodes. 2002 , 149, E137		73
2276	Organometallic Pt(II) compounds. A complementary study of a triplet emitter based on optical high-resolution and optically detected magnetic resonance spectroscopy. 2002 , 41, 4915-22		67
2275	High-Brightness and Low-Voltage Light-Emitting Devices Based on Trischelated Ruthenium(II) and Tris(2,2'Ebipyridine)osmium(II) Emitter Layers and Low Melting Point Alloy Cathode Contacts. 2002 , 14, 3465-3470		97
2274	High-efficiency electrophosphorescent organic light-emitting diodes with double light-emitting layers. <i>Applied Physics Letters</i> , 2002 , 81, 4070-4072	3-4	143
2273	Europium complex as a highly efficient red emitter in electroluminescent devices. <i>Applied Physics Letters</i> , 2002 , 81, 792-794	3-4	120
2272	Divalent osmium complexes: synthesis, characterization, strong red phosphorescence, and electrophosphorescence. <i>Journal of the American Chemical Society</i> , 2002 , 124, 14162-72	16.4	200
2271	Applications of Organised Molecular Films to Electronic and Opto-Electronic Devices. 2002 , 16, 317-367		3
2270	Novel Blue Phosphorescent Group 15 Compounds MR ₃ (M = P, Sb, Bi; R = p-(N-7-Azaindoly)phenyl). 2002 , 21, 2413-2421		31
2269	Tuning the Luminescence and Electroluminescence of Diphenylboron Complexes of 5-Substituted 2-(2'Pyridyl)indoles. 2002 , 21, 4743-4749		81
2268	Green electrochemiluminescence from ortho-metalated tris(2-phenylpyridine)iridium(III). 2002 , 74, 1340-2		147
2267	Quenching effects in organic electrophosphorescence. 2002 , 66,		269

2266	Energy transfer in polymer electrophosphorescent light emitting devices with single and multiple doped luminescent layers. 2002 , 92, 87-93		347
2265	Faster energy transfer from a fluorescent dye to a phosphorescent dopant: a concentration and intensity study. 2002 , 4, 4109-4114		33
2264	High-efficiency green phosphorescence from spin-coated single-layer dendrimer light-emitting diodes. <i>Applied Physics Letters</i> , 2002 , 80, 2645-2647	3.4	201
2263	Synthesis and characterization of phosphorescent cyclometalated platinum complexes. 2002 , 41, 3055-66		927
2262	Theoretical Studies of the Ground and Excited Electronic States in Cyclometalated Phenylpyridine Ir(III) Complexes Using Density Functional Theory. 2002 , 106, 1634-1641		666
2261	Efficient electrophosphorescent dendrimer LEDs.		1
2260	Architectures for efficient electrophosphorescent organic light-emitting devices. 2002 , 8, 372-377		49
2259	Green Phosphorescent Dendrimer for Light-Emitting Diodes. 2002 , 14, 975-979		277
2258	Electrophosphorescent p-i-n Organic Light-Emitting Devices for Very-High-Efficiency Flat-Panel Displays. 2002 , 14, 1633-1636		216
2257	Recent progress of molecular organic electroluminescent materials and devices. 2002 , 39, 143-222		980
2256	High-efficiency organic electroluminescent devices using iridium complex emitter and arylamine-containing polymer buffer layer. 2002 , 13, 601-604		35
2255	Red electroluminescence of a europium complex dispersed in poly(N-vinylcarbazole). 2002 , 405, 224-227		33
2254	Effects of alternate doped structures on organic electroluminescent devices. 2002 , 408, 206-210		6
2253	Efficient emission from a europium complex containing dendron-substituted diketone ligands. 2002 , 416, 212-217		22
2252	Electron field emission characteristics of electrochemical etched Si tip array. 2002 , 123, 205-207		22
2251	1,8-Naphthalimides in phosphorescent organic LEDs: the interplay between dopant, exciplex, and host emission. <i>Journal of the American Chemical Society</i> , 2002 , 124, 9945-54	16.4	224
2250	Diaminoanthracene Derivatives as High-Performance Green Host Electroluminescent Materials. 2002 , 14, 3958-3963		117
2249	Synthesis, crystal structure, and photoelectric properties of Re(CO)(3)ClL (L = 2-(1-ethylbenzimidazol-2-yl)pyridine). 2002 , 41, 3353-8		130

2248	Electroluminescence of Thin Films of Organic Compounds (Review). 2003 , 70, 165-194		23
2247	Efficient electroluminescence from a new terbium complex. <i>Journal of the American Chemical Society</i> , 2003 , 125, 7166-7	16.4	165
2246	Synthesis and characterization of facial and meridional tris-cyclometalated iridium(III) complexes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 7377-87	16.4	1097
2245	Optical characteristics of PtOEP and Ir(ppy) ₃ triplet-exciton materials for organic electroluminescence devices. 2003 , 438-439, 301-307		59
2244	Orientation-dependent phosphorescence from nanocrystals of platinum tetraphenylporphyrin grown on alkali halides. 2003 , 438-439, 33-38		6
2243	Fabrication and device characterization of organic light emitting transistors. 2003 , 438-439, 330-333		39
2242	Preparation, Photo-luminescence and Electro-Luminescence Behavior of Langmuir-Blodgett Films of Bipyridylrhodium(I) Surfactant Complexes. 2003 , 2003, 4035-4042		62
2241	New charge-carrier blocking materials for high efficiency OLEDs. <i>Organic Electronics</i> , 2003 , 4, 77-87	3.5	312
2240	High efficiency and low power consumption in active matrix organic light emitting diodes. <i>Organic Electronics</i> , 2003 , 4, 143-148	3.5	58
2239	The road to high efficiency organic light emitting devices. <i>Organic Electronics</i> , 2003 , 4, 45-48	3.5	255
2238	Highly efficient light emitters based on the spiro concept. <i>Organic Electronics</i> , 2003 , 4, 61-69	3.5	77
2237	High-efficiency phosphorescent polymer light-emitting devices. <i>Organic Electronics</i> , 2003 , 4, 105-111	3.5	183
2236	Current status of electrophosphorescent device stability. <i>Organic Electronics</i> , 2003 , 4, 155-164	3.5	35
2235	Influence of molecular structure on the properties of dendrimer light-emitting diodes. <i>Organic Electronics</i> , 2003 , 4, 71-76	3.5	43
2234	Improvement of emission efficiency in polymer light-emitting devices based on phosphorescent polymers. 2003 , 445, 353-357		52
2233	Carbazole-containing polymers: synthesis, properties and applications. 2003 , 28, 1297-1353		669
2232	Formation of triplet excimers and dimers in amorphous organic thin films and light emitting devices. 2003 , 286, 321-335		74
2231	A low drive voltage, transparent, metal-free n-i-p electrophosphorescent light emitting diode. <i>Organic Electronics</i> , 2003 , 4, 21-26	3.5	47

2230	Novel organic EL devices. 2003 , 21, 99-107		13
2229	Polymer electrophosphorescent device: comparison of phosphorescent dye doped and coordinated systems. 2003 , 21, 119-123		51
2228	Energy transfer and triplet exciton confinement in polymeric electrophosphorescent devices. 2003 , 41, 2681-2690		119
2227	High-efficiency doped polymeric organic light-emitting diodes. 2003 , 41, 2715-2725		18
2226	Organic materials for photovoltaic and light-emitting devices. 2003 , 37, 807-815		27
2225	Iridium. 2003 , 147-246		1
2224	Structures, electronic states, and electroluminescent properties of a zinc(II) 2-(2-hydroxyphenyl)benzothiazolate complex. <i>Journal of the American Chemical Society</i> , 2003 , 125, 14816-24	16.4	276
2223	Red electrophosphorescence devices based on rhenium complexes. <i>Applied Physics Letters</i> , 2003 , 83, 365-367	3.4	70
2222	Realizing green phosphorescent light-emitting materials from rhenium(i) pyrazolato diimine complexes. 2003 , 42, 1248-55		179
2221	Energy transfer and device performance in phosphorescent dye doped polymer light emitting diodes. 2003 , 118, 2853		202
2220	High-efficiency red-light emission from polyfluorenes grafted with cyclometalated iridium complexes and charge transport moiety. <i>Journal of the American Chemical Society</i> , 2003 , 125, 636-7	16.4	408
2219	Metal Compounds as Phosphors. 2003 , 689-717		2
2218	Homoleptic cyclometalated iridium complexes with highly efficient red phosphorescence and application to organic light-emitting diode. <i>Journal of the American Chemical Society</i> , 2003 , 125, 12971-9	16.4	1124
2217	Organic light-emitting devices based on aromatic polyimide doped by electrophosphorescent material fac-tris(2-phenylpyridine) iridium. 2003 , 18, 278-283		2
2216	Blue and white organic light-emitting diodes based on 4,4'-bis(2,2'-diphenyl vinyl)-1,1'-biphenyl. 2003 , 18, L42-L44		19
2215	Novel Phosphorescent Cyclometalated Organotin(IV) and Organolead(IV) Complexes of 2,6-Bis(2'-indolyl)pyridine and 2,6-Bis[2'-(7-azaindolyl)]pyridine. 2003 , 22, 4070-4078		47
2214	Synthesis and Characterization of Metal Complexes Possessing the 5-(2-Pyridyl) Pyrazolate Ligands: The Observation of Remarkable Osmium-Induced Blue Phosphorescence in Solution at Room Temperature. 2003 , 22, 4938-4946		97
2213	Carbazole-functionalized europium complex and its high-efficiency organic electroluminescent properties. 2003 , 94, 4729-4731		69

2212	Synthesis and Properties of Highly Efficient Electroluminescent Green Phosphorescent Iridium Cored Dendrimers. 2003 , 36, 9721-9730		144
2211	Blue Luminescent Organosilicon Compounds Based on 2,2-Dipyridylaminophenyl and 2,2-Dipyridylaminobiphenyl. 2003 , 22, 321-327		15
2210	New Class of Hole-Blocking Amorphous Molecular Materials and Their Application in Blue-Violet-Emitting Fluorescent and Green-Emitting Phosphorescent Organic Electroluminescent Devices. 2003 , 15, 699-707		100
2209	Photocleavage of Pyridyl-Based Aromatic Polyureas. 2003 , 36, 9775-9783		6
2208	Blue organic electrophosphorescence using exothermic host-guest energy transfer. <i>Applied Physics Letters</i> , 2003 , 82, 2422-2424	3-4	1006
2207	A New Family of Isophorone-Based Dopants for Red Organic Electroluminescent Devices. 2003 , 15, 1486-1490	84	
2206	Advances in elevated diode technologies for integrated circuits: progress towards monolithic instruments. 2003 , 150, 235		5
2205	Inverted transparent multi-layered vacuum deposited organic light-emitting diodes with electrically doped carrier transport layers and coumarin doped emissive layer. 2003 , 138, 193-196		16
2204	Highly phosphorescence iridium complexes and their application in organic light-emitting devices. <i>Journal of the American Chemical Society</i> , 2003 , 125, 8790-7	16.4	461
2203	4 Electrical properties of organic materials. 2003 , 99, 87-125		35
2202	Extremely efficient electrochemiluminescence systems based on tris(2-phenylpyridine)iridium(III). 2003 , 3907		94
2201	Mono- and di-nuclear iridium(III) complexes. Synthesis and photophysics. 2003 , 2080-2084		85
2200	Simultaneous light emission from a mixture of dendrimer encapsulated chromophores: a model for single-layer multichromophoric organic light-emitting diodes. <i>Journal of the American Chemical Society</i> , 2003 , 125, 13165-72	16.4	184
2199	CHARGE CARRIER MOBILITY IN VACUUM-SUBLIMED DYE FILMS FOR LIGHT-EMITTING DIODES STUDIED BY THE TIME-OF-FLIGHT TECHNIQUE. <i>Molecular Crystals and Liquid Crystals</i> , 2003 , 405, 67-73	0.5	26
2198	Phosphorescent top-emitting organic light-emitting devices with improved light outcoupling. <i>Applied Physics Letters</i> , 2003 , 82, 466-468	3-4	159
2197	Realization of high-efficiency/high-luminance small-molecule organic light-emitting diodes: synergistic effects of siloxane anode functionalization/hole-injection layers, and hole/exciton-blocking/electron-transport layers. <i>Applied Physics Letters</i> , 2003 , 82, 331-333	3-4	48
2196	Highly efficient organic light-emitting devices.		
2195	Organic Materials for Photonic Devices. 2003 , 28, 354-359		63

2194	Effect of Phosphorescent Sensitizer on White Organic Light-Emitting Devices. 2003 , 20, 1607-1609		1
2193	Origin of efficient light emission from a phosphorescent polymer/organometallic guest-host system. 2003 , 68,		39
2192	White organic light-emitting devices using a phosphorescent sensitizer. <i>Applied Physics Letters</i> , 2003 , 82, 4224-4226	3-4	101
2191	Tuning the emission characteristics of top-emitting organic light-emitting devices by means of a dielectric capping layer: An experimental and theoretical study. 2003 , 94, 5290		143
2190	Organic optical bistable switch. <i>Applied Physics Letters</i> , 2003 , 82, 136-138	3-4	34
2189	Ultrahigh efficiency green polymer light-emitting diodes by nanoscale interface modification. <i>Applied Physics Letters</i> , 2003 , 83, 4695-4697	3-4	108
2188	Thin film encapsulated flexible organic electroluminescent displays. <i>Applied Physics Letters</i> , 2003 , 83, 413-415	3-4	260
2187	Triplet exciton confinement in phosphorescent polymer light-emitting diodes. <i>Applied Physics Letters</i> , 2003 , 82, 1006-1008	3-4	118
2186	Highly efficient pure blue electroluminescence from 1,4-bis[2-(3-N-ethylcarbazoyl)vinyl]benzene. <i>Applied Physics Letters</i> , 2003 , 83, 5077-5079	3-4	47
2185	Recombination of triplet excitons and polaron pairs in a derived paraphenylene vinylene pentamer. 2003 , 68,		12
2184	Organic light-emitting diode materials. 2003 ,		2
2183	Improved Quantum Efficiency of Organic Light Emitting Diodes with Gradiently Doped Double Emitting Zone. 2003 , 20, 938-941		3
2182	21.4: Thin Film Encapsulated Flexible OLED Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2003 , 34, 868	0.5	9
2181	LP-5: Late-News Poster: Plasma-CVD SiNx / Plasma-Polymerized CNx:H Multi-layer Passivation Films for Organic Light Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2003 , 34, 559 ^{0.5}		12
2180	Theoretical Analysis of the Emission Mechanism in Phosphorescent EL Devices. 2003 , 16, 315-316		8
2179	White Light Emission from Polymer Light-emitting Devices based on Blue and Red Phosphorescent Polymers. 2003 , 16, 309-314		17
2178	Electrophosphorescence from Tetrameric Copper (I)-Amide Cluster. 2003 , 32, 32-33		18
2177	Selective One-pot Synthesis of Facial Tris-ortho-metalated Iridium(III) Complexes Using Microwave Irradiation. 2003 , 32, 252-253		40

2176	Photochemicalmer->facOne-way Isomerization of Phosphorescent Material. Studies by Time-resolved Spectroscopy for Tris[2-(4,6-difluorophenyl)pyridine]iridium(III) in Solution. 2003 , 32, 886-887		48
2175	Organic Light Emitting Diodes and Photo Detectors Fabricated on a Polymeric Substrate for Flexible Optical Integrated Devices. 2003 , 769, 441		
2174	White Electrophosphorescent Devices having Multi-organic Phosphors Doped Layers. 2004 , 124, 1053-1058		
2173	High Efficiency White Electrophosphorescence Mechanism with Two Phosphorescent Dopants. 2004 , 124, 414-420		1
2172	Organic Light-Emitting Diodes. 2004 , 1-5		
2171	Fabrication and Characteristics of Increased Efficiency of Layered Polymeric Electroluminescent Diodes. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 2315-2319	1.4	8
2170	Unusual Phosphorescence Characteristics of Ir(ppy) ₃ in a Solid Matrix at Low Temperatures. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, L937-L939	1.4	49
2169	Electric Field-Induced Quenching of Photoluminescence from Ir(PPY) ₃ -Doped PVK. 2004 , 21, 1362-1365		5
2168	Triplet exciton confinement and unconfinement by adjacent hole-transport layers. 2004 , 95, 7798-7802		265
2167	Enhanced light extraction efficiency from organic light emitting diodes by insertion of a two-dimensional photonic crystal structure. 2004 , 96, 7629-7636		174
2166	Dramatic effects of hole transport layer on the efficiency of iridium-based organic light-emitting diodes. <i>Applied Physics Letters</i> , 2004 , 85, 4848-4850	3-4	33
2165	Charge carrier transport in an emissive layer of green electrophosphorescent devices. <i>Applied Physics Letters</i> , 2004 , 85, 4046-4048	3-4	61
2164	Improvement of coupling-out efficiency in organic electroluminescent devices by addition of a diffusive layer. 2004 , 96, 6016-6022		42
2163	Phosphorescence Quantum Efficiency and Intermolecular Interaction of Iridium(III) Complexes in Co-Deposited Films with Organic Semiconducting Hosts. 2004 , 846, DD4.5.1		
2162	Enhanced Red Emission from Fluorescent Organic Light-Emitting Devices Utilizing a Phosphorescent Sensitizer. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 2320-2322	1.4	3
2161	New Light Emitting Polymers and High Energy Hosts for Triplet Emission. 2004 , 846, DD7.7.1		
2160	Dependence of nitrogen incorporation of GaNAs alloys to growth conditions.		
2159	Microwave Synthesis of Iridium(III) Complexes: Synthesis of Highly Efficient Orange Emitters in Organic Light-Emitting Devices. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, 2733-2734	1.4	29

2158	Preparation and Characterization of Organic Light Emitting Devices Using QD Dopant. 2004 , 449-452, 1021-1024		1
2157	Highly efficient phosphorescent guest-host systems for hybrid inverted organic light-emitting diodes with sputtered indium-tin-oxide anodes. 2004 , 5519, 143		2
2156	Synthesis and red electrophosphorescence of a novel cyclometalated iridium complex in polymer light-emitting diodes. 2004 , 446, 128-131		20
2155	Novel iridium complex and its copolymer with N-vinyl carbazole for electroluminescent devices. 2004 , 10, 121-126		16
2154	High-efficiency white phosphorescent polymer light-emitting devices. 2004 , 10, 115-120		26
2153	Realization of polymeric optical integrated devices utilizing organic light-emitting diodes and photodetectors fabricated on a polymeric waveguide. 2004 , 10, 70-78		69
2152	Carbazole compounds as host materials for triplet emitters in organic light-emitting diodes: tuning the HOMO level without influencing the triplet energy in small molecules. <i>Journal of the American Chemical Society</i> , 2004 , 126, 6035-42	16.4	632
2151	Flexible OLED displays using plastic substrates. 2004 , 10, 107-114		175
2150	High-Efficiency White Light Emission Using a Phosphorescent Sensitizer in Organic Light-Emitting Devices. 2004 , 36, 659-664		3
2149	Evolution of Red Organic Light-Emitting Diodes: Materials and Devices. 2004 , 16, 4389-4400		687
2148	Electrochemiluminescence (ECL). 2004 , 104, 3003-36		1964
2147	Extraction of Waveguided Light by Anisotropic Scattering Polarizer in Organic Electroluminescent Devices. 2004 , 11, 370-377		3
2146	Iridium(III) and rhodium(III) cyclometalated complexes containing sulfur and selenium donor ligands. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 2401-2410	2.3	39
2145	Theoretical studies of boron(III) complexes for the new blue luminescent material. 2004 , 24, 269-273		15
2144	White organic light-emitting devices. 2004 , 36, 1193-1203		5
2143	Phosphorescence as a probe of exciton formation and energy transfer in organic light emitting diodes. 2004 , 201, 1205-1214		29
2142	Effect of hole-blocking layer doped with electron-transport molecules on the performance of blue organic light-emitting device. 2004 , 201, 2148-2153		24
2141	Di-Ethloro-bis{bis[4-(2-pyridyl)benzaldehyde- η C ₂ N η]iridium} dichloromethane sesquisolvate. 2004 , 60, m827-m829		14

2140	First Examples of Alkenyl Pyridines as Organic Ligands for Phosphorescent Iridium Complexes. 2004 , 16, 2003-2007		40
2139	Quantum-Chemical Design of Host Materials for Full-Color Triplet Emission. 2004 , 16, 1624-1629		95
2138	Enhanced Polymer Light-Emitting Diode Performance Using a Crosslinked-Network Electron-Blocking Interlayer. 2004 , 16, 1948-1953		101
2137	Effect of Substitution of Methyl Groups on the Luminescence Performance of IrIII Complexes: Preparation, Structures, Electrochemistry, Photophysical Properties and Their Applications in Organic Light-Emitting Diodes (OLEDs). 2004 , 2004, 3415-3423		154
2136	Syntheses, Structures, and Luminescent Properties of [Bis(iminoalkyl)pyridine]cadmium(II) Complexes. 2004 , 2004, 4891-4897		66
2135	Study on electrical characteristics of organic electrophosphorescent devices based on new Ir complex. 2004 , 24, 167-171		17
2134	Spin polarised electrodes for organic light emitting diodes. <i>Organic Electronics</i> , 2004 , 5, 309-314	3-5	53
2133	Electrochemiluminescence studies of the cyclometalated iridium(III) complexes with substituted 2-phenylbenzothiazole ligands. 2004 , 6, 827-831		64
2132	Electrophosphorescence from substituted poly(thiophene) doped with iridium or platinum complex. 2004 , 468, 226-233		24
2131	Color tunable phosphorescent light-emitting diodes based on iridium complexes with substituted 2-phenylbenzothiazoles as the cyclometalated ligands. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 4882-4888	2-3	79
2130	Photobleaching and single molecule detection of a phosphorescent organometallic iridium(III) complex. 2004 , 107, 51-56		4
2129	Exciton formation statistics under electrical injection in organic semiconductor thin films. 2004 , 110, 378-383		9
2128	Solvo-thermal synthesis of crystalline dinickel phosphide. 2004 , 260, 115-117		8
2127	Synthesis and characterization of cyclometalated Ir(III) complexes with pyrazolyl ancillary ligands. 2004 , 23, 419-428		135
2126	Near infra-red luminescence from bis-terpyridyl iridium(III) complexes incorporating electron-rich pendants. 2004 , 23, 2769-2777		41
2125	Efficient low-molecule phosphorescent organic light-emitting diodes fabricated by wet-processing. <i>Organic Electronics</i> , 2004 , 5, 265-270	3-5	32
2124	Energy transfer in a ladder-type methyl-poly(para-phenylene) doped by Pt(II)octaethylporphyrin. 2004 , 299, 11-16		24
2123	Red electroluminescence from transparent PVK-dye films based on dipyrido[3,2-a:2',3'-c]phenazine and Re(CO) ₃ Cl-dipyrido[3,2-a:2',3'-c]phenazine dyes. 2004 , 383, 292-296		44

2122	Rapid intersystem crossing in highly phosphorescent iridium complexes. 2004 , 386, 437-441		135
2121	Molecular hosts for triplet emission in light emitting diodes: A quantum-chemical study. 2004 , 392, 521-528		48
2120	Energy-transfer and light-emission mechanism of blue phosphorescent molecules in guest-host systems. 2004 , 400, 86-89		88
2119	Chemical states and electronic properties of the interface between aluminium and a photoluminescent conjugated copolymer containing europium complex. 2004 , 222, 399-408		8
2118	a-Si:H TFT phosphorescent OLED active matrix pixels fabricated on polymeric substrates.		2
2117	Charge transport in highly efficient iridium cored electrophosphorescent dendrimers. 2004 , 95, 438-445		66
2116	Multicolored Electrogenerated Chemiluminescence from Ortho-Metalated Iridium(III) Systems. 2004 , 76, 73-77		104
2115	Comparative Study on Tetrahedral and Tripodal Luminescent Silane and Methane Compounds with a 2,2-Dipyridylamino Group. 2004 , 23, 5958-5966		16
2114	High-efficiency and low-voltage p-i-n electrophosphorescent organic light-emitting diodes with double-emission layers. <i>Applied Physics Letters</i> , 2004 , 85, 3911-3913	3-4	552
2113	Highly Phosphorescent Bis-Cyclometalated Iridium Complexes Containing Benzoimidazole-Based Ligands. 2004 , 16, 2480-2488		272
2112	Very high-efficiency and low voltage phosphorescent organic light-emitting diodes based on a p-i-n junction. 2004 , 95, 5773-5777		157
2111	High-efficiency and low-voltage p-i-n electrophosphorescent OLEDs with double-doping emission layers. 2004 ,		4
2110	High-Efficiency Organic Electrophosphorescent Diodes Using 1,3,5-Triazine Electron Transport Materials. 2004 , 16, 1285-1291		204
2109	Platinum-functionalized random copolymers for use in solution-processible, efficient, near-white organic light-emitting diodes. <i>Journal of the American Chemical Society</i> , 2004 , 126, 15388-9	16.4	263
2108	Diastereoselective formation of chiral tris-cyclometalated iridium (III) complexes: characterization and photophysical properties. <i>Journal of the American Chemical Society</i> , 2004 , 126, 9339-48	16.4	160
2107	Tuning of Wavelengths: Synthesis and Photophysical Studies of Iridium Complexes and Their Applications in Organic Light Emitting Devices. 2004 , 16, 111-117		190
2106	Highly efficient electrophosphorescence devices based on rhenium complexes. <i>Applied Physics Letters</i> , 2004 , 84, 148-150	3-4	63
2105	5.2: A High Efficiency Phosphorescent White OLED for LCD Backlight and Display Applications. <i>Digest of Technical Papers SID International Symposium</i> , 2004 , 35, 48	0.5	23

2104	Cationic Cyclometalated Iridium Luminophores: Photophysical, Redox, and Structural Characterization. 2004 , 23, 5856-5863		157
2103	Carbazole compounds as host materials for triplet emitters in organic light-emitting diodes: polymer hosts for high-efficiency light-emitting diodes. <i>Journal of the American Chemical Society</i> , 2004 , 126, 7718-27	16.4	382
2102	Polymer electrophosphorescence devices with high power conversion efficiencies. <i>Applied Physics Letters</i> , 2004 , 84, 2476-2478	3.4	133
2101	High-efficiency phosphorescent-guest-polymeric-host organic light-emitting diodes. 2004 , 143, 75-79		6
2100	Highly efficient organic electroluminescent devices based on cyclometallated platinum complexes as new phosphorescent emitters. 2004 , 147, 253-256		23
2099	Highly efficient energy transfer to a novel organic dye in OLED devices. 2004 , 146, 11-15		108
2098	Electron Transport Materials for Organic Light-Emitting Diodes. 2004 , 16, 4556-4573		1392
2097	Triplet Emitters for OLED Applications. Mechanisms of Exciton Trapping and Control of Emission Properties. 1-26		390
2096	23.3: Distinguished Paper: Red-Phosphorescent OLEDs Employing Bis(8-Quinolinolato)-Phenolato-Aluminum(III) Complexes as Emission-Layer Hosts. <i>Digest of Technical Papers SID International Symposium</i> , 2004 , 35, 900	0.5	21
2095	11.2: Novel Fluorene-Based Blue Emitters for High Performance OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2004 , 35, 150	0.5	24
2094	17.5L: Late-News Paper: Novel Host Materials for Efficient and Stable Phosphorescent OLED Devices. <i>Digest of Technical Papers SID International Symposium</i> , 2004 , 35, 796	0.5	5
2093	Synthesis and Properties of 9,9'-Diaryl-4,5-diazafluorenes. A New Type of Electron-Transporting and Hole-Blocking Material in EL Device. 2004 , 33, 276-277		29
2092	Fabrication process and device characteristics of multi-layered polymer light-emitting diodes. 2004 , 17, 319-322		5
2091	22.4: Progress of Red Phosphorescent Dendrimer OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2005 , 36, 1071	0.5	2
2090	22.2: Novel Triplet Host Materials: High Performance Made Easy. <i>Digest of Technical Papers SID International Symposium</i> , 2005 , 36, 1062	0.5	5
2089	P-132: Long-Lived Deeply Red Phosphorescent OLEDs Based on Electrochemically Stable Ir Complexes. <i>Digest of Technical Papers SID International Symposium</i> , 2005 , 36, 806	0.5	4
2088	High-Efficiency Phosphorescent OLEDs using Chemically Doped Layers. 2005 , 18, 83-86		26
2087	Polymer Electrophosphorescence Devices. 2005 , 333-367		10

2086	Photoluminescence and Electroluminescence of 9,10-Bis(silylethynyl)anthracene. 2005 , 18, 65-68		14
2085	Phosphorescence Decay Mechanism of Ir(ppy) ₃ in a Solid Matrix. 2005 , 18, 47-50		
2084	Self-Alignment Technologies of Organic Electronic Devices and Its Integrated Panels. 2005 , 18, 79-82		4
2083	P-141: High-Efficiency and Long Lifetime Electrophosphorescent Organic Light-Emitting Diodes with Improved Hole-Electron Balance by using Alternate Multilayer Structures. <i>Digest of Technical Papers SID International Symposium</i> , 2005 , 36, 838	0.5	1
2082	67.2: Invited Paper: High-Efficiency Phosphorescent Polymer LEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2005 , 36, 1866	0.5	
2081	Highly branched phosphorescent dendrimers. 2005 ,		
2080	Synthesis and Carrier-transporting Properties of 5,10-Dihydro-5,5-dimethyl-10,10-diphenyl-1,9-diazasilanthrene. 2005 , 34, 1698-1699		1
2079	Bright and ultimately pure red electrophosphorescent diode bearing diphenylquinoxaline. 2005 , 2, 260-266		15
2078	Crystal Structure of Iridium(III) Bis(2-(p-biphenyl)quinolyl-N,C2')acetylacetonate, (bpq) ₂ Ir(acac). 2005 , 21, X185-X186		1
2077	Electrogenerated chemiluminescence of the platinum (II) octaethylporphyrin/tri-n-propylamine system. 2005 , 358, 2141-2145		19
2076	Electrophosphorescent divalent osmium and ruthenium complexes: A density functional theory investigation of their electronic and spectroscopic properties. 2005 , 717, 179-187		24
2075	Theoretical investigation of carbazole derivatives as hole-transporting materials in OLEDs. 2005 , 725, 89-95		28
2074	Narrow bandwidth red electroluminescence from solution-processed lanthanide-doped polymer thin films. 2005 , 491, 264-269		47
2073	Luminescence mechanisms of green and blue organic light-emitting devices utilizing hole-blocking layers. 2005 , 134, 367-372		6
2072	Effect of thin LiF layers in multi-layered PVCz polymer LEDs. 2005 , 5, 27-30		4
2071	Organic electrophosphorescent devices with mixed hole transport material as emission layer. 2005 , 5, 305-308		40
2070	Polymer based blue electrophosphorescent light emitting devices. 2005 , 5, 309-313		13
2069	Electroplex emission from a blend of poly(N-vinylcarbazole) and 2,9-dimethyl-4,7-diphenyl-1,10-phenanthroline. 2005 , 41, 1020-1023		26

2068	Excimer and electron transfer quenching studies of a cyclometalated platinum complex. 2005 , 249, 1501-1510	194
2067	Absorption and emission spectroscopic characterization of Ir(ppy) ₃ . 2005 , 308, 93-102	115
2066	Luminescent complexes of iridium(III) with 6?-phenyl-2,2?-bipyridine and 4?-aryl derivatives: N^C versus N^N coordination. 2005 , 8, 1326-1335	20
2065	Blue-to-green electrophosphorescence of iridium-based cyclometallated materials. 2005 , 4708-10	93
2064	The potential of palladacycles: more than just precatalysts. 2005 , 105, 2527-71	1171
2063	Observation of phosphorescence from tris(8-hydroxyquinoline) aluminum thin films using triplet energy transfer from iridium complexes. 2005 , 71,	27
2062	Luminescent Iridium(III)-Terpyridine Complexes [Interplay of Ligand Centred and Charge Transfer States. 2005 , 2005, 1312-1318	48
2061	Cyclometalated Ruthenium Compounds Containing 2-(2?-Pyridyl)- 4-methylphenyl and Benzo[h]quinolyl Ligands. 2005 , 2005, 4780-4787	28
2060	Oligothiophenes incorporating metal-metal quadruple bonds. 2005 , 44, 6537-40	37
2059	Synthesis and characterization of phosphorescent cyclometalated iridium complexes containing 2,5-diphenylpyridine based ligands. 2005 , 19, 1225-1231	20
2058	Oligothiophenes Incorporating Metal-Metal Quadruple Bonds. 2005 , 117, 6695-6698	4
2057	Doping-Induced Charge Trapping in Organic Light-Emitting Devices. 2005 , 15, 323-330	72
2056	Yellow and Red Electrophosphors Based on Linkage Isomers of Phenylisoquinolinyliridium Complexes: Distinct Differences in Photophysical and Electroluminescence Properties. 2005 , 15, 387-395	141
2055	Electrophosphorescent Devices Based on Cationic Complexes: Control of Switch-on Voltage and Efficiency Through Modification of Charge Injection and Charge Transport. 2005 , 15, 281-289	116
2054	A Light-Blue Phosphorescent Dendrimer for Efficient Solution-Processed Light-Emitting Diodes. 2005 , 15, 1451-1458	128
2053	New Trends in the Use of Transition Metal-Ligand Complexes for Applications in Electroluminescent Devices. 2005 , 17, 1109-1121	671
2052	New Dopant and Host Materials for Blue-Light-Emitting Phosphorescent Organic Electroluminescent Devices. 2005 , 17, 285-289	633
2051	Encapsulated Cores: Host-Free Organic Light-Emitting Diodes Based on Solution-Processible Electrophosphorescent Dendrimers. 2005 , 17, 1945-1948	139

2050	Macrocyclic and Acyclic Bis(2,5-diphenyl-1,3,4-oxadiazole)s with Electron-Transporting and Hole-Blocking Ability in Organic Electroluminescent Devices. 2005 , 206, 1576-1582		9
2049	Novel Hole-Transport Material for Efficient Polymer Light-Emitting Diodes by Photoreaction. 2005 , 26, 597-601		44
2048	Polycarbazoles: 25 Years of Progress. 2005 , 26, 761-778		559
2047	Characterization of some synthetic Ru and Ir complexes by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. 2005 , 40, 654-60		17
2046	Energy transfer in a thin film of TPD fluorescent molecules doped with PtOEP and Ir(ppy) ₃ phosphorescent molecules. 2005 , 81, 93-99		11
2045	Efficient Electroluminescence from a Quinacridone sub-monolayer inserted in a narrow exciton formation zone confined by a blocking layer. 2005 , 37, 433-439		1
2044	. 2005 ,		165
2043	Photochemically induced emission tuning of conductive polymers used in OLEDs. 2005 , 10, 285-288		1
2042	High-efficiency solution processed electrophosphorescent organic light emitting diodes based on a simple bi-layer device architecture. 2005 , 5937, 56		2
2041	A Novel Efficient Blue Organic Light Emitting Structure. 2005 , 475-479, 3677-3680		2
2040	Synthesis of Phosphorescent Platinum Complexes with 3-Aryl Pyridazine as Prominent Emitting Materials in Organic Light-Emitting Device. 2005 , 277-279, 1006-1010		
2039	Active Matrix Driving Organic Light-Emitting Diode Panel Using Organic Thin-Film Transistors. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 3678-3681	1.4	27
2038	Sprayed Organic Electrophosphorescent Devices with Small Organic Molecules. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 626-629	1.4	10
2037	Enhanced Luminance Efficiency of Organic Light-Emitting Diodes with Two-Dimensional Photonic Crystals. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 2844-2848	1.4	25
2036	Temperature Dependence of Photoluminescence Lifetime and Quantum Efficiency in Neatfac-Ir(ppy) ₃ Thin Films. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 1966-1969	1.4	28
2035	Highly Efficient Electrophosphorescence from a Grafted Biscyclometalated Iridium Complex with Triarylamine Unit in Polymer Light-Emitting Devices. 2005 , 22, 1793-1796		8
2034	High-efficiency electrophosphorescent white organic light-emitting devices with a double-doped emissive layer. 2005 , 20, 326-329		19
2033	Phosphorescence response to excitonic interactions in Ir organic complex-based electrophosphorescent emitters. 2005 , 98, 063532		33

2032	Electrical conduction and EL mechanism of organic light-emitting diodes with hole-blocking layer. 2005,		
2031	White organic light-emitting diode comprising of blue fluorescence and red phosphorescence. <i>Applied Physics Letters</i> , 2005 , 86, 113507	3-4	83
2030	100% phosphorescence quantum efficiency of Ir(III) complexes in organic semiconductor films. <i>Applied Physics Letters</i> , 2005 , 86, 071104	3-4	623
2029	Efficient organic light-emitting diodes with phosphorescent platinum complexes containing N?C?N-coordinating tridentate ligand. <i>Applied Physics Letters</i> , 2005 , 86, 153505	3-4	76
2028	White polymeric light-emitting diode based on a fluorene polymerIr complex blend system. <i>Applied Physics Letters</i> , 2005 , 86, 121101	3-4	127
2027	A comparative study of optical properties of poly(9,9-dioctylfluorene) and poly(p-phenylenevinylene) oligomers. 2005 , 97, 103513		13
2026	Enhancement of iridium-based organic light-emitting diodes by spatial doping of the hole transport layer. <i>Applied Physics Letters</i> , 2005 , 87, 193501	3-4	9
2025	White organic light-emitting devices based on 4,4?-bis(2,2?-diphenyl vinyl)-1,1?-biphenyl and phosphorescence sensitized 5,6,11,12-tetraphenylnaphthacene. <i>Applied Physics Letters</i> , 2005 , 86, 011112	3-4	39
2024	Color Tuning Dopants for Electrophosphorescent Devices: Efficient Blue Phosphorescence Pyrrazole and Carbene Complexes.		
2023	Red Phosphorescent Organic Light-Emitting Diodes Using Mixture System of Small-Molecule and Polymer Host. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 2790-2794	1-4	14
2022	Semitransparent Organic Photodetectors Utilizing Sputter-Deposited Indium Tin Oxide for Top Contact Electrode. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 2815-2817	1-4	13
2021	Highly Efficient Multifunctional Phosphorescent Dendrimers Consisting of an Iridium-Complex Core and Charge-Transporting Dendrons for Organic Light-Emitting Devices. 2005 , 871, 1		1
2020	A novel class of phosphorescent gold(III) alkynyl-based organic light-emitting devices with tunable colour. 2005 , 2906-8		140
2019	Syntheses, Structural Characterization, and First Electroluminescent Properties of Mono-cyclometalated Platinum(II) Complexes with Greater than Classical [Stacking and PtPt Distances] 2005 , 24, 619-627		97
2018	Green electroluminescence from an ionic iridium complex. <i>Applied Physics Letters</i> , 2005 , 86, 173506	3-4	116
2017	Lost Hole-Blocking Property of Blue-Emitting Alq by Inserting Detached Layer. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 6772-6775	1-4	2
2016	Oligo(fluorenyl)pyridine ligands and their tris-cyclometalated iridium(III) complexes: synthesis, photophysical properties and electrophosphorescent devices. 2005 , 15, 4963		42
2015	Bi-substituted Effect on Phenylisoquinoline Iridium(III) Complexes. 2005 , 24, 6230-6238		28

2014	Novel eta1-N,eta2-C,C-binding mode between pyridinyl-functionalized cyclopentadienyl ligands and iridium. 2005 , 44, 6244-7		8
2013	Nonconjugated hybrid of carbazole and fluorene: a novel host material for highly efficient green and red phosphorescent OLEDs. 2005 , 7, 5361-4		148
2012	Substituent effects of iridium complexes for highly efficient red OLEDs. 2005 , 1583-90		180
2011	Highly efficient red-electrophosphorescent devices based on polyfluorene copolymers containing charge-transporting pendant units. 2005 , 109, 14000-5		46
2010	Excited states of phosphorescent platinum(II) complexes containing N wedge C wedge N-coordinating tridentate ligands: spectroscopic investigations and time-dependent density functional theory calculations. 2005 , 109, 9760-6		44
2009	Spiro-configured bifluorenes: highly efficient emitter for UV organic light-emitting device and host material for red electrophosphorescence. 2005 , 7, 5131-4		105
2008	Investigating the Effect of Steric Crowding in Phosphorescent Dendrimers. 2005 , 38, 9564-9570		43
2007	Organic Light-Emitting Diodes Using Multifunctional Phosphorescent Dendrimers with Iridium-Complex Core and Charge-Transporting Dendrons. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 4151-4154	1.4	51
2006	Aminonaphthalic anhydrides as red-emitting materials: electroluminescence, crystal structure, and photophysical properties. 2005 , 109, 5509-17		38
2005	Electroluminescence-detected magnetic resonance studies of Pt octaethyl porphyrin-based phosphorescent organic light-emitting devices. 2005 , 71,		18
2004	Green photoluminescence from platinum(II) complexes bearing silylacetylide ligands. 2005 , 44, 471-3		77
2003	Photo- and electroactive amorphous molecular materials—molecular design, syntheses, reactions, properties, and applications. 2005 , 15, 75-93		840
2002	Blue luminescent zinc(II) complexes of 2,6-bis[1-(2,6-diisopropylphenylimino)ethyl]pyridine and 2,6-bis[1-(2,6-dimethylphenylimino)ethyl]pyridine. 2005 , 149, 135-141		17
2001	Vertical type organic light emitting device using thin-film ZnO electrode. 2005 , 154, 149-152		13
2000	New Phosphorescent ppy-based Iridium Complexes Containing Electron-withdrawing Groups. 2005 , 154, 157-160		19
1999	Luminescent iridium(III) complexes with mixed 2-phenylpyridinato-C2, N and dithionate ligands for dopant emitter in OLEDs. 2005 , 152, 225-228		15
1998	Highly efficient phosphorescent bis-cyclometalated iridium complexes based on quinoline ligands. 2005 , 155, 539-548		64
1997	An Organic Electronics Primer. 2005 , 58, 53-58		316

1996	Blue and near-UV phosphorescence from iridium complexes with cyclometalated pyrazolyl or N-heterocyclic carbene ligands. 2005 , 44, 7992-8003		573
1995	Introduction. 2005 , 13, 405		3
1994	Introduction. 2005 , 13, 117		8
1993	Efficient and bright blue-emitting phosphorescent materials. 2005 , 13, 857-862		9
1992	Efficient upconversion fluorescence in a blue-emitting spirobifluorene-anthracene copolymer doped with low concentrations of Pt(II)octaethylporphyrin. 2005 , 123, 074902		64
1991	Red Electrophosphorescence of Conjugated Organoplatinum(II) Polymers Prepared via Direct Metalation of Poly(fluorene-co-tetraphenylporphyrin) Copolymers. 2005 , 24, 4509-4518		42
1990	Structures, electronic states, photoluminescence, and carrier transport properties of 1,1-disubstituted 2,3,4,5-tetraphenylsiloles. <i>Journal of the American Chemical Society</i> , 2005 , 127, 6335-46 ^{16.4}		458
1989	New 9-fluorene-type trispirocyclic compounds for thermally stable hole transport materials in OLEDs. 2005 , 15, 2393		86
1988	Color Tuning of Cyclometalated Iridium Complexes through Modification of Phenylpyrazole Derivatives and Ancillary Ligand Based on ab Initio Calculations. 2005 , 24, 1578-1585		131
1987	Thermal transport properties of thin films of small molecule organic semiconductors. <i>Applied Physics Letters</i> , 2005 , 87, 241908	3-4	54
1986	New phosphorescent polynuclear Cu(I) compounds based on linear and star-shaped 2-(2'-pyridyl)benzimidazolyl derivatives: syntheses, structures, luminescence, and electroluminescence. 2005 , 44, 5706-12		133
1985	Blue luminescent 2-(2'-pyridyl)benzimidazole derivative ligands and their orange luminescent mononuclear and polynuclear organoplatinum(II) complexes. 2005 , 44, 1332-43		94
1984	Highly efficient polymer light-emitting devices using ambipolar phosphorescent polymers. <i>Applied Physics Letters</i> , 2005 , 86, 103507	3-4	115
1983	High-performance hole-transport layers for polymer light-emitting diodes. Implementation of organosiloxane cross-linking chemistry in polymeric electroluminescent devices. <i>Journal of the American Chemical Society</i> , 2005 , 127, 3172-83	16.4	273
1982	InGaAs/GaAs QD superlattices: MOVPE growth, structural and optical characterization, and application in intermediate-band solar cells.		10
1981	Anomalous green emission and energy transfer in the n,n-dimethylformamide/hydrochloric acid/europium chloride system. 2005 , 109, 2459-64		2
1980	Increased electrophosphorescent efficiency in organic light emitting diodes by using an exciton-collecting structure. 2005 , 97, 044505		30
1979	Iridium(III) complexes with orthometalated quinoxaline ligands: subtle tuning of emission to the saturated red color. 2005 , 44, 1344-53		262

1978	Synthesis, Characterization, and Photophysical Properties of Iridium Complexes with an 8-Phenylquinoline Framework. The First Six-Membered Chelated Iridium Complexes for Electroluminescence. 2005 , 24, 1329-1335		64
1977	Synthetic control of excited-state properties in cyclometalated Ir(III) complexes using ancillary ligands. 2005 , 44, 1713-27		606
1976	Förster and Dexter energy-transfer processes in fluorescent BAQ thin films doped with phosphorescent Ir(ppy) ₃ molecules. 2006 , 99, 073501		43
1975	Blue Phosphorescence from Iridium(III) Complexes at Room Temperature. 2006 , 18, 5119-5129		212
1974	Efficient green-blue-light-emitting cationic iridium complex for light-emitting electrochemical cells. 2006 , 45, 9245-50		183
1973	Triplet exciton energy transfer in polyfluorene doped with heavy metal complexes studied using photoluminescence and photoinduced absorption. 2006 , 74,		17
1972	Silicon-containing dendritic tris-cyclometalated Ir(III) complex and its electrophosphorescence in a polymer host. 2006 , 16, 4706		52
1971	High mobility nanocrystalline silicon transistors on clear plastic substrates. 2006 , 27, 49-51		27
1970	Photoluminescence and electroluminescence of a new blue-emitting homoleptic iridium complex. <i>Applied Physics Letters</i> , 2006 , 88, 093510	3-4	36
1969	Efficient organic light-emitting devices using an iridium complex as a phosphorescent host and a platinum complex as a red phosphorescent guest. <i>Applied Physics Letters</i> , 2006 , 88, 243511	3-4	26
1968	Novel fluorine-containing X-branched oligophenylenes: structure-hole blocking property relationships. 2006 , 16, 765-772		10
1967	Polymer-Based Tris(2-phenylpyridine)iridium Complexes. 2006 , 39, 3140-3146		57
1966	Characteristics of Polymer Light Emitting Diode Using a Phosphorescent Terpolymer Containing Perylene, Triazine and Ir(ppy) ₃ Moieties in the Polymer Side Chain. <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 458, 227-235	0.5	1
1965	Introduction. 2006 , 14, 1063		4
1964	White-electrophosphorescent devices based on copper complexes using 2-(4-biphenyl)-5-(4-tert-butyl-phenyl)-1,3,4-oxadiazole as chromaticity-tuning layer. <i>Applied Physics Letters</i> , 2006 , 88, 213508	3-4	32
1963	Highly efficient organic light-emitting diodes with metal/fullerene anode. 2006 , 100, 074504		23
1962	Blue emitting iridium complexes: synthesis, photophysics and phosphorescent devices. 2006 , 16, 1161		207
1961	Highly efficient solution processed blue organic electrophosphorescence with 14lm/W luminous efficacy. <i>Applied Physics Letters</i> , 2006 , 88, 243512	3-4	97

1960	Relativistic study on emission mechanism in palladium and platinum complexes. 2006 , 110, 13295-302	25
1959	Narrow-line and broadband spectra of iridium(III) complexes in a Shpol'skii matrix and an amorphous host. 2006 , 110, 9828-38	17
1958	Substituent effect on the luminescent properties of a series of deep blue emitting mixed ligand Ir(III) complexes. 2006 , 110, 10303-14	66
1957	Theoretical Studies on Photophysical Properties and Mechanism of Phosphorescence in [fac-Ir(2-phenylpyridine) ₃]. 2006 , 53, 101-112	140
1956	Living Radical Polymerization of Bipolar Transport Materials for Highly Efficient Light Emitting Diodes. 2006 , 18, 386-395	130
1955	Theoretical studies of phosphorescence spectra of tris(2,2'-bipyridine) transition metal compounds. 2006 , 45, 6161-78	94
1954	Luminescent complexes of iridium(III) containing N/C/N-coordinating terdentate ligands. 2006 , 45, 8685-99	123
1953	Phosphorescent platinum(II) complexes derived from multifunctional chromophores: synthesis, structures, photophysics, and electroluminescence. 2006 , 45, 10922-37	203
1952	Anomalous room temperature magnetoresistance in organic semiconductors. 2006 , 156, 757-761	281
1951	. 2006 ,	47
1950	Optical Property of Rare Earth Chelate Doped DNA-Lipid Complex. 2006 , 63, 641-644	
1949	Organic Blue Electrophorescence Using a Cyclic Siloxane Compound as a Host Material. 2006 , 63, 686-690	
1948	Blue Electrophosphorescent Light-emitting Device Using a Novel Nonconjugated Polymer as Host Materials. 2006 , 35, 404-405	12
1947	Tuning the Emission Color of Heavy Metal Complexes by Altering the Ligation of Metal with Carbon of Carbazole Unit. 2006 , 35, 72-73	7
1946	Organic photonic devices utilizing nano-structured materials. 2006 ,	
1945	Unusual Terpyridines as Ligands for Novel Light-Emitting Iridium(III) Complexes: Synthesis and Characterization. 2006 , 59, 773	16
1944	29.1: 200 cd/A Microcavity Two-Unit Tandem Organic Light-Emitting Devices. <i>Digest of Technical Papers SID International Symposium</i> , 2006 , 37, 1284	0.5
1943	Electroluminescence of Phenothiazine-Labeled Dendrimer Encapsulated 2-{2-[2-(4-Dimethylamino-phenyl)-vinyl]-6-methyl-pyran-4-ylidene}-Malononitrile Derivative: Effect of the Density of Phenothiazine Dendron. 2006 , 245-246, 423-429	

1942	5.3: New Triazole Derivatives as Hole-Blocking and Electron-Transporting Materials for Organic Light-Emitting Devices. <i>Digest of Technical Papers SID International Symposium</i> , 2006 , 37, 45	0.5
1941	Effect of Organic Alloy for Suppression of Polycrystallization in BCP Thin Film. 2006 , 19, 209-214	24
1940	Spin-relaxation Process of Excited Triplet States of Ir(ppy) ₃ . 2006 , 19, 181-186	2
1939	Solution-processed Small Organic Electrophosphorescent Devices with Arylamine Polymer Buffer Layer. 2006 , 19, 177-180	2
1938	Syntheses and Application of Novel Blue Phosphorescent Iridium Complexes to OLEDs. 2006 , 19, 663-667	6
1937	High-efficiency, electrophosphorescent polymers with porphyrin-platinum complexes in the conjugated backbone: Synthesis and device performance. 2006 , 44, 4174-4186	29
1936	Exploring 9-arylcarbazole moiety as the building block for the synthesis of photoluminescent group 10 ^{II} heavy metal diynes and polyynes with high-energy triplet states. 2006 , 44, 5588-5607	25
1935	Optimization of opto-electronic property and device efficiency of polyfluorenes by tuning structure and morphology. 2006 , 55, 473-490	100
1934	Structurally integrated organic light emitting device-based sensors for gas phase and dissolved oxygen. 2006 , 568, 190-9	48
1933	Converting polycrystals into single crystals [Selective grain growth by high-energy ion bombardment. 2006 , 54, 5393-5399	24
1932	Coordination complexes exhibiting room-temperature phosphorescence: Evaluation of their suitability as triplet emitters in organic light emitting diodes. 2006 , 250, 2093-2126	955
1931	Absorption and emission spectroscopic characterization of platinum-octaethyl-porphyrin (PtOEP). 2006 , 330, 118-129	133
1930	High efficiency red electrophosphorescent polymer light-emitting diode. 2006 , 418, 50-53	17
1929	Theoretical study on characteristics of structure and vibrational frequency of spiro-linked complex Zn(PyIm) ₂ (PyIm = 2(2?-pyridine)-imidazole) in excited state. 2006 , 418, 302-306	5
1928	Highly efficient polymer light-emitting diodes using color-tunable carbazole-based iridium complexes. 2006 , 422, 386-390	47
1927	Photoluminescence of CdSe/ZnS core/shell quantum dots enhanced by energy transfer from a phosphorescent donor. 2006 , 424, 120-125	89
1926	Ionic luminescent cyclometalated Ir(III) complexes with polypyridine co-ligands. 2006 , 359, 1666-1672	31
1925	The synthesis and properties of iridium cored dendrimers with carbazole dendrons. <i>Organic Electronics</i> , 2006 , 7, 85-98	3.5 44

1924	Graft and characterization of 9-vinylcarbazole conjugated molecule on hydrogen-terminated silicon surface. 2006 , 253, 1534-1539		4
1923	Bathochromic effect of trifluoromethyl-substituted 2-naphthalen-1-yl-pyridine ligands in color tuning of iridium complexes. 2006 , 25, 2407-2414		17
1922	Synthesis, spectroscopy, structures and photophysics of metal alkynyl complexes and polymers containing functionalized carbazole spacers. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 4028-4041	2-3	33
1921	Highly efficient iridium(III) complexes with diphenylquinoline ligands for organic light-emitting diodes: Synthesis and effect of fluorinated substitutes on electrochemistry, photophysics and electroluminescence. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 4312-4319	2-3	44
1920	Highly efficient red electrophosphorescent device based on a new iridium complex with trifluoromethyl-substituted 2-benzo[b]thiophen-2-yl-pyridine ligand. 2006 , 28, 1025-1028		13
1919	Exciton quenching in highly efficient europium-complex based organic light-emitting diodes. <i>Organic Electronics</i> , 2006 , 7, 29-37	3-5	60
1918	Reduced geminate recombination in iridium-based electrophosphorescent materials. <i>Organic Electronics</i> , 2006 , 7, 163-172	3-5	15
1917	Transient analysis of triplet exciton dynamics in amorphous organic semiconductor thin films. <i>Organic Electronics</i> , 2006 , 7, 375-386	3-5	74
1916	5-Aryl-2,2'-bipyridines as tunable fluorophores. 2006 , 47, 7025-7029		37
1915	Organic transistors with indium tin oxide electrodes for driving organic light emitting diode. 2006 , 499, 415-419		13
1914	Photoluminescence properties of facial- and meridional-Ir(ppy) ₃ thin films. 2006 , 509, 164-167		16
1913	Optical and electroluminescent properties of a new Ir(III) complex □ fac-tris[2,5-di(4-methoxyphenyl)pyridinato-C,N]iridium(III). 2006 , 497, 239-242		6
1912	Structure and properties of a novel yellow emitting material for organic light-emitting diodes. 2006 , 515, 2403-2409		8
1911	Functionalization of polymers with phosphorescent iridium complexes via click chemistry. 2006 , 3933-5		87
1910	Tuning the saturated red emission: synthesis, electrochemistry and photophysics of 2-arylquinoline based iridium(III) complexes and their application in OLEDs. 2006 , 16, 3332		66
1909	Molecularly doped polymeric network nanolayers for organic light-emitting devices. 2006 , 14, 401-403		11
1908	Colours from electroactive polymers: Electrochromic, electroluminescent and laser devices based on organic materials. 2006 , 38, 292-305		84
1907	Red fluorescent materials based on naphthylamine for non-doping OLEDs. 2006 , 29, 348-354		18

1906	Effects of parylene buffer layer on flexible substrate in organic light emitting diode. 2006 , 513, 258-263		37
1905	Novel dendritic light-emitting materials containing polyhedral oligomeric silsesquioxanes core. 2006 , 514, 103-109		33
1904	Silylene-spaced diphenylanthracene derivatives as blue-emitting materials. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 1887-1896	2.3	19
1903	pi-Conjugated chelating polymers with charged iridium complexes in the backbones: synthesis, characterization, energy transfer, and electrochemical properties. 2006 , 12, 4351-61		124
1902	Ir-catalyzed borylation of C-H bonds in N-containing heterocycles: regioselectivity in the synthesis of heteroaryl boronate esters. 2006 , 45, 489-91		186
1901	Multifunctional iridium complexes based on carbazole modules as highly efficient electrophosphores. 2006 , 45, 7800-3		193
1900	Synthesis and Electroluminescence Properties of fac-Tris(2-phenylpyridine)iridium Derivatives Containing Hole-Trapping Moieties. 2006 , 2006, 3676-3683		57
1899	Ir-Catalyzed Borylation of C-H Bonds in N-Containing Heterocycles: Regioselectivity in the Synthesis of Heteroaryl Boronate Esters. 2006 , 118, 503-505		64
1898	Multifunctional Iridium Complexes Based on Carbazole Modules as Highly Efficient Electrophosphors. 2006 , 118, 7964-7967		19
1897	Enhancement of External Quantum Efficiency of Red Phosphorescent Organic Light-Emitting Devices with Facially Encumbered and Bulky PtII Porphyrin Complexes. 2006 , 16, 515-519		51
1896	Starburst DCM-Type Red-Light-Emitting Materials for Electroluminescence Applications. 2006 , 16, 709-718		90
1895	Highly Efficient Green-Emitting Phosphorescent Iridium Dendrimers Based on Carbazole Dendrons. 2006 , 16, 575-581		289
1894	Efficient Polymer Electrophosphorescent Devices with Interfacial Layers. 2006 , 16, 2156-2162		60
1893	Dopant Effect on the Charge Injection, Transport, and Device Efficiency of an Electrophosphorescent Polymeric Light-Emitting Device. 2006 , 16, 2231-2242		70
1892	Platinum Binuclear Complexes as Phosphorescent Dopants for Monochromatic and White Organic Light-Emitting Diodes. 2006 , 16, 2438-2446		186
1891	Highly Efficient Polymeric Electrophosphorescent Diodes. 2006 , 18, 948-954		309
1890	Charge Carrier Transport in Red Electrophosphorescent Emitting Layer. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 5966-5969	1.4	14
1889	Novel Electron-Transporting Carbazolylphenylquinolines for Phosphorescent Organic Light-Emitting Diodes. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 9228-9230	1.4	3

1888	Highly efficient multilayer organic pure blue light emitting diodes with substituted carbazoles compounds in the emitting layer. 2006 , 39, 917-922		21
1887	Femtosecond ground state recovery: measuring the intersystem crossing yield of polyspirobifluorene. 2006 , 124, 234903		22
1886	The effect of delocalization on the exchange energy in meta- and para-linked Pt-containing carbazole polymers and monomers. 2006 , 124, 244701		13
1885	Polymer Light-Emitting Diode Using a New Electrophosphorescent Cyclometalated Iridium Complex. 2006 , 21, 285-289		5
1884	White Organic Light-Emitting Diodes Based on Three Emissive Layers. <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 462, 233-239	0.5	
1883	Optimization of the Organic Lightemitting Diodes with a Red Phosphor. <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 462, 169-177	0.5	
1882	Chapter 1 Nanotechnology and nanomaterials. 2006 , 1-69		15
1881	High-Performance Hole-Transport Polyurethanes for Light-Emitting Diodes Applications. 2006 , 18, 4121-4129	20	
1880	Synthesis and Spectral Properties of Tris(Terphenylpyridine)Iridium and Tris(Triptylphenylpyridine)Iridium Complexes as Novel Electrophosphorescent Materials. <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 455, 373-379	0.5	
1879	Efficient organic light-emitting diodes by insertion a thin lithium fluoride layer with conventional structure. <i>Journal of Information Display</i> , 2006 , 7, 26-30	4.1	
1878	Effects of ferromagnetic nanowires on singlet and triplet exciton fractions in fluorescent and phosphorescent organic semiconductors. <i>Applied Physics Letters</i> , 2006 , 88, 022114	3.4	29
1877	Phosphorescence of red Os(fptz) ₂ (PPh ₂ Me) ₂ doped organic light-emitting devices with n and p hosts. <i>Applied Physics Letters</i> , 2006 , 88, 063508	3.4	15
1876	Highly efficient and color-tuning electrophosphorescent devices based on CuI complex. <i>Applied Physics Letters</i> , 2006 , 89, 103511	3.4	118
1875	Hole mobility and electroluminescence properties of a dithiophene indenofluorene. 2006 , 24, 654-656		5
1874	X-ray photoemission spectroscopy characterization of electrochemical growth of conducting polymer on oxidized Si surface. 2006 , 24, 1505-1508		8
1873	High-efficiency blue light-emitting electrophosphorescent device with conjugated polymers as the host. <i>Applied Physics Letters</i> , 2006 , 88, 051116	3.4	50
1872	Doping effect of blue light-emitting electron transport molecule in blue organic light-emitting devices. 2006 , 100, 064511		10
1871	Organic light-emitting devices with a mixture emitting layer of tris-(8-hydroxyquinoline) aluminum and 4,4'-bis(carbazol-9-yl)-biphenyl. <i>Applied Physics Letters</i> , 2006 , 88, 243505	3.4	15

1870	Significantly Improved Power Efficiency of Organic Light-Emitting Diodes with Surface Dipole on Anode and Ohmic Cathode Contact. <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 458, 217-225	0.5	
1869	Highly efficient organic electroluminescent device with modified cathode. <i>Applied Physics Letters</i> , 2006 , 88, 203502	3.4	17
1868	Green Light-Emitting Diodes (LED) Based on Diarylethene. <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 444, 157-168	0.5	5
1867	Triphenylamine-functionalized rhenium (I) complex as a highly efficient yellow-green emitter in electrophosphorescent devices. <i>Applied Physics Letters</i> , 2006 , 89, 243511	3.4	36
1866	Accumulation of electric-field-stabilized geminate polaron pairs in an organic semiconductor to attain high excitation density under low intensity pumping. <i>Applied Physics Letters</i> , 2006 , 89, 193502	3.4	7
1865	Electroluminescence and the Photovoltaic Effect. 365-390		
1864	Microcavity two-unit tandem organic light-emitting devices having a high efficiency. <i>Applied Physics Letters</i> , 2006 , 88, 111106	3.4	138
1863	Dissociation of iridium(III) phosphorescent emitters upon adsorption on Cu(110) revealed by scanning tunneling microscopy. <i>Applied Physics Letters</i> , 2006 , 89, 264102	3.4	8
1862	Organic light-emitting devices with a hole-blocking layer inserted between the hole-injection layer and hole-transporting layer. <i>Applied Physics Letters</i> , 2006 , 88, 083508	3.4	31
1861	Highly efficient green phosphorescent single-layered organic light-emitting devices. <i>Applied Physics Letters</i> , 2006 , 89, 213511	3.4	12
1860	Electric-field-induced quenching of photoluminescence in photoconductive organic thin film structures based on Eu ³⁺ complexes. 2006 , 100, 034318		11
1859	White and Red Organic Light-Emitting Diodes Using a Phosphorescent Iridium Complex as a Red Dopant. 2006 , 153, H228		3
1858	35-3: High Efficiency Phosphorescent Organic Light-Emitting Devices Coupled with Lateral Color-Conversion Layer. <i>Digest of Technical Papers SID International Symposium</i> , 2006 , 37, 1376	0.5	4
1857	Phosphorescence as a Probe of Exciton Formation and Energy Transfer in Organic Light Emitting Diodes. 2006 , 257-269		1
1856	The Triplet State: Emerging Applications of Room Temperature Phosphorescence Spectroscopy. 2007 , 42, 605-624		17
1855	19.1: Invited Paper: Development of Phosphorescent White OLED with Extremely High Power Efficiency and Long Lifetime. <i>Digest of Technical Papers SID International Symposium</i> , 2007 , 38, 1018-1021	0.5	29
1854	Crystallization and Aggregation Processes of Vacuum-Evaporated TPD Films. 2007 , 154, J239		16
1853	Enhanced Modulation Speed of Tris(8-hydroxyquinoline)aluminum-Based Organic Light Source with Low-Work-Function Electrode. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 7880-7884	1.4	10

1852	High Coupling Efficiency of Microcavity Organic Light-Emitting Diode with Optical Fiber for as Light Source for Optical Interconnects. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 642-646	1.4	9
1851	Highly efficient phosphorescent organic light-emitting devices based on Re(CO)3Cl-bathophenanthroline. 2007 , 22, 553-556		14
1850	Hybrid Passivation for a Film-like Organic Light-Emitting Diode using Parylene and Silicon Dioxide. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 810-814	1.4	5
1849	White organic light-emitting devices employing phosphorescent iridium complex as RGB dopants. 2007 , 22, 728-731		6
1848	Enhanced light emission from phosphorescent single-layered organic light-emitting devices doped with ionic salt by simultaneous thermal and electrical annealing. 2007 , 102, 074503		13
1847	Triarylamine siloxane anode functionalization/hole injection layers in high efficiency/high luminance small-molecule green- and blue-emitting organic light-emitting diodes. 2007 , 101, 093101		28
1846	On the Similarity and Difference of Molecular Structure and Packing Between Organopolysilanes with Symmetric and Asymmetric Side-Chains. <i>Molecular Crystals and Liquid Crystals</i> , 2007 , 472, 145/[535]-153/[543]	0.5	6
1845	Observation of excitonic quenching by long-range dipole-dipole interaction in sequentially doped organic phosphorescent host-guest system. 2007 , 99, 143003		44
1844	A highly efficient wide-band-gap host material for blue electrophosphorescent light-emitting devices. <i>Applied Physics Letters</i> , 2007 , 91, 233501	3.4	46
1843	Inter-Ligand Energy Transfer of Heteroleptic Tris-Cyclometalated Iridium Complexes and Their Applications to OLEDs. <i>Molecular Crystals and Liquid Crystals</i> , 2007 , 471, 313-323	0.5	6
1842	Quantitative analysis of long-range interactions between adsorbed dipolar molecules on Cu(111). 2007 , 98, 206102		71
1841	Effect of a sensing layer on triplet exciton diffusion in organic films. 2007 , 75,		15
1840	Efficient plastic scintillators utilizing phosphorescent dopants. <i>Applied Physics Letters</i> , 2007 , 90, 012117	3.4	34
1839	Highly efficient red electrophosphorescence from a solution-processed zwitterionic cyclometalated iridium(III) complex. <i>Applied Physics Letters</i> , 2007 , 91, 211106	3.4	23
1838	Combinatorial preparation and characterization of thin-film multilayer electro-optical devices. 2007 , 78, 072216		20
1837	High-efficiency orange and yellow organic light-emitting devices using platinum(II) complexes containing extended π -conjugated cyclometalated ligands as dopant materials. <i>Applied Physics Letters</i> , 2007 , 91, 063508	3.4	26
1836	Low efficiency roll off at high current densities in Ir-complex based electrophosphorescence diode with exciton diffusing and fluorescence compensating layers. <i>Applied Physics Letters</i> , 2007 , 91, 183516	3.4	12
1835	Low roll-off of efficiency at high current density in phosphorescent organic light emitting diodes. <i>Applied Physics Letters</i> , 2007 , 90, 223508	3.4	181

1834	Conversion process of the dominant electroluminescence mechanism in a molecularly doped organic light-emitting device with only electron trapping. 2007 , 102, 064504		20
1833	Enhancement of the Efficiency in Color-Stabilized Green Organic Light-Emitting Devices Utilizing a Hole-Blocking Layer Between a Hole Transport Layer and an Emission Layer. <i>Molecular Crystals and Liquid Crystals</i> , 2007 , 470, 289-296	0.5	
1832	High Brightness White Organic Light Emitting Devices Employing Phosphorescent Iridium Complex as RGB Dopants. 2007 , 364-366, 1072-1076		
1831	Cyclometallated Organoiridium Complexes as Emitters in Electrophosphorescent Devices. 131-161		1
1830	Red Electrophosphorescent Devices Based on Heteroleptic Tris-cyclometalated Iridium Complexes with Fluorinated 2,4-diphenylquinoline Ligands. <i>Molecular Crystals and Liquid Crystals</i> , 2007 , 471, 305-312	0.5	2
1829	Small Molecule-based Organic Electrophosphorescent Devices fabricated by Spin Coating. 2007 , 20, 39-42		8
1828	Blue Organic Electrophosphorescence Diodes using Diarylamino-substituted Heterocyclic Compounds as Host Material. 2007 , 20, 47-51		16
1827	Improved efficiency in top-emitting OLEDs with p -type Si anode. 2007 , 6828, 141		1
1826	Hexaphenylbenzene Derivatives for Blue Organic Light-emitting Devices. 2007 , 36, 590-591		20
1825	Highly efficient red light-emitting devices using copolymer containing charged iridium complex in the side chain. 2007 ,		1
1824	Syntheses and Properties of Novel Quarterphenylene-based Materials for Blue Organic Light-emitting Devices. 2007 , 36, 316-317		51
1823	Organic Electronic Devices Based on Polymeric Material and Tunable Photonic Crystal. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 5655-5673	1.4	25
1822	P-191: Novel Bipolar Materials Tailored for Phosphorescent OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2007 , 38, 899-902	0.5	
1821	47.2: Distinguished Paper: Structural Identification of Chemical Products and Mechanism of Operational Degradation of OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2007 , 38, 1494-1496	0.5	7
1820	64.4: High-Performance OLEDs Based on a New Class of Ir Complexes Bearing Pyrazine Structures in Their Ligands. <i>Digest of Technical Papers SID International Symposium</i> , 2007 , 38, 1776-1779	0.5	2
1819	Synthesis and characterization of red phosphorescent-conjugated polymers containing charged iridium complexes and carbazole unit. 2007 , 157, 813-822		19
1818	Operational degradation of organic light-emitting diodes: Mechanism and identification of chemical products. 2007 , 101, 024512		234
1817	Influence of carrier-injection efficiency on modulation rate of organic light source. 2007 , 32, 1905-7		10

1816	Design of non-periodic dielectric stacks for tailoring the emission of organic lighting-emitting diodes. 2007 , 15, 9715-21		4
1815	High-efficiency and high-contrast phosphorescent top-emitting organic light-emitting devices with p-type Si anodes. 2007 , 15, 14644-9		27
1814	Light Extraction From Solution-Based Processable Electrophosphorescent Organic Light-Emitting Diodes. 2007 , 3, 200-210		8
1813	Organic Light-Emitting Diodes Fabricated by a Solution Process and Their Stress Tolerance. 2007 , 3, 238-244		10
1812	Phosphorescent iridium complexes based on 2-phenylimidazo[1,2-a]pyridine ligands: tuning of emission color toward the blue region and application to polymer light-emitting devices. 2007 , 46, 4308-19		123
1811	Transition Metal Complexes for Photovoltaic and Light Emitting Applications. 2007 , 113-175		128
1810	A deep red phosphorescent Ir(III) complex for use in polymer light-emitting diodes: role of the arylsilyl substituents. 2007 , 72, 6241-6		67
1809	Silane- and triazine-containing hole and exciton blocking material for high-efficiency phosphorescent organic light emitting diodes. 2007 , 17, 3714		71
1808	P-184: A High Efficiency Bilayered Red Phosphorescent OLED. <i>Digest of Technical Papers SID International Symposium</i> , 2007 , 38, 888-891	0.5	1
1807	The role of substituents on functionalized 1,10-phenanthroline in controlling the emission properties of cationic iridium(III) complexes of interest for electroluminescent devices. 2007 , 46, 8533-47		160
1806	First-principles theoretical investigation of the electronic couplings in single crystals of phenanthroline-based organic semiconductors. 2007 , 126, 164704		45
1805	ECL Electrochemical luminescence. 2007 , 103, 12-78		110
1804	OLED Device Operational Lifetime: Insights and Challenges. 2007 ,		29
1803	Norbornene-Based Copolymers with Iridium Complexes and Bis(carbazolyl)fluorene Groups in Their Side-Chains and Their Use in Light-Emitting Diodes. 2007 , 19, 5602-5608		59
1802	Phosphorescent organic light-emitting device with an ambipolar oxadiazole host. <i>Applied Physics Letters</i> , 2007 , 90, 243501	3.4	19
1801	High-Efficiency Green Phosphorescent Organic Light-Emitting Devices with Chemically Doped Layers. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 1186-1188	1.4	111
1800	High Luminous Efficiency Blue Organic Light-Emitting Devices Using High Triplet Excited Energy Materials. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, L117-L119	1.4	116
1799	Theoretical studies on structures and spectroscopic properties of a series of novel mixed-ligand Ir(III) complexes [Ir(Mebib)(ppy)X]. 2007 , 1922-8		19

1798	Improving the performance of phosphorescent polymer light-emitting diodes using morphology-stable carbazole-based iridium complexes. 2007 , 17, 3451		48
1797	The synthesis and properties of iridium(III)-cored dendrimers with carbazole peripherally functionalized beta-diketonato dendrons. 2007 , 2048-57		26
1796	Novel, highly efficient blue-emitting heteroleptic iridium(III) complexes based on fluorinated 1,3,4-oxadiazole: tuning to blue by dithiolate ancillary ligands. 2007 , 1352-4		89
1795	Synthesis, structural characterization, and electrophosphorescent properties of rhenium(I) complexes containing carrier-transporting groups. 2007 , 46, 6155-63		93
1794	High Performance Vertical-Type Organic Transistors And Organic Light Emitting Transistors. 2007 ,		0
1793	Highly efficient blue electrophosphorescent devices with a new series of host materials: polyphenylene-dendronized oxadiazole derivatives. 2007 , 17, 3788		26
1792	Cationic Iridium(III) Complexes Bearing Phosphaalkene and 2-Pyridylphenyl Ligands. 2007 , 26, 3708-3712		7
1791	Synthesis, Characterization, and Photophysics of Electroluminescent Copolymers with a Quinoline-Based Iridium Complex in the Main Chain: A Versatile Method for Constructing Metal-Containing Copolymers. 2007 , 26, 3699-3707		57
1790	Influence of substituents on the energy and nature of the lowest excited states of heteroleptic phosphorescent Ir(III) complexes: a joint theoretical and experimental study. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8247-58	16.4	277
1789	Direct Spectroscopic Observation of Interligand Energy Transfer in Cyclometalated Heteroleptic Iridium(III) Complexes: A Strategy for Phosphorescence Color Tuning and White Light Generation. 2007 , 111, 4052-4060		100
1788	Ambient-temperature metal-to-ligand charge-transfer phosphorescence facilitated by triarylboron: Bnpa and its metal complexes. 2007 , 46, 10965-7		108
1787	Spectroscopic and redox properties of novel d6-complexes engineered from all Z-ethenylthiophene-bipyridine ligands. 2007 , 46, 839-47		5
1786	Enhancement of OLED Efficiencies and High-Voltage Stabilities of Light-Emitting Materials by Deuteration. 2007 , 111, 3490-3494		56
1785	Photodynamics of OLED Triplet Emitters Ir(ppy) ₃ and PtOEP. <i>Molecular Crystals and Liquid Crystals</i> , 2007 , 467, 21-31	0.5	11
1784	The Evolution of Organometallic Complexes in Organic Light-Emitting Devices. 2007 , 32, 694-701		93
1783	Cyclometalated iridium and platinum complexes with noninnocent ligands. 2007 , 46, 3865-75		55
1782	Theoretical Studies on Structures and Spectroscopic Properties of Bis-Cyclometalated Iridium Complexes. 2007 , 26, 143-149		72
1781	Phosphorescent resonant energy transfer between iridium complexes. 2007 , 111, 1381-8		32

1780	Theoretical studies on structures and spectroscopic properties of a series of novel cationic [trans-(C/N) ₂ Ir(PH ₃) ₂] ⁺ (C/N = ppy, bzq, ppz, dfppy). 2007 , 111, 8724-30		74
1779	Nonconjugated dendritic iridium(III) complexes with tunable pyridine-based ligands: synthesis, photophysical, electrochemical, and electroluminescent properties. 2007 , 46, 5518-27		56
1778	Ultra High Efficiency Green Organic Light-Emitting Devices. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, L10-L12	1.4	324
1777	Photophysical and Electrochemical Properties of Blue Phosphorescent Iridium(III) Complexes. 2007 , 26, 2017-2023		90
1776	Red Emitting Phenothiazine Dendrimers Encapsulated 2-{2-[2-(4-Dimethylaminophenyl)vinyl]-6-methylpyran-4-ylidene}malononitrile Derivatives. 2007 , 19, 42-50		50
1775	Charge carrier transporting molecular materials and their applications in devices. 2007 , 107, 953-1010		1590
1774	Introduction. 2007 , 15, 433		11
1773	Highly efficient organic devices based on electrically doped transport layers. 2007 , 107, 1233-71		1310
1772	Effect of host materials on electrophosphorescence properties of PtOEP-doped organic light-emitting diodes. <i>Journal of Information Display</i> , 2007 , 8, 15-19	4.1	2
1771	Charge Carrier Transporting, Photoluminescent, and Electroluminescent Properties of Zinc(II)-2-(2-hydroxyphenyl)benzothiazolate Complex. 2007 , 19, 1740-1748		64
1770	Organometallic Complexes for Optoelectronic Applications. 2007 , 101-194		43
1769	The unusual electrochemical and photophysical behavior of 2,2'-bis(1,3,4-oxadiazol-2-yl)biphenyls, effective electron transport hosts for phosphorescent organic light emitting diodes. 2007 , 9, 235-8		64
1768	Relativistic Study on Emission Mechanism in Tris(2-phenylpyridine)iridium. 2007 , 111, 6897-6903		63
1767	Synthesis, characterization and electroluminescence properties of new iridium complexes based on cyclic phenylvinylpyridine derivatives: tuning of emission colour and efficiency by structural control. 2007 , 17, 841-849		17
1766	Highly efficient simplified organic light emitting diodes. <i>Applied Physics Letters</i> , 2007 , 91, 113506	3.4	235
1765	Controlling phosphorescence color and quantum yields in cationic iridium complexes: a combined experimental and theoretical study. 2007 , 46, 5989-6001		226
1764	Simultaneous External and Internal Heavy-Atom Effects in Binary Adducts of 1-Halonaphthalenes with Trinuclear Perfluoro-ortho-phenylene Mercury(II): A Structural and Photophysical Study. 2007 , 111, 9522-9529		39
1763	. 2007 ,		197

1762	Ordered arrays of organometallic iridium complexes with long alkyl chains on graphite. 2007 , 13, 2311-9	18
1761	Phosphorescent dyes for organic light-emitting diodes. 2007 , 13, 380-95	700
1760	High-efficiency electrophosphorescent copolymers containing charged iridium complexes in the side chains. 2007 , 13, 7432-42	41
1759	Blue/green light-emitting diode based on diethyl[N-arylmethylenethiobenzahydrazonato]gallium complexes. 2007 , 21, 26-30	
1758	Monodisperse Starburst Oligofluorene-Functionalized 4,4',4'-Tris(carbazol-9-yl)-triphenylamines: Their Synthesis and Deep-Blue Fluorescent Properties for Organic Light-Emitting Diode Applications. 2007 , 17, 1028-1036	95
1757	N?C?N-Coordinated Platinum(II) Complexes as Phosphorescent Emitters in High-Performance Organic Light-Emitting Devices. 2007 , 17, 285-289	177
1756	Tuning the Energy Level and Photophysical and Electroluminescent Properties of Heavy Metal Complexes by Controlling the Ligation of the Metal with the Carbon of the Carbazole Unit. 2007 , 17, 651-661	140
1755	Efficient White-Electrophosphorescent Devices Based on a Single Polyfluorene Copolymer. 2007 , 17, 1085-1092	103
1754	Solution-Processible Multi-component Cyclometalated Iridium Phosphors for High-Efficiency Orange-Emitting OLEDs and Their Potential Use as White Light Sources. 2007 , 17, 2925-2936	149
1753	A Novel Fluorene-Triphenylamine Hybrid That is a Highly Efficient Host Material for Blue-, Green-, and Red-Light-Emitting Electrophosphorescent Devices. 2007 , 17, 3514-3520	132
1752	High-Efficiency Red Phosphorescent Iridium Dendrimers with Charge- Transporting Dendrons: Synthesis and Electroluminescent Properties. 2007 , 17, 3580-3589	86
1751	Highly Efficient and Low-Voltage Phosphorescent Organic Light-Emitting Diodes Using an Iridium Complex as the Host Material. 2007 , 19, 276-280	170
1750	The Development of Light-Emitting Dendrimers for Displays. 2007 , 19, 1675-1688	437
1749	Efficient White Organic Light-Emitting Devices Based on Phosphorescent Platinum(II)/Fluorescent Dual-Emitting Layers. 2007 , 19, 3599-3603	146
1748	Synthesis and Photophysical Properties of Bis-Cyclometallated Iridium(III)Btyryl Complexes and Their Saturated Analogues. 2007 , 2007, 2734-2747	24
1747	A Tris-Cyclometalated Iridium(III) Complex of 2-(5,5-Dioxido-dibenzothiophen-3-yl)pyridine: Synthesis, Structural, Redox and Photophysical Properties. 2007 , 2007, 4808-4814	23
1746	Direct enantiomeric separations of tris(2-phenylpyridine) iridium (III) complexes on polysaccharide derivative-based chiral stationary phases. 2007 , 30, 713-6	27
1745	High efficiency electrophosphorescent red organic light-emitting devices with double-emission layers. 2007 , 51, 1129-1132	15

- 1744 Synthesis and photoluminescence properties of BF₂ complexes with 1,3-diketone ligands. **2007**, 63, 9354-9358¹¹¹
- 1743 Novel fluorene/carbazole hybrids with steric bulk as host materials for blue organic electrophosphorescent devices. **2007**, 63, 10161-10168 50
- 1742 Utilization of copper phthalocyanine and bathocuproine as an electron transport layer in photovoltaic cells with copper phthalocyanine/buckminsterfullerene heterojunctions: Thickness effects on photovoltaic performances. **2007**, 515, 3019-3023 48
- 1741 White polymer light-emitting diodes based on poly(2-(4-(diphenylamino)phenylenevinyl)-1,4-phenylene-alt-9,9-n-dihexylfluorene-2,7-diyl) doped with a poly(p-phenylene vinylene) derivative. **2007**, 516, 47-51 10
- 1740 Interactions of low-energy electrons with Ir(ppy)₃ in the gas phase. **2007**, 434, 11-14 12
- 1739 A multicomponent rhenium-based triplet emitter for organic electroluminescence. **2007**, 435, 54-58 25
- 1738 Phosphorescent organic light-emitting devices with in situ post-growth annealed organic layers. **2007**, 139, 192-196 5
- 1737 Blue electroluminescence of silyl substituted anthracene derivatives. *Organic Electronics*, **2007**, 8, 357-366 40
- 1736 Tuning iridium(III) complexes containing 2-benzo[b]thiophen-2-yl-pyridine based ligands in the red region. **2007**, 360, 3149-3154 26
- 1735 A study on the characteristics of OLEDs using Ir complex for blue phosphorescence. **2007**, 7, 380-383 21
- 1734 New hole-transport polyurethanes applied to polymer light-emitting diodes. **2007**, 43, 4279-4288 10
- 1733 Synthesis, structural characterization, and initial electroluminescent properties of bis-cycloiridiated complexes of 2-(3,5-bis(trifluoromethyl)phenyl)-4-methylpyridine. *Journal of Organometallic Chemistry*, **2007**, 692, 4809-4827 2.3 24
- 1732 Decay dynamics of photo-luminescence in tris(2-phenylpyridine)iridium phosphor. **2007**, 122-123, 440-443 7
- 1731 Molecular organization of a water-insoluble iridium(III) complex in mixed monolayers. **2007**, 315, 278-86 14
- 1730 Thermal annealing effect on GaNAs epilayers with different nitrogen compositions grown by MOCVD. **2007**, 307, 229-234 6
- 1729 Magnetic field dependence of triplet state in iridium complex phosphor. **2007**, 4, 813-816 1
- 1728 Synthesis and properties of novel electrophosphorescent polymers from quinoline- and pyridine-end-capped polyfluorenes with rhenium(I) chromophores. **2007**, 45, 1492-1498 12
- 1727 Synthesis and characterization of white-light-emitting polyfluorenes containing orange phosphorescent moieties in the side chain. **2007**, 45, 1746-1757 55

1726	Spectrometers shrink down. 2007 , 1, 444-445	3
1725	Development of dendrimers: macromolecules for use in organic light-emitting diodes and solar cells. 2007 , 107, 1097-116	683
1724	Electromodulation of photoluminescence in vacuum-evaporated films of fac-tris(2-phenylpyridine)iridium(III). 2007 , 337, 151-160	11
1723	White organic light emitting devices with thin 4-(dicyanomethylene)-2-t-butyl-6(1,1,7,7-tetramethyljulolidyl-9-enyl)-4H-pyran (DCJTB) layer. 2008 , 29, 419-423	4
1722	New host copolymers containing pendant triphenylamine and carbazole for efficient green phosphorescent OLEDs. 2008 , 49, 4211-4217	26
1721	Low driving voltage organic light emitting diode using phenanthrene oligomers as electron transport layer. 2008 , 516, 8717-8720	10
1720	A morphologically stable host material for efficient phosphorescent green and red organic light emitting devices. 2008 , 517, 943-947	38
1719	Driving voltage reduction and efficiency increase by narrow bandgap host materials in phosphorescent organic light-emitting diodes. 2008 , 517, 896-900	11
1718	Spectroscopic and travelling-wave lasing characterisation of tetraphenylbenzidine and di-naphthalenyl-diphenylbenzidine. 2008 , 91, 559-569	9
1717	Below bandgap emission with intensity higher than band-to-band transition in GaAsN. 2008 , 5, 464-466	1
1716	Pure white-light-emitting diodes from phosphorescent single polymer systems. 2008 , 46, 464-472	28
1715	Luminescence properties of soluble 2,2',7,7'-Tetrakis(2-(9-hexyl-9H-carbazol-3-yl)-vinyl)-9,9'-spirobifluorene-labeled dendrimers: Photoluminescence and electroluminescence. 2008 , 46, 501-514	2
1714	Host copolymers containing pendant carbazole and oxadiazole groups: Synthesis, characterization and optoelectronic applications for efficient green phosphorescent OLEDs. 2008 , 46, 5180-5193	28
1713	Carbazolevinylene-based polymers and model compounds with oxadiazole and triphenylamine segments: Synthesis, photophysics, and electroluminescence. 2008 , 46, 5592-5603	24
1712	Deep-red light-emitting phosphorescent dendrimer encapsulated tris-[2-benzo[b]thiophen-2-yl-pyridyl] iridium (III) core for light-emitting device applications. 2008 , 46, 7517-7533	30
1711	New host homopolymers containing pendant triphenylamine derivatives: Synthesis, optical, electrochemical properties and its blend with Ir(ppy) ₃ for green phosphorescent organic light-emitting devices. 2008 , 46, 7960-7971	27
1710	Influence of aggregation on the phosphorescence of iridium complex in poly(methyl methacrylate) matrix. 2008 , 46, 631-639	5
1709	Synthesis of π (Fluorophenyl)pyridine by Palladium-Catalyzed Cross-Coupling Reaction. 2008 , 26, 1101-1104	2

1708	Photophysical properties of heteroleptic iridium complexes containing carbazole-functionalized beta-diketonates. 2008 , 9, 634-40	22
1707	Ligation of Bipyridyl Ligands to Metal 8-Hydroxyquinolinates [Synthesis, Crystal Structures, and TDDFT Study. 2008 , 2008, 5076-5081	4
1706	A highly selective luminescent switch-on probe for histidine/histidine-rich proteins and its application in protein staining. 2008 , 47, 3735-9	190
1705	A simple carbazole/oxadiazole hybrid molecule: an excellent bipolar host for green and red phosphorescent OLEDs. 2008 , 47, 8104-7	405
1704	Synthesis, Structure, Electronic State, and Luminescent Properties of Novel Blue-Light-Emitting Aryl-Substituted 9,9-Di(4-(di-p-tolyl)aminophenyl)fluorenes. 2008 , 18, 2335-2347	29
1703	Solution-Processible Red Iridium Dendrimers based on Oligocarbazole Host Dendrons: Synthesis, Properties, and their Applications in Organic Light-Emitting Diodes. 2008 , 18, 2754-2762	135
1702	Optimization of Orange-Emitting Electrophosphorescent Copolymers for Organic Light-Emitting Diodes. 2008 , 18, 3056-3062	64
1701	Advanced Device Architecture for Highly Efficient Organic Light-Emitting Diodes with an Orange-Emitting Crosslinkable Iridium(III) Complex. 2008 , 20, 129-133	134
1700	Pyridine-Containing Triphenylbenzene Derivatives with High Electron Mobility for Highly Efficient Phosphorescent OLEDs. 2008 , 20, 2125-2130	538
1699	High Efficiency and Small Roll-Off Electrophosphorescence from a New Iridium Complex with Well-Matched Energy Levels. 2008 , 20, 774-778	98
1698	Efficient Blue- and White-Emitting Electrophosphorescent Devices Based on Platinum(II) [1,3-Difluoro-4,6-di(2-pyridinyl)benzene] Chloride. 2008 , 20, 2405-2409	190
1697	A New Hybrid Phosphine Ligand for Palladium-Catalyzed Amination of Aryl Halides. 2008 , 350, 652-656	67
1696	A Highly Selective Luminescent Switch-On Probe for Histidine/Histidine-Rich Proteins and Its Application in Protein Staining. 2008 , 120, 3795-3799	47
1695	A Simple Carbazole/Oxadiazole Hybrid Molecule: An Excellent Bipolar Host for Green and Red Phosphorescent OLEDs. 2008 , 120, 8224-8227	76
1694	Electrophosphorescence from iridium complex-doped mesogen-jacketed polymers. 2008 , 49, 455-460	10
1693	Functionalization of conjugated copolymers with phosphorescent iridium complexes and carbazole/1,3,4-oxadiazole dendrons via click chemistry. 2008 , 49, 1527-1537	18
1692	A host material containing tetraphenylsilane for phosphorescent OLEDs with high efficiency and operational stability. <i>Organic Electronics</i> , 2008 , 9, 452-460	3.5 39
1691	Enhanced green electrophosphorescence by using polyfluorene host via interfacial energy transfer from polyvinylcarbazole. <i>Organic Electronics</i> , 2008 , 9, 1002-1009	3.5 30

1690	Synthesis, structures, and properties of iridium(III) bis-cyclometallated complexes containing three-atom chelates. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 1510-1517	2,3	20
1689	Theoretical studies on structures and spectroscopic properties of bis-cyclometalated iridium complexes [Ir(ppy) ₂ X ₂]. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 947-956	2,3	10
1688	The heteroleptic complexes containing 2,3-diphenylquinoline derivatives as phosphorescent materials. 2008 , 69, 1320-1324		6
1687	Bright electrophosphorescent devices based on sterically hindered spacer-containing Cu(I) complex. 2008 , 128, 1303-1306		16
1686	Measurement of photoluminescence efficiency of Ir(III) phenylpyridine derivatives in solution and solid-state films. 2008 , 460, 155-157		123
1685	Towards a phosphorescent cyclometalated iridium complex containing a modified polymerizable acetylacetonato ligand. 2008 , 11, 231-234		16
1684	High-efficiency red phosphorescent organic light-emitting diodes based on metal-microcavity structure. 2008 , 52, 211-214		2
1683	Novel iridium complexes as high-efficiency yellow and red phosphorescent light emitters for organic light-emitting diodes. 2008 , 64, 10814-10820		31
1682	Optical characteristics of organic light emitting diode with IrQ(ppy) ₂ BCl and its emitter. 2008 , 516, 2788-2793		16
1681	Effect of fabrication process on characteristics of phosphorescence organic light emitting diodes with methoxy-substituted starburst low-molecule as a host. 2008 , 516, 2772-2775		3
1680	Bright electroluminescence from single-layer organic light-emitting diodes comprising an ambipolar carrier transport layer of phenyldipyrenylphosphine oxide. 2008 , 516, 4288-4292		10
1679	Application of organic bathocuproine-based alloy film to organic light-emitting diodes. 2008 , 516, 3350-3356		9
1678	Synthesis and electroluminescent properties of Ir complexes with benzo[c]acridine or 5,6-dihydro-benzo[c]acridine ligands. 2008 , 516, 6186-6190		15
1677	Influence of evaporation conditions for BCP and Alq ₃ on the performance of the PVK:Ir(ppy) ₃ emitting system. 2008 , 255, 2404-2407		
1676	New heteroleptic Tris-cyclometalated iridium complex for red electrophosphorescent light-emitting diodes. 2008 , 313-314, 426-430		1
1675	Green and blue-green phosphorescent heteroleptic iridium complexes containing carbazole-functionalized β -diketonate for non-doped organic light-emitting diodes. <i>Organic Electronics</i> , 2008 , 9, 171-182	3,5	31
1674	Bipyridyl substituted triazoles as hole-blocking and electron-transporting materials for organic light-emitting devices. <i>Organic Electronics</i> , 2008 , 9, 77-84	3,5	23
1673	The blue aluminum and gallium chelates for OLEDs. 2008 , 361, 1020-1035		23

- 1672 Synthesis and characterization of phosphorescent iridium complexes containing trifluoromethyl-substituted phenyl pyridine based ligands. **2008**, 361, 2407-2412 42
- 1671 Improvement of Metal Insulator Semiconductor-Type Organic Light-Emitting Transistors. *Japanese Journal of Applied Physics*, **2008**, 47, 1889-1893 1.4 39
- 1670 Organic light-emitting devices (OLEDs) and OLED-based chemical and biological sensors: an overview. **2008**, 41, 133001 223
- 1669 Robust tris-cyclometalated iridium(III) phosphors with ligands for effective charge carrier injection/transport: synthesis, redox, photophysical, and electrophosphorescent behavior. **2008**, 3, 1830-41 93
- 1668 Electroluminescence of Hole Block Material Caused by Electron Accumulation and Hole Penetration. **2008**, 112, 15065-15070 13
- 1667 Synthesis, characterisation and liquid crystal properties of 2,5-bis[5-alkyl(alkoxy)phenyl-1,3,4-oxadiazole]bromobenzenes. **2008**, 35, 133-141 26
- 1666 First Iridium Complex End-Capped Polyfluorene: Improving Device Performance for Phosphorescent Polymer Light-Emitting Diodes. **2008**, 112, 3907-3913 30
- 1665 Solution processable phosphorescent dendrimers based on cyclic phosphazenes for use in organic light emitting diodes (OLEDs). **2008**, 618-20 70
- 1664 Mechanism of Ir(ppy)₂(N-N)⁺ (N-N = 2-phenyl-1H-imidazo[4,5-f][1,10]phenanthroline) sensor for F⁻, CF₃COOH, and CH₃COO⁻: density functional theory and time-dependent density functional theory studies. **2008**, 112, 8254-62 21
- 1663 Synthesis and Properties of Carbazole Main Chain Copolymers with Oxadiazole Pendant toward Bipolar Polymer Host: Tuning the HOMO/LUMO Level and Triplet Energy. **2008**, 20, 7324-7331 73
- 1662 Introduction. **2008**, 16, 603
- 1661 Probing the mer- to fac-isomerization of tris-cyclometalated homo- and heteroleptic (C,N)₃ iridium(III) complexes. **2008**, 47, 6681-91 52
- 1660 Highly phosphorescent iridium complexes with chromophoric 2-(2-hydroxyphenyl)oxazole-based ancillary ligands: interligand energy-harvesting phosphorescence. **2008**, 47, 1476-87 92
- 1659 Dendritic macromolecules for organic light-emitting diodes. **2008**, 37, 2543-57 204
- 1658 Solution-processable highly efficient yellow- and red-emitting phosphorescent organic light emitting devices from a small molecule bipolar host and iridium complexes. **2008**, 18, 4091 75
- 1657 Structurally Integrated Photoluminescent Chemical and Biological Sensors: An Organic Light-Emitting Diode-Based Platform. **2008**, 61-96 1
- 1656 Blue phosphorescent emitters: new N-heterocyclic platinum(II) tetracarbene complexes. **2008**, 3263-5 97
- 1655 Luminescent cyclometalated Rh(III), Ir(III), and (DIP)₂Ru(II) complexes with carboxylated bipyridyl ligands: synthesis, X-ray molecular structure, and photophysical properties. **2008**, 47, 3340-8 70

1654	Palladium-catalyzed method for the synthesis of carbazoles via tandem C-H functionalization and C-N bond formation. 2008 , 73, 7603-10	236
1653	Influence of charge balance and exciton distribution on efficiency and lifetime of phosphorescent organic light-emitting devices. 2008 , 104, 014510	197
1652	Synthesis, characterization, and DFT/TD-DFT calculations of highly phosphorescent blue light-emitting anionic iridium complexes. 2008 , 47, 980-9	212
1651	Synthesis and electroluminescence properties of novel deep blue emitting 6,12-dihydro-diindeno[1,2-b;1',2'-e]pyrazine derivatives. 2008 , 2143-5	81
1650	Vinyl polymer containing 1,4-distyrylbenzene chromophores: Synthesis, optical, electrochemical properties and its blend with PVK and Ir(ppy) ₃ . 2008 , 158, 411-416	9
1649	Poly(4-vinyltriphenylamine): Optical, electrochemical properties and its new application as a host material of green phosphorescent Ir(ppy) ₃ dopant. 2008 , 158, 565-571	27
1648	Organic light-emitting devices with triphenylphosphine oxide layer. 2008 , 158, 617-619	7
1647	2-Phenylpyrimidine skeleton-based electron-transport materials for extremely efficient green organic light-emitting devices. 2008 , 5821-3	117
1646	Equivalent circuit model for organic single-layer diodes. 2008 , 104, 064503	27
1645	Introduction. 2008 , 16, 37	35
1644	Introduction. 2008 , 16, 231	18
1643	Introduction. 2008 , 16, 695	1
1642	Pyridine-Containing Bipolar Host Materials for Highly Efficient Blue Phosphorescent OLEDs. 2008 , 20, 1691-1693	461
1641	Roll-Off Characteristics of Electroluminescence Efficiency of Organic Blue Electrophosphorescence Diodes. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 7363-7365	1.4 5
1640	An electron-transporting host material compatible with diverse triplet emitters used for highly efficient red- and green-electrophosphorescent devices. 2008 , 4956-8	27
1639	High efficiency blue phosphorescent organic light-emitting device. <i>Applied Physics Letters</i> , 2008 , 93, 143307	205
1638	A rapid route to carbazole containing dendrons and phosphorescent dendrimers. 2008 , 18, 2121	50
1637	A unique six-membered chelated iridium complex. 2008 , 4095-8	4

1636	Study on a set of bis-cyclometalated Ir(III) complexes with a common ancillary ligand. 2008 , 4732-41		33
1635	Stable white electroluminescence from single fluorene-based copolymers: using fluorenone as the green fluorophore and an iridium complex as the red phosphor on the main chain. 2008 , 18, 291-298		69
1634	Complexes of Osmium with the 2-[(Diphenylphosphanyl)-methyl]-pyridine Ligand. 2008 , 112, 7858-7865		8
1633	Aluminium-salen luminophores as new hole-blocking materials for phosphorescent OLEDs. 2008 , 1818-20		42
1632	Quantum efficiency roll-off at high brightness in fluorescent and phosphorescent organic light emitting diodes. 2008 , 77,		327
1631	Analyzing Bipolar Carrier Transport Characteristics of Diarylamino-Substituted Heterocyclic Compounds in Organic Light-Emitting Diodes by Probing Electroluminescence Spectra. 2008 , 20, 4439-4446		64
1630	Ab initio prediction of the emission color in phosphorescent iridium(III) complexes for OLEDs. 2008 , 112, 13181-3		32
1629	Novel four-pyridylbenzene-armed biphenyls as electron-transport materials for phosphorescent OLEDs. 2008 , 10, 941-4		115
1628	Strongly luminescent palladium(0) and platinum(0) diphosphine complexes. 2008 , 47, 481-6		29
1627	Encapsulation of organic light-emitting devices for the application of display. 2008 ,		3
1626	Theoretical characterization of a typical hole/exciton-blocking material bathocuproine and its analogues. 2008 , 112, 9097-103		49
1625	Synthesis, separation, and circularly polarized luminescence studies of enantiomers of iridium(III) luminophores. 2008 , 47, 2039-48		113
1624	Improved Turn-On Times of Light-Emitting Electrochemical Cells. 2008 , 20, 388-396		100
1623	Phosphorescent Organic Light Emitting Diode Using Vinyl Derivatives of Hole Transport and Dopant Materials. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 1279-1283	1.4	17
1622	A New Phosphorescent Iridium Complex and Its Orange and White Light-Emitting Devices. <i>Molecular Crystals and Liquid Crystals</i> , 2008 , 492, 328/[692]-336/[700]		0.5
1621	Current-Induced Spectrum Change of Phosphorescent Organic Light-Emitting Diode Constructed with Vinyl Compounds. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 1284-1289	1.4	6
1620	Highly efficient electrophosphorescence devices based on iridium complexes with high efficiency over a wide range of current densities. 2008 , 41, 245101		10
1619	Efficiency improvement of flexible phosphorescent organic light emitting diode by inserting a buffer layer. 2008 ,		

1618	Organic Materials for Large Area Electronics. 2008 , 608, 159-179		3
1617	Color tuning by changing the substituent of highly luminescent iridium (III) complexes. 2008 ,		1
1616	Near-Infrared Emission from Organic Light-Emitting Diodes Based on Copper Phthalocyanine with a Periodically Arranged Alq 3 :CuPc/DCM Multilayer Structure. 2008 , 25, 715-718		9
1615	Organic Light-Emitting Diodes with Highly Conductive Polymer Electrodes as Anode and Their Stress Tolerance. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 460-463	1.4	7
1614	Improved efficiency and colour purity of blue electrophosphorescent devices by codoping a fluorescent emitter. 2008 , 41, 125108		
1613	Stabilization of the work function of indium tin oxide using organic surface modifiers in organic light-emitting diodes. <i>Applied Physics Letters</i> , 2008 , 93, 163308	3.4	71
1612	The reduced triplet-triplet annihilation of electrophosphorescent device doped by an iridium complex with active hydrogen. <i>Applied Physics Letters</i> , 2008 , 93, 153303	3.4	23
1611	Reduced efficiency roll-off in phosphorescent organic light emitting diodes at ultrahigh current densities by suppression of triplet-polaron quenching. <i>Applied Physics Letters</i> , 2008 , 93, 023309	3.4	51
1610	Direct vapor jet printing of three color segment organic light emitting devices for white light illumination. <i>Applied Physics Letters</i> , 2008 , 92, 053301	3.4	28
1609	Laminated active matrix organic light-emitting devices. <i>Applied Physics Letters</i> , 2008 , 92, 063304	3.4	8
1608	Thin film encapsulation of OLED displays with organic-inorganic composite film. 2008 ,		2
1607	Electroluminescence characteristics of n-type matrix materials doped with iridium-based green and red phosphorescent emitters. 2008 , 103, 054510		29
1606	Solution processable ionic p-i-n phosphorescent organic light-emitting diodes. <i>Applied Physics Letters</i> , 2008 , 93, 093302	3.4	9
1605	Highly efficient bilayer green phosphorescent organic light emitting devices. <i>Applied Physics Letters</i> , 2008 , 92, 113311	3.4	57
1604	High efficiency electrophosphorescence device using a thin cleaving layer in an Ir-complex doped emitter layer. <i>Applied Physics Letters</i> , 2008 , 92, 253309	3.4	17
1603	Highly efficient green phosphorescent organic light-emitting diodes with simplified device geometry. <i>Applied Physics Letters</i> , 2008 , 92, 253502	3.4	20
1602	Green phosphorescent light-emitting diodes from polymer doped with iridium complex. <i>Applied Physics Letters</i> , 2008 , 92, 193312	3.4	10
1601	Highly-efficient green phosphorescent organic light-emitting diodes with hybrid device geometry. 2008 ,		

1600 Light-emitting poly(dendrimer)s. **2008**,

1599	Solution-processible Fluorinated Carbazole Derivative for Phosphorescent Organic Light-emitting Diodes. 2008 , 37, 294-295		9
1598	Control of Electroluminescence Spectra Using Hole-Blocking Layer for White Organic Light-Emitting Diodes. 2008 , 21, 173-180		3
1597	Correlation of photoluminescent quantum efficiency and device characteristics for the soluble electrophosphorescent light emitter with interfacial layers. 2008 , 104, 024511		6
1596	Analysis of efficiency characteristics of green phosphorescent organic light-emitting devices. <i>Applied Physics Letters</i> , 2008 , 93, 193303	3-4	7
1595	Luminescent d10 transition metal complexes. 2008 , 52, 29-42		8
1594	The Preparation of (8-Hydroxyquinolino)Bis(2-Phenylpyridyl)Iridium Complexes and Their Photophysical Properties. 2008 , 55, 439-448		14
1593	22.5: Late-News Paper: High-Efficiency Solution-Processed Phosphorescent Green Organic Light-Emitting Diode Using a High-Quantum-Yield Iridium Complex. <i>Digest of Technical Papers SID International Symposium</i> , 2008 , 39, 307	0.5	
1592	Highly Efficient Phosphorescent Organic Light-Emitting Diodes Using Alkyl-Substituted Iridium Complexes as a Solution-Processible Host Material. 2008 , 1, 021805		7
1591	Chemistry and Applications of 4,5-Diazafluorenes. 2008 , 75, 2381		13
1590	High efficient two color white phosphorescent organic light emitting diode. 2008 , 104, 064505		2
1589	Blue phosphorescent organic light-emitting device with double emitting layer. <i>Applied Physics Letters</i> , 2009 , 94, 223301	3-4	41
1588	Highly efficient and stable organic light-emitting diode using 4,4'-bis(N-carbazolyl)-9,9'-spirobifluorene as a thermally stable host material. <i>Applied Physics Letters</i> , 2009 , 94, 033302	3-4	24
1587	Efficient multiple triplet quantum well structures in organic light-emitting devices. <i>Applied Physics Letters</i> , 2009 , 95, 103303	3-4	35
1586	Highly Efficient Red Phosphorescent OLEDs with Simple Device Structure. <i>Molecular Crystals and Liquid Crystals</i> , 2009 , 513, 227-235	0.5	4
1585	Efficient bilayer phosphorescent organic light-emitting diodes: Direct hole injection into triplet dopants. <i>Applied Physics Letters</i> , 2009 , 94, 113305	3-4	41
1584	Singlet energy transfer and singlet-singlet annihilation in light-emitting blends of organic semiconductors. <i>Applied Physics Letters</i> , 2009 , 95, 183305	3-4	21
1583	Organic vapor phase deposition for the growth of large area organic electronic devices. <i>Applied Physics Letters</i> , 2009 , 95, 233305	3-4	23

1582	Highly efficient simple-structure red phosphorescent OLEDs with an extremely low doping technology. <i>Journal of Information Display</i> , 2009 , 10, 87-91	4.1	3
1581	Preparation of Blue-Emitting Phosphorescent Iridium(III) Complex Under Ultrasound Reaction. <i>Molecular Crystals and Liquid Crystals</i> , 2009 , 499, 26/[348]-37/[359]	0.5	2
1580	Novel oligo-9,9'-spirobifluorenes through ortho-linkage as full hydrocarbon host for highly efficient phosphorescent OLEDs. 2009 , 11, 2607-10		83
1579	Improved performance of organic light emitting devices using triazole/ Cs ₂ CO ₃ /Al cathode. 2009 , ,		
1578	Solution-processable phosphorescent to organic light-emitting diodes based on chromophoric amphiphile/silica nanocomposite. 2009 , 20, 315601		10
1577	Enhanced electroluminescence and reduced efficiency roll-off in electrophosphorescent devices using a very high electron mobility material as emitter host and electron transporter. 2009 , 42, 065103		5
1576	Influence of the polarity of dopants on red organic light-emitting devices. 2009 , 42, 055116		1
1575	Highly efficient pure yellow electrophosphorescent device by utilizing an electron blocking material. 2009 , 24, 105019		4
1574	Transient Electroluminescence of White Organic Light-Emitting Diodes with Blue Phosphorescent and Red Fluorescent Emissive Layers. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 04C176	1.4	6
1573	The photophysics of singlet, triplet, and degradation trap states in 4,4-N,N'(-)-dicarbazolyl-1,1'(-)-biphenyl. 2009 , 130, 074501		31
1572	30.1: Invited Paper: Charge Balance in Blue Phosphorescent Organic Light Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2009 , 40, 410	0.5	3
1571	Fluorinated poly(N-vinylcarbazole) host for triplet energy confinement on phosphorescent emitter in organic light-emitting diodes. 2009 , 1197, 19		
1570	Preparation and characterization of phosphorescence organic light-emitting diodes using poly-vinylcarbazole: tris(2-phenylpyridine) iridium(III) emission layer. 2009 , 48, 104001		7
1569	Degradation of HTL layers during device operation in PhOLEDs. 2009 , 11, 1933-1940		40
1568	Citation network analysis of organic LEDs. 2009 , 76, 1115-1123		68
1567	Organic Devices for Integrated Photonics. 2009 , 97, 1627-1636		4
1566	StructureProperty Relationship of Pyridine-Containing Triphenyl Benzene Electron-Transport Materials for Highly Efficient Blue Phosphorescent OLEDs. 2009 , 19, 1260-1267		174
1565	Harvesting Excitons Via Two Parallel Channels for Efficient White Organic LEDs with Nearly 100% Internal Quantum Efficiency: Fabrication and Emission-Mechanism Analysis. 2009 , 19, 84-95		358

1564	Highly Efficient Red Phosphorescent OLEDs based on Non-Conjugated Silicon-Cored Spirobifluorene Derivative Doped with Ir-Complexes. 2009 , 19, 420-427	133
1563	Hybrid Nanoparticle/Organic Devices with Strong Resonant Tunneling Behaviors. 2009 , 19, 2648-2653	21
1562	A Bipolar Host Material Containing Triphenylamine and Diphenylphosphoryl-Substituted Fluorene Units for Highly Efficient Blue Electrophosphorescence. 2009 , 19, 2834-2843	185
1561	New Host Containing Bipolar Carrier Transport Moiety for High-Efficiency Electrophosphorescence at Low Voltages. 2009 , 21, 688-692	130
1560	Manipulating Charges and Excitons within a Single-Host System to Accomplish Efficiency/CRI/Color-Stability Trade-off for High-Performance OWLEDs. 2009 , 21, 2397-2401	170
1559	Thermally activated delayed fluorescence from Sn(4+)-porphyrin complexes and their application to organic light emitting diodes--a novel mechanism for electroluminescence. 2009 , 21, 4802-6	695
1558	Iridium(III) complexes with sulfonyl and fluorine substituents: synthesis, stereochemistry and effect of functionalisation on their photophysical properties. 2009 , 15, 136-48	58
1557	Cationic heteroleptic cyclometalated iridium complexes with 1-pyridylimidazo[1,5-alpha]pyridine ligands: exploitation of an efficient intersystem crossing. 2009 , 15, 6415-27	57
1556	Synthesis and properties of salen-aluminum complexes as a novel class of color-tunable luminophores. 2009 , 15, 6478-87	46
1555	Asymmetrical fluorene[2,3-b]benzo[d]thiophene derivatives: synthesis, solid-state structures, and application in solution-processable organic light-emitting diodes. 2009 , 15, 8275-82	25
1554	Single-molecule electroluminescence of a phosphorescent organometallic complex. 2009 , 10, 1195-8	14
1553	Chirality in the Photochemical mer->fac Geometrical Isomerization of Tris(1-phenylpyrazolato,N,C2?)iridium(III). 2009 , 2009, 2104-2109	27
1552	DFT/TD-DFT investigation on Ir(III) complexes with N-heterocyclic carbene ligands: geometries, electronic structures, absorption, and phosphorescence properties. 2010 , 31, 628-38	25
1551	Novel Red Light-Emitting Fluorene-alt-Carbazole Copolymers with Carbazole N-Graft Cyclometalated Ir Complexes. 2009 , 210, 457-466	10
1550	Excitation energy transfer in organic materials: from fundamentals to optoelectronic devices. 2009 , 30, 1203-31	160
1549	Development of organic light-emitting diodes for electro-optical integrated devices. 2009 , 4, 300-310	43
1548	Bifunctional Green Iridium Dendrimers with a Self-Host Feature for Highly Efficient Nondoped Electrophosphorescent Devices. 2009 , 121, 6792-6794	16
1547	Bifunctional green iridium dendrimers with a "self-host" feature for highly efficient nondoped electrophosphorescent devices. 2009 , 48, 6664-6	127

1546	Novel white-light-emitting polyfluorenes with benzothiadiazole and Ir complex on the backbone. 2009 , 50, 1430-1437		59
1545	Spectroscopic properties of cyclometallated iridium complexes by TDDFT. 2009 , 914, 74-86		30
1544	High efficiency red organic light-emitting diodes using a phosphorescent iridium complex doped into a hole-blocking material. 2009 , 517, 3788-3791		10
1543	Theoretical design of phosphorescence parameters for organic electro-luminescence devices based on iridium complexes. 2009 , 358, 245-257		72
1542	Theoretical study on the absorption spectra of fac-Ir(ppy) ₃ in the amorphous phase of organic electro-luminescent devices. 2009 , 35, 851-863		16
1541	Synthesis and optophysical properties of blue-emitting iridium (III) complex bearing oxadiazole-based picolinic acid derivative. 2009 , 16, 380-384		2
1540	Theoretical studies on electronic structures and spectroscopic properties of a series of novel β -diketonate Os(II) complexes. 2009 , 122, 31-42		4
1539	Electroluminescence from monolayer of quantum dots formed by multiple dip-coating processes. 2009 , 246, 803-807		4
1538	Modeling excitation properties of iridium complexes. 2009 , 22, 845-856		24
1537	Phosphorescent organic light-emitting diodes using an iridium complex polymer as the solution-processible host material. 2009 , 47, 4358-4365		15
1536	A review on the light extraction techniques in organic electroluminescent devices. 2009 , 32, 221-233		304
1535	Efficient red electrophosphorescence from a fluorene-based bipolar host material. <i>Organic Electronics</i> , 2009 , 10, 871-876	3.5	100
1534	P-type doping of organic wide band gap materials by transition metal oxides: A case-study on Molybdenum trioxide. <i>Organic Electronics</i> , 2009 , 10, 932-938	3.5	368
1533	Photophysical properties, X-ray structures, electrochemistry, and DFT computational chemistry of osmium complexes. 2009 , 362, 1611-1618		17
1532	Blue phosphorescent iridium complexes based on 2-(fluoro substituted phenyl)-4-methylpyridines: Synthesis, crystal structure, and photophysics. 2009 , 362, 2183-2188		21
1531	Efficient red-emitting cyclometalated iridium(III) complex and applications of organic light-emitting diode. 2009 , 362, 5017-5022		17
1530	Synthesis of a novel tris-cyclometalated iridium(III) complex containing triarylamine unit and its application in OLEDs. 2009 , 362, 4985-4990		19
1529	Efficient red electrophosphorescent organic light-emitting diodes based on the new sensitized heteroleptic tris-cyclometalated Ir(III) complexes. 2009 , 517, 4119-4121		16

1528	Efficiency improvement of flexible fluorescent and phosphorescent organic light emitting diodes by inserting a spin-coating buffer layer. 2009 , 517, 5338-5342		5
1527	Synthesis and electro-optical properties of carbazole derivatives with high band gap energy. 2009 , 518, 284-289		5
1526	Visible to near-infrared organic light-emitting diodes using phosphorescent materials by solution process. 2009 , 518, 551-554		5
1525	Vapor deposition polymerization of vinyl compounds and fabrication of OLED having double emissive layers. 2009 , 518, 703-706		12
1524	Fluorine cleavage of the light blue heteroleptic triplet emitter Flrpic. 2009 , 130, 640-649		191
1523	Improving the color purity and efficiency of blue organic light-emitting diodes (BOLED) by adding hole-blocking layer. 2009 , 129, 1292-1297		18
1522	Synthesis, structures, and photophysical properties of fluorine-functionalized yellow-emitting iridium complexes. 2009 , 31, 905-911		37
1521	A highly efficient tris-cyclometalated iridium complex based on phenylphthalazine derivative for organic light-emitting diodes. <i>Organic Electronics</i> , 2009 , 10, 618-622	3-5	25
1520	A green emitting iridium(III) complex with narrow emission band and its application to phosphorescence organic light-emitting diodes (OLEDs). <i>Organic Electronics</i> , 2009 , 10, 1066-1073	3-5	50
1519	Efficient single layer RGB phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2009 , 10, 1146-1151	3-5	42
1518	Copolymers containing pendant styryltriphenylamine and carbazole groups: Synthesis, optical, electrochemical properties and its blend with Ir(ppy) ₃ . 2009 , 50, 410-417		12
1517	Efficient white polymer-light-emitting-diodes based on polyfluorene end-capped with yellowish-green fluorescent dye and blended with a red phosphorescent iridium complex. 2009 , 50, 2558-2564 ¹⁵		
1516	A novel series of iridium complexes with alkenylquinoline ligands: Theoretical study on electronic structure and spectroscopic property. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 150-156	2-3	4
1515	Four-coordinate boron compounds derived from 2-(2-pyridyl)phenol ligand as novel hole-blocking materials for phosphorescent OLEDs. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 1922-1928	2-3	31
1514	Cyclometalated iridium complexes for conversion of light into electricity and electricity into light. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 2661-2670	2-3	183
1513	Synthesis, characterization, photophysics and electrophosphorescent applications of phosphorescent platinum cyclometalated complexes with 9-arylcarbazole moieties. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 2735-2749	2-3	61
1512	Application of heteroleptic iridium complexes with fluorenyl-modified 1-phenylisoquinoline ligand for high-efficiency red polymer light-emitting devices. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 3172-3178	2-3	5
1511	Challenges in organometallic research [Great opportunity for solar cells and OLEDs. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 2644-2647	2-3	38

1510	Introduction of new ancillary ligands to the iridium complexes having 2,3-diphenylquinolinato ligands for OLED. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 3325-3330	2.3	16
1509	Relationship between doping concentration and recombination zone in green phosphorescent light-emitting diodes. 2009 , 153, 33-36		1
1508	Heavy metal organometallic electrophosphors derived from multi-component chromophores. 2009 , 253, 1709-1758		564
1507	Excited state energy distributions in stereo selective white light emission of 1,2-dibenzthiazolyl ethylene isomers. 2009 , 473, 184-188		2
1506	Photoluminescence characteristics of tris(2-phenylquinoline)iridium(III) dispersed in an iridium complex host layer. 2009 , 483, 224-226		26
1505	Synthesis and electronic properties of double pincer-type cyclometalated iridium complexes. 2009 , 12, 41-44		10
1504	Cyclometalated iridium(III) complexes with dicyanamide or tricyanomethanide. 2009 , 12, 758-760		12
1503	Efficient red light phosphorescence emission in simple bi-layered structure organic devices with fluorescent host-phosphorescent guest system. 2009 , 9, 1151-1154		5
1502	Amidinate-ligated iridium(III) bis(2-pyridyl)phenyl complex as an excellent phosphorescent material for electroluminescence devices. 2009 , 3699-701		109
1501	Phosphorescence color tuning by ligand, and substituent effects of multifunctional iridium(III) cyclometalates with 9-arylcarbazole moieties. 2009 , 4, 89-103		127
1500	Investigation of FIrpic in PhOLEDs via LC/MS technique. 2009 , 7, 836-845		19
1499	Singlet-singlet energy transfer in self-assembled systems of the cationic poly{9,9-bis[6-N,N,N-trimethylammonium)hexyl]fluorene-co-1,4-phenylene} with oppositely charged porphyrins. 2009 , 113, 16093-100		23
1498	The New Iridium(III) Pyridyltetrazolate Complexes for Blue Phosphorescence. <i>Molecular Crystals and Liquid Crystals</i> , 2009 , 504, 67-75	0.5	4
1497	Diarylmethylene-bridged 4,4'-(bis(9-carbazolyl))biphenyl: morphological stable host material for highly efficient electrophosphorescence. 2009 , 19, 7661		18
1496	A Study on the Phosphorescent Blue Organic Light-Emitting Diodes Using Various Host Materials. <i>Molecular Crystals and Liquid Crystals</i> , 2009 , 507, 345-352	0.5	7
1495	Dynamic Behavior of Electroluminescence from Phosphor-Sensitized Red Fluorescent Organic Light-Emitting Diodes \square 2009 , 113, 11520-11523		7
1494	Phosphine-Oxide-Containing Bipolar Host Material for Blue Electrophosphorescent Devices. 2009 , 21, 1017-1022		133
1493	High Efficiency Red Phosphorescent Organic Light Emitting Diodes with Emission Structure of (TCTA/TCTA0.5TPBi0.5/TPBi):(pq)2Ir(acac). <i>Molecular Crystals and Liquid Crystals</i> , 2009 , 513, 268-276	0.5	1

1492	Efficient near-infrared organic light-emitting devices based on low-gap fluorescent oligomers. 2009 , 106, 044509		56
1491	Supramolecular Dendriphores: Anionic Organometallic Phosphors Embedded in Polycationic Dendritic Species. 2009 , 28, 1082-1092		12
1490	Exceptional Oxygen Sensing Capabilities and Triplet State Properties of Ir(ppy-NPh ₂) ₃ . 2009 , 21, 2173-2175		113
1489	The Blue Phosphorescent Iridium Complexes Containing New Triazole Ligands for OLEDs. <i>Molecular Crystals and Liquid Crystals</i> , 2009 , 504, 59-66	0.5	9
1488	Syntheses and structures of blue-luminescent mercury(II) complexes with 2,6-bis(imino)pyridyl ligands. 2009 , 48, 6034-43		47
1487	High-efficiency turquoise-blue electrophosphorescence from a Pt(II)-pyridyltriazolate complex in a phosphine oxide host. <i>Applied Physics Letters</i> , 2009 , 95, 233304	3.4	35
1486	Optical and electronic properties of phosphorescent iridium(III) complexes with phenylpyrazole and ancillary ligands. 2009 , 159, 113-118		27
1485	A new family of solution-processible tris-(pinene-phenylpyridine) iridium(III) derivatives for polymer light-emitting diodes. 2009 , 159, 689-694		2
1484	Photophysical and charge-transport properties of hole-blocking material-TAZ: A theoretical study. 2009 , 159, 1767-1771		6
1483	Synthesis and electro-optical properties of carbazole derivatives for organic device applications. 2009 , 159, 1870-1875		15
1482	Exceptionally efficient organic light emitting devices using high refractive index substrates. 2009 , 17, 7562-70		93
1481	Polarized organic light-emitting device on a flexible giant birefringent optical reflecting polarizer substrate. 2009 , 17, 10136-43		4
1480	Organic light-emitting devices fabricated using a premetered coating process. 2009 , 17, 21362-9		28
1479	Functional metallophosphors for effective charge carrier injection/transport: new robust OLED materials with emerging applications. 2009 , 19, 4457		484
1478	A fully diarylmethylene-bridged triphenylamine derivative as novel host for highly efficient green phosphorescent OLEDs. 2009 , 11, 1503-6		75
1477	1,3,5-Triazine derivatives as new electron transport type host materials for highly efficient green phosphorescent OLEDs. 2009 , 19, 8112		162
1476	A divergent synthesis of very large polyphenylene dendrimers with iridium(III) cores: molecular size effect on the performance of phosphorescent organic light-emitting diodes. <i>Journal of the American Chemical Society</i> , 2009 , 131, 14329-36	16.4	136
1475	The coordination chemistry of dipyritylbenzene: N-deficient terpyridine or panacea for brightly luminescent metal complexes?. 2009 , 38, 1783-801		250

1474	Near-UV phosphorescent emitters: N-heterocyclic platinum(ii) tetracarbene complexes. 2009 , 4786-94	66
1473	Solution-Processable, High-Molecule-Based Trifluoromethyl-Iridium Complex for Extraordinarily High Efficiency Blue-Green Organic Light-Emitting Diode. 2009 , 21, 2565-2567	65
1472	Preparation and characterization of phosphorescence organic light emitting diodes using PVK:Ir(ppy) ₃ emission layer. 2009 ,	1
1471	Correlated growth of organic material tris (8-hydroxyquinoline) aluminum (Alq ₃) and its relation to optical properties. 2009 , 106, 096101	2
1470	Blue phosphorescent Ir(III) complex with high color purity: fac-tris(2',6'-difluoro-2,3'-bipyridinato-N,C(4'))iridium(III). 2009 , 48, 1030-7	179
1469	Near-infrared phosphorescent polymeric nanomicelles: efficient optical probes for tumor imaging and detection. 2009 , 1, 1474-81	75
1468	Effective Suppression of Intra- and Interchain Triplet Energy Transfer to Polymer Backbone from the Attached Phosphor for Efficient Polymeric Electrophosphorescence. 2009 , 21, 3306-3314	31
1467	Norbornene-Based Copolymers Containing Platinum Complexes and Bis(carbazolyl)benzene Groups in Their Side-Chains. 2009 , 42, 6855-6864	61
1466	Effects of symmetry, shape, and structural parameters of two-dimensional SiN _x photonic crystal on the extracted light from Y ₂ O ₃ :Eu ³⁺ film. 2009 , 105, 043103	22
1465	A strategy towards p-type doping of organic materials with HOMO levels beyond 6 eV using tungsten oxide. 2009 , 19, 702	88
1464	Palladium diselenolenes: a new group of near-infrared lumophores. 2009 , 48, 4549-56	3
1463	Synthesis, Characterization, and Physical Properties of Cyclometalated Iridium(III) Complexes with 2-Phenylthiophene or 2-Phenylfuran Ligands. 2009 , 28, 6079-6089	19
1462	m-Terphenyl-modified carbazole host material for highly efficient blue and green PHOLEDs. 2009 , 6655-7	82
1461	Molecular engineering to improve the charge carrier balance in single-layer silole-based OLEDs. 2009 , 33, 1290	23
1460	Synthesis, structural characterization and photoluminescence properties of rhenium(I) complexes based on bipyridine derivatives with carbazole moieties. 2009 , 10563-9	33
1459	Nanoscale heterogeneity and light-emission dynamics in solution-processed phosphorescent organic light-emitting devices. 2009 , 11, 8684-8	3
1458	Dendritic Ir(III) complexes functionalized with triphenylsilylphenyl groups: Synthesis, DFT calculation and comprehensive structure-property correlation. 2009 , 19, 8347	54
1457	Cu(I) and Ag(I) complexes of 7-azaindolyl and 2,2'-dipyridylamino substituted 1,3,5-triazine and benzene: the central core impact on structure, solution dynamics and fluorescence of the complexes. 2009 , 1776-85	23

1456	Very high-efficiency red-electroluminescence devices based on an amidinate-ligated phosphorescent iridium complex. 2009 , 19, 8072		76
1455	The development of phenylethylene dendrons for blue phosphorescent emitters. 2009 , 19, 3213		34
1454	A New Blue Light-Emitting Material with Phenylbenzimidazole Moiety and Its Electroluminescence Properties. <i>Molecular Crystals and Liquid Crystals</i> , 2009 , 513, 311-319	0.5	1
1453	High-efficiency orange to near-infrared emissions from bis-cyclometalated iridium complexes with phenyl-benzoquinoline isomers as ligands. 2009 , 19, 6573		62
1452	Novel green-light-emitting hyperbranched polymers with iridium complex as core and 3,6-carbazole-co-2,6-pyridine unit as branch. 2009 , 19, 531-537		52
1451	Bridged triphenylamines as novel host materials for highly efficient blue and green phosphorescent OLEDs. 2009 , 3398-400		37
1450	Introduction. 2009 , 17, 1037		29
1449	Introduction. 2009 , 17, 629		28
1448	P-165: Highly Efficient Ink-Jet Printed Small Molecular Phosphorescent OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2009 , 40, 1734	0.5	3
1447	23.3: High Efficiency Green Phosphorescent OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2009 , 40, 314	0.5	4
1446	23.4: Invited Paper: Ideal Host-Dopant System for Highly Efficient Phosphorescent OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2009 , 40, 317	0.5	
1445	P-158: Highly Efficient Ionic p-i-n Phosphorescent OLEDs Made by Solution Processing. <i>Digest of Technical Papers SID International Symposium</i> , 2009 , 40, 1710	0.5	
1444	P-167: Effect of Energy Level of Hole-Blocking Layer on the Electroluminescence Characteristics of Highly Soluble Ir(III) Complex Based Phosphorescent Organic Light-Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2009 , 40, 1740	0.5	
1443	46.5L: Late-News Paper: Confinement of Triplet-Excited States by Fluorinated Polyvinylcarbazole for High Efficiency OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2009 , 40, 695	0.5	
1442	High efficiency blue phosphorescent organic light emitting diodes. 2009 ,		2
1441	Device degradation and the circular polarization of the electro-phosphorescent organic light-emitting diode with a ferromagnetic cathode. 2010 , 200, 062027		
1440	P-163: Carbazole-Isoquinoline Hybrid Bipolar Host Material for Highly Efficient Green Electrophosphorescent OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2010 , 41, 1860	0.5	
1439	60.1: Invited Paper: AMLCD and AMOLEDs: How do They Compare for Green Energy Efficiency?. <i>Digest of Technical Papers SID International Symposium</i> , 2010 , 41, 894	0.5	29

1438	White Electroluminescence Obtained from a Polymer Light-Emitting Diode Containing Two Phosphorescent Iridium (III) Complexes in an Emitting Layer. 2010 , 83, 207-214	7
1437	Highly Efficient Green Phosphorescent OLED Based on Pyridine-containing Starburst Electron-transporting Materials. 2010 , 39, 140-141	21
1436	Morphological stable spirobifluorene/oxadiazole hybrids as bipolar host materials for efficient green and red electrophosphorescence. 2010 , 5, 278-84	18
1435	Anion-Controlled Assembly of Silver(I) Complexes of Multiring Heterocyclic Ligands: A Structural and Photophysical Study. 2010 , 10, 1269-1282	43
1434	Low voltage red phosphorescent organic light-emitting devices with triphenylphosphine oxide and 4,4'-bis(2,2'-diphenylvinyl)-1,1'-biphenyl electron transport layers. 2010 , 10, 1108-1111	2
1433	Dibenzometallacyclopentadienes, boroles and selected transition metal and main group heterocyclopentadienes: Synthesis, catalytic and optical properties. 2010 , 254, 1950-1976	97
1432	Molecular hosts for triplet emitters in organic light-emitting diodes and the corresponding working principle. 2010 , 53, 1679-1694	34
1431	Red organic light emitting device with improved performance using a novel fluorescent dye codoped with phosphor-sensitizer. 2010 , 55, 2738-2743	1
1430	Performance and defects in phosphorescent organic light-emitting diodes. 2010 , 12, 1873-1876	14
1429	Isophorone-based fluorescent dopant for red organic electroluminescence device. 2010 , 21, 1280-1283	
1428	Optical properties of 2-aminopyridinium nitrate silver. 2010 , 45, 299-302	8
1427	Synthesis and Photophysical Properties of Substituted Tris(phenylbenzimidazolinato) Ir(III) Carbene Complexes as a Blue Phosphorescent Material. 2010 , 2010, 926-933	35
1426	Multifunctional Triphenylamine/Oxadiazole Hybrid as Host and Exciton-Blocking Material: High Efficiency Green Phosphorescent OLEDs Using Easily Available and Common Materials. 2010 , 20, 2923-2929	148
1425	De novo design of silicon-bridged molecule towards a bipolar host: all-phosphor white organic light-emitting devices exhibiting high efficiency and low efficiency roll-off. 2010 , 22, 5370-3	145
1424	Electrochemiluminescent Systems as Devices and Sensors. 2010 , 477-522	12
1423	Homoleptic tris(pyridyl pyrazolate) Ir(III) complexes: en route to highly efficient phosphorescent OLEDs. 2010 , 16, 4315-27	51
1422	1,5,9-Triazacoronenes: A Family of Polycyclic Heteroarenes Synthesized by a Threefold Pictet-Spengler Reaction. 2010 , 122, 8385-8389	17
1421	Disilanyl Double-Pillared Bisanthracene: A Bipolar Carrier Transport Material for Organic Light-Emitting Diode Devices. 2010 , 122, 7397-7400	16

1420	1,5,9-Triazacoronenes: a family of polycyclic heteroarenes synthesized by a threefold Pictet-Spengler reaction. 2010 , 49, 8209-13		77
1419	Disilanyl double-pillared bisanthracene: a bipolar carrier transport material for organic light-emitting diode devices. 2010 , 49, 7239-42		49
1418	An ethylcarbazole based phosphine oxide derivative as a host for deep blue phosphorescent organic light-emitting diode. 2010 , 130, 2238-2241		2
1417	Existence of optimum intermolecular spacing for maximum exciton diffusion length in tris(2-phenylpyridine) iridium(III). <i>Organic Electronics</i> , 2010 , 11, 67-73	3.5	7
1416	Bi- or ter-pyridine tris-substituted benzenes as electron-transporting materials for organic light-emitting devices. <i>Organic Electronics</i> , 2010 , 11, 1966-1973	3.5	24
1415	Characteristics of ZnS nanocolumn arrays and their effect on the light outcoupling of OLEDs. 2010 , 405, 3728-3731		5
1414	Deep-blue phosphorescent iridium complexes with picolinic acid N-oxide as the ancillary ligand for high efficiency organic light-emitting diodes. <i>Organic Electronics</i> , 2010 , 11, 564-572	3.5	76
1413	Can an organic phosphorescent dye act as a charge transporter?. <i>Organic Electronics</i> , 2010 , 11, 872-875	3.5	15
1412	Quenching-enhanced shift of recombination zone in phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2010 , 11, 1338-1343	3.5	22
1411	Synthesis, opto-physics, and electroluminescence of cyclometalated iridium (III) complex with alkyltrifluorene picolinic acid. 2010 , 66, 1483-1488		19
1410	Synthesis of fused phenylcarbazole phosphine oxide based high triplet energy host materials. 2010 , 66, 7295-7301		18
1409	Application of scalar-relativistic DFT approach for calculation of structural and electronic properties of mercaptobenzothiazolyl lanthanide complexes with luminescent activity. 2010 , 954, 124-129		8
1408	Red-phosphorescent OLEDs employing iridium (III) complexes based on 5-benzoyl-2-phenylpyridine derivatives. 2010 , 518, 6188-6194		14
1407	Strong ligand field effects of blue phosphorescent mono-cyclometalated iridium(III) complexes. 2010 , 518, 6199-6204		5
1406	Efficient Förster energy transfer from phosphorescent organic molecules to J-aggregate thin films. 2010 , 485, 243-246		11
1405	Temperature measurements of a phosphorescent organic light-emitting diode by Raman spectroscopy. 2010 , 488, 206-208		8
1404	Deuteration isotope effect on nonradiative transition of fac-tris (2-phenylpyridinato) iridium (III) complexes. 2010 , 491, 199-202		38
1403	Triplet state and phosphorescence of hole-transport layer and its triplet exciton confinement. 2010 , 499, 226-230		19

1402	Highly-efficiency red-emitting platinum (II) complexes containing 4?-diarylamino-1-phenylisoquinoline ligands in polymer light-emitting diodes: Synthesis, structure, photoelectron and electroluminescence. <i>Dyes and Pigments</i> , 2010 , 86, 166-173	4.6	34
1401	The tautomerism, solvatochromism and non-linear optical properties of fluorescent 3-hydroxyquinoxaline-2-carboxalidine-4-aminoantipyrine. <i>Dyes and Pigments</i> , 2010 , 87, 149-157	4.6	28
1400	Synthesis of water soluble PEG-functionalized iridium complex via click chemistry and application for cellular bioimaging. 2010 , 13, 1387-1390		24
1399	Iridium complex grafted to 3,6-carbazole-alt-tetraphenylsilane copolymers for blue electrophosphorescence. 2010 , 48, 1859-1865		34
1398	Solution Processable Ionic p-i-n Organic Light-Emitting Diodes. 2010 ,		
1397	Organic Light Emitting Diodes for White Light Emission. 2010 ,		1
1396	Solution processable single layer organic light-emitting devices with a single small molecular ionic iridium compound. 2010 , 108, 094506		32
1395	Color Stable White Organic Light-Emitting Diodes Having High Color Rendering Index Utilized by Simple-Hybrid Structures. 2010 , 13, J81		2
1394	Luminescent Iridium Complexes and Their Applications. 2010 , 113-142		32
1393	Charge modulated reflectance topography for probing in-plane carrier distribution in pentacene field-effect transistors. <i>Applied Physics Letters</i> , 2010 , 97, 113302	3.4	30
1392	Strong Ligand Field Effects of Blue Phosphorescent Iridium(III) Complexes. <i>Molecular Crystals and Liquid Crystals</i> , 2010 , 520, 97/[373]-107/[383]	0.5	
1391	Synthesis and Luminescence Studies of Hydrocarbon-Branched Tris-Cyclometallated Iridium (III) Complexes. <i>Molecular Crystals and Liquid Crystals</i> , 2010 , 520, 60/[336]-67/[343]	0.5	1
1390	Solvent-free, direct printing of organic semiconductors in atmosphere. <i>Applied Physics Letters</i> , 2010 , 96, 263301	3.4	14
1389	Highly efficient orange-red phosphorescent organic light-emitting diode using 2,7-bis(carbazolo-9-yl)-9,9-ditolyfluorene as the host. <i>Applied Physics Letters</i> , 2010 , 96, 143306	3.4	39
1388	Competitive emission process in mixed single layer top-emission organic light emitting device with reduced efficiency roll-off. <i>Applied Physics Letters</i> , 2010 , 97, 203302	3.4	16
1387	A study on the simple structural phosphorescent organic light-emitting diodes. 2010 ,		
1386	Highly efficient organic light-emitting diodes based on the red phosphorescent emitter sensitized by the green emitting iridium complex. 2010 ,		
1385	Analysis of metal-oxide-based charge generation layers used in stacked organic light-emitting diodes. 2010 , 107, 014514		62

- 1384 Metallodendrimers: Photophysical Properties and Related Applications. 185-207
- 1383 Organic Light-Emitting Diodes. 309-350
- 1382 Concentration quenching of electroluminescence in neat Ir(ppy)₃ organic light-emitting diodes. **2010**, 108, 083107 37
- 1381 Highly Efficient Phosphorescent Green Organic Light-Emitting Diodes with High Energy Gap Host Materials. *Molecular Crystals and Liquid Crystals*, **2010**, 530, 83/[239]-90/[246] 0.5
- 1380 Sensitivity of the photophysical properties of organometallic complexes to small chemical changes. **2010**, 133, 124314 12
- 1379 Phosphorescent Organic Light-Emitting Diodes with Simplified Device Architecture. *Japanese Journal of Applied Physics*, **2010**, 49, 08JG04 1.4 2
- 1378 Experimental observation of polarized electroluminescence from edge-emission organic light emitting devices. *Applied Physics Letters*, **2010**, 97, 233304 3-4 5
- 1377 3,6-Diarylcarbazole Derivatives as a Host Material in Organic Electrophosphorescent Diodes. *Japanese Journal of Applied Physics*, **2010**, 49, 080208 1.4 4
- 1376 Photoluminescence Characteristics of Organic Host Materials with Wide Energy Gaps for Organic Electrophosphorescent Devices. *Japanese Journal of Applied Physics*, **2010**, 49, 050205 1.4 1
- 1375 Dynamics of the excited states of [Ir(ppy)₂bpy]⁺ with triple phosphorescence. **2010**, 114, 10339-44 74
- 1374 Highly efficient, single-layer organic light-emitting devices based on a graded-composition emissive layer. *Applied Physics Letters*, **2010**, 97, 083308 3-4 57
- 1373 Zwitterionic iridium complexes: synthesis, luminescent properties, and their application in cell imaging. **2010**, 49, 3252-60 123
- 1372 The fragment spin difference scheme for triplet-triplet energy transfer coupling. **2010**, 133, 074105 53
- 1371 Synthesis and application of pyridine-based ambipolar hosts: control of charge balance in organic light-emitting devices by chemical structure modification. **2010**, 12, 5534-7 36
- 1370 Hole transport in the organic small molecule material μ NPd: evidence for the presence of correlated disorder. **2010**, 107, 113710 69
- 1369 The triplet state of fac-Ir(ppy)₃. **2010**, 49, 9290-9 283
- 1368 Stress-induced current and luminescence modulations in an organic light-emitting device. *Applied Physics Letters*, **2010**, 97, 203304 3-4 10
- 1367 Role of substitution on the photophysical properties of 5,5'-diaryl-2,2'-bipyridine (bpy*) in [Ir(ppy)₂(bpy*)]PF₆ complexes: a combined experimental and theoretical study. **2010**, 49, 5625-41 146

- 1366 Photophysical properties of the series fac- and mer-(1-phenylisoquinolinato-N²C^{2'})(x)(2-phenylpyridinato-N²C^{2'})(3-x)iridium(III) (x = 1-3). **2010**, 49, 9151-61 65
- 1365 High-efficiency green organic light-emitting devices utilizing phosphorescent bis-cyclometalated alkynylgold(III) complexes. *Journal of the American Chemical Society*, **2010**, 132, 14273-8 16.4 175
- 1364 Efficient Single-Layer Organic Light-Emitting Diodes Based on C545T-Alq3 System. **2010**, 114, 11931-11935 36
- 1363 Blue phosphorescent platinum(II) tetracarbene complexes with bis(triazoline-5-ylidene) ligands. **2010**, 39, 4295-301 58
- 1362 Small molecular glasses based on multiposition encapsulated phenyl benzimidazole iridium(III) complexes: toward efficient solution-processable host-free electrophosphorescent diodes. **2010**, 114, 141-50 52
- 1361 Cyclometalated Platinum(II) Complexes of Lepidine-Based Ligands as Highly Efficient Electrophosphors. **2010**, 29, 3912-3921 61
- 1360 Highly Efficient Phosphorescent Organic Light-Emitting Diodes Hosted by 1,2,4-Triazole-Cored Triphenylamine Derivatives: Relationship between Structure and Optoelectronic Properties. **2010**, 114, 601-609 95
- 1359 Managing Charge Balance and Triplet Excitons to Achieve High-Power-Efficiency Phosphorescent Organic Light-Emitting Diodes. **2010**, 2, 2813-2818 28
- 1358 Synthesis and Application of 1,3,4,5,7,8-Hexafluorotetracyanonaphthoquinodimethane (F6-TNAP): A Conductivity Dopant for Organic Light-Emitting Devices. **2010**, 22, 3926-3932 81
- 1357 Tuning the Photophysical Properties and Energy Levels by Linking Spacer and Topology between the Benzimidazole and Carbazole Units: Bipolar Host for Highly Efficient Phosphorescent OLEDs. **2010**, 114, 5193-5198 54
- 1356 Efficient and long-time stable red iridium(III) complexes for organic light-emitting diodes based on quinoxaline ligands. **2010**, 49, 397-406 64
- 1355 Rodlike fluorescent pi-conjugated 3,3'-bipyridazine ligand: optical, electronic, and complexation properties. **2010**, 49, 3991-4001 27
- 1354 Electrochemiluminescent functionalizable cyclometalated thiophene-based iridium(III) complexes. **2010**, 49, 1439-48 59
- 1353 White electroluminescence of lanthanide complexes resulting from exciplex formation. **2010**, 20, 2114 43
- 1352 Polarized electroluminescence from organic light-emitting devices using photon recycling. **2010**, 18, 19824-30 13
- 1351 Fabrication and characterization of electro-phosphorescent organic light-emitting devices with a ferromagnetic cathode for observation of spin injection effect. **2010**, 160, 230-234 1
- 1350 Control of efficiency characteristics in green phosphorescent organic light-emitting devices. **2010**, 160, 35-38
- 1349 Pure red electroluminescence from novel heteroleptic cyclometalated platinum(II) emitters embedded in polyvinylcarbazole. **2010**, 160, 615-620 13

1348	Near-IR electromer emission from new ambipolar carbazole containing phosphorescent dendrimer based organic light emitting diode. 2010 , 160, 1994-1999		11
1347	Synthesis, characterization and electroluminescence properties of iridium complexes based on pyridazine and phthalazine derivatives with C [^] NN structure. 2010 , 160, 2231-2238		27
1346	Theoretical studies of electronic structure and hole drift mobility of host hole transporting material 4,4'-N,N'-dicarbazol-biphenyl. 2010 , 160, 2104-2108		9
1345	Thermal aging of single-layer polymer light-emitting diodes composed of a carbazole and oxadiazole containing copolymer doped with singlet or triplet emitters. 2010 , 160, 2486-2493		7
1344	E-type delayed fluorescence of a phosphine-supported Cu ₂ (μ-NAr ₂) ₂ diamond core: harvesting singlet and triplet excitons in OLEDs. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9499-508	16.4	394
1343	Organic crystals: properties, devices, functionalization and bridges to bio-molecules. 2010 , 39, 2667-94		53
1342	Unexpected metal-mediated oxidation of hydroxymethyl groups to coordinated carboxylate groups by bis-cyclometalated iridium(III) centers. 2010 , 34, 2622		13
1341	Introduction. 2010 , 18, 103		
1340	Phosphine Oxide Derivatives as Hosts for Blue Phosphors: A Joint Theoretical and Experimental Study of Their Electronic Structure. 2010 , 22, 247-254		89
1339	Properties of Fluorenyl Silanes in Organic Light Emitting Diodes. 2010 , 22, 1724-1731		33
1338	Synthesis, characterization, and photophysical properties of a thiophene-functionalized bis(pyrazolyl) pyridine (BPP) tricarbonyl rhenium(I) complex. 2010 , 39, 7692-9		20
1337	Direct hole injection in to 4,4'-N,N'-dicarbazole-biphenyl: A simple pathway to achieve efficient organic light emitting diodes. 2010 , 108, 024510		41
1336	Controlling charge balance and exciton recombination by bipolar host in single-layer organic light-emitting diodes. 2010 , 108, 034508		63
1335	Study of ion-paired iridium complexes (soft salts) and their application in organic light emitting diodes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3133-9	16.4	129
1334	Effects of counter anions on intense photoluminescence of 1-D chain gold(I) complexes. 2010 , 49, 7129-34		41
1333	Efficient electrogenerated chemiluminescence from osmium(II) polypyridine systems containing tetraphenylarsine or diphenylphosphine ligands. 2010 , 39, 1586-90		13
1332	Study on Non-enzymatic Glucose Sensor Based on a Ag ₂ O Nanoparticles Self-Assembled Ag Electrode. 2010 ,		
1331	Diarylmethylene-bridged triphenylamine derivatives encapsulated with fluorene: very high T _g host materials for efficient blue and green phosphorescent OLEDs. 2010 , 20, 3232		57

1330	Theoretical study on the electron transfer and phosphorescent properties of iridium(III) complexes with 2-phenylpyridyl and 8-hydroxyquinolate ligands. 2010 , 39, 7733-40		30
1329	Small Molecular Reddish-White Light Emitting Electrophosphorescent Devices with Solution Processed Emission Layer. <i>Molecular Crystals and Liquid Crystals</i> , 2010 , 531, 27/[327]-32/[332]	0.5	0
1328	Carbazole endcapped heterofluorenes as host materials: theoretical study of their structural, electronic, and optical properties. 2010 , 12, 15448-58		47
1327	Surface diffusion of Ir(ppy) ₃ on Cu(111). 2010 , 82,		8
1326	Causes of efficiency roll-off in phosphorescent organic light emitting devices: Triplet-triplet annihilation versus triplet-polaron quenching. <i>Applied Physics Letters</i> , 2010 , 97, 243304	3-4	155
1325	Enhanced Electroluminescence Efficiency of Phosphorescent Organic Light-Emitting Diodes by Controlling the Triplet Energy of the Hole-Blocking Layer. 2010 , 31, 452-454		3
1324	High Efficiency Red Phosphorescent Organic Light Emitting Diodes with Single Quantum Well Structure. <i>Molecular Crystals and Liquid Crystals</i> , 2010 , 530, 131/[287]-136/[292]	0.5	
1323	Blue phosphorescent iridium(III) complexes containing carbazole-functionalized phenylpyridine for organic light-emitting diodes: energy transfer from carbazolyl moieties to iridium(III) cores. 2011 , 1, 755		22
1322	ToF-SIMS imaging of the nanoscale phase separation in polymeric light emitting diodes: effect of nanostructure on device efficiency. 2011 , 136, 716-23		12
1321	Tuning emission wavelength and redox properties through position of the substituent in iridium(III) cyclometalated complexes. 2011 , 40, 1028-30		53
1320	Carbazole-Benzimidazole hybrid bipolar host materials for highly efficient green and blue phosphorescent OLEDs. 2011 , 21, 14971		84
1319	High-performance blue and green electrophosphorescence achieved by using carbazole-containing bipolar tetraarylsilanes as host materials. 2011 , 21, 11197		32
1318	Relativistic effects in a phosphorescent Ir(III) complex. 2011 , 83,		38
1317	Effects of Symmetry of Ir (III) Complex on the Photophysical Properties and Device Performances. <i>Molecular Crystals and Liquid Crystals</i> , 2011 , 550, 284-293	0.5	
1316	A luminescent cyclometalated platinum(II) complex and its green organic light emitting device with high device performance. 2011 , 47, 3383-5		114
1315	Vinyl-type polynorbornene with 9,9'-(1,1'-biphenyl)-4,4'-diylbis-9H-carbazole side groups as a host material for highly efficient green phosphorescent organic light-emitting diodes. 2011 , 21, 5422		40
1314	Using a double-doping strategy to prepare a bilayer device architecture for high-efficiency red PhOLEDs. 2011 , 21, 1846-1851		25
1313	An effective strategy for small molecular solution-processable iridium(III) complexes with ambipolar characteristics: towards efficient electrophosphorescence and reduced efficiency roll-off. 2011 , 21, 15405		34

1312	Synthesis, structure and efficient electroluminescence of a heteroleptic dipyriddyamido/bis(pyridylphenyl)iridium(III) complex. 2011 , 47, 5726-8	19
1311	Dithiolate-appended iridium(III) complex with dual functions of reducing and capping agent for the design of small-sized gold nanoparticles. <i>Journal of the American Chemical Society</i> , 2011 , 133, 6501-4	16.4 21
1310	Blue-light emission of Cu(I) complexes and singlet harvesting. 2011 , 50, 8293-301	354
1309	MetalLigand Bonding Strength of Fluoro-Substituted Cyclometalated Iridium(III) Complexes from Raman and Infrared Spectra. 2011 , 115, 17163-17174	17
1308	Unusual dinuclear and mononuclear cyclometalated iridium complexes of 2,5-diaryl-1,3,4-oxadiazole derivatives. 2011 , 50, 3354-62	38
1307	Harmonizing Triplet Level and Ambipolar Characteristics of Wide-Gap Phosphine Oxide Hosts toward Highly Efficient and Low Driving Voltage Blue and Green PHOLEDs: An Effective Strategy Based on Spiro-Systems. 2011 , 23, 5331-5339	87
1306	Regioselective aromatic substitution reactions of cyclometalated Ir(III) complexes: synthesis and photochemical properties of substituted Ir(III) complexes that exhibit blue, green, and red color luminescence emission. 2011 , 50, 806-18	67
1305	Organic Semiconductors. 2011 , 448-507	7
1304	A Polyboryl-Functionalized Triazine as an Electron Transport Material for OLEDs. 2011 , 30, 5552-5555	54
1303	Synthesis and characterization of neutral luminescent diphosphine pyrrole- and indole-aldimine copper(I) complexes. 2011 , 50, 7172-88	86
1302	DFT/TDDFT study on the electronic structures and optoelectronic properties of several red-emitting osmium(II) complexes with different P^P ancillary ligands. 2011 , 40, 11131-7	14
1301	Theoretical Studies of Mono-Cyclometalated Ir(III) Complexes with Phenylpyrazole Based Ligands and Phosphines. <i>Molecular Crystals and Liquid Crystals</i> , 2011 , 551, 24-32	0.5 5
1300	A phosphorescent material with high and balanced carrier mobility for efficient OLEDs. 2011 , 47, 3150-2	47
1299	Photophysical properties of 9,10-disubstituted anthracene derivatives in solution and films. 2011 , 115, 7401-5	24
1298	Approaches to Solution-Processed Multilayer Organic Light-Emitting Diodes Based on Cross-Linking□ 2011 , 23, 658-681	172
1297	Linear and nonlinear optical properties of cationic bipyridyl iridium(III) complexes: tunable and photoswitchable?. 2011 , 50, 5027-38	90
1296	RGB Phosphorescent Organic Light-Emitting Diodes by Using Host Materials with Heterocyclic Cores: Effect of Nitrogen Atom Orientations. 2011 , 23, 274-284	223
1295	Mesogenic bent-shaped nitrooxadiazoles and thiadiazoles. 2011 , 38, 191-199	20

1294	Negative polaron and triplet exciton diffusion in organometallic "molecular wires". <i>Journal of the American Chemical Society</i> , 2011 , 133, 11289-98	16.4	66
1293	A series of CBP-derivatives as host materials for blue phosphorescent organic light-emitting diodes. 2011 , 21, 2266-2273		77
1292	Relating charge transport and performance in single-layer graded-composition organic light-emitting devices. 2011 , 110, 084515		16
1291	OLED Lighting Technology. 2011 , 97-149		2
1290	Controlling Aggregation in Highly Emissive Pt(II) Complexes Bearing Tridentate Dianionic N?N?N Ligands. Synthesis, Photophysics, and Electroluminescence. 2011 , 23, 3659-3667		83
1289	Diarylethene-containing cyclometalated platinum(II) complexes: tunable photochromism via metal coordination and rational ligand design. <i>Journal of the American Chemical Society</i> , 2011 , 133, 12690-705	16.4	150
1288	Phosphorescence vs fluorescence in cyclometalated platinum(II) and iridium(III) complexes of (oligo)thienylpyridines. 2011 , 50, 3804-15		185
1287	Energy transfer from exciplexes to dopants and its effect on efficiency of organic light-emitting diodes. 2011 , 110, 124519		54
1286	Thin-film transistor as a probe to study carrier transport in amorphous organic semiconductors. 2011 , 1, 011011		2
1285	A codeposition route to CuI-pyridine coordination complexes for organic light-emitting diodes. <i>Journal of the American Chemical Society</i> , 2011 , 133, 3700-3	16.4	227
1284	Electro-Optical Applications of Conjugated Polymer Thin Films. 2011 , 319-377		3
1283	Emissive metallomesogens based on 2-phenylpyridine complexes of iridium(III). <i>Journal of the American Chemical Society</i> , 2011 , 133, 5248-51	16.4	79
1282	An Overview of Organic Light-Emitting Diodes and their Applications. 2011 , 73-107		7
1281	Fabrication and electrical characterization of red organic light emitting diode using an isatin derivative as an organic chromophore. 2011 , 50, 044002		2
1280	Luminescent metal complexes of d6, d8 and d10 transition metal centres. 2011 , 47, 11579-92		431
1279	Spontaneous buckling in flexible organic light-emitting devices for enhanced light extraction. 2011 , 19 Suppl 5, A1117-25		17
1278	Cyclometalated iridium(III) complexes with 5-acetyl-2-phenylpyridine derived ligands for red phosphorescent OLEDs. 2011 , 161, 1113-1121		14
1277	Multifunctional Materials in High-Performance OLEDs: Challenges for Solid-State Lighting 2011 , 23, 621-630		447

1276	Introduction. 2011 , 19, 94		4
1275	Introduction. 2011 , 19, 838		16
1274	Introduction. 2011 , 19, 861		10
1273	Introduction. 2011 , 19, 346		13
1272	Highly simplified small molecular phosphorescent organic light emitting devices with a solution-processed single layer. 2011 , 1, 032130		7
1271	Development of New Phosphine Ligands (BRIDPs) for Efficient Palladium-Catalyzed Coupling Reactions and Their Application to Industrial Processes. 2011 , 69, 1231-1240		8
1270	P-175: Profile of Heterostructured Host for Phosphorescent OLED and its Application to the White Lighting Devices with Low Driving Voltage. <i>Digest of Technical Papers SID International Symposium</i> , 2011 , 42, 1757-1759	0.5	
1269	Differences of Structures and Electronic Properties in the Triplet States between Dibromo and Dichloro Mononuclear Polypyridine Iridium(III) Complexes. 2011 , 84, 1347-1354		1
1268	An π -Carboline-containing Host Material for High-efficiency Blue and Green Phosphorescent OLEDs. 2011 , 40, 306-308		41
1267	Luminescence Characteristics for Blends of Iridium Complexes with Liquid Crystalline Ligands. 2011 , 68, 115-121		
1266	Aggregation of non-amphiphilic bathophenanthroline in the restricted geometry of Langmuir-Blodgett films with two different matrices. 2011 , 520, 537-542		6
1265	High power efficiency in single layer blue phosphorescent organic light-emitting diodes. 2011 , 131, 2788-2791	11	
1264	Highly efficient phosphorescent organic light-emitting diodes using a beryllium metal chelate complex as electron-transporting host material. <i>Organic Electronics</i> , 2011 , 12, 1783-1787	3.5	10
1263	Meta-linked CBP-derivatives as host materials for a blue iridium carbene complex. <i>Organic Electronics</i> , 2011 , 12, 2047-2055	3.5	51
1262	fac-Tris(2-phenylpyridine)iridium (III)s, covalently surrounded by six bulky host dendrons, for a highly efficient solution-processed organic light emitting device. <i>Organic Electronics</i> , 2011 , 12, 2103-2110	3.5	22
1261	1,3,6,8-Tetrakis[(triisopropylsilyl)ethynyl]pyrene: A highly efficient solid-state emitter for non-doped yellow electroluminescence devices. <i>Organic Electronics</i> , 2011 , 12, 2236-2242	3.5	18
1260	Electroluminescence of organic light-emitting diodes consisting of an undoped (pbi) ₂ Ir(acac) phosphorescent layer. 2011 , 406, 4249-4252		5
1259	Effect of the environment on tris(2-phenylpyridine) iridium molecules embedded in a polyvinyl carbazole matrix. 2011 , 517, 71-75		2

1258	Electrogenerated chemiluminescence from osmium(II) polypyridine carbonyl chloride systems. 2011 , 378, 202-205	3
1257	The triplet state of organo-transition metal compounds. Triplet harvesting and singlet harvesting for efficient OLEDs. 2011 , 255, 2622-2652	908
1256	A computational approach to the electronic and optical properties of Ru(II) and Ir(III) polypyridyl complexes: Applications to DSC, OLED and NLO. 2011 , 255, 2704-2726	143
1255	Organic host materials for phosphorescent organic light-emitting diodes. 2011 , 40, 2943-70	983
1254	Bipolar heteroleptic green iridium dendrimers containing oligocarbazole and oxadiazole dendrons for bright and efficient nondoped electrophosphorescent devices. 2011 , 6, 1372-80	30
1253	Bis(carbazolyl)benzodifuran has a high triplet energy level for application in blue phosphorescent OLED. 2011 , 6, 2296-300	16
1252	Density Functional Theory Study of Photophysical Properties of Iridium(III) Complexes with Phenylisoquinoline and Phenylpyridine Ligands. 2011 , 115, 20724-20731	69
1251	Iridium(III) complexes with orthometalated phenylimidazole ligands subtle turning of emission to the saturated green colour. 2011 , 21, 507-19	32
1250	Evidence for strong mixing between the LC and MLCT excited states in some heteroleptic iridium(III) complexes. 2011 , 21, 1585-97	16
1249	Ionic liquid adsorbate enhanced electrogenerated chemiluminescence of ruthenium, osmium, and iridium complexes in water. 2011 , 656, 34-40	11
1248	Vibronic interactions in hole-transporting molecules: An interplay with electron-hole interactions. 2011 , 507, 151-156	3
1247	Platinum complexes as phosphorescent emitters in highly efficient organic light-emitting diodes. 2011 , 15, 256-261	2
1246	Optoelectronic properties of new functionalized heteroleptic iridium complex. 2011 , 18, 63-67	
1245	Solution processable high band gap hosts based on carbazole functionalized cyclic phosphazene cores for application in organic light-emitting diodes. 2011 , 49, 531-539	29
1244	Characterization of Ir(ppy) ₃ and [Ir(ppy) ₂ bpy] ⁺ by infrared, Raman spectra and surface-enhanced Raman scattering. 2011 , 42, 332-338	17
1243	Random Copolymers with Pendant Cationic Mixed-Ligand Terpyridine-Based Iridium (III) Complexes: Synthesis and Application in Light-Emitting Devices. 2011 , 212, 1616-1628	21
1242	Influence of Substituted Pyridine Rings on Physical Properties and Electron Mobilities of 2-Methylpyrimidine Skeleton-Based Electron Transporters. 2011 , 21, 336-342	118
1241	Bipolar Tetraarylsilanes as Universal Hosts for Blue, Green, Orange, and White Electrophosphorescence with High Efficiency and Low Efficiency Roll-Off. 2011 , 21, 1168-1178	215

1240	Reduction of Tungsten Oxide: A Path Towards Dual Functionality Utilization for Efficient Anode and Cathode Interfacial Layers in Organic Light-Emitting Diodes. 2011 , 21, 1489-1497	90
1239	Investigating Morphology and Stability of Fac-tris (2-phenylpyridyl)iridium(III) Films for OLEDs. 2011 , 21, 2225-2231	41
1238	Is Poly(vinylcarbazole) a Good Host for Blue Phosphorescent Dopants in PLEDs? Dimer Formation and Their Effects on the Triplet Energy Level of Poly(N-vinylcarbazole) and Poly(N-Ethyl-2-Vinylcarbazole). 2011 , 21, 3350-3356	78
1237	Recent progresses on materials for electrophosphorescent organic light-emitting devices. 2011 , 23, 926-52	1156
1236	Highly efficient orange and white organic light-emitting diodes based on new orange iridium complexes. 2011 , 23, 2823-7	190
1235	Host and dopant materials for idealized deep-red organic electrophosphorescence devices. 2011 , 23, 2981-5	165
1234	High-efficiency solution-processed small molecule electrophosphorescent organic light-emitting diodes. 2011 , 23, 3590-6	173
1233	Highly efficient green and blue-green phosphorescent OLEDs based on iridium complexes with the tetraphenylimidodiphosphate ligand. 2011 , 23, 4041-6	265
1232	Bipolar host materials: a chemical approach for highly efficient electrophosphorescent devices. 2011 , 23, 3876-95	443
1231	Synthesis, Structures, and Unique Luminescent Properties of Tridentate C?C?N Cyclometalated Complexes of Iridium. 2011 , 2011, 2869-2878	31
1230	Theoretical Study of Phosphorescence of Iridium Complexes with Fluorine-Substituted Phenylpyridine Ligands. 2011 , 2011, 2517-2524	76
1229	Design and Synthesis of Blue-Emitting Cyclometalated Iridium(III) Complexes Based on Regioselective Functionalization. 2011 , 2011, 5360-5369	38
1228	Photophysical and Electrochemical Properties of Thiophene-Based 2-Arylpyridines. 2011 , 2011, 5587-5598	16
1227	Phosphorescence energies of organic light-emitting diodes from spin-flip Tamm-Dancoff approximation time-dependent density functional theory. 2011 , 12, 3331-6	21
1226	Spin-orbit coupling in phosphorescent iridium(III) complexes. 2011 , 12, 2429-38	56
1225	Periodic Mesoporous Organosilica Derivatives Bearing a High Density of Metal Complexes on Pore Surfaces. 2011 , 123, 11871-11875	16
1224	Periodic mesoporous organosilica derivatives bearing a high density of metal complexes on pore surfaces. 2011 , 50, 11667-71	73
1223	Luminescent cyclometalated dialkynylgold(III) complexes of 2-phenylpyridine-type derivatives with readily tunable emission properties. 2011 , 17, 130-42	100

1222	Towards highly efficient blue-phosphorescent organic light-emitting diodes with low operating voltage and excellent efficiency stability. 2011 , 17, 445-9		57
1221	Fluorene-based phosphine oxide host materials for blue electrophosphorescence: an effective strategy for a high triplet energy level. 2011 , 17, 2592-6		39
1220	A simple phosphine-oxide host with a multi-insulating structure: high triplet energy level for efficient blue electrophosphorescence. 2011 , 17, 5800-3		145
1219	A new phosphine oxide host based on ortho-disubstituted dibenzofuran for efficient electrophosphorescence: towards high triplet state excited levels and excellent thermal, morphological and efficiency stability. 2011 , 17, 8947-56		59
1218	High efficiency green phosphorescent OLEDs with triplet exciton confinement architecture. 2011 , 11, 311-314		12
1217	Solution-processable double-layered ionic p-i-n organic light-emitting diodes. 2011 , 11, 673-676		3
1216	Control of motion of fullerene colloids by dielectrophoretic force for electronic paper-like display. 2011 , 11, 1192-1196		8
1215	Improved color purity and electroluminescent efficiency obtained by modulating thicknesses and evaporation rates of hole block and electron transport layers. 2011 , 257, 3033-3038		4
1214	Carbazole and arylamine functionalized iridium complexes for efficient electro-phosphorescent light-emitting diodes. 2011 , 370, 340-345		16
1213	Organic thin film structures for high-sensitivity imaging of contact stress distributions. <i>Organic Electronics</i> , 2011 , 12, 306-311	3-5	8
1212	Cyclometalated Ir(III) complexes containing N-aryl picolinamide ancillary ligands. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 2711-2719	2-3	10
1211	Synthesis and characterization of blue phosphorescent cyclometalated Ir(III) complexes containing 2-(imidazol-2-yl)pyridine as ancillary ligand. 2011 , 131, 909-914		4
1210	Photophysical characteristics of 4,4'-bis(N-carbazolyl)tolan derivatives and their application in organic light emitting diodes. 2011 , 131, 1520-1524		11
1209	Synthesis and characterization of one star-shaped polymer with charged iridium complex as luminescent core. 2011 , 131, 2166-2173		6
1208	Efficient green-phosphorescent light-emitting diodes based on polymeric binary-host systems. 2011 , 131, 2589-2592		6
1207	Triplet to singlet transition induced low efficiency roll-off in green phosphorescent organic light-emitting diodes. 2011 , 519, 2540-2543		6
1206	Efficiency optimization of green phosphorescent organic light-emitting device. 2011 , 519, 3259-3263		17
1205	4,4',4'-Tris(N-carbazolyl)-triphenylamine interlayer in highly efficient phosphorescent organic light emitting diodes based on tris[4-methyl-2-(4'-trimethylsilylphenyl)pyridine]iridium complex. 2011 , 519, 6073-6076		15

1204	High efficiency electrophosphorescence from bilayer organic light emitting diodes. 2011 , 44, 365103		4
1203	Evaluation of Carrier Density in Organic Field-Effect Transistor by Charge Modulated Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 04DK12	1.4	
1202	Very low color-temperature organic light-emitting diodes for lighting at night. 2011 ,		1
1201	Energy transfer dynamics in organic light emitting diode emission layers doped with triplet emitters. 2011 , 110, 053712		7
1200	Luminescence degradation in phosphorescent organic light-emitting devices by hole space charges. 2011 , 109, 044501-044501-6		22
1199	Organic vapor jet printing at micrometer resolution using microfluidic nozzle arrays. <i>Applied Physics Letters</i> , 2011 , 98, 013302	3.4	22
1198	Improvement of Mixed Electron Transport Structure Red Phosphorescent Organic Light-Emitting Diodes. <i>Molecular Crystals and Liquid Crystals</i> , 2011 , 538, 53-60	0.5	2
1197	Study on the Rubrene Emission Sensitized by a Phosphorescent Ir Compound in the Host of CBP. 2011 , 110-116, 4512-4517		
1196	Synthesis and Photophysical Properties of Red-Emitting Iridium (III) Complex Bearing Benzothiazole. 2011 , 399-401, 1131-1134		
1195	Transparent oxide/metal/oxide trilayer electrode for use in top-emitting organic light-emitting diodes. 2011 , 1, 011023		13
1194	Both Luminous Efficiency and Lifetime Enhancement in Blue Fluorescence OLEDs by Modifying Molecular Structure of Hole Transporting Material. 2011 , 1286, 9		
1193	Phosphorescent Organic Light-emitting Devices to Sense Contact Stresses. 2011 , 1358, 60401		
1192	A Saturated Red-Emitting Phosphorescent Iridium(III) Complex for Application in Organic Light Emitting Diodes. 2011 , 158, J243		7
1191	Current Density Dependence of Transient Electroluminescence in Phosphorescent Organic Light-Emitting Diodes. 2011 , 1286, 12		
1190	Horizontal Orientation of a Linear-Shaped Platinum(II) Complex in Organic Light-Emitting Diodes with a High Light Out-Coupling Efficiency. 2011 , 4, 071602		25
1189	Current-Density Dependence of Transient Properties in Green Phosphorescent Organic Light-Emitting Diodes. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 04DK05	1.4	3
1188	Enhancement of Electron Injection in Organic Light-Emitting Diodes with Photosensitive Charge Generation Layer. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 01BC11	1.4	
1187	Synthesis and Photophysical Properties of Blue Mono-Cyclometalated Ir(III) Complexes with Phenylpyridine Based Ligands and Phosphines. <i>Molecular Crystals and Liquid Crystals</i> , 2011 , 539, 73/[413]-82/[422]	0.5	

1186	Novel transport materials for high-performance fluorescent and phosphorescent OLEDs. <i>Journal of Information Display</i> , 2011 , 12, 141-144	4.1	4
1185	Pt(II) complex based phosphorescent organic light emitting diodes with external quantum efficiencies above 20%. <i>Applied Physics Letters</i> , 2011 , 98, 213301	3.4	53
1184	Luminescence Comparison of Iridium(III) Complexes Containing Symmetric vs. Asymmetric Quinolate Ligands. <i>Molecular Crystals and Liquid Crystals</i> , 2011 , 538, 67-74	0.5	5
1183	Blue Phosphorescent Organic Light-Emitting Diodes Based on SFX2PO Host. 2012 , 549, 975-978		
1182	Synthesis, Structures, and Luminescent Properties of a Yellow-Emitting Iridium Complex. 2012 , 496, 294-297		
1181	White Organic Light-Emitting Diodes Using Two Phosphorescence Materials in a Starburst Hole-Transporting Layer. 2012 , 2012, 1-7		1
1180	Fluorene-Type Polymer Photodetectors Doped with Iridium and Platinum Complexes as Opto-Electrical Conversion Devices. 2012 , 1435, 24		
1179	Deep Blue Phosphorescence of the Iridium(III) Complexes Containing N-Heterocyclic Carbene Ligands. <i>Molecular Crystals and Liquid Crystals</i> , 2012 , 567, 193-199	0.5	4
1178	Thermal study of the photonic band gap effect on a resonance energy transfer process. 2012 , 2, 021204		1
1177	Photoionization of tris(2-phenylpyridine)iridium. 2012 , 110, 1893-1908		5
1176	Carrier Transport Dependence on Phosphorescent Materials in Polymer Based OLEDs. 2012 , 1402, 60		
1175	The role of C-H and C-C stretching modes in the intrinsic non-radiative decay of triplet states in a Pt-containing conjugated phenylene ethynylene. 2012 , 136, 094905		17
1174	High power efficiency phosphorescent poly(dendrimer) OLEDs. 2012 , 20 Suppl 2, A213-8		16
1173	Highly circularly polarized white light using a combination of white polymer light-emitting diode and wideband cholesteric liquid crystal reflector. 2012 , 20, 24472-81		5
1172	Identification of device degradation positions in multi-layered phosphorescent organic light emitting devices using water probes. <i>Applied Physics Letters</i> , 2012 , 100, 183306	3.4	31
1171	Probing buried organic layers in organic light-emitting diodes under operation by electric-field-induced doubly resonant sum-frequency generation spectroscopy. <i>Applied Physics Letters</i> , 2012 , 101, 073304	3.4	28
1170	Hybrid white organic light-emitting diodes with a double light-emitting layer structure for high color-rendering index. 2012 , 112, 084504		39
1169	Polarized Emission Behavior of Pt Complex-Doped Polymer Films. <i>Molecular Crystals and Liquid Crystals</i> , 2012 , 563, 83-91	0.5	1

1168	Tuning Color of Charged Iridium (III) Complexes with a Spiro N,N'-Bidentate Ligand. 2012 , 229-231, 192-196	2
1167	Efficiency Control in Iridium Complex-Based Phosphorescent Light-Emitting Diodes. 2012 , 2012, 1-14	17
1166	Syntheses of a Green Organic Phosphorescence Materials and Studies on their Photoluminescent Properties. 2012 , 455-456, 880-883	
1165	Thiocyanate-free cyclometalated ruthenium sensitizers for solar cells based on heteroaromatic-substituted 2-arylpyridines. 2012 , 41, 11731-8	37
1164	Synthesis and properties of a dendritic FRET donor-acceptor system with cationic iridium(III) complex core and carbazolyl periphery. 2012 , 41, 2582-91	26
1163	Solution-processable carbazole-based host materials for phosphorescent organic light-emitting devices. <i>Organic Electronics</i> , 2012 , 13, 2235-2242	3-5 33
1162	1,3,4-Oxadiazole containing silanes as novel hosts for blue phosphorescent organic light emitting diodes. 2012 , 14, 4986-9	25
1161	A butterfly-like yellow luminescent Ir(III) complex and its application in highly efficient polymer light-emitting devices. 2012 , 22, 22496	30
1160	Highly efficient organic light-emitting diodes from delayed fluorescence. 2012 , 492, 234-8	4461
1159	Influence of phosphorescent dopants in organic light-emitting diodes with an organic homojunction. <i>Applied Physics Letters</i> , 2012 , 101, 243303	3-4 13
1158	Substituent effect on the photophysical properties, electrochemical properties and electroluminescence performance of orange-emitting iridium complexes. 2012 , 41, 6833-41	46
1157	Acid induced acetylacetonato replacement in biscyclometalated iridium(III) complexes. 2012 , 41, 3807-16	23
1156	Three-carbazole-armed host materials with various cores for RGB phosphorescent organic light-emitting diodes. 2012 , 22, 3447	85
1155	Exciplex emission from light-emitting diodes based on zinc complexes with sulfonilamino-substituted ligands. 2012 , 7, 415-420	4
1154	Luminescent iridium complexes for detection of molybdate. 2012 , 41, 628-35	6
1153	Exciplex electroluminescence and photoluminescence spectra of the new organic materials based on zinc complexes of sulphonylamino-substituted ligands. 2012 , 7, 206	20
1152	The study of visual image improvement of an organic light-emitting diode by dye-polarizer composed of optical film. 2012 , 58, 1755-1763	
1151	Recent progress in the understanding of exciton dynamics within phosphorescent OLEDs. 2012 , 209, 2341-2353	66

1150	Comparison of the carrier mobility, unipolar conduction, and light emitting characteristics of phosphorescent host-dopant system. 2012 , 162, 2355-2360	10
1149	Triplet-polaron quenching by charges on guest molecules in phosphorescent organic light emitting devices. <i>Applied Physics Letters</i> , 2012 , 101, 063502	3-4 32
1148	Solution-processable iridium complexes for efficient orange-red and white organic light-emitting diodes. 2012 , 22, 1411-1417	67
1147	Incorporation of a CN group into mCP: a new bipolar host material for highly efficient blue and white electrophosphorescent devices. 2012 , 22, 16114	127
1146	Benzimidazole-carbazole-based bipolar hosts for high efficiency blue and white electrophosphorescence applications. 2012 , 22, 13223	54
1145	Luminescent Ir(III) complexes containing benzothiazole-based tridentate ligands: synthesis, characterization, and application to organic light-emitting diodes. 2012 , 41, 44-6	49
1144	Fluorinated Carbazole Derivatives as Wide-Energy-Gap Host Material for Blue Phosphorescent Organic Light-Emitting Diodes. 2012 , 116, 20681-20687	25
1143	Novel electron-type host material for unilateral homogeneous phosphorescent organic light-emitting diodes with low efficiency roll-off. 2012 , 22, 23129	12
1142	Temporal stability of blue phosphorescent organic light-emitting diodes affected by thermal annealing of emitting layers. 2012 , 22, 23175	22
1141	High-efficiency single-layer organic light-emitting diode based on green fluorescent protein. 2012 , 92, 211-216	
1140	Simple CBP isomers with high triplet energies for highly efficient blue electrophosphorescence. 2012 , 22, 2894-2899	97
1139	A highly efficient red electrophosphorescent iridium(III) complex containing phenyl quinazoline ligand in polymer light-emitting diodes. 2012 , 22, 6878	33
1138	Carbazole/iridium dendrimer side-chain phosphorescent copolymers for efficient light emitting devices. 2012 , 36, 407-413	13
1137	Synthesis, characterization, and polarized luminescence properties of platinum(II) complexes having a rod-like ligand. 2012 , 41, 8379-89	12
1136	Computational design and selection of optimal building blocks and linking topologies for construction of high-performance host materials. 2012 , 2, 7860	23
1135	Peripheral modification of 1,3,5-triazine based electron-transporting host materials for sky blue, green, yellow, red, and white electrophosphorescent devices. 2012 , 22, 15620	43
1134	A New Starburst DCM-Type Red-Light-Emitting Material for Electroluminescence Applications: Physical and Electroluminescent Characteristics of TNGT. 2012 ,	
1133	Bis-cyclometalated iridium(III) complexes bearing ancillary guanidinate ligands. Synthesis, structure, and highly efficient electroluminescence. 2012 , 51, 822-35	42

1132	Synthesis, structure, photophysical and electrochemical properties of series of new fac-triscyclometallated iridium complexes with carbazole or oxadiazole moieties. 2012 , 391, 50-57		19
1131	Effects of N-Substitution on Phosphorescence Efficiency and Color Tuning of a Series of Ir(III) Complexes with a Phosphite Tripod Ligand: A DFT/TDDFT Study. 2012 , 116, 26496-26506		37
1130	Deep-Blue-Emitting Heteroleptic Iridium(III) Complexes Suited for Highly Efficient Phosphorescent OLEDs. 2012 , 24, 3684-3695		176
1129	Modified 4,4',4''-Tri(N-carbazolyl)triphenylamine as a Versatile Bipolar Host for Highly Efficient Blue, Orange, and White Organic Light-Emitting Diodes. 2012 , 116, 15041-15047		43
1128	Hybrid Heterocycle-Containing Electron-Transport Materials Synthesized by Regioselective Suzuki Cross-Coupling Reactions for Highly Efficient Phosphorescent OLEDs with Unprecedented Low Operating Voltage. 2012 , 24, 3817-3827		41
1127	Solution-Processed Double-Silicon-Bridged Oxadiazole/Arylamine Hosts for High-Efficiency Blue Electrophosphorescence. 2012 , 24, 3120-3127		52
1126	Short-axis substitution approach selectively optimizes electrical properties of dibenzothiophene-based phosphine oxide hosts. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19179-88	16.4	113
1125	Thermally induced defluorination during a mer to fac transformation of a blue-green phosphorescent cyclometalated iridium(III) complex. 2012 , 51, 290-7		65
1124	Effect of axially projected oligothiophene pendants and nitro-functionalized diimine ligands on the lowest excited state in cationic Ir(III) bis-cyclometalates. 2012 , 51, 5082-94		27
1123	Hybrid Cu(2)O diode with orientation-controlled C(60) polycrystal. 2012 , 4, 3558-65		9
1122	UV light-emitting electrochemical cells based on an ionic 2,2'-bifluorene derivative. <i>Organic Electronics</i> , 2012 , 13, 1765-1773	3.5	31
1121	A host material with a small singlet-triplet exchange energy for phosphorescent organic light-emitting diodes: Guest, host, and exciplex emission. <i>Organic Electronics</i> , 2012 , 13, 1937-1947	3.5	51
1120	A new bulky trimethylsilylxylylene substituted iridium(III) complex with picolinic acid as ancillary ligand: Synthesis; characterization and applications for efficient yellow-green emitting phosphorescent organic light emitting diodes. 2012 , 162, 391-397		17
1119	Double-emission-layer green phosphorescent OLED based on LiF-doped TPBi as electron transport layer for improving efficiency and operational lifetime. 2012 , 162, 398-401		33
1118	Twisted bimesitylene-based oxadiazoles as novel host materials for phosphorescent OLEDs. 2012 , 68, 7502-7508		26
1117	New phosphorescent platinum(II) Schiff base complexes for PHOLED applications. 2012 , 22, 16448		62
1116	Synthesis, photophysical and electro-optical properties of bis-carbazolyl methane based host material for pure-blue phosphorescent OLED. 2012 , 132, 2557-2560		7
1115	Photoluminescences and 3D supramolecular structure with unique dimeric Zn (II) units featuring 2-substituted 8-hydroxyquinoline. 2012 , 23, 90-94		13

1114	Versatile control of the optical bandgap in heterobimetallic polymers through complexation of bithiazole-containing polyplatinynes with ReCl(CO) ₅ . <i>Journal of Organometallic Chemistry</i> , 2012 , 703, 43-50	2.3	11
1113	Photophysics, electrochemistry and electrochemiluminescence of water-soluble biscyclometalated iridium (III) complexes. <i>Journal of Organometallic Chemistry</i> , 2012 , 718, 14-21	2.3	31
1112	33.4: A New Class of Host Materials for Blue Phosphorescent Organic Electroluminescent Devices. <i>Digest of Technical Papers SID International Symposium</i> , 2012 , 43, 445-448	0.5	3
1111	Bridged-triarylamine starburst oligomers as hole transporting materials for electroluminescent devices. 2012 , 22, 15397		60
1110	Micro lens design for efficiency improvement of red organic light-emitting diode. 2012 , 61, 1532-1535		
1109	Low-cost caesium phosphate as n-dopant for organic light-emitting diodes. 2012 , 111, 074502		8
1108	Ab Initio Studies of Triplet-State Properties for Organic Semiconductor Molecules. 2012 , 116, 15203-15217		19
1107	Top-gate type, ambipolar, phosphorescent light-emitting transistors utilizing liquid-crystalline semiconducting polymers by the thermal diffusion method. <i>Organic Electronics</i> , 2012 , 13, 2358-2364	3.5	12
1106	Carbazole and benzimidazole/oxadiazole hybrids as bipolar host materials for sky blue, green, and red PhOLEDs. <i>Organic Electronics</i> , 2012 , 13, 2671-2681	3.5	32
1105	Photocurrent enhancement and photoresponse properties of organic photodetectors with iridium complexes doped in conjugated polymers. 2012 , 358, 2504-2507		2
1104	Effect of ionic liquids on the electroluminescence of yellowish-green light-emitting electrochemical cells using bis(2-(2,4-difluorophenyl)pyridine)4,7-diphenyl-1,10-phenanthroline-iridium(III) hexafluorophosphate. 2012 , 136, 173-178		26
1103	Solvent effects on spectral emission of PVK and PVK-Ir(ppy) ₃ based OLEDs. 2012 ,		2
1102	The double dendron approach to host free phosphorescent poly(dendrimer) OLEDs. 2012 , 3, 734		13
1101	Indolo[3,2-b]carbazole/benzimidazole hybrid bipolar host materials for highly efficient red, yellow, and green phosphorescent organic light emitting diodes. 2012 , 22, 8399		77
1100	Exciplex Electroluminescence of the New Organic Materials for Light-Emitting Diodes. 2012 ,		
1099	Synthesis and optoelectronic properties of a carbazole-modified platinum(II) complex in polymer light-emitting devices. 2012 , 41, 1074-81		17
1098	Linear and nonlinear optical properties of colloidal photonic crystals. 2012 , 112, 2268-85		137
1097	Experimental and theoretical study of the charge transport property of 4,4'-N,N'-dicarbazole-biphenyl. 2012 , 55, 2428-2432		11

1096	Colour tuning from green to red by substituent effects in phosphorescent tris-cyclometalated iridium(III) complexes of carbazole-based ligands: synthetic, photophysical, computational and high efficiency OLED studies. 2012 , 22, 6419		94
1095	Host materials for blue phosphorescent OLEDs. 2012 ,		
1094	Configuration effect of novel bipolar triazole/carbazole-based host materials on the performance of phosphorescent OLED devices. <i>Organic Electronics</i> , 2012 , 13, 2210-2219	3-5	44
1093	On the triplet distribution and its effect on an improved phosphorescent organic light-emitting diode. <i>Applied Physics Letters</i> , 2012 , 101, 093301	3-4	14
1092	Synthesis and electroluminescent characterization of a symmetric starburst orange-red light material. 2012 , 132, 2863-2867		9
1091	Study on red fluorescent top-emitting organic light-emitting devices using a phosphorescent sensitizer. 2012 ,		
1090	High-efficiency green electrophosphorescent organic light-emitting diodes with a simple device structure. 2012 ,		1
1089	New dibenzofuran/spirobifluorene hybrids as thermally stable host materials for efficient phosphorescent organic light-emitting diodes with low efficiency roll-off. 2012 , 14, 14224-8		34
1088	Dinuclear iridium(III) complexes of cyclometalated fluorenylpyridine ligands as phosphorescent dopants for efficient solution-processed OLEDs. 2012 , 22, 13529		40
1087	Photofunctional triplet excited states of cyclometalated Ir(III) complexes: beyond electroluminescence. 2012 , 41, 7061-84		505
1086	Synthesis and photophysical properties of yellow-emitting iridium complexes. Effect of the temperature on the character of triplet emission. 2012 , 22, 1501-7		11
1085	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. 2012 , 112, 1642-1653		3
1084	Theoretical investigations on electronic structures and photophysical properties of novel bridged triphenylamine derivatives. 2012 , 112, 1473-1490		6
1083	Synthesis of fac-Ir(ppy) ₃ end-functionalized poly(1,3-cyclohexadiene): single monomer addition of fac-Ir(ppy) ₂ (vppy) for well-controlled polymer synthesis. 2012 , 50, 772-779		4
1082	Soluble polynorbornenes with pendant carbazole derivatives as host materials for highly efficient blue phosphorescent organic light-emitting diodes. 2012 , 50, 2356-2365		21
1081	Enhancing light extraction in top-emitting organic light-emitting devices using molded transparent polymer microlens arrays. 2012 , 8, 2647-51		81
1080	Planar PbS quantum dot/C60 heterojunction photovoltaic devices with 5.2% power conversion efficiency. <i>Applied Physics Letters</i> , 2012 , 100, 173109	3-4	28
1079	Luminescent iridium(III) complexes with N [^] C [^] N-coordinated terdentate ligands: dual tuning of the emission energy and application to organic light-emitting devices. 2012 , 51, 3813-26		85

1078	Challenges for the Accurate Simulation of Anisotropic Charge Mobilities through Organic Molecular Crystals: The β Phase of mer-Tris(8-hydroxyquinolato)aluminum(III) (Alq3) Crystal. 2012 , 116, 14826-14836		61
1077	Platinum Complexes of 4-Hydroxy-1,5-naphthyridines as Emitting Dyes. 2012 , 59, 357-364		3
1076	Optically detected magnetic resonance studies of luminescence-quenching processes in π -conjugated materials and organic light-emitting devices. 2012 , 6, 767-786		39
1075	Luminescence of ortho-Metalated Iridium Complexes Encapsulated in Zeolite Supercages by the Ship-in-a-Bottle Method. 2012 , 2012, 3113-3120		8
1074	Effects of fluorination on iridium(III) complex phosphorescence: magnetic circular dichroism and relativistic time-dependent density functional theory. 2012 , 51, 2821-31		45
1073	Synthesis and physical properties of meta-terphenyloxadiazole derivatives and their application as electron transporting materials for blue phosphorescent and fluorescent devices. 2012 , 22, 17792		25
1072	Multicomponent Physical Vapor Deposited Films with Homogeneous Molecular Material Distribution Featuring Improved Resist Sensitivity. 2012 , 22, 3865-3873		4
1071	Room-Temperature Phosphorescence From Films of Isolated Water-Soluble Conjugated Polymers in Hydrogen-Bonded Matrices. 2012 , 22, 3824-3832		115
1070	Carbazolyl benzo[1,2-b:4,5-b']difuran: an ambipolar host material for full-color organic light-emitting diodes. 2012 , 7, 1443-50		24
1069	Improving the image of an organic light-emitting diode using a dye-polariser. 2012 , 90, 1246-1252		
1068	Effects of Growth Temperature on Indium Incorporation in InAlN Alloys Grown by GSMBE on Si(111). 2012 , 41, 824-829		2
1067	Orange phosphorescent organic light-emitting diodes using new spiro[benzoanthracene-fluorene]-type host materials. <i>Dyes and Pigments</i> , 2012 , 94, 304-313	4.6	28
1066	Xanthene-based phosphine oxide host with the planar multi-insulating structure for efficient electrophosphorescence. <i>Dyes and Pigments</i> , 2012 , 94, 561-569	4.6	5
1065	New iridium complexes with cyclometalated 2-arylimidazole ligands as highly efficient saturated green emitters. 2012 , 91, 158-65		2
1064	Synthesis and physico-chemical studies of cyclometalated heteroleptic iridium(III) complexes. 2012 , 93, 240-4		3
1063	Deuteration of molecules for neutron reflectometry on organic light-emitting diode thin films. 2012 , 53, 931-935		20
1062	Transient electroluminescence in heavy metal complex-based phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2012 , 13, 329-334	3.5	5
1061	Solution-processed blue-green organic light-emitting diodes based on cationic iridium complexes with 1-pyridyl-3-methylimidazolin-2-ylidene-C ₂ as the ancillary ligand. <i>Organic Electronics</i> , 2012 , 13, 1277-1288	3.5	45

1060	Efficient deep blue electrophosphorescent devices based on platinum(II) bis(n-methyl-imidazolyl)benzene chloride. <i>Organic Electronics</i> , 2012 , 13, 1430-1435	3.5	87
1059	High efficient and color stable WOLED using double white emissive layer. 2012 , 132, 2122-2125		20
1058	Diffusion--the hidden menace in organic optoelectronic devices. 2012 , 24, 822-6		31
1057	Ternary ambipolar phosphine oxide hosts based on indirect linkage for highly efficient blue electrophosphorescence: towards high triplet energy, low driving voltage and stable efficiencies. 2012 , 24, 509-14		118
1056	High-Performance Organic Light-Emitting Diode Displays. 2013 , 57-81		2
1055	High-Efficiency Wet- and Dry-Processed Green Organic Light Emitting Diodes with a Novel Iridium Complex-Based Emitter. 2013 , 1, 657-667		36
1054	Manipulation of connecting topology in carbazole/benzimidazole universal bipolar host materials for RGB and White PhOLEDs. 2013 , 3, 13891		21
1053	Highly efficient deep-red organic electrophosphorescent devices with excellent operational stability using bis(indoloquinolalynyl) derivatives as the host materials. 2013 , 1, 5084		31
1052	Solution processed organic double light-emitting layer diode based on cross-linkable small molecular systems. 2013 , 52, 9563-7		45
1051	Spiro-annulated triarylamine-based hosts incorporating dibenzothiophene for highly efficient single-emitting layer white phosphorescent organic light-emitting diodes. 2013 , 1, 6575		46
1050	Material Profiling for Photocrystallography: Relating Single-Crystal Photophysical and Structural Properties of Luminescent Bis-Cyclometalated Iridium-Based Complexes. 2013 , 13, 1826-1837		11
1049	New Luminescent Host-Guest System Based on an Iridium(III) Complex: Design, Synthesis, and Theoretical/Experimental Spectroscopic Characterization. 2013 , 117, 2966-2975		10
1048	Highly efficient green organic light-emitting diodes containing luminescent tetrahedral copper(I) complexes. 2013 , 1, 542-551		141
1047	Key issues and recent progress of high efficient organic light-emitting diodes. 2013 , 17, 69-104		68
1046	Correlating the Lifetime and Fluorine Content of Iridium(III) Emitters in Green Light-Emitting Electrochemical Cells. 2013 , 25, 3391-3397		67
1045	Suppression of Efficiency Roll-Off Characteristics in Thermally Activated Delayed Fluorescence Based Organic Light-Emitting Diodes Using Randomly Oriented Host Molecules. 2013 , 25, 3038-3047		74
1044	Reduced hole loss in organic light emitting diode incorporating two p-doped hole transport layers. 2013 , 113, 811-815		6
1043	Luminescent Coordination and Organometallic Complexes for OLEDs. 2013 , 607-655		2

1042	Efficient light emitting devices based on phosphorescent partially doped emissive layers. 2013 , 1, 4663		4
1041	Triplet State Phosphorescence in Tris(8-hydroxyquinoline) Aluminum Light Emitting Diode Materials. 2013 , 117, 3446-3455		9
1040	Deep red to near-infrared emitting rhenium(I) complexes: synthesis, characterization, electrochemistry, photophysics, and electroluminescence studies. 2013 , 19, 13418-27		66
1039	Iridium (III) complexes with 5,5-dimethyl-3-(pyridin-2-yl)cyclohex-2-enone ligands as sensitizer for dye-sensitized solar cells. <i>Organic Electronics</i> , 2013 , 14, 3297-3305	3.5	20
1038	Molecular topology tuning of bipolar host materials composed of fluorene-bridged benzimidazole and carbazole for highly efficient electrophosphorescence. 2013 , 19, 10563-72		47
1037	High efficiency green phosphorescent organic light-emitting diodes with a low roll-off at high brightness. <i>Organic Electronics</i> , 2013 , 14, 2854-2858	3.5	37
1036	Photophysical properties of substituted homoleptic and heteroleptic phenylimidazolinato Ir(III) complexes as a blue phosphorescent material. 2013 , 52, 12338-50		49
1035	Deep blue phosphorescent organic light-emitting diodes with excellent external quantum efficiency. <i>Organic Electronics</i> , 2013 , 14, 3228-3233	3.5	25
1034	Tetraphenylsilane derivatives spiro-annulated by triphenylamine/carbazole with enhanced HOMO energy levels and glass transition temperatures without lowering triplet energy: host materials for efficient blue phosphorescent OLEDs. 2013 , 1, 463-469		50
1033	Bipolar host materials for high efficiency phosphorescent organic light emitting diodes: tuning the HOMO/LUMO levels without reducing the triplet energy in a linear system. 2013 , 1, 8177		61
1032	Bipolar Phenanthroimidazole Derivatives Containing Bulky Polyaromatic Hydrocarbons for Nondoped Blue Electroluminescence Devices with High Efficiency and Low Efficiency Roll-Off. 2013 , 25, 4957-4965		186
1031	Characteristics of Solution-Processed Phosphorescent Organic Light-Emitting Diodes Utilizing Low Molecular Carbazole Derivative as a Host Material. <i>Molecular Crystals and Liquid Crystals</i> , 2013 , 581, 70-75 ⁵		
1030	A multiscale simulation technique for molecular electronics: design of a directed self-assembled molecular n-bit shift register memory device. 2013 , 24, 505202		1
1029	Theoretical study on the electronic structures and photophysical properties of a series of Ir(III) complexes based on substituted 2-(pyrazol-3-yl)pyridine ligand. 2013 , 588, 68-75		10
1028	White-light phosphorescence from binary coordination polymer nanoparticles. 2013 , 139, 345-349		8
1027	Polynorbornene Copolymer with Side-Chain Iridium(III) Emitters and Carbazole Hosts: A Single Emissive Layer Material for Highly Efficient Electrophosphorescent Devices. 2013 , 46, 674-682		40
1026	Structure properties of a highly luminescent yellow emitting material for OLED and its application. 2013 , 3, 215-220		11
1025	Carbazole-based polysiloxane hosts for highly efficient solution-processed blue electrophosphorescent devices. 2013 , 1, 5344		39

1024	Functionalized terfluorene for solution-processed high efficiency blue fluorescence OLED and electrophosphorescent devices. <i>Organic Electronics</i> , 2013 , 14, 1958-1965	3-5	16
1023	Effect of pH on the photophysical properties of two new carboxylic-substituted iridium(III) complexes. 2013 , 138, 1689-99		12
1022	Brightly blue and green emitting Cu(I) dimers for singlet harvesting in OLEDs. 2013 , 117, 11823-36		202
1021	Organic light-emitting diodes (OLEDs). 2013 , 508-534		3
1020	Dual Emissive-Reflective Display Materials with Large Emission Switching Using Highly Luminescent Lanthanide(III) Complex and Electrochromic Material. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 05DA14	1-4	13
1019	Highly electron deficient pyrido[3',2':4,5]furo[2,3-b]pyridine as a core structure of a triplet host material for high efficiency green phosphorescent organic light-emitting diodes. 2013 , 49, 6185-7		20
1018	Evaluation of propylene-, meta-, and para-linked triazine and tert-butyltriphenylamine as bipolar hosts for phosphorescent organic light-emitting diodes. 2013 , 1, 2224		32
1017	(C ⁺ C*) Cyclometalated binuclear N-heterocyclic biscarbene platinum(II) complexes--highly emissive phosphorescent emitters. 2013 , 42, 9847-51		51
1016	Highly efficient blue phosphorescent and electroluminescent Ir(III) compounds. 2013 , 1, 441-450		70
1015	Theoretical study on the effect of N-substitution on the electronic structures and photophysical properties of phosphorescent Ir(III) complexes. 2013 , 42, 14149-57		9
1014	Iridium(III) complexes with enhanced film amorphism as guests for efficient orange solution-processed single-layer PhOLEDs with low efficiency roll-off. 2013 , 42, 10559-71		20
1013	Small molecular weight materials for (opto)electronic applications: overview. 2013 , 3-82		3
1012	Organic luminescent molecule with energetically equivalent singlet and triplet excited states for organic light-emitting diodes. 2013 , 110, 247401		180
1011	Effect of thickness variation of hole injection and hole blocking layers on the performance of fluorescent green organic light emitting diodes. 2013 , 13, 18-25		24
1010	Metallophosphors of iridium(III) containing borylated oligothiophenes with electroluminescence down to the near-infrared region. <i>Journal of Organometallic Chemistry</i> , 2013 , 730, 144-155	2-3	43
1009	Sky-blue phosphorescent iridium(III) complexes with two substituted 2-phenylpyridine derivatives and one picolinic acid for organic light-emitting diodes. <i>Journal of Organometallic Chemistry</i> , 2013 , 724, 244-250	2-3	9
1008	Dendritic Luminescent Gold(III) Complexes for Highly Efficient Solution-Processable Organic Light-Emitting Devices. 2013 , 125, 464-467		44
1007	Dendritic luminescent gold(III) complexes for highly efficient solution-processable organic light-emitting devices. 2013 , 52, 446-9		131

1006	Simple bipolar hosts with high glass transition temperatures based on 1,8-disubstituted carbazole for efficient blue and green electrophosphorescent devices with "ideal" turn-on voltage. 2013 , 19, 1828-34		41
1005	Convergent modulation of singlet and triplet excited states of phosphine-oxide hosts through the management of molecular structure and functional-group linkages for low-voltage-driven electrophosphorescence. 2013 , 19, 141-54		36
1004	Elevating the triplet energy levels of dibenzofuran-based ambipolar phosphine oxide hosts for ultralow-voltage-driven efficient blue electrophosphorescence: from D-A to D-EA systems. 2013 , 19, 1385-96		29
1003	Doping of organic semiconductors. 2013 , 210, 9-43		425
1002	Greenish yellow organic light emitting devices based on novel iridium complexes containing 2-cyclohexenyl-1-phenyl-1H-benzo[d]imidazole. <i>Dyes and Pigments</i> , 2013 , 99, 1010-1015	4.6	7
1001	meta-Linked spirobifluorene/phosphine oxide hybrids as host materials for deep blue phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2013 , 14, 1924-1930	3.5	42
1000	Explaining the different efficiency behaviors of PHOLEDs with/without a hole injection barrier at the hole transport layer/emitter layer interface. <i>Organic Electronics</i> , 2013 , 14, 2510-2517	3.5	19
999	Degradation mechanism of green phosphorescent dye doped polymer light-emitting diodes. 2013 , 531, 419-423		
998	A Newly Designed Polyfluorene as an Efficient Host Material for Phosphorescent-Dye-Doped Polymer Light-Emitting Diodes. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 10MB11	1.4	2
997	Origin of efficiency roll-off in colloidal quantum-dot light-emitting diodes. 2013 , 110, 217403		124
996	Novel host materials based on phenanthroimidazole derivatives for highly efficient green phosphorescent OLEDs. 2013 , 268, 37-43		26
995	Small molecule tandem organic photovoltaic cells incorporating an EPNPD optical spacer layer. <i>Organic Electronics</i> , 2013 , 14, 2353-2359	3.5	19
994	Energy transfer and phosphorescence-quenching dynamics in a phosphorescent host-guest system. 2013 , 561-562, 52-56		2
993	Selective ion-induced grain growth: Thermal spike modeling and its experimental validation. 2013 , 61, 6171-6177		8
992	Effects of nanoscale surface modification and triplet energy shielding of a single layer solution processed blue phosphorescent organic light emitting diode by using Triton X-100. 2013 , 172, 44-48		2
991	Synthesis and device application of 3-position modified benzothieno[3,2-c]pyridine derivative. <i>Dyes and Pigments</i> , 2013 , 99, 390-394	4.6	1
990	Concentration-insensitive and low-driving-voltage OLEDs with high efficiency and little efficiency roll-off using a bipolar phosphorescent emitter. <i>Organic Electronics</i> , 2013 , 14, 1649-1655	3.5	19
989	Triplet diffusion leads to triplet-triplet annihilation in organic phosphorescent emitters. 2013 , 590, 106-110		51

988	Electrophosphorescence from hole-transporting layer doped with cerium halide nano-particles. 2013 , 141, 6-8		2
987	Fine-tuning the balance between carbazole and oxadiazole units in bipolar hosts to realize highly efficient green PhOLEDs. <i>Organic Electronics</i> , 2013 , 14, 1086-1093	3-5	28
986	Charge and energy transfers in functional metallophosphors and metallopolyyenes. 2013 , 257, 1614-1649		159
985	Development of high performance OLEDs for general lighting. 2013 , 1, 1699		532
984	Ultraviolet-violet electroluminescence from highly fluorescent purines. 2013 , 1, 2867		50
983	Highly efficient phosphorescent OLEDs with host-independent and concentration-insensitive properties based on a bipolar iridium complex. 2013 , 1, 2920		66
982	Thin-film growth and patterning techniques for small molecular organic compounds used in optoelectronic device applications. 2013 , 4, 289-317		17
981	Small-molecular blue phosphorescent dyes for organic light-emitting devices. 2013 , 37, 1665		174
980	Recent Progress in the Understanding of Exciton Dynamics within Phosphorescent OLEDs. 2013 , 349-369		
979	Organometallic Emitters for OLEDs: Triplet Harvesting, Singlet Harvesting, Case Structures, and Trends. 2013 , 371-424		38
978	Highly efficient iridium(III) phosphors with phenoxy-substituted ligands and their high-performance OLEDs. 2013 , 1, 808-821		61
977	Tuning the electronic and photophysical properties of heteroleptic iridium(III) phosphorescent emitters through ancillary ligand substitution: a theoretical perspective. 2013 , 15, 6293-302		37
976	Doping of Organic Semiconductors. 2013 , 425-496		1
975	Device Efficiency of Organic Light-Emitting Diodes. 2013 , 497-539		1
974	Organic Light-Emitting Diodes (OLEDs) with Polarised Emission. 2013 , 197-218		2
973	Luminescent platinum(II) complexes of 1,3-bis(N-alkylbenzimidazol-2'-yl)benzene-type ligands with potential applications in efficient organic light-emitting diodes. 2013 , 19, 6385-97		72
972	Highly efficient single-layer organic light-emitting devices using cationic iridium complex as host. <i>Organic Electronics</i> , 2013 , 14, 744-753	3-5	23
971	Understanding the influence of doping in efficient phosphorescent organic light-emitting diodes with an organic p-n homojunction. <i>Organic Electronics</i> , 2013 , 14, 1695-1703	3-5	20

- 970 Cyclometalated platinum complexes with luminescent quantum yields approaching 100%. **2013**, 52, 7344-51 122
- 969 Synthesis and characterization of p-type conductivity dopant 2-(3-(adamantan-1-yl)propyl)-3,5,6-trifluoro-7,7,8,8-tetracyanoquinodimethane. **2013**, 1, 1876 15
- 968 Materials for Organic Light Emitting Devices. **2013**, 149-163
- 967 Guanidinate ligated iridium(III) complexes with various cyclometalated ligands: synthesis, structure, and highly efficient electrophosphorescent properties with a wide range of emission colours. **2013**, 1, 677-689 27
- 966 Direct observation of in blue phosphorescent materials for organic light emitting diodes by time-resolved optical waveguide spectroscopy. *Applied Physics Letters*, **2013**, 102, 81124 3-4 4
- 965 Ligand exchange leads to efficient triplet energy transfer to CdSe/ZnS Q-dots in a poly(N-vinylcarbazole) matrix nanocomposite. **2013**, 113, 083507 14
- 964 Synthesis and electrophosphorescence of iridium complexes containing benzothiazole-based ligands. **2013**, 5, 4937-44 54
- 963 SpinOrbit Coupling Analyses of the Geometrical Effects on Phosphorescence in Ir(ppy)₃ and Its Derivatives. **2013**, 117, 5314-5327 21
- 962 Computational design of high triplet energy host materials for phosphorescent blue emitters. **2013**, 1, 4261 29
- 961 New tetrazole-based Cu(I) homo- and heteroleptic complexes with various P[^]P ligands: synthesis, characterization, redox and photophysical properties. **2013**, 42, 997-1010 90
- 960 A simple systematic design of phenylcarbazole derivatives for host materials to high-efficiency phosphorescent organic light-emitting diodes. **2013**, 1, 3967 45
- 959 Oxadiazole- and triazole-based highly-efficient thermally activated delayed fluorescence emitters for organic light-emitting diodes. **2013**, 1, 4599 269
- 958 The halogen bond in the design of functional supramolecular materials: recent advances. **2013**, 46, 2686-95 628
- 957 Highly efficient blue-emitting cyclometalated platinum(II) complexes by judicious molecular design. **2013**, 52, 6753-6 226
- 956 Aryl 5-substitution of a phenyl-pyridine based ligand as a viable way to influence the opto-electronic properties of bis-cyclometalated Ir(III) heteroleptic complexes. **2013**, 42, 8939-50 10
- 955 Triplet-triplet charge annihilation versus triplet-triplet annihilation in organic semiconductors. **2013**, 1, 1330-1336 46
- 954 Efficiency roll-off in organic light-emitting diodes. **2013**, 25, 6801-27 681
- 953 Phosphorescence color tuning of cyclometalated iridium complexes by o-carborane substitution. **2013**, 52, 160-8 101

952	Linear and nonlinear optical properties of tris-cyclometalated phenylpyridine Ir(III) complexes incorporating π -conjugated substituents. 2013 , 52, 7987-94		52
951	Extension of Molecular Structure toward Solution-Processable Hosts for Efficient Blue Phosphorescent Organic Light-Emitting Diodes. 2013 , 117, 549-555		26
950	Promising operational stability of high-efficiency organic light-emitting diodes based on thermally activated delayed fluorescence. 2013 , 3, 2127		264
949	Functionalized bis-cyclometalated alkynylgold(III) complexes: synthesis, characterization, electrochemistry, photophysics, photochemistry, and electroluminescence studies. 2013 , 52, 12713-25		53
948	Device efficiency of organic light-emitting diodes: Progress by improved light outcoupling. 2013 , 210, 44-65		294
947	Solution-Processible Carbazole Dendrimers as Host Materials for Highly Efficient Phosphorescent Organic Light-Emitting Diodes. 2013 , 23, 619-628		117
946	Ultrahigh Efficiency Fluorescent Single and Bi-Layer Organic Light Emitting Diodes: The Key Role of Triplet Fusion. 2013 , 23, 739-746		216
945	Highly efficient pin-type OLEDs. 2013 , 173-191		1
944	NATURALLY EFFICIENT EMITTERS: LUMINESCENT ORGANOMETALLIC COMPLEXES DERIVED FROM NATURAL PRODUCTS. 2013 , 01, 1330003		1
943	OLED-based biochemical sensors. 2013 , 548-571		
942	Electroluminescence and fluorescence emission of poly(n-vinylcarbazole) and poly(n-vinylcarbazole)-Ir(ppy) ₃ -based organic light-emitting devices prepared with different solvents. 2013 , 3, 033599		5
941	White organic light emitting diodes using Pt-based red, green, and blue phosphorescent dopants. 2013 ,		
940	Density functional theory and time-dependent density functional theory study on a series of iridium complexes with tetraphenylimidodiphosphinate ligand. 2013 , 26, 840-848		9
939	Transparent conducting thin films for OLEDs. 2013 , 49-76		2
938	49.3: Highly Efficient OLED Devices with Device Architecture for Reducing Drive Voltage. <i>Digest of Technical Papers SID International Symposium</i> , 2013 , 44, 685-688	0.5	7
937	Highly efficient blue fluorescent organic light-emitting diodes with a high emitter/host ratio. <i>Applied Physics Letters</i> , 2013 , 103, 083301	3-4	17
936	An efficient non-Lambertian organic light-emitting diode using imprinted submicron-size zinc oxide pillar arrays. <i>Applied Physics Letters</i> , 2013 , 102, 053305	3-4	15
935	Paper No 5.1: Highly Efficient Blue-Green OLEDs From Tetradentate Cyclometalated Platinum Complexes. <i>Digest of Technical Papers SID International Symposium</i> , 2013 , 44, 152-155	0.5	9

934	Solution Processed Organic Double Light-Emitting Layer Diode Based on Cross-Linkable Small Molecular Systems. 2013 , 125, 9742-9746		10
933	Insights on photophysical proprieties of DCM dye in PVK host matrix. 2013 , 34, 1500-1505		2
932	Progress in Emission Efficiency of Organic Light-Emitting Diodes: Basic Understanding and Its Technical Application. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 110001	1.4	26
931	66.4: Large-Sized Flexible Lighting with Highly Efficient OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2013 , 44, 923-926	0.5	6
930	Phosphorescent OLEDs for solid-state lighting. 2013 , 143-169		
929	Enhancing the Hole Injection and Transporting of Organic Light-Emitting Diodes by Utilizing Gradient Doping. <i>Molecular Crystals and Liquid Crystals</i> , 2013 , 574, 129-134	0.5	3
928	Variable Photophysical Properties of Phosphorescent Iridium(III) Complexes Triggered by closo- and nido-Carborane Substitution. 2013 , 125, 13676-13680		54
927	Vapor-phase microprinting of multicolor phosphorescent organic light emitting device arrays. 2013 , 25, 1583-8		19
926	Novel host materials for blue phosphorescent OLEDs. 2013 ,		15
925	Triscyclometalated Iridium(III) Fluoro-Substituted Carbene Complexes: Character of Emitting Triplet States and Excited State Dynamics. 2013 , 60, 965-973		3
924	Fluorene-Based Asymmetric Bipolar Universal Hosts for White Organic Light Emitting Devices. 2013 , 23, 3096-3105		122
923	Highly Efficient Blue-Emitting Cyclometalated Platinum(II) Complexes by Judicious Molecular Design. 2013 , 125, 6885-6888		42
922	Variable photophysical properties of phosphorescent iridium(III) complexes triggered by closo- and nido-carborane substitution. 2013 , 52, 13434-8		170
921	Photoluminescence characteristics of organic molecules in the accelerated aging organic light-emitting diodes. 2013 , 210, 2716-2719		14
920	Development of Phenylpyridine-Containing Wide-Energy-Gap Electron-Transporters for High Performance OLEDs. 2013 , 70, 360-369		
919	Using an Organic Molecule with Low Triplet Energy as a Host in a Highly Efficient Blue Electrophosphorescent Device. 2014 , 126, 2179-2183		16
918	Phosphorescence lifetimes of organic light-emitting diodes from two-component time-dependent density functional theory. 2014 , 141, 224302		34
917	A large perturbation on electronic and photophysical properties of Ir(III) carbene complexes caused by the variation of N-substitution in N,N'-heteroaromatic ligands. 2014 , 610-611, 394-400		2

916	Low driving voltage simplified tandem organic light-emitting devices by using exciplex-forming hosts. <i>Applied Physics Letters</i> , 2014 , 105, 153302	3.4	21
915	The effect of the hole injection layer on the performance of single layer organic light-emitting diodes. 2014 , 116, 224502		12
914	White OLED Materials. 2014 , 1-23		
913	In Situ Observation of Degradation by Ligand Substitution in Small-Molecule Phosphorescent Organic Light-Emitting Diodes. 2014 , 26, 6578-6584		25
912	Dimeric SFX host materials for red, green and blue phosphorescent organic light-emitting devices. 2014 , 195, 321-327		14
911	Push-Pull Design of Bis(tridentate) Ruthenium(II) Polypyridine Chromophores as Deep Red Light Emitters in Light-Emitting Electrochemical Cells. 2014 , 2014, 288-295		35
910	Tuning the Photophysical Properties of Metal-Free Room Temperature Organic Phosphors via Compositional Variations in Bromobenzaldehyde/Dibromobenzene Mixed Crystals. 2014 , 26, 6644-6649		91
909	Structurally robust phosphorescent [Pt(O ^N C ^N)] emitters for high performance organic light-emitting devices with power efficiency up to 126 lm W ⁻¹ and external quantum efficiency over 20%. 2014 , 5, 4819-4830		119
908	Rationally investigating the influence of T1 location on electroluminescence performance of aryl amine modified phosphine oxide materials. 2014 , 20, 16350-9		14
907	OLED Optics. 2014 , 1-17		
906	Model for triplet state engineering in organic light emitting diodes. 2014 , 140, 214313		4
905	Electronic structure evolution in doping of fullerene (C60) by molybdenum trioxide. <i>Applied Physics Letters</i> , 2014 , 105, 111601	3.4	6
904	Bipolar gold(III) complexes for solution-processable organic light-emitting devices with a small efficiency roll-off. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17861-8	16.4	93
903	Development of 8-in. oxide-TFT-driven flexible AMOLED display using high-performance red phosphorescent OLED. 2014 , 22, 137-143		17
902	Triazole and Pyridine Hybrid Molecules as Electron-Transport Materials for Highly Efficient Green Phosphorescent Organic Light-Emitting Diodes. 2014 , 54, 971-978		11
901	Organic Host Materials for Solution-Processed Phosphorescent Organic Light-Emitting Diodes. 2014 , 54, 867-884		8
900	Analysis of carrier behavior in $\text{npn}/\text{p}(\text{VDF}/\text{TrFE})$ double-layer capacitor by using electric-field-induced optical second-harmonic generation. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 02BB05	1.4	
899	Bright opportunities: efficient OLED devices with copper(I)iodide-NHetPHOS-emitters. 2014 ,		9

898	New cyclometalated iridium(III) complex as a phosphorescent dopant in organic light emitting devices. 2014 , 514, 012038	1
897	Highly efficient non-doped orange-red phosphorescent organic light-emitting devices based on a novel iridium complex. 2014 ,	
896	Organic Light - Emitting Diodes and their Applications. 2014 , 357, 29-93	6
895	Fabrication and characterization of green light emitting diode. 2014 , 38, 509-515	1
894	Highly color-stable and efficient hybrid white organic light-emitting devices by compensating a recombination zone shift in a single host layer. 2014 , 189, 157-160	6
893	Photophysical characterization of [Ir(ppy) ₂ (dmb)][PF ₆] towards application in light-emitting electrochemical cells (LECs). 2014 , 43, 162-164	14
892	Doping effect of Ir(ppy) ₃ on white-light electrophosphorescent devices based on platinum(II) [1,3-difluoro-4,6-di(2-pyridinyl)benzene] chloride. 2014 , 35, 74-78	1
891	Synthesis and photoluminescence of iridium complexes with benzothiazol-2-yl carbazole derivative ligand. 2014 , 40, 2945-2952	2
890	Energy Transfer at the Zeolite L Boundaries: Towards Photo- and Electroresponsive Materials. 2014 , 79, 45-57	34
889	Rational Design of Dibenzothiophene-Based Host Materials for PHOLEDs. 2014 , 118, 2375-2384	36
888	Recent progress in metal-organic complexes for optoelectronic applications. 2014 , 43, 3259-302	823
887	A Low-Cost Nano-modified Substrate Integrating both Internal and External Light Extractors for Enhancing Light Out-Coupling in Organic Light-Emitting Diodes. 2014 , 2, 418-422	10
886	Progress in next-generation organic electroluminescent materials: material design beyond exciton statistics. 2014 , 57, 335-345	77
885	Structural, optical and electrical characterization of hot wall grown 9,10-dibromoanthracene films for light emitting applications. 2014 , 10, 199-204	1
884	Using an organic molecule with low triplet energy as a host in a highly efficient blue electrophosphorescent device. 2014 , 53, 2147-51	69
883	Self-host blue-emitting iridium dendrimer with carbazole dendrons: nondoped phosphorescent organic light-emitting diodes. 2014 , 53, 1048-52	171
882	Phosphorescent transparent organic light-emitting diodes with enhanced outcoupling efficiency: Reduction of surface plasmon losses. <i>Organic Electronics</i> , 2014 , 15, 1222-1228	3.5 11
881	Highly sensitive TNT photoluminescent sensing by a phosphorescent complex. 2014 , 199, 148-153	19

880	Influence of Cavity Thickness and Emitter Orientation on the Efficiency Roll-Off of Phosphorescent Organic Light-Emitting Diodes. 2014 , 24, 1117-1124		41
879	Color tunable organic light-emitting devices with external quantum efficiency over 20% based on strongly luminescent gold(III) complexes having long-lived emissive excited states. 2014 , 26, 2540-6		130
878	Coaxing Solid-State Phosphorescence from Tellurophenes. 2014 , 126, 4675-4679		39
877	Investigation of blue phosphorescent organic light-emitting diode host and dopant stability. <i>Organic Electronics</i> , 2014 , 15, 1312-1316	3.5	31
876	A rational molecular design on choosing suitable spacer for better host materials in highly efficient blue and white phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2014 , 15, 1368-1377	3.5	20
875	Supramolecular assembly of metal-ligand chromophores for sensing and phosphorescent OLED applications. 2014 , 26, 5558-68		93
874	Luminous butterflies: efficient exciton harvesting by benzophenone derivatives for full-color delayed fluorescence OLEDs. 2014 , 53, 6402-6		399
873	Simulated evolution of fluorophores for light emitting diodes. 2015 , 142, 104104		50
872	Triple-stacked hole-selective layers for efficient solution-processable organic semiconducting devices. 2015 , 23, A625-39		8
871	Linkage engineering in hosts for dramatic efficiency enhancement of blue phosphorescent organic light-emitting diodes. 2015 , 23, 12887-99		8
870	The Role of Electron-Hole Separation in Thermally Activated Delayed Fluorescence in Donor-Acceptor Blends. 2015 , 119, 25591-25597		40
869	Highly Efficient Blue Electroluminescence Using Delayed-Fluorescence Emitters with Large Overlap Density between Luminescent and Ground States. 2015 , 119, 26283-26289		100
868	Interplay of Zero-Field Splitting and Excited State Geometry Relaxation in fac-Ir(ppy) ₃ . 2015 , 54, 10457-61		14
867	Very High Brightness Quantum Dot Light-Emitting Devices via Enhanced Energy Transfer from a Phosphorescent Sensitizer. 2015 , 7, 25828-34		23
866	Light emission mechanism of mixed host organic light-emitting diodes. <i>Applied Physics Letters</i> , 2015 , 106, 123306	3.4	38
865	Efficient and low-voltage phosphorescent organic light-emitting devices based on blue iridium complex host. 2015 , 31, 569-572		4
864	A new class of deep-blue emitting Cu(I) compounds--effects of counter ions on the emission behavior. 2015 , 44, 20045-55		41
863	Synthesis, characterization, electrochemistry, and photophysical studies of triarylamine-containing zinc(II) diimine bis-thiolate complexes. 2015 , 44, 18983-92		10

862	Synthesis, characterization and optoelectronic investigations of bithiophene substituted 1,3,4-oxadiazole derivatives as green fluorescent materials. 2015 , 5, 86685-86696		29
861	High thermal-stability benzocarbazole derivatives as bipolar host materials for phosphorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , 2015 , 123, 196-203	4.6	22
860	Structurally simple phenanthroimidazole-based bipolar hosts for high-performance green and red electroluminescent devices. 2015 , 5, 73926-73934		13
859	Emissive Ir(III) complexes bearing thienylamido groups on a 1,10-phenanthroline scaffold. 2015 , 44, 16272-9		6
858	Color stable white phosphorescent organic light emitting diodes with red emissive electron transport layer. 2015 , 117, 245503		3
857	DFT/TDDFT investigation on the electronic structures and photophysical properties of a series of substituted N-heterocyclic carbene (NHC) platinum(II) complexes. 2015 , 209, 455-460		6
856	Contribution of triplet excitons to the efficiency of fluorescent organic light emitting diodes. <i>Japanese Journal of Applied Physics</i> , 2015 , 54, 094301	1.4	2
855	Improved luminance and external quantum efficiency of red and white organic light-emitting diodes with iridium(III) complexes with phenyl-substituted 2-phenylpyridine as a second cyclometalated ligand. 2015 , 3, 12107-12115		21
854	Orthogonal Molecular Structure for Better Host Material in Blue Phosphorescence and Larger OLED White Lighting Panel. 2015 , 25, 645-650		132
853	Polymerization-enhanced intersystem crossing: new strategy to achieve long-lived excitons. 2015 , 36, 298-303		46
852	Study of triplet exciton energy transfer in white phosphorescent organic light-emitting diodes with multi-doped single emissive layer. 2015 , 40, 57-62		4
851	Exploring the Potential of Nucleic Acid Bases in Organic Light Emitting Diodes. 2015 , 27, 7552-62		69
850	Highly efficient luminescence of Cu(I) compounds: thermally activated delayed fluorescence combined with short-lived phosphorescence. <i>Journal of the American Chemical Society</i> , 2015 , 137, 399-404	16.4	311
849	Origin of improved stability in green phosphorescent organic light-emitting diodes based on a dibenzofuran/spirobifluorene hybrid host. 2015 , 118, 381-387		16
848	Green phosphorescent organic light-emitting devices based on wide bandgap host materials. 2015 , 199, 360-364		8
847	A versatile efficient one-step approach for carbazole-pyridine hybrid molecules: highly efficient host materials for blue phosphorescent OLEDs. 2015 , 51, 1650-3		86
846	Efficient calculation of electronic absorption spectra by means of intensity-selected time-dependent density functional tight binding. 2015 , 11, 157-67		29
845	Simplified phosphorescent organic light-emitting devices using heavy doping with an Ir complex as an emitter. 2015 , 5, 4261-4265		13

844	A photo-stable and electrochemically stable poly(dumbbell-shaped molecules) for blue electrophosphorescent host materials. 2015 , 6, 983-988		17
843	Highly phosphorescent green emitting iridium(III) complexes for application in OLEDs. 2015 , 39, 235-245		23
842	Efficiency phosphorescent OLEDs with a low roll-off based on a hetero-triplet iridium complex. <i>Dyes and Pigments</i> , 2015 , 113, 649-654	4.6	14
841	Mitochondria-targeted oxygen probes based on cationic iridium complexes with a 5-amino-1,10-phenanthroline ligand. 2015 , 299, 172-182		32
840	Phosphorescence within benzotellurophenes and color tunable tellurophenes under ambient conditions. 2015 , 51, 5444-7		64
839	Influences of fluorination on homoleptic iridium complexes with C ₂ N=N type ligand to material properties, ligand orientation and OLED performances. 2015 , 58, 640-649		14
838	Effects of side groups on the kinetics of charge carrier recombination in dye molecule-doped multilayer organic light-emitting diodes. 2015 , 3, 46-50		3
837	A light-emitting mechanism for organic light-emitting diodes: molecular design for inverted singlet-triplet structure and symmetry-controlled thermally activated delayed fluorescence. 2015 , 3, 870-878		43
836	Effect of diphenylamine substituent on charge-transfer absorption features of the iridium complexes and application in dye-sensitized solar cell. <i>Journal of Organometallic Chemistry</i> , 2015 , 775, 55-59	2.3	6
835	Highly efficient Organic Light-Emitting Diodes from thermally activated delayed fluorescence using a sulfone-carbazole host material. <i>Organic Electronics</i> , 2015 , 16, 109-112	3.5	48
834	Homoleptic tris-cyclometalated iridium(III) complexes with phenylimidazole ligands for highly efficient sky-blue OLEDs. 2015 , 39, 246-253		43
833	A wet and dry processable phosphorescent green dye based organic light-emitting diodes. <i>Dyes and Pigments</i> , 2015 , 113, 341-350	4.6	9
832	Advances in molecular quantum chemistry contained in the Q-Chem 4 program package. 2015 , 113, 184-215		2068
831	Theoretical study on a series of iridium complexes with low efficiency roll-off property. 2015 , 134, 406-12		19
830	An Overview of Organic Light-Emitting Diodes and their Applications. 2016 ,		
829	Doping mechanism of MoO ₃ in 4,4'-Bis(N-carbazolyl)-1,1'-biphenyl: A photoelectron spectroscopic study. 2016 , 253, 1697-1706		6
828	Theoretical Study on Electronic Structure of Bathocuproine: Renormalization of the Band Gap in the Crystalline State and the Large Exciton Binding Energy. 2016 , 63, 513-520		2
827	Novel spiro-based host materials for application in blue and white phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2016 , 37, 108-114	3.5	11

826	A Bipolar and Small Singlet-Triplet Splitting Energy Host with Triplet Energy Lower Than a Blue Phosphor for Phosphorescent OLEDs in Panchromatic Range. 2016 , 34, 763-770	5
825	Bright Light-Emitting Diodes Based on Organometal Halide Perovskite Nanoplatelets. 2016 , 28, 305-11	405
824	Platinum and Gold Complexes for OLEDs. 2016 , 374, 46	73
823	Cu(I) complexes □thermally activated delayed fluorescence. Photophysical approach and material design. 2016 , 325, 2-28	310
822	Recent advances in white organic light-emitting diodes. 2016 , 107, 1-42	156
821	Dual Luminescence, Interligand Decay, and Nonradiative Electronic Relaxation of Cyclometalated Iridium Complexes in Solution. 2016 , 120, 16459-16469	36
820	A theoretical study on the electronic structures and photophysical properties of phosphorescent Iridium(iii) complexes with -CH ₃ /H and t-Bu substituents. 2016 , 45, 12587-93	3
819	Spin-orbit coupling analyses of phosphorescence: the effects of cyclometalated ligand replacement in fac-Ir(ppy) ₃ with various bpy ligands on blue phosphorescence. 2016 , 6, 65020-65030	7
818	Fully Vapor-Deposited Heterostructured Light-Emitting Diode Based on Organo-Metal Halide Perovskite. 2016 , 2, 1500325	32
817	Phosphorescent Platinum(II) Complexes with CC* Cyclometalated NHC Ligands. 2016 , 49, 2680-2689	121
816	Revealing the spin-vibronic coupling mechanism of thermally activated delayed fluorescence. 2016 , 7, 13680	468
815	Rate constant of exciton quenching of Ir(ppy) ₃ with hole measured by time-resolved luminescence spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 03DD13	1.4 5
814	Carrier transport and improved emission properties of bilayer polymer light-emitting transistors based on crystalized poly(alkylfluorene) films. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 02BB03	1.4 7
813	Tight-binding approximations to time-dependent density functional theory - A fast approach for the calculation of electronically excited states. 2016 , 144, 184103	28
812	Organic Light Emitting Device Materials for Displays. 2016 , 183-230	
811	Improved characteristics of polymer light-emitting diode based on poly(alkylfluorene) with functional layer fabricated by contact printing method. 2016 , 704, 012018	1
810	Exploring the Photodeactivation Pathways of Pt[O [^] N [^] C [^] N] Complexes: A Theoretical Perspective. 2016 , 17, 69-77	17
809	Theoretical study on effect of thiophene substitution on the structure and phosphorescence quantum yields of red-emitting iridium(III) emitters in OLEDs. 2016 , 319-320, 25-33	2

808	Highly Twisted Carbazole Oxadiazole Hybrids as Universal Bipolar Hosts for High Efficiency PhOLEDs. 2016 , 2, 1500241		25
807	Highly efficient blue-green organic light-emitting diodes achieved by controlling the anionic migration of cationic iridium(III) complexes. 2016 , 4, 5731-5738		31
806	Molecular Engineering of F-Based Iridium(III) Complexes as a Phosphorescent Emitter. 2016 , 177-197		
805	Influence of Blocking Interlayer in Blue Organic Light-Emitting Diodes with Different Thicknesses of Emitting Layer and Interlayer. 2016 , 33, 028501		
804	High-brightness solution-processed phosphorescent OLEDs with pyrimidine-based iridium(III) complexes. 2016 , 6, 34970-34976		14
803	Exciton Transport in an Organic Semiconductor Exhibiting Thermally Activated Delayed Fluorescence. 2016 , 120, 8502-8508		35
802	Electronic alteration of end-on phenyl groups of bis-triazolyl-silanes: electron-transport materials for blue phosphorescent OLEDs. 2016 , 4, 4978-4987		8
801	Electric field tunable light emitting diodes containing europium diketonates with [2.2]paracyclophane moiety. 2016 , 57, 114-119		14
800	Synthesis, X-ray crystal structure, and optical properties of novel 9,9-diethyl-1,2-diaryl-1,9-dihydrofluoreno[2,3-d]imidazoles. 2016 , 147, 1991-1999		2
799	Highly efficient green phosphorescent organic light-emitting diodes with low efficiency roll-off based on iridium(III) complexes bearing oxadiazol-substituted amide ligands. 2016 , 4, 5469-5475		22
798	Design Strategy for High-Performance Dendritic Carbazole-Containing Alkynylplatinum(II) Complexes and Their Application in Solution-Processable Organic Light-Emitting Devices. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6281-91	16.4	66
797	Orange-red- and white-emitting diodes fabricated by vacuum evaporation deposition of sublimable cationic iridium complexes. 2016 , 4, 5051-5058		21
796	Review of organic light-emitting diodes with thermally activated delayed fluorescence emitters for energy-efficient sustainable light sources and displays. 2016 , 6, 020901		56
795	Diphenylsulphone derivatives for a blue thermally activated delayed fluorescence. 2016 , 73, 2439-2446		6
794	Copper(I) Complexes for Thermally Activated Delayed Fluorescence: From Photophysical to Device Properties. 2016 , 374, 25		97
793	Computational studies of electronic structures and photophysical properties of luminescent iridium(III) complexes based on amidinate/bis(pyridylphenyl) ligands. <i>Organic Electronics</i> , 2016 , 33, 281-285		20
792	Indolo[3,2,1-jk]carbazole based planarized CBP derivatives as host materials for PhOLEDs with low efficiency roll-off. <i>Organic Electronics</i> , 2016 , 34, 237-245	3.5	32
791	Drastic drop of external quantum efficiency at liquid nitrogen temperature in a bilayer blue phosphorescent organic light-emitting device. 2016 , 217, 244-247		5

790	Bifunctional Heterocyclic Spiro Derivatives for Organic Optoelectronic Devices. 2016 , 8, 24782-92		21
789	Solution-processable deep red-emitting supramolecular phosphorescent polymer with novel iridium complex for organic light-emitting diodes. 2016 , 12, 615-621		9
788	Room-temperature electrophosphorescence from an all-organic material. 2016 , 180, 111-116		8
787	Synthesis, Characterization, Photophysical and DFT Studies of Coumarin Schiff Bases and Their Dimethylgallium Complexes. 2016 , 86, 633-644		1
786	Tetrazole iridium(III) complexes as a class of phosphorescent emitters for high-efficiency OLEDs. 2016 , 4, 10053-10060		31
785	Recent development of organic light-emitting diode utilizing energy transfer from exciplex to phosphorescent emitter. 2016 ,		3
784	Green-emitting MADF complex for OLED applications. 2016 ,		
783	Quenching in single emissive white phosphorescent organic light-emitting devices. <i>Organic Electronics</i> , 2016 , 38, 230-237	3.5	5
782	Highly Efficient Deep Blue Organic Light-Emitting Diodes Based on Imidazole: Significantly Enhanced Performance by Effective Energy Transfer with Negligible Efficiency Roll-off. 2016 , 8, 28771-28779		90
781	Blue Thermally Activated Delayed Fluorescence Molecule Having Acridane and Cyanobenzene Units. 2016 , 45, 1463-1466		14
780	Ruthenium Tetrazole Based Electroluminescent Device: Key Role of Counter Ions for Light Emission Properties. 2016 , 120, 24965-24972		15
779	Organic light-emitting diodes: High-throughput virtual screening. 2016 , 15, 1056-7		12
778	Active colloids: Controlled collective motions. 2016 , 15, 1057-8		22
777	Deep-blue Organic Light-emitting Diodes: From Fluorophores to Phosphors for High-efficiency Devices. 2016 , 561-634		1
776	Cationic iridium(III) complexes with different-sized negative counter-ions for solution-processed deep-blue-emitting diodes. <i>Organic Electronics</i> , 2016 , 39, 16-24	3.5	12
775	Recent progress in functionalized electrophosphorescent iridium(III) complexes. 2016 , 27, 1193-1200		9
774	Quantum chemical design of carbazole- and pyridoindole-based ambipolar host materials for blue phosphorescent OLEDs. 2016 , 6, 74769-74784		7
773	ORGANIC LIGHT EMITTING DEVICES. 2016 , 195-241		1

772	Synthesis, Electrochemistry, and Photophysical Studies of Ruthenium(II) Polypyridine Complexes with D-EA-ED Type Ligands and Their Application Studies as Organic Memories. 2016 , 22, 14013-14021	15
771	Sulfonyl-Substituted Heteroleptic Cyclometalated Iridium(III) Complexes as Blue Emitters for Solution-Processable Phosphorescent Organic Light-Emitting Diodes. 2016 , 55, 8612-27	28
770	Quantum dot light-emitting diode using 2,2'-bis(N-carbazolyl)-9,9'-spirobifluorene as a morphologically and thermally stable hole-transporting material. 2016 , 213, 3194-3198	3
769	Fundamental functions of peripheral and core pyridine rings in a series of bis-terpyridine derivatives for high-performance organic light-emitting devices. 2016 , 4, 8980-8988	23
768	High-efficiency diphenylsulfon derivative-based organic light-emitting diode exhibiting thermally-activated delayed fluorescence. 2016 , 69, 398-401	3
767	Improving the Property Function Tuning Range of Thiophene Materials via Facile Synthesis of Oligo/Polythiophene-S-Oxides and Mixed Oligo/Polythiophene-S-Oxides/Oligo/Polythiophene-S,S-Dioxides. 2016 , 26, 6970-6984	23
766	Charge Recombination in Phosphorescent Organic Light-Emitting Diode Host-Guest Systems through QM/MM Simulations. 2016 , 120, 19987-19994	18
765	Improved impedance characteristics of all-water-processable triple-stacked hole-selective layers in solution-processed OLEDs. 2016 , 24, A846-55	4
764	Magnetic Field Effect in Organic Light-Emitting Diodes Based on Electron Donor-Acceptor Exciplex Chromophores Doped with Fluorescent Emitters. 2016 , 26, 6930-6937	29
763	Application to OLED Displays. 2016 , 183-305	
762	Molecular Engineering of Iridium Blue Emitters Using Aryl N-Heterocyclic Carbene Ligands. 2016 , 2016, 5089-5097	12
761	4, 6-Bis[3-(dibenzothiophen-2-yl)phenyl] pyrimidine bipolar host for bright, efficient and low efficiency roll-off phosphorescent organic light-emitting devices. <i>Organic Electronics</i> , 2016 , 38, 301-306 3-5	3
760	Sublimable Cationic Iridium(III) Complexes with 1,10-Phenanthroline Derivatives as Ancillary Ligands for Highly Efficient and Polychromic Electroluminescence. 2016 , 22, 15888-15895	16
759	Investigation of boron modified graphene nanostructures; optoelectronic properties of graphene nanoparticles and transport properties of graphene nanosheets. 2016 , 98, 156-166	7
758	Phosphorescence or Thermally Activated Delayed Fluorescence? Intersystem Crossing and Radiative Rate Constants of a Three-Coordinate Copper(I) Complex Determined by Quantum-Chemical Methods. 2016 , 55, 7508-16	47
757	Emission mechanism in phosphorescent and fluorescent OLED utilizing energy transfer from exciplex to emitter. 2016 , 24, 360-370	5
756	High efficiency organic light-emitting diodes with in situ synthesized Cu(I) complex emitter: How to do chemical reaction in a vacuum chamber?. <i>Organic Electronics</i> , 2016 , 37, 421-427	3-5 9
755	Utilizing 9,10-dihydroacridine and pyrazine-containing donor-acceptor host materials for highly efficient red phosphorescent organic light-emitting diodes. 2016 , 4, 7869-7874	15

754	Highly efficient orange phosphorescent organic light-emitting diodes based on an iridium(III) complex with diethyldithiocarbamate (S ⁺ S) as the ancillary ligand. 2016 , 6, 64003-64008		18
753	Star-Shaped Conjugated Molecules with Oxa- or Thiadiazole Bithiophene Side Arms. 2016 , 22, 11795-806		18
752	1,2-diphenylbenzimidazole-triarylamine hybridized bipolar host materials employing fluorene as bridge for RYB and white electrophosphorescent devices. <i>Organic Electronics</i> , 2016 , 37, 115-125	3.5	4
751	Triptycences as thermally activated delayed fluorescence materials: Effect of π -conjugation length and donors. 2016 , 666, 7-12		7
750	Three carbazole-based host materials: facile synthesis, photophysical properties and performances in PhOLED. 2016 , 72, 8066-8072		11
749	Ultralow-voltage Auger-electron-stimulated organic light-emitting diodes. 2016 , 6, 036001		9
748	Rational design and characterization of heteroleptic phosphorescent iridium(III) complexes for highly efficient deep-blue OLEDs. 2016 , 4, 10246-10252		39
747	New Insights into Tunable Volatility of Ionic Materials through Counter-Ion Control. 2016 , 26, 3438-3445		40
746	Afterglow Organic Light-Emitting Diode. 2016 , 28, 655-60		282
745	Synthesis, photophysical and electroluminescent properties of blue-emitting dual core imidazoleanthracene/pyrene derivatives. 2016 , 6, 60264-60270		10
744	A theoretical investigation on the electronic structures and phosphorescent properties of three heteroleptic iridium(III) complexes with different substituted ancillary groups. 2016 , 114, 2265-2271		1
743	Synthesis, characterization and electroluminescence of carbazole-benzimidazole hybrids with thiophene/phenyl linker. <i>Dyes and Pigments</i> , 2016 , 133, 132-142	4.6	21
742	Phosphorescence quenching of neutral and cationic iridium(III) complexes by molecular oxygen and aromatic electron acceptors. 2016 , 324, 134-144		10
741	Phase behaviors of NPB molecule under vacuum. 2016 , 82, 67-70		3
740	High-efficiency phosphorescent organic light-emitting devices with low efficiency roll-off using a thermally activated delayed fluorescence material as host. <i>Organic Electronics</i> , 2016 , 36, 185-191	3.5	14
739	Improved out-coupling efficiency from a green microcavity OLED with a narrow band emission source. <i>Organic Electronics</i> , 2016 , 37, 141-147	3.5	24
738	Theoretical Insights into the Phosphorescence Quantum Yields of Cyclometalated (C ⁺ C*) Platinum(II) NHC Complexes: π -Conjugation Controls the Radiative and Nonradiative Decay Processes. 2016 , 120, 3462-3471		44
737	Achieving Extreme Utilization of Excitons by an Efficient Sandwich-Type Emissive Layer Architecture for Reduced Efficiency Roll-Off and Improved Operational Stability in Organic Light-Emitting Diodes. 2016 , 8, 3150-9		29

736	Lifetime improvement mechanism in organic light-emitting diodes with mixed materials at a heterojunction interface. <i>Japanese Journal of Applied Physics</i> , 2016 , 55, 02BB08	1.4	2
735	Physical properties of triplet excited states of [Ir(ppy) ₂ bpy] ⁺ in polar solvent and in nonaqueous confined reversed micelle. 2016 , 318, 33-41		4
734	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). 2016 , 14, 20-32		4
733	High-triplet-energy host materials derived from directly-coupled carbazole-pyridoindole moieties. <i>Dyes and Pigments</i> , 2016 , 130, 183-190	4.6	5
732	A novel high-efficiency white hyperbranched polymer derived from polyfluorene with green and red iridium(III) complexes as the cores. <i>Dyes and Pigments</i> , 2016 , 130, 191-201	4.6	8
731	Computational study on thermally activated delayed fluorescence of donor-π-acceptor network molecules. 2016 , 6, 37203-37211		14
730	A Highly Selective Chemosensor for Cyanide Derived from a Formyl-Functionalized Phosphorescent Iridium(III) Complex. 2016 , 55, 3448-61		46
729	Organic light-emitting devices based on solution-processable small molecular emissive layers doped with interface-engineering additives. 2016 , 6, 33063-33071		4
728	Mixed-Valence Cations of Di(carbazol-9-yl) Biphenyl, Tetrahydropyrene, and Pyrene Derivatives. 2016 , 120, 3156-3166		17
727	A novel host material with high thermal stability for green electrophosphorescent device. 2016 , 72, 1505-15108		
726	Optoelectronic properties of higher acenes, their BN analogue and substituted derivatives. 2016 , 170, 210-217		7
725	Supramolecular green phosphorescent polymer iridium complexes for solution-processed nondoped organic light-emitting diodes. <i>Journal of Organometallic Chemistry</i> , 2016 , 804, 1-5	2.3	3
724	New luminescent cyclometalated iridium(III) complexes containing fluorinated phenylisoquinoline-based ligands: Synthesis, structures, photophysical properties and DFT calculations. 2016 , 27, 428-432		8
723	New Benzimidazole-Based Bipolar Hosts: Highly Efficient Phosphorescent and Thermally Activated Delayed Fluorescent Organic Light-Emitting Diodes Employing the Same Device Structure. 2016 , 8, 2635-43		85
722	Benzophenones as Generic Host Materials for Phosphorescent Organic Light-Emitting Diodes. 2016 , 8, 1527-35		30
721	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. 2016 , 4, 1228-1237		41
720	Synthesis of a dibenzothiophene/carboline/carbazole hybrid bipolar host material for green phosphorescent OLEDs. 2016 , 213, 7-11		11
719	A theoretical analysis of the effects of electron-withdrawing substitutions on electronic structures and phosphorescent efficiency of a series of Ir(III) complexes with 2-phenylpyridine ligands. 2016 , 135, 1		2

718	Aromatic hydrocarbon macrocycles for highly efficient organic light-emitting devices with single-layer architectures. 2016 , 7, 896-904		52
717	The electroluminescence mechanism of non-doping PhOLEDs based on CBP/Ir(ppy) ₃ investigated by delayed EL measurements. <i>Organic Electronics</i> , 2016 , 28, 225-228	3-5	7
716	About the electronic and photophysical properties of iridium(III)-pyrazino[2,3-f][1,10]-phenanthroline based complexes for use in electroluminescent devices. 2016 , 18, 726-34		18
715	Understanding and predicting the orientation of heteroleptic phosphors in organic light-emitting materials. 2016 , 15, 85-91		181
714	Effect of the electron-accepting centre and solubilising substituents on the redox, spectroscopic and electroluminescent properties of four oxadiazoles and a triazole disubstituted with bithiophene. 2016 , 51, 2274-2282		16
713	Application of the five-membered ring blue light-emitting iridium products of cyclometalation reactions as OLEDs. 2016 , 310, 154-169		84
712	Deep blue phosphorescent organic light-emitting diodes with very high brightness and efficiency. 2016 , 15, 92-8		539
711	Charge-transporting blue emitters having donor and acceptor moieties. 2016 , 315, 121-128		6
710	Enhanced Electrogenenerated Chemiluminescence of ruthenium and iridium coordination compounds using melatonin. 2017 , 454, 58-61		1
709	Oxygen imaging of living cells and tissues using luminescent molecular probes. 2017 , 30, 71-95		65
708	Hybrid host materials for highly efficient electrophosphorescence and thermally activated delayed fluorescence independent of the linkage mode. 2017 , 19, 5177-5184		11
707	Synthesis and device properties of mCP analogues based on fused-ring carbazole moiety. <i>Organic Electronics</i> , 2017 , 42, 66-74	3-5	17
706	Theoretical Studies of Photodeactivation Pathways of NHC-Chelate Pt(II) Compounds with Different Numbers of Triarylboron Units: Radiative and Nonradiative Decay Processes. 2017 , 121, 690-698		4
705	Light Emission Mechanism. 2017 , 17-24		
704	OLED Materials. 2017 , 25-74		
703	Thieno[3,4-c]pyrrole-4,6-dione as novel building block for host materials for red PhOLEDs. 2017 , 5, 1997-2004		9
702	Phosphorescent platinum(II) complexes based on spiro linkage-containing ligands. 2017 , 5, 1944-1951		13
701	Extremely High Barrier Performance of Organic-Inorganic Nanolaminated Thin Films for Organic Light-Emitting Diodes. 2017 , 9, 5399-5408		51

700	Functional organic click-materials: application in phosphorescent organic light emitting diodes. 2017 , 7, 12150-12160		7
699	Synthesis and characterization of perfluorinated phenyl-substituted Ir(III) complex for pure green emission. 2017 , 5, 3107-3111		16
698	Efficient Blue Electroluminescence from a Single-layer Organic Device Composed Solely of Hydrocarbons. 2017 , 12, 730-733		14
697	Novel oxazole-based emitters for high efficiency fluorescent OLEDs: Synthesis, characterization, and optoelectronic properties. 2017 , 73, 2036-2042		10
696	Synthesis and Optoelectronic Exploration of Highly Conjugated 1,3,4-Oxadiazole Containing Donor-Acceptor Chromophores. 2017 , 2, 1793-1801		7
695	Synthesis, structures and photophysical properties of Cu(I) phosphine complexes with various diimine ligands. 2017 , 127, 203-211		13
694	Recent Progress in High-Efficiency Blue-Light-Emitting Materials for Organic Light-Emitting Diodes. 2017 , 27, 1603007		367
693	Low-Energy and Long-Lived Emission from Polypyridyl Ruthenium(II) Complexes Having A Stable-Radical Substituent. 2017 , 56, 3794-3808		11
692	Nondoped blue fluorescent OLED based on cyanophenanthrimidazole-styryl-triphenylamine/carbazole materials. 2017 , 30, e3695		11
691	Electrochemiluminescence of Iridium Complexes. 2017 , 359-414		6
690	Low driving voltage indium tin oxide/Al ₂ O ₃ /Cu ₂ O anode electrodes for top-emission organic light-emitting diodes. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 035802	1.4	3
689	Impact of the number of o-carboranyl ligands on the photophysical and electroluminescent properties of iridium(III) cyclometalates. 2017 , 5, 3024-3034		15
688	High-efficiency organic light-emitting diodes of phosphorescent PtAg ₂ heterotrinnuclear acetylide complexes supported by triphosphine. 2017 , 5, 3072-3078		25
687	Homoepitaxial Growth of Metal Halide Crystals Investigated by Reflection High-Energy Electron Diffraction. 2017 , 7, 40542		7
686	Correlation of Controllable Aggregation with Light-Emitting Property in Polymer Blend Optoelectronic Devices. 2017 , 13, 1602874		5
685	Triphenyl phosphine oxide and carbazole-based polymer host materials for green phosphorescent organic light-emitting diodes. 2017 , 35, 611-622		7
684	A theoretical study of phosphorescent Cu(I) complexes with 2-(2'-quinolyl)imidazole and POP mixed ligands. <i>Organic Electronics</i> , 2017 , 45, 9-19	3.5	12
683	Towards highly efficient thermally activated delayed fluorescence devices through a trap-assisted recombination mechanism and reduced interfacial exciton annihilation. 2017 , 5, 4636-4644		11

682	Efficient white-light emission from a single polymer system with spring-like self-assemblies induced emission enhancement and intramolecular charge transfer characteristics. 2017 , 5, 4763-4774		34
681	New cyclometalated Iridium(III) beta-dicetone complex as phosphorescent dopant in Organic light emitting devices. 2017 , 794, 012021		1
680	Pyrazolo[4,3-h]quinoline Ligand-Based Iridium(III) Complexes for Electrochemiluminescence. 2017 , 12, 1649-1658		14
679	Understanding the superior temperature stability of iridium light-emitting electrochemical cells. <i>Materials Horizons</i> , 2017 , 4, 657-664	14.4	14
678	Influence of the linkage mode and D/A ratio of carbazole/oxadiazole based host materials on phosphorescent organic light-emitting diodes. 2017 , 188, 612-619		7
677	Synthesis of efficient blue phosphorescent heteroleptic Ir(III) complexes containing 4-alkoxy- or 4-alkylaminopicolinate as ancillary ligands. 2017 , 188, 323-330		8
676	Accurate prediction of emission energies with TD-DFT methods for platinum and iridium OLED materials. 2017 , 23, 174		4
675	Enhanced light-outcoupling in organic light-emitting diodes through a coated scattering layer based on porous polymer films. <i>Organic Electronics</i> , 2017 , 47, 117-125	3.5	17
674	Strategy for the Realization of Efficient Solution-Processable Phosphorescent Organic Light-Emitting Devices: Design and Synthesis of Bipolar Alkynylplatinum(II) Complexes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6351-6362	16.4	62
673	Dibenzo[g,p]chrysene: A new platform for highly efficient red phosphorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , 2017 , 146, 234-239	4.6	17
672	Operational lifetimes of organic light-emitting diodes dominated by Förster resonance energy transfer. 2017 , 7, 1735		44
671	A strategy to increase phosphorescent efficiency without perturbing emission color for benzothiazole-containing iridium phosphors. <i>Dyes and Pigments</i> , 2017 , 145, 528-537	4.6	7
670	Isolation and phototransformation of enantiomerically pure iridium(III) bis[(4,6-difluorophenyl)pyridinato-N,C2]picolinate. 2017 , 7, 29550-29553		1
669	Increase of current density and luminance in organic light-emitting diode with reverse bias driving. <i>Organic Electronics</i> , 2017 , 48, 330-335	3.5	6
668	44-4L: Late-News Paper: Development of a Novel Dye-type Polarizer for Organic Light-emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 634-637	0.5	1
667	50-1: Invited Paper: Recent Advances in Measuring and Understanding the Influence of Molecular Alignment on the Light Extraction Efficiency of OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 742-745	0.5	
666	Aminoborane-based bipolar host material for blue and white-emitting electrophosphorescence devices. <i>Organic Electronics</i> , 2017 , 48, 112-117	3.5	11
665	Recent advances in functional structures for light extraction of organic light-emitting diodes. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 06GA04	1.4	7

664	Polymer Gating White Flexible Field-Induced Lighting Device. 2017 , 2, 1700017		4
663	Highly phosphorescent cyclometalated platinum(II) complexes based on 2-phenylbenzimidazole-containing ligands. 2017 , 5, 6202-6209		24
662	Hot excited state management for long-lived blue phosphorescent organic light-emitting diodes. 2017 , 8, 15566		153
661	Excited state intersystem crossing and the relaxation dynamics of phosphorescent Ir(III) complexes bearing bipyridine-based C ^N ligand. 2017 , 346, 225-235		3
660	Recent Advances in Materials with Room-Temperature Phosphorescence: Photophysics for Triplet Exciton Stabilization. 2017 , 5, 1700116		367
659	Near-infrared organic light-emitting diodes for biosensing with high operating stability. 2017 , 10, 074101		51
658	CN-Modified Host Materials for Improved Efficiency and Lifetime in Blue Phosphorescent and Thermally Activated Delayed Fluorescent Organic Light-Emitting Diodes. 2017 , 9, 13339-13346		53
657	Orthogonally substituted aryl derivatives as bipolar hosts for blue phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2017 , 46, 105-114	3-5	13
656	Star-Shaped Phenanthroimidazole-Triphenylamine-Based Yellow Organic Emitter for Organic Light Emitting Diodes. 2017 , 2, 2611-2620		9
655	Photo and electroluminescence of a platinum porphyrin doping of complexes with two metal cores. 2017 , 28, 10012-10018		
654	Exciton-Induced Degradation of Carbazole-Based Host Materials and Its Role in the Electroluminescence Spectral Changes in Phosphorescent Organic Light Emitting Devices with Electrical Aging. 2017 , 9, 14145-14152		41
653	Novel bipolar host for highly efficient green, yellow, orange, red and deep-red phosphorescent organic light-emitting devices. 2017 , 60, 504-509		6
652	High-performance light-emitting diodes based on carbene-metal-amides. 2017 , 356, 159-163		303
651	Solar Fuel Generation. 2017 , 583-615		7
650	Iridium(III) Complexes for OLED Application. 2017 , 205-274		26
649	Stable and efficient sky-blue organic light emitting diodes employing a tetradentate platinum complex. <i>Applied Physics Letters</i> , 2017 , 110, 113301	3-4	30
648	Phosphorescent Neutral Iridium (III) Complexes for Organic Light-Emitting Diodes. 2017 , 375, 39		33
647	Cyclohexane-Coupled Bipolar Host Materials with High Triplet Energies for Organic Light-Emitting Diodes Based on Thermally Activated Delayed Fluorescence. 2017 , 9, 2693-2700		21

646	Green-Light-Emitting Diodes based on Tetrabromide Manganese(II) Complex through Solution Process. 2017 , 29, 1605739		113
645	Dimethylsilyl-linked anthracene-pyrene dimers and their efficient triplet-triplet annihilation in organic light emitting diodes. 2017 , 5, 1090-1094		23
644	Organic light emitting diodes with horizontally oriented thermally activated delayed fluorescence emitters. 2017 , 5, 1216-1223		39
643	Sustainable phosphorescence based on solution-processable and vacuum-sublimable cationic ruthenium(II) complexes achieved by counter-ion control. <i>Organic Electronics</i> , 2017 , 42, 194-202	3-5	12
642	A review: additive manufacturing for active electronic components. 2017 , 12, 31-46		79
641	TADF Material Design: Photophysical Background and Case Studies Focusing on Cu and Ag Complexes. 2017 , 18, 3508-3535		137
640	Synthesis, photoluminescence properties of novel cationic Ir(III) complexes with phenanthroimidazole derivative as the ancillary ligand. 2017 , 138, 74-81		4
639	Development of antiferromagnetic Heusler alloys for the replacement of iridium as a critically raw material. 2017 , 50, 443001		29
638	Enhancement of the electroluminescence of organic light emitting devices based on Ir(ppy) ₃ by doping with metallic and magnetic nanoparticles. 2017 , 72, 78-84		7
637	An optimized p-doped hole injection structure to improve the performance of organic light emitting diodes. 2017 , 642, 333-338		6
636	Finite-size scaling and exchange-bias in SrRuO ₃ /LaNiO ₃ /SrRuO ₃ trilayers. 2017 , 122, 124304		8
635	Hydrogen-Bonding-Assisted Intermolecular Charge Transfer: A New Strategy to Design Single-Component White-Light-Emitting Materials. 2017 , 27, 1703918		66
634	Efficient sky-blue emitting Pt(II) complexes based on imidazo[1,2-f]phenanthridine-containing tetradentate ligands. 2017 , 5, 9496-9503		15
633	A Phosphanthrene Oxide Host with Close Sphere Packing for Ultralow-Voltage-Driven Efficient Blue Thermally Activated Delayed Fluorescence Diodes. 2017 , 29, 1700553		64
632	Achieving high efficiency by high temperature annealing of hole transporting polymer layer in solution-processed organic light-emitting devices. 2017 , 232, 167-170		3
631	Progress on material, structure and function for tandem organic light-emitting diodes. <i>Organic Electronics</i> , 2017 , 51, 220-242	3-5	35
630	Confinement of Long-Lived Triplet Excitons in Organic Semiconducting Host-Guest Systems. 2017 , 27, 1703902		59
629	Dibenzothiophene derived hosts with CN substituted carbazole for blue thermally activated delayed fluorescent organic light-emitting diodes. 2017 , 232, 152-158		7

628	Shorter Exciton Lifetimes via an External Heavy-Atom Effect: Alleviating the Effects of Bimolecular Processes in Organic Light-Emitting Diodes. 2017 , 29, 1701987		66
627	Efficient and stable single-doped white OLEDs using a palladium-based phosphorescent excimer. 2017 , 8, 7983-7990		36
626	Emitter Orientation as a Key Parameter in Organic Light-Emitting Diodes. 2017 , 8,		111
625	The Role of Charge Balance and Excited State Levels on Device Performance of Exciplex-based Phosphorescent Organic Light Emitting Diodes. 2017 , 7, 11995		36
624	Highly efficient organic light-emitting devices employing an ultrathin non-doped phosphorescence emitter within a thermally activated delayed fluorescence interface exciplex. 2017 , 192, 1242-1249		5
623	Sky-Blue-Emitting Dendritic Alkynylgold(III) Complexes for Solution-Processable Organic Light-Emitting Devices. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10539-10550	16.4	40
622	Effect of Topology on the Singlet-Triplet Energy Difference and their Natures: A Density Functional Theory Study of Carbazolyl-Phthalonitrile Derivatives. 2017 , 38, 899-903		2
621	Unique Solid-State Emission Behavior of Aromatic Difluoroboronated β -Diketones as an Emitter in Organic Light-Emitting Devices. 2017 , 12, 2299-2303		13
620	Efficient multilayer and single layer phosphorescent organic light-emitting devices using a host with balanced bipolar transporting properties and appropriate energy level. <i>Organic Electronics</i> , 2017 , 50, 106-114	3.5	9
619	Singlet Exciton Fraction in Electroluminescence from Conjugated Polymer. 2017 , 7, 2889		2
618	Synthesis and Characterization of a Series of Bis-homoleptic Cycloruthenates with Terdentate Ligands as a Family of Panchromatic Dyes. 2017 , 56, 9903-9912		4
617	Luminescent Iridium-containing liquid crystalline polymers in the side chain. 2017 , 44, 2348-2354		5
616	Phosphorescent Iridium(III) Cyclometalates Supported by 2-(1,2-Dihydronaphthalen-4-yl)pyridine Ligand. 2017 , 38, 544-549		
615	Substituent-effect investigation of facial and meridional tris(phenylbenzimidazolinato) Ir(III) carbene complexes: A theoretical perspective. 2017 , 232, 31-38		
614	Negative Polaron-Stabilizing Host for Improved Operational Lifetime in Blue Phosphorescent Organic Light-Emitting Diodes. 2017 , 5, 1700387		4
613	Efficient Phosphorescence from Naphthalenebenzimidazole-Coordinated Iridium(III) Chromophores. 2017 , 2017, 5238-5245		10
612	Iridium(III) complexes bearing oxadiazol-substituted amide ligands: color tuning and application in highly efficient phosphorescent organic light-emitting diodes. 2017 , 5, 9146-9156		28
611	Design and Synthesis of Heteroleptic Iridium(III) Phosphors for Efficient Organic Light-Emitting Devices. 2017 , 56, 15304-15313		18

610	Effects of acceptor on the performance of exciplex-based OLED. 2017 , 234, 95-99		9
609	A new class of gold(III) complexes with saturated poly(benzyl ether) dendrons for solution-processable blue-green-emitting organic light-emitting devices. 2017 , 1, 2559-2568		9
608	Modifying Emission Spectral Bandwidth of Phosphorescent Platinum(II) Complexes Through Synthetic Control. 2017 , 56, 8244-8256		44
607	Multilayer organic photovoltaic devices fabricated by electrospray deposition technique and the role of the interlayer. 2017 , 636, 302-306		10
606	Perspective on carbazole-based organic compounds as emitters and hosts in TADF applications. 2017 , 5, 8622-8653		185
605	Structure-Property Study on Two New D-A Type Materials Comprising Pyridazine Moiety and the OLED Application as Host. 2017 , 9, 26242-26251		23
604	Highly luminescent platinum(II) complexes based on pyrazolo[1,5-f]phenanthridine-containing ligands. <i>Organic Electronics</i> , 2017 , 50, 473-479	3.5	17
603	Novel hole transport materials based on triarylamine/naphtho[2,1-b]benzofuran for efficient green electroluminescent device. 2017 , 73, 4610-4615		4
602	OLED microdisplays in near-to-eye applications: challenges and solutions. 2017 ,		3
601	Synthesis, Structure, and OLEDs Application of Cyclometalated Iridium(III) Complexes Utilizing Substituted 2-Phenylpyridine. 2017 , 38, 788-794		10
600	Carbazolylphosphines and carbazolylphosphine oxides: facilely synthesized host materials with tunable mobilities and high triplet energy levels for blue phosphorescent OLEDs. 2017 , 5, 7344-7351		22
599	Electroluminescent Performances of Iridium Complexes with Dibenzo-18-crown-6. 2017 , 27, 941-947		
598	Phosphorescent Pt(II) and Pd(II) Complexes for Efficient, High-Color-Quality, and Stable OLEDs. 2017 , 29, 1601861		209
597	Near-Infrared Electrophosphorescence up to 1.1 μm using a Thermally Activated Delayed Fluorescence Molecule as Triplet Sensitizer. 2017 , 29, 1604265		38
596	Recent Progress in Ionic Iridium(III) Complexes for Organic Electronic Devices. 2017 , 29, 1603253		180
595	Di(biphenyl)silane and carbazole based bipolar host materials for highly efficient blue phosphorescent OLEDs. <i>Dyes and Pigments</i> , 2017 , 136, 8-16	4.6	19
594	Probing the nature of peripheral boryl groups within luminescent tellurophenes. 2017 , 196, 255-268		24
593	Pyrimidine-based twisted donor-acceptor delayed fluorescence molecules: a new universal platform for highly efficient blue electroluminescence. 2017 , 8, 953-960		112

592	Optoelectronic properties of curved carbon systems. 2017 , 111, 371-379		44
591	Phosphorescent Polymer Light-Emitting Diodes. 2017 , 489-553		
590	Polarized Light Emission from Organic Light-Emitting Diodes. 2017 , 555-585		
589	Material Challenges for Flexible OLED Displays. 2017 , 679-699		
588	Highly reliable benzothiophene-phenylquinoline based heteroleptic Ir(III) complexes; The solution process NIR phosphorescence organic light-emitting diodes. <i>Molecular Crystals and Liquid Crystals</i> , 2017 , 654, 62-72	0.5	1
587	High efficient vacuum deposited red organic light-emitting diodes compared with their solution-processed counterpart. <i>Molecular Crystals and Liquid Crystals</i> , 2017 , 654, 73-82	0.5	2
586	Color-tunable phosphorescence of 1,10-phenanthrolines by 4,7-methyl/-diphenyl/-dichloro substituents in cocrystals assembled via bifurcated C-I...N halogen bonds using 1,4-diiodotetrafluorobenzene as a bonding donor. 2017 , 73, 247-254		15
585	Direct probing of charge carrier behavior in multilayered organic light-emitting diode devices by time-resolved electric-field-induced sum-frequency generation spectroscopy. 2017 , 10, 102101		3
584	Rational design and synthesis of solution-processable red-emitting Ir(III) complexes for phosphorescent organic light-emitting diodes. <i>Molecular Crystals and Liquid Crystals</i> , 2017 , 659, 160-171 ^{0.5}		
583	Emerging Solution-Processable Luminescent Nanomaterials in Hybrid Structures Offer New Solutions for Displays and Lighting. 2017 , 33, 6-14		4
582	Thermally Activated Delayed Fluorescence Is a Key New Technology for OLED Displays. 2017 , 33, 16-44		2
581	Linearly polarized electroluminescence from ionic iridium complex-based metallomesogens: the effect of aliphatic-chain on their photophysical properties. 2018 , 6, 3298-3309		23
580	Bis(arylimidazole) Iridium Picolinate Emitters and Preferential Dipole Orientation in Films. 2018 , 3, 2673-2682		5
579	Design and synthesis of solution processable green fluorescent D _A dyads for OLED applications. 2018 , 42, 5456-5464		9
578	Unveiling the Role of Dopant Polarity in the Recombination and Performance of Organic Light-Emitting Diodes. 2018 , 28, 1800001		13
577	The effect of the embedded o-carborane ligand on the photophysical properties of a cyclometalated Pt(II) complex: a theoretical investigation. 2018 , 5, 1016-1025		12
576	Theoretical investigation on the electronic structures and spectroscopic properties as well as the features as dyes in dye-sensitized solar cells of quinonoid containing Re(I) complexes. <i>Journal of Organometallic Chemistry</i> , 2018 , 862, 40-52	2.3	11
575	Mapping recombination profiles in single-, dual-, and mixed-host phosphorescent organic light emitting diodes. <i>Organic Electronics</i> , 2018 , 57, 28-33	3.5	1

574	Highly Emissive Fused Heterocyclic Alkynylgold(III) Complexes for Multiple Color Emission Spanning from Green to Red for Solution-Processable Organic Light-Emitting Devices. 2018 , 57, 5463-5466		37
573	Multifunctional Dithiadiazolyl Radicals: Fluorescence, Electroluminescence, and Photoconducting Behavior in Pyren-1'-yl-dithiadiazolyl. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6260-6270	16.4	50
572	Ultrafast Energy Transfer in Dinuclear Complexes with Bridging 1,10-Phenanthroline-5,6-Dithiolate. 2018 , 57, 4849-4863		9
571	Green phosphorescent homoleptic iridium(III) complexes for highly efficient organic light-emitting diodes. <i>Dyes and Pigments</i> , 2018 , 156, 395-402	4.6	9
570	Highly Emissive Fused Heterocyclic Alkynylgold(III) Complexes for Multiple Color Emission Spanning from Green to Red for Solution-Processable Organic Light-Emitting Devices. 2018 , 130, 5561-5564		8
569	Fundamental and future prospects of printed ambipolar fluorene-type polymer light-emitting transistors for improved external quantum efficiency, mobility, and emission pattern. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 05GA01	1.4	2
568	Tackling the Self-Aggregation of IrIII Complexes: A Theoretical Study. 2018 , 2018, 2631-2636		1
567	Experimental analysis of dark frame growth mechanism in organic light-emitting diodes. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 02CA10	1.4	
566	Blue-light emitting electrochemical cells comprising pyrene-imidazole derivatives. 2018 , 78, 44-51		7
565	Lead-free/rare earth-free Green-light-emitting crystal based on organic-inorganic hybrid [(C10H16N)2][MnBr4] with high emissive quantum yields and large crystal size. 2018 , 1161, 262-266		24
564	Toward High-Performance Vacuum-Deposited OLEDs: Sublimable Cationic Iridium(III) Complexes with Yellow and Orange Electroluminescence. 2018 , 24, 5574-5583		16
563	A Detailed Evaluation for the Nonradiative Processes in Highly Phosphorescent Iridium(III) Complexes. 2018 , 122, 4029-4036		13
562	Efficient Nondoped Blue Fluorescent Organic Light-Emitting Diodes (OLEDs) with a High External Quantum Efficiency of 9.4% @ 1000 cd m ⁻² Based on Phenanthroimidazole-Anthracene Derivative. 2018 , 28, 1705813		143
561	Recombination Zone Control without Sensing Layer and the Exciton Confinement in Green Phosphorescent OLEDs by Excluding Interface Energy Transfer. 2018 , 122, 2951-2958		23
560	[1,2,4]Triazolo[1,5-a]pyridine as Building Blocks for Universal Host Materials for High-Performance Red, Green, Blue and White Phosphorescent Organic Light-Emitting Devices. 2018 , 10, 5714-5722		65
559	Synthesis and characterization of phosphorescent isomeric iridium complexes with a rigid cyclometalating ligand. 2018 , 140, 138-145		8
558	DFT/TDDFT investigation on the photophysical properties of a series of phosphorescent cyclometalated complexes based on the benchmark complex FIrpic. 2018 , 116, 1218-1226		7
557	All-atom simulation of molecular orientation in vapor-deposited organic light-emitting diodes. 2018 , 6, 1015-1022		25

556	Highly Efficient Phosphorescent Furo[3,2-c]pyridine Based Iridium Complexes with Tunable Emission Colors over the Whole Visible Range. 2018 , 10, 1888-1896		36
555	Novel Host Materials Based on Dibenzothiophene and Carbazolylcarbazole for Extended Lifetime in Blue Phosphorescent Organic Light-Emitting Diodes. 2018 , 6, 1701007		3
554	Spirobi[dibenzo[b,e][1,4]azasiline]: a novel platform for host materials in highly efficient organic light-emitting diodes. 2018 , 6, 1023-1030		17
553	Naphthalene-based host materials for highly efficient red phosphorescent OLEDs at low doping ratios. <i>Organic Electronics</i> , 2018 , 54, 140-147	3-5	12
552	Dispiro and Propellane: Novel Molecular Platforms for Highly Efficient Organic Light-Emitting Diodes. 2018 , 10, 1925-1932		18
551	Spatial separation of sensitizer and fluorescent emitter for high quantum efficiency in hyperfluorescent organic light-emitting diodes. 2018 , 6, 1504-1508		38
550	Twisted penta-Carbazole/Benzophenone Hybrid Compound as Multifunctional Organic Host, Dopant or Non-doped Emitter for Highly Efficient Solution-Processed Delayed Fluorescence OLEDs. 2018 , 36, 241-246		12
549	Enhanced Light Extraction from OLEDs Fabricated on Patterned Plastic Substrates. 2018 , 6, 1701244		20
548	A theoretical design of some silole-based dibenzothiophene-S,S-dioxide semiconducting compounds for red phosphorescence. <i>Organic Electronics</i> , 2018 , 54, 270-276	3-5	4
547	Molecular Design of Blue Phosphorescent Host Materials for Phenylimidazole-Type Blue Triplet Emitters to Extend Operational Lifetime. 2018 , 6, 1701263		13
546	Novel carbazole derivatives designed by an ortho-linkage strategy for efficient phosphorescent organic light-emitting diodes. 2018 , 6, 4300-4307		12
545	Liquid crystal display and organic light-emitting diode display: present status and future perspectives. 2018 , 7, 17168		436
544	Simple phenyl bridge between cyano and pyridine units to weaken the electron-withdrawing property for blue-shifted emission in efficient blue TADF OLEDs. <i>Organic Electronics</i> , 2018 , 57, 247-254	3-5	14
543	Pyrimidine based hole-blocking materials with high triplet energy and glass transition temperature for blue phosphorescent OLEDs. 2018 , 239, 43-50		11
542	Understanding the Origin of Phosphorescence in Bismoles: A Synthetic and Computational Study. 2018 , 57, 7536-7549		21
541	A universal solution-processable bipolar host based on triphenylamine and pyridine for efficient phosphorescent and thermally activated delayed fluorescence OLEDs. 2018 , 199, 465-474		17
540	Facile Preparation of Light Emitting Organic Metal Halide Crystals with Near-Unity Quantum Efficiency. 2018 , 30, 2374-2378		115
539	New carbazole-based bipolar hosts for efficient blue phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2018 , 52, 138-145	3-5	15

538	Vacuum-Deposited versus Spin-Coated Emissive Layers for Fabricating High-Performance Blue-Green-Emitting Diodes. 2018 , 83, 211-216		7
537	Influence of Dopant Concentration and Steric Bulk on Interlayer Diffusion in OLEDs. 2018 , 5, 1700872		6
536	Moving Beyond Boron-Based Substituents To Achieve Phosphorescence in Tellurophenes. 2018 , 10, 12124-12134		34
535	Synthesis and properties of novel blue light-emitting iridium complexes containing 2,2',6,6'-difluoro-2,3'-bipyridine ligands. 2018 , 355, 136-140		1
534	Highly efficient and spectrally stable white organic light-emitting diodes using new red heteroleptic Iridium(III) complexes. <i>Dyes and Pigments</i> , 2018 , 149, 363-372	4.6	6
533	Theoretical perspective on electronic structure and photophysical properties for three cyclometalated iridium(III) complexes bearing different substituent groups on the main ligands. 2018 , 96, 18-23		
532	Energy materials based on metal Schiff base complexes. 2018 , 355, 180-198		180
531	Structural Mimics of Phenyl Pyridine (ppy) - Substituted, Phosphorescent Cyclometalated Homo and Heteroleptic Iridium(III) Complexes for Organic Light Emitting Diodes - An Overview. <i>Chemical Record</i> , 2018 , 18, 293-349	6.6	35
530	Synthesis, physical and electroluminescent properties of [1,2,4]-triazolo[4,3-a]-pyridine based bipolar red host materials and their applications in organic light-emitting diodes. 2018 , 196, 470-476		3
529	Investigation of the High Electron Affinity Molecular Dopant F6-TCNNQ for Hole-Transport Materials. 2018 , 28, 1703780		44
528	Critical Role Played by the Phosphorescent Ir(III) Dendrimers in Solution-Processed Highly Efficient OLEDs. 2018 , 22, 1949-1950		
527	Efficient deep red phosphorescent OLEDs using 1,2,4-thiadiazole core-based novel bipolar host with low efficiency roll-off. 2018 , 11, 375-384		7
526	A twisted phenanthroimidazole based molecule with high triplet energy as a host material for high efficiency phosphorescent OLEDs. 2018 , 6, 12888-12895		16
525	Synthesis and Characterization Red Emitting Iridium (III) Complex with 2-(4-cynophenyl)-4 Phenyl quinoline for PhOLEDs. 2018 , 5, 22163-22170		1
524	3. Potential thermally activated delayed fluorescence properties of a series of 2,3-dicyanopyrazine based compounds. 2018 , 33-48		
523	A Solution Processed Flexible Nanocomposite Substrate with Efficient Light Extraction via Periodic Wrinkles for White Organic Light-Emitting Diodes. 2018 , 6, 1801015		19
522	Aerobic Solid State Red Phosphorescence from Benzobismole Monomers and Patternable Self-Assembled Block Copolymers. 2018 , 130, 15057-15062		11
521	Aerobic Solid State Red Phosphorescence from Benzobismole Monomers and Patternable Self-Assembled Block Copolymers. 2018 , 57, 14841-14846		41

520	Molecular Design and Device Design to Improve Stabilities of Organic Light-Emitting Diodes. 2018 , 31, 315-321	6
519	Two novel phenanthrene-based host materials in red and green organic light-emitting devices with low efficiency roll-off. 2018 , 42, 17975-17982	4
518	Photoluminescence of Cyclometalated Iridium Complexes in Poly(methyl methacrylate) Films. 2018 , 37, 3269-3277	22
517	Status and Next Steps of TADF Technology: An Industrial Perspective. 2018 , 543-572	4
516	Highly Emissive d10 Metal Complexes as TADF Emitters with Versatile Structures and Photophysical Properties. 2018 , 61-91	2
515	Efficiency Enhancement of Organic Light-Emitting Diodes Exhibiting Delayed Fluorescence and Nonisotropic Emitter Orientation. 2018 , 199-228	1
514	Optimization on Molecular Restriction for Highly Efficient Thermally Activated Delayed Fluorescence Emitters. 2018 , 6, 1800935	19
513	An external quantum efficiency of >20% from solution-processed poly(dendrimer) organic light-emitting diodes. 2018 , 2,	23
512	New Generation of High Efficient OLED Using Thermally Activated Delayed Fluorescent Materials. 2018 ,	
511	TADF Material Design: Photophysical Background and Case Studies Focusing on Cu(I) and Ag(I) Complexes. 2018 , 1-60	5
510	Luminescent Dinuclear Copper(I) Complexes with Short Intramolecular Cu-Cu Distances. 2018 , 93-118	3
509	Molecular Design and Synthesis of Metal Complexes as Emitters for TADF-Type OLEDs. 2018 , 119-176	2
508	Intersystem Crossing Processes in TADF Emitters. 2018 , 257-296	4
507	Zero-Magnetic-Field Splitting in the Excited Triplet States of Octahedral Hexanuclear Molybdenum(II) Clusters: $[Mo_6X_6Y]$ (X, Y = Cl, Br, I). 2018 , 122, 9014-9024	6
506	Substituents engineered deep-red to near-infrared phosphorescence from tris-heteroleptic iridium(III) complexes for solution processable red-NIR organic light-emitting diodes. 2018 , 6, 10640-10658	34
505	Essential Role of Ancillary Ligand in Color Tuning and Quantum Efficiency of Ir(III) Complexes with N-Heterocyclic or Mesoionic Carbene Ligand: A Comparative Quantum Chemical Study. 2018 , 122, 7532-7539	6
504	Phosphorescent Modulation of Metallophilic Clusters and Recognition of Solvents through a Flexible Host-Guest Assembly: A Theoretical Investigation. 2018 , 8,	2
503	4,5-Diazafluorene-Based Donor-Acceptor Small Molecules as Charge Trapping Elements for Tunable Nonvolatile Organic Transistor Memory. 2018 , 5, 1800747	33

502	Controlling excimer formation in indolo[3,2,1-]carbazole/9-carbazole based host materials for RGB PHOLEDs. 2018 , 6, 9914-9924		13
501	Potential thermally activated delayed fluorescence properties of a series of 2,3-dicyanopyrazine based compounds. 2018 , 3,		1
500	High Performance p- and n-Type Light-Emitting Field-Effect Transistors Employing Thermally Activated Delayed Fluorescence. 2018 , 28, 1800340		25
499	Comprehensive Investigation into Luminescent Properties of Ir(III) Complexes: An Integrated Computational Study of Radiative and Nonradiative Decay Processes. 2018 , 57, 6561-6570		27
498	Highly efficient non-doped deep-blue organic light-emitting diodes by employing a highly rigid skeleton. <i>Dyes and Pigments</i> , 2018 , 158, 396-401	4.6	9
497	P-177: Engineering Host Materials for High Efficiency and Long Operational Lifetime in Blue Phosphorescent Organic Light-emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 1825-1828	0.5	
496	[1,2,4]Triazolo[1,5- a]pyridine-Based Host Materials for Green Phosphorescent and Delayed-Fluorescence OLEDs with Low Efficiency Roll-Off. 2018 , 10, 24689-24698		33
495	Bipolar type indolocarbazole host for green phosphorescent organic light-emitting diodes. 2018 , 66, 381-386		9
494	Efficient green phosphorescent organic light-emitting diodes enabled with new and thermally stable carbazole/pyridine derivatives as hosts. <i>Dyes and Pigments</i> , 2018 , 159, 298-305	4.6	8
493	Yellow emitting Iridium (III) phenyl-benzothiazole complexes with different β -diketone ancillary ligands as dopants in white organic light-emitting diodes. 2018 , 992, 012029		1
492	Recent Progress of Highly Efficient Red and Near-Infrared Thermally Activated Delayed Fluorescent Emitters. 2018 , 6, 1800255		159
491	Efficient Outcoupling of Organic Light-Emitting Devices Using a Light-Scattering Dielectric Layer. 2018 , 5, 3315-3321		12
490	DFT/TDDFT insight into the impact of ring size of the NHC chelating unit of high effective phosphorescent Platinum (II) complexes. 2018 , 32, e4467		8
489	Recent progress in biological and chemical sensing by luminescent metal-organic frameworks. 2018 , 273, 1346-1370		53
488	Ultralong-lived room temperature triplet excitons: molecular persistent room temperature phosphorescence and nonlinear optical characteristics with continuous irradiation. 2018 , 6, 11785-11794		37
487	Toward Tunable Electroluminescent Devices by Correlating Function and Submolecular Structure in 3D Crystals, 2D-Confined Monolayers, and Dimers. 2018 , 10, 22460-22473		11
486	Thermochromic Solid-State Emission of Dipyrindyl Sulfoxide Cu(I) Complexes. 2018 , 30, 5786-5795		32
485	Superb lifetime of blue organic light-emitting diodes through engineering interface carrier blocking layers and adjusting electron leakage and an unusual efficiency variation at low electric field. 2018 , 6, 8472-8478		17

484	Using phosphorescent PtAu ₃ clusters for superior solution-processable organic light emitting diodes with very small efficiency roll-off. 2018 , 6, 8966-8976		15
483	Spontaneous Additive Nanopatterning from Solution Route Using Selective Wetting. 2018 , 10, 26501-26509		7
482	Strategy Used for Controlling the Photostability of Tridentate Pt(II) Complexes To Enhance the Device Lifetimes of Blue Phosphorescent Organic Light-Emitting Diodes: The Role of the Pt-C*(NHC) Bond and Auxiliary Ligand. 2018 , 122, 16872-16878		3
481	Quantum Chemical Design Guidelines for Absorption and Emission Color Tuning of fac-Ir(ppy) ₃ Complexes. 2018 , 23,		4
480	3,3'-Bicarbazole-Based Host Molecules for Solution-Processed Phosphorescent OLEDs. 2018 , 23,		6
479	Triaryl boron derivatives of pyridine as electron transporting materials for blue phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , 2018 , 62, 5-11	3.5	2
478	Mesoscopic FRET Antenna Materials by Self-Assembling Iridium(III) Complexes and BODIPY Dyes. 2018 , 24, 11992-11999		7
477	Organic Semiconductors ?. 2018 ,		1
476	Rational design of phosphorescent iridium(III) complexes for emission color tunability and their applications in OLEDs. 2018 , 374, 55-92		143
475	Influence of restricted rotation of small-sized substituent on phosphorescence efficiency for Pt(II) complexes: A theoretical investigation. <i>Organic Electronics</i> , 2018 , 61, 25-34	3.5	1
474	Fluorination-controlled Aggregation and Intermolecular Interactions in Pt(II) Complexes with Tetradentate Luminophores. 2018 , 58, 932-943		4
473	Utilizing triazine/pyrimidine acceptor and carbazole-triphenylamine donor based bipolar novel host materials for highly luminescent green phosphorescent OLEDs with lower efficiency roll-off. <i>Dyes and Pigments</i> , 2018 , 157, 377-384	4.6	12
472	Dinuclear Cu(I) Complex with Combined Bright TADF and Phosphorescence. Zero-Field Splitting and Spin-Lattice Relaxation Effects of the Triplet State. 2018 , 9, 2848-2856		47
471	Molecular Engineering of Phenylbenzimidazole-Based Orange Ir(III) Phosphors toward High-Performance White OLEDs. 2018 , 57, 6029-6037		8
470	Extremely low-efficiency roll-off of phosphorescent organic light-emitting diodes at high brightness based on acridine heterocyclic derivatives. 2018 , 6, 9713-9722		9
469	Ligand-induced symmetry breaking and concomitant blueshift in the emission wavelength of an octahedral chromium complex. 2018 , 24, 230		
468	Enhanced Electroluminescence from Organic Light-Emitting Diodes with an Organic-Inorganic Perovskite Host Layer. 2018 , 30, e1802662		17
467	Doped polyaniline-hybridized tungsten oxide nanocrystals as hole injection layers for efficient organic light-emitting diodes. 2018 , 6, 7242-7248		16

466	P-171: Modulation of Dibenzothiophene and Carbazole Moieties in Host Material towards High Performance Blue Phosphorescent OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 1804-1807	0.5	
465	Studies of fluorine auxochrome in C9-fluorenyl anthracenes on optoelectronic property for blue electroluminescent materials. <i>Dyes and Pigments</i> , 2018 , 158, 420-427	4.6	5
464	1,10-Phenanthroline-dithiine iridium and ruthenium complexes: synthesis, characterization and photocatalytic dihydrogen evolution. 2018 , 17, 1056-1067		8
463	Deep blue phosphorescent iridium(III) cyclometalates with o-carboranes. <i>Journal of Organometallic Chemistry</i> , 2018 , 870, 1-7	2.3	2
462	The triplet-triplet annihilation process of triplet to singlet excitons to fluorescence in polymer light-emitting diodes. <i>Organic Electronics</i> , 2018 , 62, 505-510	3.5	15
461	Triazolopyridine hybrids as bipolar host materials for green phosphorescent organic light-emitting diodes (OLEDs). <i>Dyes and Pigments</i> , 2019 , 160, 301-314	4.6	18
460	Difluoroboron-Enabled Thermally Activated Delayed Fluorescence. 2019 , 11, 32209-32217		30
459	Theoretical study of thermally activated delayed fluorescence from benzofuro[2,3-b]pyridine based emitters. <i>Molecular Crystals and Liquid Crystals</i> , 2019 , 679, 30-37	0.5	1
458	The Important Role of Coordination Geometry on Photophysical Properties of Blue-Green Emitting Ruthenium(II) Diisocyanate Complexes Bearing 2-Benzoxazol-2-ylphenolate. 2019 , 58, 11372-11381		3
457	Polypyridyl ligands as a versatile platform for solid-state light-emitting devices. 2019 , 48, 5033-5139		60
456	Dominance of Exciton Lifetime in the Stability of Phosphorescent Dyes. 2019 , 7, 1901048		9
455	Highly efficient and wide-color-gamut organic light-emitting devices using external microcavity. <i>Journal of Information Display</i> , 2019 , 20, 135-140	4.1	2
454	Dibenzo[b,d]furan and dibenzo[b,d]thiophene molecular dimers as hole blocking materials for high-efficiency and long-lived blue phosphorescent organic light-emitting diodes. 2019 , 7, 9599-9608		4
453	Dependence of apparent emitting dipole orientation of an Ir(III) complex on doping concentration, film thickness, and excitation condition. <i>Organic Electronics</i> , 2019 , 74, 299-303	3.5	7
452	The Future Is Blue (LEDs): Why Chemistry Is the Key to Perovskite Displays. 2019 , 31, 6003-6032		55
451	Ligand Mediated Luminescence Enhancement in Cyclometalated Rhodium(III) Complexes and Their Applications in Efficient Organic Light-Emitting Devices. <i>Journal of the American Chemical Society</i> , 2019 , 141, 12863-12871	16.4	32
450	High performance from extraordinarily thick organic light-emitting diodes. 2019 , 572, 502-506		98
449	Influence of Linked Bridges on Thermally Activated Delayed Fluorescence Characteristic for DCBPY Emitter. 2019 , 2, 1900076		2

448	Electrochemical and Spectroscopic Behaviors of a Novel Ruthenium(II) Complex with a Six-Membered Chelate Structure. 2019 , 58, 10436-10443	5
447	Universal Bipolar Host Materials for Blue, Green, and Red Phosphorescent OLEDs with Excellent Efficiencies and Small-Efficiency Roll-Off. 2019 , 11, 27134-27144	47
446	Unusually Fast Phosphorescence from Ir(III) Complexes via Dinuclear Molecular Design. 2019 , 10, 7015-7024	19
445	Study of the white organic electroluminescent devices performance based on phosphorescent dyes FCNirPic. 2019 , 9, 604-609	
444	High-triplet-energy Bipolar Host Materials Based on Phosphine Oxide Derivatives for Efficient Sky-blue Thermally Activated Delayed Fluorescence Organic Light-emitting Diodes with Reduced Roll-off. 2019 , 48, 1225-1228	3
443	Simultaneous Achievement of High Efficiency and Long Lifetime in Deep Blue Phosphorescent Organic Light-Emitting Diodes. 2019 , 7, 1901374	31
442	Thermally Robust and Tuneable Phosphorescent Gold(III) Complexes Bearing (N^N)-Type Bidentate Ligands as Ancillary Chelates. 2019 , 25, 3627-3636	11
441	High efficiency blue/green/yellow/red fluorescent organic light-emitting diodes sensitized by phosphors: general design rules and electroluminescence performance analysis. 2019 , 7, 11293-11302	14
440	Perspectives of Unicolored Phosphor-Sensitized Fluorescence. 2019 , 5, 1900646	11
439	Thin-film electronic devices based on conjugated structures. 2019 , 1210, 012129	1
438	Characterisation of fac-tris [2-phenylpyridinato-C 2, N]iridium(III) by inelastic neutron scattering spectroscopy and periodic density functional theory. 2019 , 3, 065010	1
437	Photophysical properties of organogold(i) complexes bearing a benzothiazole-2,7-fluorenyl moiety: selection of ancillary ligand influences white light emission. 2019 , 48, 15917-15927	15
436	Green-emitting iridium(III) complexes containing pyridine sulfonic acid as ancillary ligands for efficient OLEDs with extremely low efficiency roll-off. 2019 , 7, 11606-11611	8
435	Metal-Assisted Delayed Fluorescent Pd(II) Complexes and Phosphorescent Pt(II) Complex Based on [1,2,4]Triazolo[4,3-]pyridine-Containing Ligands: Synthesis, Characterization, Electrochemistry, Photophysical Studies, and Application. 2019 , 58, 14349-14360	21
434	Data on third order nonlinear optical properties of 2-aminopyridine barium chloride (2APBC) crystal using Z-scan technique. 2019 , 24, 100274	4
433	Exploration of the Structural and Photophysical Characteristics of Mono- and Binuclear Ir(III) Cyclometalated Complexes for Optoelectronic Applications. 2019 , 12,	4
432	Understanding the potential for efficient triplet harvesting with hot excitons. 2019 , 216, 395-413	10
431	Physical vapour deposition of cyanine salts and their first application in organic electronic devices. 2019 , 7, 414-423	0

430	Degradation Mechanism and Stability Improvement Strategy for an Organic Laser Gain Material 4,4'-Bis[(N-carbazole)styryl]biphenyl (BSBCz). 2019 , 29, 1807148	16
429	Thermally activated delayed fluorescence in dibenzothiophene sulfone derivatives: Theory and experiment. 2019 , 717, 53-58	7
428	Novel hole blocking materials based on 2,6-disubstituted dibenzo[b,d]furan and dibenzo[b,d]thiophene segments for high-performance blue phosphorescent organic light-emitting diodes. 2019 , 7, 826-834	12
427	Polynuclear Cu(i) and Ag(i) phosphine complexes containing multi-dentate polytopic ligands: syntheses, crystal structures and photoluminescence properties. 2019 , 48, 741-750	11
426	Isomeric thermally activated delayed fluorescence emitters based on indolo[2,3-b]acridine electron-donor: a compromising optimization for efficient orange-red organic light-emitting diodes. 2019 , 7, 2898-2904	20
425	Near-Infrared (NIR) Organic Light-Emitting Diodes (OLEDs): Challenges and Opportunities. 2019 , 29, 1807623	207
424	Unraveling the Emission Mechanism of Radical-Based Organic Light-Emitting Diodes. 2019 , 10, 574-580	20
423	Solvent modulated excited state processes of push-pull molecule with hybridized local excitation and intramolecular charge transfer character. 2019 , 21, 3894-3902	26
422	Experimental and theoretical studies of the structural, electronic and optical properties of BCzVB organic material. 2019 , 182, 611-617	12
421	9,9'-Bicarbazole: New Molecular Skeleton for Organic Light-Emitting Diodes. 2019 , 25, 4501-4508	17
420	Molecular Orientation and Emission Characteristics of Ir Complexes and Exciplex in Organic Thin Films. 2019 ,	2
419	Diazaspirocycles: novel platforms for efficient phosphorescent organic light-emitting diodes. 2019 , 7, 1370-1378	9
418	Nondoped blue fluorescent organic light-emitting diodes based on benzonitrile-anthracene derivative with 10.06% external quantum efficiency and low efficiency roll-off. 2019 , 7, 1014-1021	55
417	A molecular dynamics study on the interface morphology of vapor-deposited amorphous organic thin films. 2019 , 21, 1484-1490	7
416	Trends in design of C2-symmetric supramolecular chiral gelators. 2019 , 117, 236-253	7
415	Three new carbazole derivatives with high thermal stability as host for efficient green phosphorescent organic-light emitting diodes. <i>Dyes and Pigments</i> , 2019 , 171, 107670	4.6 8
414	Strategy for tuning the up-conversion intersystem crossing rates in a series of organic light-emitting diodes emitters relevant for thermally activated delayed fluorescence. 2019 , 221, 117214	0
413	Interface dipoles of Ir(ppy) on Cu(111). 2019 , 11, 12695-12703	3

412	5-2: Fluorescent OLED Achieving External Quantum Efficiency over 20% and Longer Lifetime than Phosphorescent OLED. <i>Digest of Technical Papers SID International Symposium, 2019, 50, 42-45</i>	0.5
411	The improved performance of phosphorescent p-i-n organic light emitting diodes via enhancing hole injection and reducing triplet-polaron annihilation. 2019, 6, 086214	0
410	New discovery in crystallography: correlation of terahertz time-domain spectra with crystal structures and photoluminescence properties of mononuclear/binuclear diimineCu(I)-phosphine complexes. 2019, 21, 4275-4288	7
409	Dibenzothiophene, dibenzofuran and pyridine substituted tetraphenyl silicon derivatives hosts for green phosphorescent organic light-emitting diodes. <i>Organic Electronics, 2019, 71, 258-265</i>	3.5 2
408	Impact of tunable 2-(1-indol-3-yl)acetonitrile based fluorophores towards optical, thermal and electroluminescence properties.. 2019, 9, 14544-14557	1
407	Roles of Localized Electronic Structures Caused by Degeneracy Due to Highly Symmetric Heavy Atom-Free Conjugated Molecular Crystals Leading to Efficient Persistent Room-Temperature Phosphorescence. 2019, 6, 1900410	13
406	Thioxanthen-Based Blue Thermally Activated Delayed Fluorescence Emitters for Organic Light-Emitting Diodes. 2019, 19, 6796-6800	1
405	Meta-substituted bipolar imidazole based emitter for efficient non-doped deep blue organic light emitting devices with a high electroluminescence. 2019, 379, 72-78	5
404	Molecular Orientation Effects in Organic Light-Emitting Diodes. 2019, 102, e1900048	17
403	LEDs Based on Small Molecules. 2019, 215-304	1
402	Modulating the blue shift of phosphorescence with fluorine-free group in iridium (III) complexes. 2019, 210, 479-484	3
401	Photophysical properties of structural isomers of homoleptic Ir-complexes derived from xylenyl-substituted N-heterocyclic carbene ligands. 2019, 21, 7155-7164	11
400	Understanding charge transport in Ir(ppy) ₃ :CBP OLED films. 2019, 150, 094110	16
399	High-efficiency blue-green electroluminescence from sublimable cationic iridium(III) complexes with a pyrazole-type ligand. 2019, 7, 3503-3511	8
398	In Situ Regulating the OrderDisorder Phase Transition in Cs ₂ AgBiBr ₆ Single Crystal toward the Application in an X-Ray Detector. 2019, 29, 1900234	81
397	Review of Molecular Engineering for Horizontal Molecular Orientation in Organic Light-Emitting Devices. 2019, 92, 716-728	59
396	Ancillary ligand-assisted robust deep-red emission in iridium(III) complexes for solution-processable phosphorescent OLEDs. 2019, 7, 4143-4154	14
395	Blue organic light-emitting diodes: current status, challenges, and future outlook. 2019, 7, 5874-5888	235

- 394 Towards High Performance Large Area Two Color Hybrid White Organic Light Emitting Diodes for Lighting Applications. **2019**, 123-131
- 393 Unraveling the Fate of Host Excitons in Host-Guest Phosphorescent Organic Light-Emitting Diodes. **2019**, 123, 10311-10318 9
- 392 Discovering new M-quinolate materials: theoretical insight into understanding the charge transport, electronic, self-aggregation properties in M-quinolate materials (M = Li, Na, K, Rb, Cs, Cu, Ag, and Au). **2019**, 54, 9523-9532 2
- 391 Ancillary Ligand Effects on Red-Emitting Cyclometalated Iridium Complexes. **2019**, 25, 6026-6037 20
- 390 Microwave-assisted Efficient H/D Exchange Method of 9H-Carbazole and 2-Phenylpyridine as Organic Light-emitting Materials. **2019**, 40, 186-188
- 389 Effect of Host Moieties on the Phosphorescent Spectrum of Green Platinum Complex. **2019**, 24, 7
- 388 Using ultra-fast spectroscopy to probe the excited state dynamics of a reported highly efficient thermally activated delayed fluorescence chromophore. **2019**, 7, 4210-4221 12
- 387 Metal complex based delayed fluorescence materials. *Organic Electronics*, **2019**, 69, 135-152 3.5 46
- 386 Phenanthro[9,10-d]triazole and imidazole derivatives: high triplet energy host materials for blue phosphorescent organic light emitting devices. *Materials Horizons*, **2019**, 6, 1179-1186 14.4 24
- 385 Towards blue emitting monocyclometalated gold(iii) complexes - synthesis, characterization and photophysical investigations. **2019**, 48, 7320-7330 11
- 384 Isomer dependent molecular packing and carrier mobility of N-phenylcarbazole-phenanthro[9,10-d]imidazole based materials as hosts for efficient electrophosphorescence devices. **2019**, 7, 13486-13492 14
- 383 The mutual noncovalent interactions based on metallophilic cluster and anions: A theoretical investigation of the molecular structure and spectroscopic properties of Host-Guest complexes. **2019**, 18, 1950028 1
- 382 Elucidating the effects of guest-host energy level alignment on charge transport in phosphorescent OLEDs. *Applied Physics Letters*, **2019**, 115, 263301 3.4 8
- 381 Asymmetrically twisted phenanthrimidazole derivatives as host materials for blue fluorescent, green and red phosphorescent OLEDs. **2019**, 9, 17555 10
- 380 Excited-state stability of quasi-two-dimensional metal halide perovskite films under optical and electrical excitations. *Applied Physics Letters*, **2019**, 115, 233502 3.4 7
- 379 Blue thermally activated delayed fluorescence emitters incorporating acridan analogues with heavy group 14 elements for high-efficiency doped and non-doped OLEDs. **2019**, 10, 10687-10697 57
- 378 [1,2,4]Triazolo[1,5-a]pyridine based host materials for high-performance red PhOLEDs with external quantum efficiencies over 23%. **2019**, 206, 386-392 13
- 377 Triazine-dibenzocarbazole based bipolar host materials for highly luminescent green and yellow phosphorescent organic light emitting diodes. *Dyes and Pigments*, **2019**, 163, 607-614 4.6 13

376	New blue phosphorescence from trifluorosulfonyl-substituted iridium complexes. <i>Dyes and Pigments</i> , 2019 , 163, 684-691	4.6	3
375	Recent developments in benzothiazole-based iridium(III) complexes for application in OLEDs as electrophosphorescent emitters. <i>Organic Electronics</i> , 2019 , 66, 126-135	3.5	33
374	Probing the Effects of the Number and Positions of -OCH and -CN Substituents on Color Tuning of Ir(III) Complex Derivatives through a Joint Computational and Experimental Study. 2019 , 20, 470-481		3
373	Synthesis and Characteristics of Organic Red-Emissive Materials Based on Phenanthro[9,10-d]imidazole. 2019 , 14, 821-827		2
372	[8] Cyclo-1, 4-naphthylene: A possible new member in hole transport family. 2019 , 715, 153-159		1
371	Iridium(III) complexes adopting thienylpyridine derivatives for yellow-to-deep red OLEDs with low efficiency roll-off. <i>Dyes and Pigments</i> , 2019 , 162, 863-871	4.6	8
370	Polymer bearing ortho-substituted benzene with face-to-face stacked hole-electron-transport-pair as host for PhOLED. <i>Dyes and Pigments</i> , 2019 , 163, 17-29	4.6	4
369	Reduced Efficiency Roll-Off in White Phosphorescent Organic Light-Emitting Diodes Based on Double Emission Layers. 2019 , 24,		
368	Influence of the Length of the Donor-Acceptor Bridge on Thermally Activated Delayed Fluorescence. 2019 , 10, 302-308		8
367	Organic materials for optoelectronic applications: Overview. 2019 , 3-42		3
366	High-Efficiency Blue Phosphorescent Organic Light-Emitting Devices with Low Efficiency Roll-Off at Ultrahigh Luminance by the Reduction of Triplet-Polaron Quenching. 2019 , 11, 6292-6301		16
365	Suppressed Triplet Exciton Diffusion Due to Small Orbital Overlap as a Key Design Factor for Ultralong-Lived Room-Temperature Phosphorescence in Molecular Crystals. 2019 , 31, e1807268		64
364	Fine control of optical scattering characteristics of porous polymer light-extraction layer for organic light-emitting diodes. <i>Organic Electronics</i> , 2019 , 67, 79-88	3.5	11
363	Rapid Multiscale Computational Screening for OLED Host Materials. 2019 , 11, 5276-5288		9
362	DFT and TD-DFT study a series of blue and green iridium complexes with mesityl-phenyl-imidazole ligand. <i>Organic Electronics</i> , 2019 , 64, 181-187	3.5	6
361	DFT and TD-DFT study of iridium complexes with low-color-temperature and low-efficiency roll-off properties. 2019 , 33, e4563		4
360	Recent advances in quantum dot-based light-emitting devices: Challenges and possible solutions. 2019 , 24, 69-93		127
359	Understanding molecular fragmentation in blue phosphorescent organic light-emitting devices. <i>Organic Electronics</i> , 2019 , 64, 15-21	3.5	27

358	Photophysical and optoelectronic properties of a platinum(II) complex and its derivatives, designed as a highly efficient OLED emitter: A theoretical study. 2019 , 119, e25793		5
357	Luminescent oligonuclear metal complexes and the use in organic light-emitting diodes. 2019 , 378, 121-133		61
356	Phthalonitrile-based bipolar host for efficient green to red phosphorescent and TADF OLEDs. <i>Dyes and Pigments</i> , 2020 , 173, 107895	4.6	7
355	Delayed adjuvant hormonal therapy and its impact on mortality in women with breast cancer. 2020 , 26, 952-959		1
354	A high throughput molecular screening for organic electronics via machine learning: present status and perspective. <i>Japanese Journal of Applied Physics</i> , 2020 , 59, SD0801	1.4	19
353	Bicarbazole/nitrogen heterocycle based bipolar host materials for efficient green phosphorescent organic light-emitting diodes. 2020 , 76, 130439		
352	Orange-emitting supramolecular phosphorescent polymer with different counterions for polymer light-emitting diodes. <i>Dyes and Pigments</i> , 2020 , 172, 107790	4.6	4
351	An effective thermally activated delayed fluorescence host material for highly efficient blue phosphorescent organic light-emitting diodes with low doping concentration. 2020 , 388, 112178		1
350	Nonlinear optoelectronic processes in organic optoelectronic devices: Triplet-triplet annihilation and singlet fission. 2020 , 139, 100519		29
349	Dipolar and Quadrupolar Luminophores Based on 1,8-Dimethylcarbazole-Triazine Conjugates for High-Efficiency Blue Thermally Activated Delayed Fluorescence OLEDs. 2020 , 4, 82-88		7
348	Room Temperature Phosphorescent (RTP) N-Acetylphenothiazines. 2020 , 4, 282-286		3
347	Blue-phosphorescent bis-cyclometalated iridium complexes with aryl isocyanide ancillary ligands. 2020 , 178, 114332		6
346	Unveiling the Root Cause of the Efficiency-Lifetime Trade-Off in Blue Fluorescent Organic Light-Emitting Diodes. 2020 , 16, 1-8		5
345	Solution-processed hybrid hosts: a way to explore high triplet energy with admirable current and power efficiency without outcoupling techniques for phosphorescent OLEDs. 2020 , 8, 228-239		7
344	Synthesis of nonplanar bipyridyls bridged by disilane and disiloxane and their phosphorescent copper complexes. 2020 , 34, e5306		2
343	ToF-SIMS of OLED materials using argon gas cluster ion Beam: A promising approach for OLED inspection. 2020 , 507, 144887		4
342	Recent Progress in Emerging Near-Infrared Emitting Materials for Light-Emitting Diode Applications. 2020 , 02, 253-281		8
341	Photoluminescent properties and molecular structures of dinuclear gold(I) complexes with bridged diphosphine ligands: near-unity phosphorescence from XMMCT/MC. 2020 , 49, 15204-15212		1

340	Electrochemical and Spectroelectrochemical Comparative Study of Macrocyclic Thermally Activated Delayed Fluorescent Compounds: Molecular Charge Stability vs OLED EQE Roll-Off. 2020 , 9, 2153-2161	3
339	P-181: Efficient Thermally Activated Delayed Fluorescence Sensitizer of Hyperfluorescence OLED by Adding Blocking Group. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 2058-2060	0.5
338	P-198: Carboline-Derived Hosts with Triazine Core for High Efficiency and Long Lifetime in Deep-Blue Phosphorescent Organic Light-Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 2083-2086	0.5
337	New blue phosphorescent heteroleptic Ir(III) complexes with imidazole- and N-methylimidazole carboxylates as ancillary ligands. 2020 , 8, 13843-13851	5
336	Intense Red-Blue Luminescence Based on Superfine Control of Metal-Metal Interactions for Self-Assembled Platinum(II) Complexes. 2020 , 132, 18882-18889	3
335	High-efficiency non-doped deep-blue fluorescent organic light-emitting diodes based on carbazole/phenanthroimidazole derivatives. 2020 , 8, 10185-10190	21
334	TADF Technology for Efficient Blue OLEDs: Status and Challenges from an Industrial Point of View. 2020 ,	2
333	Tetradentate Pt(II) Complexes for Spectrum-Stable Deep-Blue and White Electroluminescence. 2020 , 8, 2000406	13
332	Charge-transfer processes in metal complexes enable luminescence and memory functions. 2020 , 4, 528-541	49
331	Intense Red-Blue Luminescence Based on Superfine Control of Metal-Metal Interactions for Self-Assembled Platinum(II) Complexes. 2020 , 59, 18723-18730	27
330	Transition Metal Complexes as Photofunctional Materials From Photosensitization and Photochromism to Artificial Photosynthesis and Energy Applications. 2020 , 2-2	1
329	H ₂ O-Induced Crystallization of Organic Luminescent Thin Films by Direct Film Storage in a High Vacuum. 2020 , 124, 24919-24929	2
328	Dissociative single and double photoionization of biphenyl (C ₁₂ H ₁₀) by soft X-rays in planetary nebulae. 2020 , 499, 6066-6083	1
327	Origin and Suppression of External Quantum Efficiency Roll-Off in Quasi-Two-Dimensional Metal Halide Perovskite Light-Emitting Diodes. 2020 , 124, 27422-27428	7
326	Advancing the a Posteriori Quest for Deep-Blue Phosphorescence: Quantifying Excitation-Induced Metal-to-Ligand Charge Transfer as a Guiding Indicator. 2020 , 39, 3951-3960	2
325	Organic light emitting diode devices: An energy efficient solid state lighting for applications. 2020 , 133, 110043	42
324	Investigation of photophysical, electrochemical and electroluminescent properties of Iridium(III)bis[2-phenylbenzo[d]thiazolato-N,C2?]-quinolin-8-olate for white organic light-emitting diodes application. 2020 , 31, 15707-15717	2
323	Effects of steric encumbrance of iridium(iii) complex core on performance of solution-processed organic light emitting diodes.. 2020 , 10, 27552-27559	1

322	Recent Advances in Metal-TADF Emitters and Their Application in Organic Light-Emitting Diodes. 2020 , 8, 653	14
321	Highly efficient OLED device based on the double emissive layer with an EQE about 39%. 2020 , 221, 165350	4
320	Organic light emitters exhibiting very fast reverse intersystem crossing. 2020 , 14, 643-649	163
319	Butterfly-Shaped Thiophene-Pyridine Hybrids: Green Electroluminescence and Large Third-Order Optical Nonlinearities. 2020 , 85, 1762-1777	1
318	Molecular-Level Insight of Cu(I) Complexes with the 7,8-Bis(diphenylphosphino)-7,8-dicarba--undecaborate Ligand as a Thermally Activated Delayed Fluorescence Emitter: Luminescent Mechanism and Design Strategy. 2020 , 59, 12039-12053	10
317	Bis-cyclometallated Ir(III) complexes containing 2-(1-pyrazol-3-yl)pyridine ligands; influence of substituents and cyclometallating ligands on response to changes in pH. 2020 , 49, 12025-12036	2
316	Precise Exciton Management of Quaternary Emission Layers for Highly Stable Organic Light-Emitting Diodes Based on Thermally Activated Delayed Fluorescence. 2020 , 12, 50668-50674	2
315	Computer aided design of stable and efficient OLEDs. 2020 , 128, 160901	6
314	Plasmonic enhancement of stability and brightness in organic light-emitting devices. 2020 , 585, 379-382	43
313	Deep-blue organic light-emitting diodes based on a doublet - transition cerium(III) complex with 100% exciton utilization efficiency. 2020 , 9, 157	17
312	Long-Lived Efficient Inverted Organic Light-Emitting Diodes Developed by Controlling Carrier Injection Barrier into Emitting Layer. 2020 , 8, 2000506	3
311	Quantum Dots for Display Applications. 2020 , 132, 22496-22507	14
310	Quantum Dots for Display Applications. 2020 , 59, 22312-22323	70
309	Carbazole/Benzimidazole-Based Bipolar Molecules as the Hosts for Phosphorescent and Thermally Activated Delayed Fluorescence Emitters for Efficient OLEDs. 2020 , 5, 10553-10561	15
308	Cyclometalated Ir(III) complexes towards blue-emissive dopant for organic light-emitting diodes: fundamentals of photophysics and designing strategies. 2020 , 7, 2396-2422	27
307	Structural, electronic and optical properties of In ₂ O ₃ : a density functional study. 2020 , 52, 1	2
306	Molecular deposition condition dependent structural and charge transport properties of CBP films. 2020 , 182, 109785	3
305	Development of fluorinated benzils and bisbenzils as room-temperature phosphorescent molecules. 2020 , 16, 1154-1162	4

304	tert-Butyl-substituted bicarbazole as a bipolar host material for efficient green and yellow PHOLEDs. 2020 , 44, 10472-10478		5
303	Organic Light-Emitting Devices. 2020 , 179-244		
302	Dual Mode Radiative Transition from a Phenoselenazine Derivative and Electrical Switching of the Emission Mechanism. 2020 , 11, 5591-5600		13
301	Device Efficiency of Organic Light-Emitting Diodes 1). 2020 , 243-285		
300	External Quantum Efficiency Exceeding 24% with CIE Value of 0.08 using a Novel Carbene-Based Iridium Complex in Deep-Blue Phosphorescent Organic Light-Emitting Diodes. 2020 , 32, e2002120		34
299	Enhanced 1.54- μm photo- and electroluminescence based on a perfluorinated Er(III) complex utilizing an iridium(III) complex as a sensitizer. 2020 , 9, 32		12
298	Combined ultrafast spectroscopic and TDDFT theoretical studies on dual fluorescence emissions promoted by ligand-to-metal charge transfer (LMCT) excited states of tungsten-containing organometallic complexes. 2020 , 748, 137396		2
297	Judicious Choice of N-Heterocycles for the Realization of Sky-Blue- to Green-Emitting Carbazolylgold(III) C ⁺ C ⁺ N Complexes and Their Applications for Organic Light-Emitting Devices. 2020 , 59, 9684-9692		16
296	Efficient red phosphorescent Ir(III) complexes based on rigid ligands with high external quantum efficiency and low efficiency roll-off. 2020 , 8, 6168-6175		4
295	A comparative computational analysis on the photophysical and charge transport properties of three 5,5-bis(2,2-diphenylvinyl)-biheterocyclic compounds. 2020 , 748, 137348		1
294	A theoretical study: Green phosphorescent iridium(III) complexes with low-efficiency roll-off. 2020 , 34, e5525		1
293	Role of host excimer formation in the degradation of organic light-emitting devices. <i>Applied Physics Letters</i> , 2020 , 116, 063302	3-4	3
292	Organic Light-Emitting Diodes: Pushing Toward the Limits and Beyond. 2020 , 32, e1907539		89
291	Theoretical perspective on the electronic structure and photophysical properties for a series of mixed-carbene tris-cyclometalated iridium(III) complexes.. 2020 , 10, 18519-18525		3
290	High moisture-resistive MoOx/metal/graphite barrier films with excellent thermal dissipation for the encapsulation of organic electronics. <i>Organic Electronics</i> , 2020 , 86, 105817	3-5	1
289	Yellowish-orange phosphorescent iridium(III) complexes of bis-cyclometalated ligand with pyrazolone derivatives: synthesis, characterization, photophysical and thermal properties. 2020 , 31, 13778-13786		1
288	Novel self-host heteroleptic green iridium dendrimers based on carbazole dendrons for solution-processable non-doped phosphorescent organic light-emitting diodes. 2020 , 106, 109976		1
287	Highly efficient deep-blue fluorescence OLEDs with excellent charge balance based on phenanthro[9,10-d]oxazole-anthracene derivatives. 2020 , 8, 11168-11176		23

286	Effect of insertion of bathocuproine buffer layer at grating-structured cathode/organic-layer interface in bulk-heterojunction solar cells. 2020 , 10, 015144		2
285	Diphenylamine/triazine hybrids as bipolar hosts for phosphorescent organic light-emitting diodes. 2020 , 8, 4461-4468		7
284	Highly Efficient Phosphorescent Tetradentate Platinum(II) Complexes Containing Fused 6/5/6 Metalloacycles. 2020 , 59, 3718-3729		20
283	Recent advances in thermally activated delayed fluorescence for white OLEDs applications. 2020 , 31, 4444-4462		12
282	Thermally Stimulated Delayed Phosphorescence (TSDP)-Based Gold(III) Complexes of Tridentate Pyrazine-Containing Pincer Ligand with Wide Emission Color Tunability and Their Application in Organic Light-Emitting Devices. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2448-2459	16.4	27
281	Synthesis and characterization of novel phosphorescent host materials based on triphenylpyridine derivatives. 2020 , 74, 2145-2152		3
280	Dinuclear metal complexes: multifunctional properties and applications. 2020 , 49, 765-838		72
279	Exciton efficiency beyond the spin statistical limit in organic light emitting diodes based on anthracene derivatives. 2020 , 8, 3773-3783		13
278	Low turn-on voltage of doped organic light emitting diodes based on food dyes. 2020 , 5, 100099		1
277	Hole hopping in dimers of N,N' di(1-naphthyl)-N,N'-diphenyl-4,4'-diamine (BNPD): a theoretical study. 2020 , 22, 3539-3544		1
276	. 2020 ,		
275	Sky-blue iridium complexes with pyrimidine ligands for highly efficient phosphorescent organic light-emitting diodes. 2020 , 44, 8743-8750		7
274	Rigid indolocarbazole donor moiety for highly efficient thermally activated delayed fluorescent device. <i>Dyes and Pigments</i> , 2020 , 180, 108485	4.6	8
273	Inkjet printing a small-molecule binary emitting layer for organic light-emitting diodes. 2020 , 8, 6906-6913		10
272	Judicious Choice of N-Heterocycles for the Realization of Sky-Blue- to Green-Emitting Carbazolylgold(III) C ⁺ C ⁺ N Complexes and Their Applications for Organic Light-Emitting Devices. 2020 , 132, 9771-9779		6
271	Luminescent d8 metal complexes of platinum(II) and gold(III): From photophysics to photofunctional materials and probes. 2020 , 414, 213298		53
270	Design of hole transport type host for stable operation in blue organic light-emitting diodes. <i>Organic Electronics</i> , 2020 , 82, 105724	3.5	1
269	Imidazo[1,2-]pyridazine as Building Blocks for Host Materials for High-Performance Red-Phosphorescent Organic Light-Emitting Devices. 2020 , 12, 19701-19709		10

268	Novel Positive Polaron Stabilizing n-Type Host for High Efficiency and Long Lifetime in Blue Phosphorescent Organic Light-Emitting Diodes. 2020 , 12, 19737-19745		12
267	A study on the effect of a pyridine secondary acceptor on the emission properties of thermally activated delayed fluorescence emitters. 2020 , 8, 7485-7491		4
266	Synthesis and characterization of homoleptic triply cyclometalated iridium(III) complex containing 6-(pyridin-2-yl)isoquinoline moiety for solution-processable orange-phosphorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , 2021 , 185, 108880	4.6	5
265	Efficient rare earth cerium(III) complex with nanosecond - emission for blue organic light-emitting diodes. 2021 , 8, nwa193		14
264	Anthracene-based fluorescent emitters toward superior-efficiency nondoped TTA-OLEDs with deep blue emission and low efficiency roll-off. <i>Chemical Engineering Journal</i> , 2021 , 421, 127748	14.7	12
263	Extended ligand conjugation and dinuclearity as a route to efficient platinum-based near-infrared (NIR) triplet emitters and solution-processed NIR-OLEDs. 2021 , 9, 127-135		19
262	Recent progress in hot exciton materials for organic light-emitting diodes. 2021 , 50, 1030-1069		118
261	Revealing the marked differences of phosphorescence efficiencies on C ? N ? N-coordinated Pt(II) complexes: A theoretical study. 2021 , 35,		
260	Persistent room temperature blue phosphorescence from racemic crystals of 1,1-diphenylmethanol derivatives. 2021 , 407, 113043		2
259	Highly efficient full-fluorescence organic light-emitting diodes with exciplex cohosts. <i>Organic Electronics</i> , 2021 , 88, 106004	3.5	2
258	High-Efficiency, Non-doped, Pure-Blue Fluorescent Organic Light-Emitting Diodes via Molecular Tuning Regulation of Hot Exciton Excited States. 2021 , 13, 970-980		19
257	Optical analysis of the dual-microcavity effect in a red light-emitting organic device. <i>Journal of Information Display</i> , 2021 , 22, 99-106	4.1	
256	Progress in organic semiconducting materials with high thermal stability for organic light-emitting devices. 2021 , 3, 61-81		12
255	Molecular design tactics enhancing the negative polaron stability of a p-type host for long device lifetime by fusion of carbazole with furan.		
254	TADF and Hyperfluorescence. 2021 , 39-65		
253	Design of pyridinylphosphinate-based blue iridium phosphors for high-efficiency organic light-emitting diodes. 2021 , 50, 3887-3893		5
252	Simultaneous fluorescence and phosphorescence in Zn(II)zwitterionic coordination polymers with tunable colors. 2021 , 9, 4233-4239		2
251	Red phosphorescent binuclear Pt(II) complexes incorporating bis(diphenylphosphorothioyl)amide ligands: synthesis, photophysical properties and application in solution processable OLEDs. 2021 , 9, 9505-9514 ⁰		

250	Efficient solution-processed deep-blue CIE _y ? (0.05) and pure-white CIE _{x,y} ? (0.34, 0.32) organic light-emitting diodes: experimental and theoretical investigation. 2021 , 9, 4935-4947	14
249	Molecular Devices. 2021 , 206-240	1
248	Non-Stereogenic Dinuclear Ir(III) Complex with a Molecular Rack Design to Afford Efficient Thermally Enhanced Red Emission. 2021 , 60, 1780-1789	12
247	New phosphorescent iridium(III) dipyrinato complexes: synthesis, emission properties and their deep red to near-infrared OLEDs. 2021 , 50, 10629-10639	3
246	Phosphorescent [3 + 2 + 1] coordinated Ir(III) cyano complexes for achieving efficient phosphors and their application in OLED devices. 2021 , 12, 10165-10178	7
245	A Brief History of OLEDs-Emitter Development and Industry Milestones. 2021 , 33, e2005630	125
244	Halide-Enhanced Spin-Orbit Coupling and the Phosphorescence Rate in Ir(III) Complexes. 2021 , 60, 642-650	7
243	N-Heterocyclic Carbene-Based Tetradentate Pd(II) Complexes for Deep-Blue Phosphorescent Materials. 2021 , 40, 472-481	6
242	cis-Quinacridone-Based Delayed Fluorescence Emitters: Seemingly Old but Renewed Functional Luminogens. 2021 , 60, 7643-7648	31
241	Blue Emissive fac/mer-Iridium (III) NHC Carbene Complexes and their Application in OLEDs. 2021 , 9, 2001994	15
240	Thermal equilibration between singlet and triplet excited states in organic fluorophore for submicrosecond delayed fluorescence. 2021 , 7,	33
239	cis-Quinacridone-Based Delayed Fluorescence Emitters: Seemingly Old but Renewed Functional Luminogens. 2021 , 133, 7721-7726	9
238	Decoration of 1,3,5-triazine backbone structure with dibenzofuran and triphenylsilyl blocking groups for high stability n-type host in deep blue phosphorescent organic light-emitting diodes. 2021 , 95, 260-266	2
237	Markedly Improved Performance of Optically Pumped Organic Lasers with Two-Dimensional Distributed-Feedback Gratings. 2021 , 8, 1324-1334	6
236	PhenothiazineQuinoline Conjugates Realizing Intrinsic Thermally Activated Delayed Fluorescence and Room-Temperature Phosphorescence: Understanding the Mechanism and Electroluminescence Devices. 2021 , 2, 2000201	2
235	A posteriori corrections to the iterative qubit coupled cluster method to minimize the use of quantum resources in large-scale calculations. 2021 , 6, 024012	5
234	Elaborate Design of d-d Heteronuclear Phosphors for Ultrahigh-Efficiency Solution-Processed Organic Light-Emitting Diodes. 2021 , 13, 14433-14439	2
233	Predicting Excited-State and Luminescence Properties of a Cyclometalated Iridium(III) Complex: Quantum Mechanics/Molecular Mechanics Study. 2021 , 125, 5670-5677	5

232	Relationship Between Structure and Electroluminescent, Photochromic, or Second-Order Nonlinear Optical Property. 2021 , 531-575		
231	Green electrogenerated chemiluminescence using a quinacridone derivative as a guest molecule. 2021 , 127, 107047		3
230	Green phosphorescent organic light-emitting diode exhibiting highest external quantum efficiency with ultra-thin undoped emission layer. 2021 , 11, 8436		1
229	Relationship Between Structure and Electroluminescent, Photochromic, or Second-Order Nonlinear Optical Property. 2021 , 575-599		
228	Unraveling exciton processes in Ir(ppy):CBP OLED films upon photoexcitation. 2021 , 154, 164101		6
227	Synthesis and Characterization of Monomeric Hexacoordinated Chalcogenonium Salts Bearing 2-(2-Pyridyl)phenyl Ligands. 2021 , 94, 1192-1200		
226	25-1: Invited Paper: Multiscale Charge Transport Simulation and in silico Material Design for Highly-Efficient OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2021 , 52, 308-311	0.5	
225	Protecting Benzylic C-H Bonds by Deuteration Doubles the Operational Lifetime of Deep-Blue Ir-Phenylimidazole Dopants in Phosphorescent OLEDs. 2021 , 9, 2100630		17
224	19-3: Lifetime Enhancement Toward Commercialization of Hyperfluorescence. <i>Digest of Technical Papers SID International Symposium</i> , 2021 , 52, 232-235	0.5	1
223	Effects of Substitution Position of Carbazole-Dibenzofuran Based High Triplet Energy Hosts to Device Stability of Blue Phosphorescent Organic Light-Emitting Diodes. 2021 , 26,		3
222	Prospects and challenges of mini-LED, OLED, and micro-LED displays. 2021 , 29, 446-465		31
221	C2-, C3- spirobifluorene fused carbazole modified triazine as an electron transport type host of exciplex. <i>Dyes and Pigments</i> , 2021 , 189, 109247	4.6	1
220	Long-Persistent Luminescence from an Exciplex-Based Organic Light-Emitting Diode. 2021 , 33, e2008844		18
219	Novel difluorenyl substituted 1,3,5-triazine and carbazole based bipolar host materials with high thermal stability for efficient green phosphorescent organic light-emitting diodes (PhOLEDs). 2021 , 90, 132175		2
218	Effect of the relationship between the energy levels of host and guest on EL performance of phosphorescence organic light-emitting diodes. <i>Organic Electronics</i> , 2021 , 93, 106128	3.5	2
217	Electronic and transport properties of the dual-emitter organometallic compound IrQ(ppy) ₂ . <i>Journal of Organometallic Chemistry</i> , 2021 , 942, 121814	2.3	
216	Open for Bismuth: Main Group Metal-to-Ligand Charge Transfer. 2021 , 60, 10137-10146		5
215	Molecular Design of Luminescent Gold(III) Emitters as Thermally Evaporable and Solution-Processable Organic Light-Emitting Device (OLED) Materials. 2021 , 121, 7249-7279		26

214	Active Control of Spontaneous Orientation Polarization of Tris(8-hydroxyquinolino)aluminum (Alq3) Films and Its Effect on Performance of Organic Light-Emitting Diodes. 2021 , 7, 2100486	2
213	Light Absorption and Emission Properties of Organic Semiconductors. 2021 , 93-136	
212	Iridium(III)-Catalyzed Diarylation/Annulation of Benzoic Acids: Facile Access to Multi-Aryl Spirobifluorenes as Pure Hydrocarbon Hosts for High-Performance OLEDs. 2021 , 133, 19000-19007	1
211	Iridium(III)-Catalyzed Diarylation/Annulation of Benzoic Acids: Facile Access to Multi-Aryl Spirobifluorenes as Pure Hydrocarbon Hosts for High-Performance OLEDs. 2021 , 60, 18852-18859	9
210	High-performance non-doped pure-blue electroluminescent device based on bisphenanthroimidazole derivative with twisted donor-acceptor structure. <i>Organic Electronics</i> , 2021 , 94, 106171	3-5
209	Advanced Molecular Design for Organic Light Emitting Diode Emitters Based on Horizontal Molecular Orientation and Thermally Activated Delayed Fluorescence. 2021 , 295-305	
208	Deep Blue Fluorescent Material with an Extremely High Ratio of Horizontal Orientation to Enhance Light Outcoupling Efficiency (44%) and External Quantum Efficiency in Doped and Non-Doped Organic Light-Emitting Diodes. 2021 , 13, 34605-34615	4
207	Recent advances in organic luminescent materials with narrowband emission. 2021 , 13,	41
206	Light extraction enhancement in organic light-emitting diodes through polyimide/porous silica hybrid films. <i>Organic Electronics</i> , 2021 , 95, 106213	3-5 3
205	Fused-Nonacyclic Multi-Resonance Delayed Fluorescence Emitter Based on Ladder-Thiaborin Exhibiting Narrowband Sky-Blue Emission with Accelerated Reverse Intersystem Crossing. 2021 , 60, 20280-20285	39
204	Organic Light-Emitting Devices with High External Quantum Efficiency and Operational Stability Based on Highly Phosphorescent Cyclometalating Rhodium(III) Complexes.	1
203	High efficiency blue organic light-emitting diodes with below-bandgap electroluminescence. 2021 , 12, 4868	13
202	38.1: Invited Paper: Hyperfluorescence—Excel the performance, Create the Future. <i>Digest of Technical Papers SID International Symposium</i> , 2021 , 52, 480-483	0.5
201	Near-infrared emitting iridium complexes: Molecular design, photophysical properties, and related applications. 2021 , 24, 102858	3
200	P-13.1: Preparation, Photophysical Properties, and Device Performance of [3+2+1] Coordinated Iridium(III) Emitters. <i>Digest of Technical Papers SID International Symposium</i> , 2021 , 52, 1014-1015	0.5
199	Fused-Nonacyclic Multi-Resonance Delayed Fluorescence Emitter Based on Ladder-Thiaborin Exhibiting Narrowband Sky-Blue Emission with Accelerated Reverse Intersystem Crossing. 2021 , 133, 20442-20447	10
198	Wide-Range Color Tuning of Narrowband Emission in Multi-resonance Organoboron Delayed Fluorescence Materials through Rational Imine/Amine Functionalization. 2021 , 133, 23326	4
197	Luminescence Investigations of the Effect of the Structure of the Molecules on their Stability during Interaction with Electrons in the Gas Phase. 2021 , 88, 825-830	

196	An Air- and Water-Stable B ₄ N ₄ -Heteropentalene Serving as a Host Material for a Phosphorescent OLED. 2021 , 133, 24005		1
195	Effect of hybridized local and charge transfer molecules rotation in excited state on exciton utilization. 2021 , 11, 17686		
194	Wide-Range Color Tuning of Narrowband Emission in Multi-resonance Organoboron Delayed Fluorescence Materials through Rational Imine/Amine Functionalization. 2021 , 60, 23142-23147		25
193	An Air- and Water-Stable B N -Heteropentalene Serving as a Host Material for a Phosphorescent OLED. 2021 , 60, 23812-23818		3
192	Efficiency enhancement in orange red thermally activated delayed fluorescence OLEDs by using a rigid di-indolocarbazole donor moiety. <i>Dyes and Pigments</i> , 2021 , 194, 109580	4.6	2
191	New blue phosphorescent Pt(II) complex with pyridyltriazole-based tetradentate ligand for organic light-emitting diodes. <i>Organic Electronics</i> , 2021 , 98, 106300	3.5	0
190	Efficient Solid-State triplet-triplet annihilation up-conversion electroluminescence device by incorporating intermolecular intersystem-crossing dark sensitizer. <i>Chemical Engineering Journal</i> , 2022 , 427, 130889	14.7	7
189	The effect of heavy atoms replacement sites on the luminescent ways of D-A-D type diphenyl sulfone molecules: Thermally activated delayed fluorescence and phosphorescence. 2022 , 264, 120249		0
188	Phosphorescent OLEDs for Power-Efficient Displays. 2021 , 1-38		
187	Design and synthesis of yellow- to red-emitting gold(III) complexes containing isomeric thienopyridine and thienoquinoline moieties and their applications in operationally stable organic light-emitting devices. <i>Materials Horizons</i> , 2021 ,	14.4	3
186	A new host material achieving above 75 cd A ⁻¹ current efficiency with top-emitting deep-red phosphorescent organic light-emitting diodes.		1
185	Molecular design of efficient yellow- to red-emissive alkynylgold(III) complexes for the realization of thermally activated delayed fluorescence (TADF) and their applications in solution-processed organic light-emitting devices. 2021 , 12, 9516-9527		4
184	Highly efficient phosphorescent organic light-emitting diodes based on novel bipolar iridium complexes with easily-tuned emission colors by adjusting fluorine substitution on phenylpyridine ligands. 2021 , 9, 8329-8336		1
183	Printable Organic Electronic Materials for Precisely Positioned Cell Attachment. 2021 , 37, 1874-1881		1
182	A solution-processed bis-tridentate iridium(III) complex-cored dendrimer for green OLEDs. 2021 , 9, 9545-9554		2
181	A series of novel host materials based on the 10,11-dihydro-5H-dibenzo[b,f]azepine unit for highly efficient green and red organic light-emitting diodes. 2021 , 9, 2969-2976		1
180	High-Purity and Saturated Deep-Blue Luminescence from -NHC Platinum(II) Butadiyne Complexes: Properties and Organic Light Emitting Diode Application. 2021 , 13, 5327-5337		7
179	Red to near-infrared phosphorescent Ir(III) complexes with electron-rich chelating ligands. 2021 , 57, 1975-1988		15

178	Organic/inorganic hybrid thin film light-emitting devices: interfacial engineering and device physics. 2021 , 9, 1484-1519		7
177	Combinatorial donor engineering for highly efficient blue thermally activated delayed fluorescence emitters with low efficiency roll-off.		
176	Matrix-Free Hyperfluorescent Organic Light-Emitting Diodes Based on Carbene/Metal Amides. 2021 , 9, 2001965		4
175	Acyclic, Linear Oligo-meta-phenylenes as Multipotent Base Materials for Highly Efficient Single-layer Organic Light-emitting Devices. 2020 , 15, 2181-2186		6
174	Unveiling the Dual Emission Photo-Deactivation Mechanism of a Neutral Heteroleptic Iridium (III) Complex. 2018 , 19, 2200-2207		7
173	Low-Lying Electronic States and Photophysical Properties of Organometallic Pd(II) and Pt(II) Compounds. Modern Research Trends Presented in Detailed Case Studies. 2001 , 81-186		132
172	Sol-Gel Hybrids for Electronic Applications: Hermetic Coatings for Microelectronics and Energy Storage. 2009 , 429-453		3
171	Sol-Gel Packaging for Electrochemical Devices. 2012 , 375-392		2
170	White OLED Materials. 2017 , 293-320		1
169	Organic Semiconductors. 2010 , 451-463		4
168	Excitons and Energy Transfer in Doped Luminescent Molecular Organic Materials. 2001 , 391-441		9
167	Asymmetrically difunctionalized dibenzo[b,d]furan-based hole blocking materials for high-performance blue phosphorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , 2020 , 181, 108534	4.6	1
166	Chapter 13:Computational Discovery of Organic LED Materials. 2018 , 423-446		2
165	The effect of benzene ring substituent at different position of main ligand on electronic structure and photophysical properties of a series of iridium(III) complexes. <i>Molecular Crystals and Liquid Crystals</i> , 2020 , 709, 70-80	0.5	0
164	Exploring the behavior of electron-hole pairs in working organic light emitting diodes. 2018 , 2,		5
163	Vibrational mode contribution to the dielectric permittivity of disordered small-molecule organic semiconductors. 2020 , 4,		4
162	Metal Chelate Systems. 2004 , 301-358		1
161	High-refractive-index capping layer improves top-light-emitting device performance. 2020 , 59, 4114-4121		2

160	Research Trends in Organic Light Emitting Diode. 2015 , 26, 381-388		2
159	Recent advancements and perspectives on light management and high performance in perovskite light-emitting diodes. 2021 , 10, 2103-2143		11
158	Reduction of the Optical Loss in the Multi-Cathode Structure Organic Light Emitting Device Using a Long Range Surface Plasmon. 2016 , 06, 226-232		2
157	Highly Efficient Phosphorescent White Organic Light-Emitting Devices with a Poly(N-vinylcarbazole) Host Layer. 2011 , 12, 80-83		1
156	Electrical and Optical Properties of Phosphorescent Organic Light-Emitting Devices with a TAPC Host. 2011 , 12, 84-87		6
155	Structure and DFT Calculation of fac-Tris(3-methyl-2-phenylpyridine)Ir(III) Complex. 2003 , 24, 1521-1524		14
154	Synthesis of 5,6-Dihydro[1,10]phenanthroline Derivatives and Their Properties as Hole-Blocking Layer Materials for Phosphorescent Organic Light-Emitting Diodes. 2005 , 26, 1569-1574		6
153	Synthesis and Structural Characterization of Main Group 15 Organometallics R ₃ M and R(Ph) ₂ P(=N-Ar)(M = P, Sb, Bi; R = phenanthrenyl; Ar = 2,6-iPr ₂ -C ₆ H ₃). 2005 , 26, 1946-1952		3
152	Novel Cationic 2-Phenylpyridine-based Iridium(III) Complexes Bearing an Ancillary Phosphine Ligand: Synthesis, Photophysics and Crystal Structure. 2009 , 30, 2754-2758		16
151	Orange Phosphorescent Organic Light-emitting Diodes Using a Spirobenzofluorene-type Phosphine Oxides as Host Materials. 2010 , 31, 2955-2960		12
150	Red-Orange Emissive Cyclometalated Neutral Iridium(III) Complexes and Hydridoiridium(III) Complex Based on 2-Phenylquinoxaline : Structure, Photophysics and Reactivity of Acetylacetonate Towards Cyclometalated Iridium Dimer. 2011 , 32, 4321-4326		7
149	Phosphorescence Properties of Ir(ppy) ₃ Films. 2011 , 32, 1415-1418		11
148	Salen-Aluminum Complexes as Host Materials for Red Phosphorescent Organic Light-Emitting Diodes. 2011 , 32, 3290-3294		7
147	Phosphorescence Properties of Neat FIrpic Films. 2013 , 34, 1547-1550		6
146	Enhancement of Electron Injection in Organic Light-Emitting Diodes with Photosensitive Charge Generation Layer. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 01BC11	1.4	5
145	Current-Density Dependence of Transient Properties in Green Phosphorescent Organic Light-Emitting Diodes. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 04DK05	1.4	3
144	Evaluation of Carrier Density in Organic Field-Effect Transistor by Charge Modulated Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 04DK12	1.4	2
143	The role of halogen bonding in metal free phosphors. 2021 , 23, 23351-23359		

- 142 Sensitizing phosphorescent and radical emitters via triplet energy translation from CsPbBr₃ nanocrystals. 1
- 141 Investigating exciton formation zone and its roles in phosphorescent organic light emitting diodes. 0
- 140 ?? EL ??????????????. **2003**, 15, 173-181
- 139 ?? EL ??????????????. **2003**, 15, 168-172
- 138 Organic Light-Emitting Devices Using Photonic Crystals. **2006**, 34, 767-772
- 137 Fabrication and Characterization of Blue OLED using GDI Host-Dopant Phosphors. **2006**, 16, 253-256 1
- 136 Fabrication and Characterization of Red Emitting OLEDs using the Alq₃:Rubrene-GDI4234 Phosphor System. **2006**, 19, 437-441 0
- 135 Electrical Conduction and Emission Properties of (tb-PMP)₃Tb-(Ph₃PO) Single Layer OLEDs. **2006**, 19, 878-882
- 134 Potential to Lighting of Organic Light-emitting Diodes. **2008**, 128, 569-572
- 133 Flexible Organic Light-Emitting Diodes for Automobiles. **2008**, 20, 869-873
- 132 High Efficiency and Simple Architecture Phosphorescent OLEDs. **2009**,
- 131 Green Phosphorescent OLED Without a Hole/Exciton Blocking Layer Using Intermixed Double Host and Selective Doping. **2009**, 19, 240-244 1
- 130 OLED Materials and Device Architectures for Full-Color Displays and Solid-State Lighting. **2009**, 433-509 1
- 129 Organic Light-Emitting Diodes and Photodetectors for Optical Communication. **2009**, 511-528
- 128 Solution Processable Ionic p-i-n OLEDs. **2009**, 22, 974-979
- 127 Organic semiconductors for photovoltaic and light-emitting devices: status and promise. **2010**,
- 126 Polymeric Ambipolar Hosts for Large Area Phosphorescent Light-Emitting Diodes. **2010**,
- 125 Very low color-temperature Organic Light-Emitting Diodes for lighting at night. **2011**,

124 Reactive Mesogens in Organic Light-Emitting Devices. **2011**, 319-346

123 Study on Color Shifting Mechanism for Organic Light Emitting Diode with Red Dopant-doped Emitting Layer. **2011**, 12, 4590-4599

122 Vapor Deposition Polymerization of an Oxadiazole Polymer and Its Application to Organic Light Emitting Diode. **2012**, 132, 1402-1407

121 Organic Electronic Devices Based on Molecular Technology and Printing Technology. **2012**, 132, 1392-1397

120 Rare Earth Complexes: The Search for Quasi-Monochromatic OLEDs. **2012**, 117-224

119 Introduction to Organic Light Emitting Display Devices. **2013**, 67, 800-805

118 Effects of Spacer Inserted Inside the Emission Layer on the Efficiency and Emission Characteristics of Phosphorescent Organic Light-emitting Diodes. **2014**, 27, 377-382

117 An Efficiency Improvement of the OLEDs due to the Thickness Variation on Hole-Injection Materials. **2015**, 28, 344-349

116 The effect of interlayer on the performance of double emitting layer OLEDs. **2016**,

115 OLED Optics. **2017**, 363-383

114 Ultra-fast relaxation and singlet-triplet conversion quantum yield of Ir complexes. **2018**,

o

113 Introduction. **2019**, 1-15

112 Enhancement of electroluminescent properties of organic light-emitting device by using exciton adjusting layer. **2019**,

111 Polarons, Solitons, Excitons, and Conducting Polymers. 301-401

110 Highly efficient and wide-color-gamut organic light-emitting devices based on multi-scale optical design. **2019**, 157-162

109 Photoluminescence. **2019**, 157-202

108 A novel benzo[4,5]furo[3,2-d]pyrimidine-based host as a n-type host for blue phosphorescent organic light-emitting diodes. 1

o

107 Theoretical insight on electronic structure and photophysical properties of a series of cyclometalated iridium(III) complexes bearing the substituted phenylpyrazole with different electron-donating or electron-accepting groups. **2021**, 20, 1487-1495

106	Low Molecular Weight Materials: Dry Processing. 2021 , 1-26	
105	Quantitative Correlation of Triplet Exciton Management in Host with the Device Lifetime of Blue Phosphorescent Organic Light-Emitting Diodes. 2101444	2
104	Symmetric Double Spiro Wide Energy Gap Hosts for Blue Phosphorescent OLED Devices. 2022 , 10, 2101530	1
103	Solid-State C-N Cross-Coupling Reactions with Carbazoles as Nitrogen Nucleophiles Using Mechanochemistry. 2021 ,	4
102	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. 1-29	
101	Highly Efficient Heteroleptic Cerium(III) Complexes with a Substituted Pyrazole Ancillary Ligand and Their Application in Blue Organic Light-Emitting Diodes. 2021 , 60, 18103-18111	3
100	Long-lived spin-polarized intermolecular exciplex states in thermally activated delayed fluorescence-based organic light-emitting diodes. 2021 , 7, eabj9961	1
99	Cohosts with efficient host-to-emitter energy transfer for stable blue phosphorescent organic light-emitting diodes. 2021 , 9, 17412-17418	1
98	Fine Emission Tuning from Near-Ultraviolet to Saturated Blue with Rationally Designed Carbene-Based [3 + 2 + 1] Iridium(III) Complexes.. 2022 ,	2
97	Achieving Ultimate Narrowband and Ultrapure Blue Organic Light-Emitting Diodes Based on Polycyclo-Heteraborin Multi-Resonance Delayed Fluorescence Emitters. 2021 , e2107951	18
96	Brief history of OLEDs and TADF materials for OLEDs. 2022 , 1-69	
95	Excited-state modulation via alteration of the heterocyclic moiety in 9,9-dimethylfluorene-based Ir(III) phosphorescent dopants for blue PhOLEDs.	2
94	Molecular physics of persistent room temperature phosphorescence and long-lived triplet excitons. 2022 , 9, 011304	11
93	Carbazole/triazine based host materials for high-performance green PhOLEDs. <i>Dyes and Pigments</i> , 2022 , 199, 110086	4.6 0
92	Theoretical insight on the effect of different positional N-substitution on the electronic structures and photophysical properties of five iridium(III) complexes bearing fluorine substituted 2,3?-bipyridine and bromine substituted pyridinyltetrazolate ligands. 2022 , 790, 139304	
91	Synthesis and Contemporary Applications of Platinum Group Metals Complexes with Acyclic Diaminocarbene Ligands (Review). 2022 , 67, 48-90	2
90	A carbon-functionality-appended diborylacetylene available for a component of organic synthesis and OLEDs.. 2022 ,	1
89	Strategy to Improve the Performance of Solution-Processed Phosphorescent Organic Light-Emitting Diodes Using Heteroleptic Green Ir(III) Complexes Bearing Multi-Functional Units.	

88	The overlooked NIR luminescence of Cr(pppy).. 2022 ,			4
87	Luminescent cyclometalated alkynylplatinum(II) complexes with 1,3-di(pyrimidin-2-yl)benzene ligands: synthesis, electrochemistry, photophysics and computational studies.. 2022 ,			1
86	Rational design of blocking groups for high triplet energy n-type host materials.			0
85	Optical Properties of OLED Materials by TDDFT. 2022 , 2207, 012039			
84	Optical spectrum of OLED materials by time-dependent density functional theory. 2022 , 7, 310			
83	Facile Synthesis of 1,7-Phenanthroline Derivatives and Evaluation of Their Properties as Hole-Blocking Materials in Organic Light-Emitting Diodes. 2022 , 95, 458-465			0
82	Rigidification of cyclometalating ligands for reverse saturable absorption (RSA) materials development. 2022 ,			
81	New Bipolar Host Materials for High Power Efficiency Green Thermally Activated Delayed Fluorescence OLEDs. <i>Chemical Engineering Journal</i> , 2022 , 136292	14.7		2
80	Theoretical Design of Blue-Color Phosphorescent Complexes for Organic Light-Emitting Diodes: Emission Intensities and Nonradiative Transition Rate Constants in Ir(pppy)(acac) Derivatives.. 2021 , 125, 10604-10614			
79	Hyperfluorescence—Excel the performance, create the future.			
78	Acridine Based Small Molecular Hole Transport Type Materials for Phosphorescent OLED Application.. 2021 , 26,			1
77	References. 2021 , 317-358			
76	Effects of hole transport and energy barrier on the width of the exciton formation zone in organic light-emitting diodes.			0
75	Highly Efficient and Long-Range Charge-Transfer Complex Emission Between Two Blue Phosphorescent Emitters for White Organic Light-Emitting Diodes. 2112736			1
74	Strategy to improve the performance of solution-processed phosphorescent organic light-emitting diodes using heteroleptic green Ir(III) complexes bearing multi-functional units. <i>Organic Electronics</i> , 2022 , 106, 106517	3.5		1
73	Discs to a 'Bright' Future: Exploring Discotic Liquid Crystals in Organic Light Emitting Diodes in the Era of New-Age Smart Materials.. <i>Chemical Record</i> , 2022 , e202200056	6.6		2
72	Copper(I)-Pyrazolate Complexes as Solid-State Phosphors: Deep-Blue Emission through a Remote Steric Effect.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4		2
71	Mild donor–mild acceptor (mD–mA) benzimidazole-based deep blue fluorophores with hybridized local and charge transfer (HLCT) excited states for OLEDs. <i>Journal of Information Display</i> , 1-14	4.1		0

70	Mechanism of Ir(ppy) ₃ Guest Exciton Formation with the Exciplex-Forming TCTA:TPBI Cohost within a Phosphorescent Organic Light-Emitting Diode Environment. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5940	6.3	1
69	Impact of excitonic and photonic loss mechanisms on the threshold and slope efficiency of organic semiconductor lasers. <i>Japanese Journal of Applied Physics</i> ,	1.4	
68	Applications of Metal Complexes in Organic Light-Emitting Diodes (Oleds). <i>Springer Handbooks</i> , 2022 , 1737-1775	1.3	
67	Exciton harvesting of dual-emitting room temperature organic phosphors using a thermally activated delayed fluorescence sensitizer. <i>Organic Electronics</i> , 2022 , 108, 106581	3.5	1
66	Understanding the charge dynamics in organic light-emitting diodes using convolutional neural network. <i>Materials Horizons</i> ,	14.4	0
65	Fundamentals of Flexible OLEDs. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2022 , 5-18	0.4	
64	Theoretical insight on the electronic structure and photophysical properties of three blue cyclometalated Ir(III) complexes based on the benchmark complex Irpic. <i>Molecular Crystals and Liquid Crystals</i> , 1-9	0.5	
63	73-4: Novel Materials and Structures for High Efficiency and Long Lifetime Green Phosphorescent OLEDs in Automotive Applications. <i>Digest of Technical Papers SID International Symposium</i> , 2022 , 53, 990-992	0.5	
62	45-3: Effects of Near-UV Irradiation on Organic Light-emitting Diodes and Their Solutions Using UV Blocking Layer. <i>Digest of Technical Papers SID International Symposium</i> , 2022 , 53, 569-572	0.5	
61	New bipolar host materials based on isoquinoline and phenylcarbazole for red PhOLEDs. <i>Dyes and Pigments</i> , 2022 , 205, 110559	4.6	
60	N-heterocyclic carbene platinum-butadiyne Click/iClick complexes. Towards blue-violet phosphorescence. <i>Journal of Organometallic Chemistry</i> , 2022 , 976, 122440	2.3	
59	More than 25,000h device lifetime in blue phosphorescent organic light-emitting diodes via fast triplet up-conversion of n-type hosts with sub ns triplet exciton lifetime. <i>Chemical Engineering Journal</i> , 2022 , 450, 137974	14.7	0
58	Toward a BT.2020 green emitter through a combined multiple resonance effect and multi-lock strategy. 2022 , 13,		9
57	Identification of Lithocholic Acid as a Molecular Glass Host for Room-Temperature Phosphorescent Materials.		
56	Effects of charge mobilities and exciton blocking capabilities of charge blocking layers on the performance of organic light-emitting diodes. 2022 , 74, 102287		0
55	Delayed fluorescence from inverted singlet and triplet excited states. 2022 , 609, 502-506		5
54	AR/VR light engines: perspectives and challenges.		1
53	Effects of a long-short axis skeleton on the excited-state properties of ultraviolet hot exciton molecules: luminescence mechanism and molecular design. 2022 , 24, 22309-22318		0

- 52 Effect of the dangling aromatic ring on neutral luminescent bis(phosphine) Cu(i)/Ag(i) complexes with the asymmetric pyridyl-tetrazolate ligands. **2022**, 12, 27267-27274 ○
- 51 Recent Progress in Imidazole Based Efficient near Ultraviolet/Blue Hybridized Local Charge Transfer (HLCT) Characteristics Fluorophores for Organic Light-Emitting Diodes. ○
- 50 Carbazolylgold(iii) complexes with thermally activated delayed fluorescence switched on by ligand manipulation as high efficiency organic light-emitting devices with small efficiency roll-offs. **2022**, 13, 10129-10140 2
- 49 A 2-phenylfuro[2,3-b]quinoxaline-triphenylamine-based emitter: photophysical properties and application in TADF-sensitized fluorescence OLEDs. ○
- 48 Rational Design of Mono- and Bi-Nuclear Cyclometalated Ir(III) Complexes Containing Di-Pyridylamine Motifs: Synthesis, Structure, and Luminescent Properties. **2022**, 27, 6003 ○
- 47 Impact of the Anthryl Linking Mode on the Photophysics and Excited-State Dynamics of Re(I) Complexes [ReCl(CO)₃(4-An-terpy-2N)]. **2022**, 61, 15070-15084 ○
- 46 Hydrogen-bond organized 2D metal-organic microsheets: direct ultralong phosphorescence and color-tunable optical waveguides. **2022**, 4
- 45 Cyclometalated Spirobifluorene Imidazolylidene Platinum(II) Complexes with Predominant 3LC Emissive Character and High Photoluminescence Quantum Yields. **2022**, 61, 15499-15509 ○
- 44 Theoretical study of the high intersystem spin crossing (ISC) ability of a series of iridium complexes with low efficiency roll-off properties. **2022**, 36, ○
- 43 Organic Light-Emitting Diodes (OLEDs). **2022**, 65-106 ○
- 42 Advances in Solution-processed OLEDs and their Prospects for Use in Displays. 2207454 ○
- 41 Multifunctional Luminescent Sensor Based on the Pb²⁺ Complex Containing a Tetrazolato Ligand. **2022**, 61, 16831-16840 ○
- 40 Manipulating Excited State Properties of Iridium Phenylpyridine Complexes with PushPull Substituents. ○
- 39 Excited State and Transient Chemistry of a Perylene Derivative (DBP). An Untold Story. ○
- 38 A Review on Quantum Dot Light-Emitting Diodes: From Materials to Applications. 2201965 ○
- 37 Design and Development of an Unprecedented Phosphorescent Bidentate Iridium (III) Complex Exhibiting Green Electroluminescence. **2022**, 104973 ○
- 36 Synthesis, crystal structures, photophysics and computational study of a series of luminescent Pb²⁺ compounds bearing various functionalized diimine ligands. **2023**, 230, 116220 ○
- 35 High efficiency and long device lifetime of deep-red phosphorescent organic light-emitting diodes using a new hole transport type exciton blocking material. **2023**, 113, 106725 ○

- 34 Novel Ir(III) Complexes with NHC-Based Ancillary Ligands for Efficient Nondoped OLEDs. **2022**, 61, 20299-20307
- 33 Theoretical exploration of the electronic structure and photophysical properties of five cyclometalated Ir(III) complexes bearing different substituted acetylacetonone moieties. **2022**, 116255 ○
- 32 Cationic Iridium(III) Complexes with Benzothiophene-Quinoline Ligands for Deep-Red Light-Emitting Electrochemical Cells. ○
- 31 Numerical Analysis and Optimization of a Hybrid Layer Structure for Triplet-Triplet Fusion Mechanism in Organic Light-Emitting Diodes. 2200633 ○
- 30 Donor-Acceptor Biarylcarbazoles as Efficient Host Materials for Solution-Processable High-Performance Phosphorescent Organic Light-Emitting Diodes. ○
- 29 Highly Luminescent Blue Emitter with Balanced Hybridized-Locally and Charge-Transfer Excited-States Emission. ○
- 28 Recent advances in room-temperature phosphorescent materials by manipulating intermolecular interactions. 1
- 27 Deep-Blue Triplet-Triplet Annihilation Organic Light-Emitting Diode (CIEy D.05) Using Tetraphenylimidazole and Benzonitrile Functionalized Anthracene/Chrysene Emitters. **2022**, 27, 8923 ○
- 26 Efficient, Color-Stable and Long-Lived white Organic Light-Emitting Diode Utilizing Phosphorescent Molecular-Aggregates. 2208361 ○
- 25 Discrimination and control of the exciton-recombination region of thermal-stressed blue organic light-emitting diodes. ○
- 24 Selective Triplet-Singlet Förster-Resonance Energy Transfer for Bright Red Afterglow Emission. 2211604 1
- 23 The Recent Development of Blue LED. 27, 377-384 ○
- 22 Multifacets of organometallic quinoline complexes. **2023**, 453-475 ○
- 21 Molecular Design and Synthesis of Photofunctional Materials. **2012**, 245-286 ○
- 20 Europium(II) complexes with substituted triethylenetetramine: new emitters to construct efficient deep blue organic light emitting diodes by spin coating. **2023**, 11, 4136-4142 ○
- 19 Understanding of Degradation Mechanism by Exciton Dynamics and Enhancement of Operational Lifetime by Exciton Management in Blue Fluorescent OLEDs Based on Hybridized Local and Charge-Transfer Molecule. 2202988 ○
- 18 Modulating Narrow-Band Phosphorescence of Pt₂Au₄ Cluster Complexes by Differently Positioned Bis(acetylido)-Naphthalene Linkers. **2023**, 5, 994-1001 ○
- 17 Extracting Polaron Recombination from Electroluminescence in Organic Light-Emitting Diodes by Artificial Intelligence. **2023**, 35, ○

- 16 Tetradentate Pt(II) Complex as Phosphorescent Sensitizer for Highly Efficient Green Organic Light-Emitting Diodes with Low Efficiency Roll-Off. ○
- 15 Phosphorescent organic light-emitting devices: Iridium based emitter materials [An overview. **2023**, 483, 215100 ○
- 14 A theoretical study of a series of iridium complexes with methyl or nitro-substituted 2-(4-fluorophenyl)pyridine ligands with the low-efficiency roll-off performance. **2023**, 820, 140465 ○
- 13 Thermally activated delayed fluorescent small molecule sensitized fluorescent polymers with reduced concentration-quenching for efficient electroluminescence. **2023**, 16, ○
- 12 Synthesis and Properties of B₄N₄-Heteropentalenes Fused with Polycyclic Hydrocarbons. **2023**, 29, ○
- 11 Classic Fluorophores With a Horizontal Alignment for Enhancing Light Outcoupling Efficiency (80%) and External Quantum Efficiency (7%) of Near Ultraviolet (λ_{max} < 400nm) Organic Light-Emitting Diodes. **2023**, 11, ○
- 10 Highly efficient (EQE > 27%) Yellow OLEDs using spiro[fluorene-9,9'-phenanthrene-10-one]-carbazole-based donor-acceptor-donor host materials. **2023**, 11, 3101-3111 ○
- 9 Highly Efficient Purely Organic Phosphorescence Light-Emitting Diodes Employing a Donor-Acceptor Skeleton with a Phenoxaselenine Donor. 2207003 ○
- 8 Highly thermal stable and efficient carbazole/pyridine/dibenzothiophene based bipolar host material for red phosphorescent light-emitting diodes. **2023**, 770, 139767 ○
- 7 Platinum(II) Bisocyanide Cyclometallated Complexes: Synthesis, Structure, Photophysical Properties, and Mechanochromic Behavior. **2023**, 93, 43-55 ○
- 6 Organic Binary and Ternary Cocrystal Engineering Based on Halogen Bonding Aimed at Room-Temperature Phosphorescence. ○
- 5 Photoelectronics Based on OD Materials. **2022**, 67, S1-S36 ○
- 4 Molecularly engineered host materials for high performance inkjet-printed thermally activated delayed fluorescence organic light-emitting diodes. **2023**, 11, 4342-4350 ○
- 3 Multiple resonance induced thermally activated delayed fluorescence: effect of chemical modification. **2023**, 5, 014010 ○
- 2 White Light Emission Achieved by Dual-TADF in a Single Emissive Layer of Multicomponent Emitters. **2023**, 127, 7536-7545 ○
- 1 Modification of the Bridging Unit in Luminescent Pt(II) Complexes Bearing C^N*N and C^N*N[^]C Ligands. **2023**, 5, 1243-1255 ○