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Effects of systematic methyl substitution of metal (III) tris(n-methyl-8-quinolinolato) chelates on material properties for optimum electroluminescence device perform

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#	Paper	IF	Citations
200	Diaminoanthracene Derivatives as High-Performance Green Host Electroluminescent Materials. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 3958-3963	9.6	117
199	Synthesis, structural characterization and electroluminescence study of alkylgallium derivatives of thiobenzhydrazones. <i>Journal of Organometallic Chemistry</i> , <b>2003</b> , 681, 51-58	2.3	11
198	Immiscible polymers in double spin-coated electroluminescent devices containing phenyl-substituted tris(8-hydroxyquinoline)aluminum derivatives soluble in a host polymer. <b>2003</b> , 41, 3006-3016		13
197	Structures, electronic states, and electroluminescent properties of a zinc(II) 2-(2-hydroxyphenyl)benzothiazolate complex. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 14816-24	16.4	276
196	Blue luminescent rigid molecular rods bearing N-7-azaindolyl and 2,2Sdipyridylamino and their Zn(II) and Ag(I) complexes. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 2789-97	5.1	94
195	Thermal Desorption of Tris(8-hydroxyquinoline)aluminum (III) (Alq3) on Cu(111). <i>Chemistry of Materials</i> , <b>2003</b> , 15, 4819-4822	9.6	4
194	Photocleavage of Pyridyl-Based Aromatic Polyureas. <b>2003</b> , 36, 9775-9783		6
193	Ligand Methylation and Coordination Geometry Effects on the Properties of Zinc and Lithium (8-Quinolinolato) Chelate Electroluminescent Materials. <b>2003</b> , 171-186		1
192	Synthesis and photophysical characterisation of soluble photoluminescent metal complexes with substituted 8-hydroxyquinolines. <b>2003</b> , 138, 189-192		83
191	Efficient white organic light-emitting device by utilizing a blue-emitter doped with a Red Fluorescent Dopant. <b>2003</b> , 4, 13-18		1
190	Tris-(8-hydroxyquinoline) aluminum nanoparticles prepared by vapor condensation. <b>2003</b> , 83, 347-349		38
189	Correlating Physical and Chemical Degradation in the Performance of Aluminum tris(8-Hydroxyquinoline) (Alq3)-Based OLEDs. <b>2004</b> , 41, 1425-1435		3
188	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). <i>European Journal of Inorganic Chemistry</i> , <b>2004</b> , 2004, 3415-3423	2.3	154
187	Fine-tuning the luminescent properties of metal-chelating 8-hydroxyquinolines through amido substituents in 5-position. <i>Inorganica Chimica Acta</i> , <b>2004</b> , 357, 33-40	2.7	44
186	Synthesis, characterization and luminescence study of dimethyl(Eketoiminato)gallium (-indium) complexes: crystal structure of dimethyl[1-phenyl-3-N-(4-methoxyphenylimino)-1-butanonato]gallium. <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 688, 2161-2167	2.3	18
185	Theoretical investigation of a blue hydroxyquinaldine-based aluminum(III) complex. <b>2004</b> , 321, 194-198		6
184	Zinc porphyrin with phenoxy-bridged pentacoordinate bis(8-hydroxyquinaldinate)gallium lateral pendants: synthesis and photophysical characterization. <i>Inorganic Chemistry Communication</i> , <b>2004</b> , 7, 1273-1276	3.1	8

183	Quantum chemical analysis of the chemical bonds in Mq3 (M=AlIII, GaIII) as emitting material for OLED. <i>Chemical Physics Letters</i> , <b>2004</b> , 394, 120-125	2.5	37
182	Investigations on the electronic effects of the peripheral 4Sgroup on 5-(4Ssubstituted)phenylazo-8-hydroxyquinoline ligands: zinc and aluminium complexes. <i>Dalton Transactions</i> , <b>2004</b> , 2424-31	4.3	34
181	Synthesis, crystal structure, and luminescent properties of a binuclear gallium complex with mixed ligands. <i>Inorganic Chemistry</i> , <b>2004</b> , 43, 5096-102	5.1	62
180	Formation of Stable Molecular Glasses of Yttrium(III) Acyl-DL-Alaninate Complexes. <b>2004</b> , 33, 1462-1463		11
179	Halogenation of Ru(COD)(8-quinolinolate)2 and Ru(COD)(5-formyl-8-quinolinolate)2. <i>Inorganica Chimica Acta</i> , <b>2005</b> , 358, 2718-2724	2.7	7
178	Molecular geometry, electronic structure and optical properties study of meridional tris(8-hydroxyquinolinato)gallium(III) with ab initio and DFT methods. <b>2005</b> , 755, 19-30		16
177	5-coordinated aluminum complexes having two 2,4-dimethyl-8-hydroxyquinoline ligands and a phenolic ligand as possible materials for white emission organic light-emitting devices. <b>2005</b> , 479, 282-287		23
176	Rational Color Tuning and Luminescent Properties of Functionalized Boron-Containing 2-Pyridyl Pyrrolide Complexes. <i>Advanced Functional Materials</i> , <b>2005</b> , 15, 567-574	15.6	109
175	Synthesis and photophysical characterization of the free-radical copolymerization of metaloquinolate-pendant monomers with methyl methacrylate. <b>2005</b> , 43, 397-406		36
174	Strongly luminescent binuclear aluminium chelate with polymer-like molecular packing and solution-processibility. <i>Chemical Communications</i> , <b>2005</b> , 4560-2	5.8	33
173	Low temperature growth of crystalline AlQ/sub 3/ nanowires from amorphous nanoparticles.		
172	Organic electroluminescent derivatives containing dibenzothiophene and diarylamine segments. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 3233		19
171	Organoboron compounds with an 8-hydroxyquinolato chelate and its derivatives: substituent effects on structures and luminescence. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 601-9	5.1	129
170	True blue: blue-emitting aluminum(III) quinolinolate complexes. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 9610-2	5.1	62
169	Experimental and computational evidence of the intermolecular motifs in the crystal packing of luminescent pentacoordinated gallium(III) complexes. <i>Dalton Transactions</i> , <b>2006</b> , 5124-34	4.3	12
168	Electroluminescent Poly(quinoline)s and Metalloquinolates. <b>2006</b> , 46, 47-77		57
167	Fluorinated Alq3 derivatives with tunable optical properties. <i>Chemical Communications</i> , <b>2006</b> , 1941-3	5.8	70
166	Diboron and triboron compounds based on linear and star-shaped conjugated ligands with 8-hydroxyquinolate functionality: impact of intermolecular interaction and boron coordination on luminescence. <b>2006</b> , 71, 6485-96		79

165	New Charge Transporting Host Material for Short Wavelength Organic Electrophosphorescence: 2,7-Bis(diphenylphosphine oxide)-9,9-dimethylfluorene. <i>Chemistry of Materials</i> , <b>2006</b> , 18, 2389-2396	9.6	189
164	Di- and tetranuclear metal complexes with phenoxo bridges: synthesis, structures, and photoluminescent and electroluminescent properties. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 1745-53	5.1	21
163	Growth of AlQ3nanowires directly from amorphous thin film and nanoparticles. <b>2006</b> , 17, 5506-5510		30
162	Formation of molecular glasses of (N-acylalaninato)europium(III) complexes and the luminescence properties. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 408-412, 1022-1025	5.7	8
161	Organic Electroluminescent Bis(diarylamino) Dibenzofuran Derivatives. <b>2006</b> , 53, 1317-1324		3
160	Investigating photoluminescence and electroluminescence of iridium(III)-based blue-emitting phosphors. <i>Polyhedron</i> , <b>2006</b> , 25, 1167-1176	2.7	35
159	Synthesis and characteristics of bis(2,4-dimethyl-8-quinolinolato)(triphenylsilanolato)aluminum (III): A potential hole-blocking material for the organic light-emitting diodes. <i>Journal of Organometallic Chemistry</i> , <b>2006</b> , 691, 2701-2707	2.3	8
158	Effective manipulation of the electronic effects and its influence on the emission of 5-substituted tris(8-quinolinolate) aluminum(III) complexes. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 4523-35	4.8	149
157	Synthesis, Structures, and Luminescent Properties of Aluminum Complexes with Chelating Anilido-Imine Ligands. <i>European Journal of Inorganic Chemistry</i> , <b>2006</b> , 2006, 1216-1222	2.3	26
156	Crystallization of Amorphous Tris(8-hydroxyquinoline)aluminum Nanoparticles and Transformation to Nanowires. <i>Advanced Functional Materials</i> , <b>2006</b> , 16, 819-823	15.6	56
155	Decreased phase transition temperatures of Alq3nanoparticles. <b>2006</b> , 17, 3756-3760		8
154	Characterization of molecular disorder in vapor-deposited thin films of aluminum tris(quinoline-8-olate) by one-dimensional <sup>27</sup> Al NMR under magic angle spinning. <b>2006</b> , 124, 034705		5
153	Investigation of a binuclear gallium complex with bipolar charge transporting capability for organic light-emitting diodes. <b>2006</b> , 124, 024719		7
152	Green Light-Emitting Diodes (LED) Based on Diarylethene. <b>2006</b> , 444, 157-168		5
151	A binuclear aluminum(III) complex: Thermal stability, photophysical, electrochemical and electroluminescent properties. <b>2007</b> , 157, 713-718		3
150	Synthesis and characterization of hemicage 8-hydroxyquinoline chelates with enhanced electrochemical and photophysical properties. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 5700-6	5.1	34
149	Synthesis and Electron Transport Layer Properties of Zinc Metallic Complexes Containing Quinoline Moieties in OLED. <b>2007</b> , 471, 269-277		8
148	Novel fluorene/carbazole hybrids with steric bulk as host materials for blue organic electrophosphorescent devices. <b>2007</b> , 63, 10161-10168		50

147	Theoretical investigation on the structure and electronic properties of Alq <sub>2</sub> R (R = 8-hydroxyquinoline, OH, phenolate and phenylphenolate) and its derivatives. <b>2008</b> , 867, 116-121		8
146	Tetraphenylimidazole-Based Excited-State Intramolecular Proton-Transfer Molecules for Highly Efficient Blue Electroluminescence. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 726-731	15.6	93
145	High Efficiency and Small Roll-Off Electrophosphorescence from a New Iridium Complex with Well-Matched Energy Levels. <b>2008</b> , 20, 774-778		98
144	Effects of methyl substitution of metal (II) bis(2-(2-hydroxyphenyl) benzothiazolate) chelates on optical properties. <i>Organic Electronics</i> , <b>2008</b> , 9, 267-272	3.5	10
143	2,6-Diphenylpyridine-based organic emitter for electroluminescent device. <b>2008</b> , 199, 322-329		8
142	Photoluminescence and electroluminescence properties of organotin (IV) complexes. <b>2008</b> , 321, 266-270		10
141	Ab initio study of luminescent substituted 8-hydroxyquinoline metal complexes with application in organic light emitting diodes. <b>2008</b> , 850, 127-134		23
140	Electronic structure and reactivity analysis for a set of Zn-chelates with substituted 8-hydroxyquinoline ligands and their application in OLED. <i>Organic Electronics</i> , <b>2008</b> , 9, 625-634	3.5	19
139	The blue aluminum and gallium chelates for OLEDs. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 1020-1035	2.7	23
138	Fabrication and characterization of OLED with Mg complex of 5-chloro-8-hydroxyquinoline as emission layer. <i>Materials Chemistry and Physics</i> , <b>2008</b> , 108, 179-183	4.4	9
137	The effect of fluorination on the luminescent behaviour of 8-hydroxyquinoline boron compounds. <b>2008</b> , 32, 1379		35
136	Generation of blue light-emitting zinc complexes by band-gap control of the oxazolyphenolate ligand system: syntheses, characterizations, and organic light emitting device applications of 4-coordinated bis(2-oxazolyphenolate) zinc(II) complexes. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 5666-76	5.1	80
135	Synthesis, Characterization, and Photophysical Properties of Luminescent Gallium and Indium Complexes Constructed using Tridentate 6-Azoly-2,2'-bipyridine Chelates. <b>2008</b> , 27, 80-87		23
134	Synthesis and solid state characterization of hexacoordinated 1:1 ionic gallium(III) complexes. <i>Dalton Transactions</i> , <b>2008</b> , 1186-94	4.3	5
133	Formation of molecular glasses and the aggregation in solutions for lanthanum(III), calcium(II), and yttrium(III) complexes of octanoyl-DL-alaninate. <i>Dalton Transactions</i> , <b>2008</b> , 1698-709	4.3	13
132	A "jellyfish" shaped green emitting gallium(III)-containing metallomesogen. <i>Chemical Communications</i> , <b>2008</b> , 2254-6	5.8	26
131	Synthesis and characterization of luminescent zinc(II) and cadmium(II) complexes with N,S-chelating Schiff base ligands. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 3095-104	5.1	73
130	Mixed ligands 8-hydroxyquinoline aluminum complex with high electron mobility for organic light-emitting diodes. <b>2008</b> , 92, 103305		14

129	Theoretical Description of the Geometry, Electronic Structure and Reactivity Analysis for a Set of Tris-Chelates with Application in Organic Light Emitting Diodes. <b>2008</b> , 55, 535-542		0
128	Functional properties of metallomesogens modulated by molecular and supramolecular exotic arrangements. <b>2009</b> , 5, 54		10
127	Achieving blue luminescence of Alq3 through the pull-push effect of the electron-withdrawing and electron-donating substituents. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 115, 841-845	4.4	19
126	Excitation energy transfer in organic materials: from fundamentals to optoelectronic devices. <b>2009</b> , 30, 1203-31		160
125	Energy decomposition analysis of methyl derivatives of the meridional isomer of tris(8-hydroxyquinolino)aluminum (mer-Alq3). <b>2009</b> , 358, 25-29		9
124	Crystalline Gaq(3) Nanostructures: Preparation, Thermal Property and Spectroscopy Characterization. <b>2009</b> , 4, 820-827		13
123	Fluorinated derivatives of mer-Alq3: energy decomposition analysis, optical properties, and charge transfer study. <b>2009</b> , 122, 275-281		34
122	Density functional study on electronic structures and reactivity in methyl-substituted chelates used in organic light-emitting diodes. <b>2009</b> , 110, NA-NA		
121	A novel blue-light organic electroluminescence material derived from 8-hydroxyquinoline lithium. <i>Organic Electronics</i> , <b>2009</b> , 10, 918-924	3.5	16
120	Synthesis, structure, photoluminescence and theoretical studies of an In(III) complex with 2-(2'-hydroxyphenyl)benzoxazole. <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 2033-2038	2.7	15
119	4-Aryl-8-hydroxyquinolines from 4-chloro-8-tosyloxyquinoline using a SuzukiMiyaura cross-coupling approach. <b>2009</b> , 65, 518-524		22
118	Absorption and photoluminescence properties of 4-substituted Alq3 derivatives and tris-(4-hydroxypyridinoanthrene)aluminum. <b>2009</b> , 65, 8244-8249		11
117	New Alq3 derivatives with efficient photoluminescence and electroluminescence properties for organic light-emitting diodes. <b>2009</b> , 65, 9707-9712		27
116	Synthesis and structure of N-salicylidene-o-aminophenolato gallium(III) complexes. <i>Polyhedron</i> , <b>2009</b> , 28, 3279-3283	2.7	20
115	PushPull effect on the charge transfer, and tuning of emitting color for disubstituted derivatives of mer-Alq3. <b>2009</b> , 364, 39-45		34
114	Phosphorescence color tuning by ligand, and substituent effects of multifunctional iridium(III) cyclometalates with 9-arylcarbazole moieties. <b>2009</b> , 4, 89-103		127
113	Chemistry as a prism: a review of light-emitting materials having tunable emission wavelengths. <b>2009</b> , 4, 1646-58		113
112	Hydroxynaphthridine-derived group III metal chelates: wide band gap and deep blue analogues of green Alq3 (tris(8-hydroxyquinolate)aluminum) and their versatile applications for organic light-emitting diodes. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 763-77	16.4	135

111	Aluminum(III), gallium(III), and indium(III) 4-hydroxyacridinato complexes. <b>2009</b> , 62, 3351-3365		6
110	Aggregation in methanol and formation of molecular glasses for europium(III) N-acylaminocarboxylates: effects of alkyl chain length and head group. <i>Dalton Transactions</i> , <b>2009</b> , 5512-43	4.3	10
109	X-Ray Structure of 8-Quinolinolato Lanthanide Complex: (8-Quinolinolato) bis (2,6-di- tert-butyl-4-methylphenoxo) samarium. <b>2010</b> , 20, 1612-1615		10
108	Tris(8-hydroxyquinoline-5-sulfonate)aluminum Intercalated Mg <sub>2</sub> Al Layered Double Hydroxide with Blue Luminescence by Hydrothermal Synthesis. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 2848-2856	15.6	52
107	Grafting aluminum(III) 8-hydroxyquinoline derivatives on MCM-41 mesoporous silica for tuning of the light emitting color. <b>2010</b> , 346, 384-90		18
106	Toward rational designing of n-type materials: Theoretical investigations of mer-Alq3 derivatives. <b>2010</b> , 956, 61-65		12
105	Effect of substituent groups of porphyrins on the electroluminescent properties of porphyrin-doped OLED devices. <b>2010</b> , 23, 190-194		32
104	Conversion of a green light emitting zinc-quinolate complex thin film to a stable and highly packed blue emitter film. <b>2010</b> , 160, 450-454		12
103	Synthesis, Structures, Photoluminescent Behaviors, and DFT Studies of Novel Aluminum Complexes Containing Phenoxybenzotriazole Derivatives. <b>2010</b> , 29, 347-353		16
102	Bis(8-hydroxyquinolate-5-sulfonate)zinc intercalated layered double hydroxide and its controllable luminescent properties. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 9718		32
101	Formation of mixed-ligand zinc(II) complex-montmorillonite hybrids by solid-solid reactions. <i>Dalton Transactions</i> , <b>2011</b> , 40, 5964-70	4.3	20
100	Fused Alq3 derivatives: syntheses and photophysical characteristics. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 14766		13
99	The role of CH-π interaction in the charge transfer properties in tris(8-hydroxyquinolinato)aluminium(III). <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 20704-13	3.6	14
98	Structure of Co-Doped Alq3 thin films investigated by grazing incidence X-ray absorption fine structure and Fourier transform infrared spectroscopy. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 880-3	2.8	12
97	Triarylboron-functionalized 8-hydroxyquinolines and their aluminium(III) complexes. <i>Chemical Communications</i> , <b>2011</b> , 47, 3837-9	5.8	19
96	Preparation of a series of group XIII metal-quinolate complexes in natural and synthetic smectites. <i>Applied Clay Science</i> , <b>2011</b> , 54, 287-291	5.2	9
95	Organic Light Emitting Diodes Based on Novel Zn and Al Complexes. <b>2011</b> ,		
94	Effects of thermal annealing on the optical, spectroscopic, and structural properties of tris(8-hydroxyquinolinato) gallium films grown on quartz substrates. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 129, 1152-1158	4.4	26

93	Structure and electronic properties of Alq3 derivatives with electron acceptor/donor groups at the C4 positions of the quinolate ligands: a theoretical study. <i>Journal of Molecular Modeling</i> , <b>2011</b> , 17, 3039-46	4.6	5
92	High-efficiency tris(8-hydroxyquinoline)aluminum (Alq3) complexes for organic white-light-emitting diodes and solid-state lighting. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 9076-82	4.8	75
91	Investigation of photophysical properties of mer-tris(8-hydroxyquinolinato) aluminum (III) and its derivatives: DFT and TD-DFT calculations. <i>Journal of Luminescence</i> , <b>2011</b> , 131, 169-176	3.8	9
90	Theoretical Investigation on the Structure and Optical Properties of Alq3 and its Difluorinated Derivatives. <i>Advanced Materials Research</i> , <b>2011</b> , 287-290, 1526-1531	0.5	1
89	Photoluminescences and 3D supramolecular structure with unique dimeric Zn (II) units featuring 2-substituted 8-hydroxyquinoline. <i>Inorganic Chemistry Communication</i> , <b>2012</b> , 23, 90-94	3.1	13
88	Synthesis and characterization of 8-hydroxyquinoline complexes of tin(IV) and their application in organic light emitting diode. <i>Journal of Fluorescence</i> , <b>2012</b> , 22, 1263-70	2.4	31
87	Cooperative assembly of Zn cross-linked artificial tripeptides with pendant hydroxyquinoline ligands. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 11315-23	5.1	6
86	Mixed-ligand Al complex – a new approach for more high efficient OLEDs. <i>Journal of Luminescence</i> , <b>2012</b> , 132, 495-501	3.8	1
85	Synthesis, photophysical, electrochemical and electroluminescent properties of a novel iridium(III) complex based on 2-phenylbenzo[d]oxazole derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 116, 473-7	4.4	3
84	High triplet energy Zn complexes as host materials for green and blue phosphorescent organic light-emitting diodes. <i>Dyes and Pigments</i> , <b>2013</b> , 99, 374-377	4.6	17
83	Synthesis, crystal structure, luminescent properties and photo degradation of mer-tris(8-Hydroxy-quinolinato-N, O)-indium(III) hydrate 0.5 methanol solvate. <i>Optical Materials</i> , <b>2013</b> , 35, 2366-2371	3.3	7
82	Gallium(III) complexes based on N,N'-bis(salicylidene)propane-1,3-diamine and its derivatives. <i>Polyhedron</i> , <b>2013</b> , 64, 77-83	2.7	4
81	Quantum chemical analysis of salen-aluminum complexes for organic light emitting diodes. <i>Chemical Physics Letters</i> , <b>2013</b> , 585, 143-148	2.5	6
80	Synthesis, photophysical and electroluminescent properties of novel iridium (III) complexes based on 5-methyl-2-phenylbenzo[d]oxazole derivatives. <i>Optical Materials</i> , <b>2013</b> , 36, 265-270	3.3	3
79	Al Complex as a Host Material for High Efficiency Green Phosphorescent Organic Light-Emitting Diodes. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 130916070550009	3.8	
78	Charge carrier mobility through vacuum-sublimed glassy films of s-triazine- and carbazole-based bipolar hybrid and unipolar compounds. <i>Organic Electronics</i> , <b>2013</b> , 14, 2925-2931	3.5	8
77	Anion-controlled structures and luminescent properties of three Cd(II) complexes assembled by a 2-substituted 8-hydroxyquinoline ligand. <i>CrystEngComm</i> , <b>2013</b> , 15, 7307	3.3	23
76	Electron affinity of phenanthrene and ion core structure of its anion clusters. <i>RSC Advances</i> , <b>2013</b> , 3, 17143	3.7	4



75	Ternary zinc complexes as electron transport and electroluminescent materials. <i>Journal of Organometallic Chemistry</i> , <b>2013</b> , 740, 116-122	2.3	9
74	Controllable supramolecular structures and luminescent properties of unique trimeric Zn(II) 8-hydroxyquinolinate tuned by functional substituents. <i>Dalton Transactions</i> , <b>2013</b> , 42, 2921-9	4.3	40
73	Crystal Structures and Spectroscopic and Theoretical Properties of Pentacoordinate Nickel(II) Complexes Containing Tris(pyrazolyl)borate and Quinolate Ligands. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 4280-4290	2.3	3
72	Effect of high pressure on the crystal structure and charge transport properties of the (2-fluoro-3-pyridyl)(4-iodophenyl)borinic 8-oxyquinolate complex. <i>CrystEngComm</i> , <b>2014</b> , 16, 10780-10790	2.3	8
71	Beryllium-Based, High-Triplet-Energy Material as a Host for Blue Phosphorescent Organic Light-Emitting Diodes. <i>Israel Journal of Chemistry</i> , <b>2014</b> , 54, 967-970	3.4	2
70	Synthesis, structure and photoluminescence of Zn(II) and Cd(II) complexes with pyridophenazine derivative. <i>Polyhedron</i> , <b>2014</b> , 77, 75-80	2.7	15
69	Synthesis, characterization and fluorescent properties of 5-(aryliminomethyl)quinoline-8-ol derivatives and their trinuclear zinc complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 128, 790-7	4.4	2
68	Red organic light emitting device based on TPP and a new host material. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 114, 445-451	2.6	13
67	Recent progress in metal-organic complexes for optoelectronic applications. <i>Chemical Society Reviews</i> , <b>2014</b> , 43, 3259-302	58.5	823
66	The effect of electron donating and withdrawing groups on the morphology and optical properties of Alq <sub>3</sub> . <i>Physica B: Condensed Matter</i> , <b>2014</b> , 439, 46-49	2.8	30
65	Synthesis, characterization and DFT calculation of 4-fluorophenyl substituted tris(8-hydroxyquinoline)aluminum(III) complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 118, 66-72	4.4	18
64	Charge transfer properties of two polymorphs of luminescent (2-fluoro-3-pyridyl)(2,2Sbiphenyl)borinic 8-oxyquinolate. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 22762-74	3.6	8
63	Multifunctional fluorescent material based on metallomicelles trapped in silica nanochannels. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1962-1965	7.1	8
62	The effect of cetyltrimethylammonium ion and type of smectites on the luminescence efficiency of bis(8-hydroxyquinoline)zinc(II) complex. <i>Applied Clay Science</i> , <b>2014</b> , 101, 223-228	5.2	12
61	Sonochemical synthesis and electrogenerated chemiluminescence properties of 8-hydroxyquinoline manganese (Mn <sup>2+</sup> ) nanobelts. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 590, 465-468	5.7	5
60	Synthesis, photophysical and electroluminescent properties of green organic light emitting devices based on novel iridium complexes containing benzimidazole ligands. <i>Journal of Organometallic Chemistry</i> , <b>2014</b> , 761, 74-83	2.3	24
59	High triplet energy Al complex as a host material for blue phosphorescent organic light-emitting diodes. <i>Organic Electronics</i> , <b>2014</b> , 15, 1071-1075	3.5	1
58	High efficiency blue phosphorescent organic light-emitting diodes using 2-(1H-pyrazol-1-yl)pyridin-3-ol ligand based Be compound. <i>Dyes and Pigments</i> , <b>2014</b> , 101, 25-29	4.6	10

57	Rational Design of Chelated Aluminum Complexes toward Highly Efficient and Thermally Stable Electron-Transporting Materials. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 3693-3700	9.6	24
56	Green-White electroluminescence and green photoluminescence of zinc complexes. <i>Journal of Luminescence</i> , <b>2014</b> , 154, 465-474	3.8	17
55	In situ complexation of 8-hydroxyquinoline and 4,4'-bipyridine with zinc(II) in the interlayer space of montmorillonite. <i>Applied Clay Science</i> , <b>2014</b> , 95, 310-316	5.2	14
54	Effects of the Conjugation length of bipyridyl ligand on the photophysical properties of binuclear organotin(IV) complexes: Synthesis and characterization of dimethyltin(IV) complexes with bipyridyl. <i>Inorganica Chimica Acta</i> , <b>2014</b> , 415, 52-60	2.7	8
53	Synthesis and Optical Characterization of Mixed Ligands Beryllium Complexes for Display Device Applications. <i>International Journal of Optics</i> , <b>2015</b> , 2015, 1-7	0.9	1
52	Emission properties of porphyrin compounds in new polymeric PS:CBP host. <i>Applied Physics A: Materials Science and Processing</i> , <b>2015</b> , 119, 1491-1497	2.6	10
51	Spectral and Electroluminescent Properties of Binuclear Zinc Complexes with Halogen-Substituted Derivatives of 1,2,4-Triazole. <i>Russian Physics Journal</i> , <b>2015</b> , 57, 1525-1531	0.7	1
50	Optical properties of amorphous and crystalline tris(8-hydroxyquinoline) indium films. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 683, 393-398	5.7	9
49	Synthesis and optical characterization of color-tunable heterocyclic ligand based beryllium(II) complexes for white lighting applications. <i>Materials and Design</i> , <b>2016</b> , 100, 245-253	8.1	6
48	Synthesis and characterization of 8-hydroxyquinolinolato-iridium(III) complex grafted on polyhedral oligomeric silsesquioxane core. <i>Inorganica Chimica Acta</i> , <b>2016</b> , 445, 134-139	2.7	7
47	Antiphotobleaching: A Type of Structurally Rigid Chromophore Ready for Constructing Highly Luminescent and Highly Photostable Europium Complexes. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2085-2096	15.6	56
46	Optoelectronic Properties of Color-Tunable Mixed Ligand-Based Light-Emitting Zinc Complexes. <i>Journal of Electronic Materials</i> , <b>2016</b> , 45, 4865-4874	1.9	5
45	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). <i>Open Chemistry</i> , <b>2016</b> , 14, 20-32	1.6	4
44	Substrate temperature controls molecular orientation in two-component vapor-deposited glasses. <i>Soft Matter</i> , <b>2016</b> , 12, 3265-70	3.6	33
43	Synthesis and characterization of color-tunable mixed ligand based magnesium complexes for display device applications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 6464-6473	2.1	11
42	Bis(5,7-dimethyl-8-hydroxyquinolinato)beryllium(II) complex as optoelectronic material. <i>Journal of Luminescence</i> , <b>2016</b> , 169, 9-15	3.8	9
41	Going from green to white color electroluminescence through a nanoscale complex of Zinc (II). <i>Materials Science in Semiconductor Processing</i> , <b>2017</b> , 66, 117-122	4.3	2
40	Electroluminescence of Zinc Complexes in Various OLED Structures. <i>Russian Physics Journal</i> , <b>2017</b> , 60, 7-13	0.7	5

39	Synthesis of bis-8-hydroxyquinolines via an imination or a Suzuki-Miyaura coupling approach. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 3803-3807	2	2
38	Purification and crystal growth of NPB via imidazolium based ionic liquids. <i>Journal of Crystal Growth</i> , <b>2018</b> , 487, 78-82	1.6	
37	To the homogeneity range of tris(8-hydroxyquinoline)gallium. <i>CrystEngComm</i> , <b>2018</b> , 20, 930-936	3.3	2
36	3D Printing of NinjaFlex Filament onto PEDOT:PSS-Coated Textile Fabrics for Electroluminescence Applications. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 2082-2092	1.9	28
35	Sustainable metal complexes for organic light-emitting diodes (OLEDs). <i>Coordination Chemistry Reviews</i> , <b>2018</b> , 373, 49-82	23.2	190
34	Role of Central Metal Ions in 8-Hydroxyquinoline-Doped ZnO Interfacial Layers for Improving the Performance of Polymer Solar Cells. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1801172	4.6	12
33	A Zinc(II) Benzamidinate N-Oxide Complex as an Aggregation-Induced Emission Material: toward Solution-Processable White Organic Light-Emitting Devices. <i>European Journal of Inorganic Chemistry</i> , <b>2018</b> , 2018, 4322-4330	2.3	7
32	Pyridine aided progression from amorphous to crystalline bis([5-(aryl)-1-diazenyl]quinolin-8-olato)zinc(II) compounds [Solution and solid-state structural characterization, nanoparticle formation and antibacterial activity. <i>Inorganica Chimica Acta</i> , <b>2018</b> , 469, 754-760	2.7	5
31	Homogeneous Alloy-like Organic Single Crystals Based on Nonplanar 8-Hydroxyquinoline Metallic Complexes: A Novel Pathway to Supramolecular Crystals with an Arbitrarily Adjustable Stoichiometric Ratio. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 4367-4373	6.1	1
30	Study on Relationship Between Fluorescence Properties and Structure of Substituted 8-Hydroxyquinoline Zinc Complexes. <i>Journal of Fluorescence</i> , <b>2018</b> , 28, 1121-1126	2.4	7
29	The Homogeneity Range of Crystalline Tris(8-hydroxyquinoline)gallium. <i>Doklady Chemistry</i> , <b>2018</b> , 480, 85-88	0.8	
28	EFFECT OF LOW-TEMPERATURE ANNEALING ON STRUCTURE AND OPTICAL PROPERTIES OF AMORPHOUS TRIS(8-HYDROXYQUINOLINE) ALUMINUM FILMS. <i>Surface Review and Letters</i> , <b>2019</b> , 26, 1850183	1.1	1
27	White light emitting diode based on purely organic fluorescent to modern thermally activated delayed fluorescence (TADF) and perovskite materials. <i>Nano Convergence</i> , <b>2019</b> , 6, 31	9.2	18
26	A Series of Quinolinol-Based Indium Luminophores: A Rational Design Approach for Manipulating Photophysical Properties. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 8056-8063	5.1	4
25	Photo/electroluminescence and electron transport properties of new zinc complexes. <i>Optical Materials</i> , <b>2019</b> , 89, 488-493	3.3	2
24	Synthesis, crystal structures, magnetic properties and antimicrobial screening of octahedral nickel(II) complexes with substituted quinolin-8-olates and pyridine ligands. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1200, 127106	3.4	1
23	Structural, Optical and Decay Properties of Zinc(II) 8-Hydroxyquinoline and Its Thin Film. <i>Journal of Electronic Materials</i> , <b>2020</b> , 49, 6096-6106	1.9	0
22	Theoretical and experimental studies on the fluorescence properties of aluminum(III), cadmium(II), zinc(II), and copper(II) complexes of substituted 8-hydroxyquinoline. <i>Journal of Chemical Research</i> , <b>2020</b> , 174751982097360	0.6	0

21	Multifunctional Ni(II)-Based Metamagnetic Coordination Polymers for Electronic Device Fabrication. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 8749-8761	5.1	7
20	Photoresponsive Dithienylethene-Containing Tris(8-hydroxyquinolato)aluminum(III) Complexes with Photocontrollable Electron-Transporting Properties for Solution-Processable Optical and Organic Resistive Memory Devices. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 12193-12206	16.4	21
19	Absorption and emission properties of 5-phenyl tris(8-hydroxyquinolato) M(III) complexes (M = Al, Ga, In) and correlations with molecular electrostatic potential. <i>Journal of Computational Chemistry</i> , <b>2020</b> , 41, 1497-1508	3.5	4
18	Electrical and dielectric properties of meridional and facial Alq <sub>3</sub> nanorods powders. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 2075-2087	2.1	8
17	Chiroptical switching behavior of heteroleptic ruthenium complexes bearing acetylacetonato and tropolonato ligands. <i>Dalton Transactions</i> , <b>2021</b> , 50, 14611-14617	4.3	
16	Zn(II) complexes of substituted oxyacridinate ligands. Synthesis, structure and properties. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1229, 129798	3.4	2
15	Substituted-8-Hydroxyquinolines Metal Complexes for Application in Organic Light Emitting Devices. <b>2003</b> , 107-119		3
14	Structure and DFT Calculation of fac-Tris(3-methyl-2-phenylpyridine)Ir(III) Complex. <i>Bulletin of the Korean Chemical Society</i> , <b>2003</b> , 24, 1521-1524	1.2	14
13	Synthesis and Photophysical Properties of a Series of Dimeric Indium Quinolinates. <i>Molecules</i> , <b>2020</b> , 26,	4.8	0
12	Synthesis, characterization and photoluminescent studies of zinc complexes with heterocyclic ligands comprising N, O donor atoms. <i>Optik</i> , <b>2022</b> , 251, 168303	2.5	0
11	Effect of the Nature of Substituents in the Oxyacridine Ligands on the Luminescence Properties and Cytotoxicity of the Zinc Complexes. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , <b>2021</b> , 47, 730-740	1.6	
10	A Highly Fluorescent Dinuclear Aluminium Complex with Near-Unity Quantum Yield.. <i>Angewandte Chemie - International Edition</i> , <b>2022</b> ,	16.4	2
9	A Highly Fluorescent Dinuclear Aluminium Complex with Near-Unity Quantum Yield. <i>Angewandte Chemie</i> ,	3.6	
8	Metal Inorganic/Organic Complex Glass and Fiber for Photonic Applications. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 2476-2483	9.6	3
7	Structural, spectroscopic and optical analysis of heterocyclic ligands (N, O) based Mg(II) complexes for advance photonic applications. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1262, 133052	3.4	
6	Effect of different in situ temperatures on the crystallinity and optical properties of green synthesized of 8-hydroxyquinoline zinc by saffron extract.		0
5	A review on the vitrification of metal coordination compounds and their photonic applications. <b>2022</b> , 597, 121936		2
4	Vitrification and Luminescence Properties of Metal/Organic Complexes. 2613-2621		2

- 3 Synthesis and characterization of tris(5,7-diphenyl-8-quinolinolato) aluminum(III), gallium(III), and indium(III) complexes: Effect of metal ions on the structural, photoluminescence, thermal and electrochemical properties. **2023**, 1283, 135303 ○
- 2 Fabrication of Super-Sized Metal Inorganic-Organic Hybrid Glass with Supramolecular Network via Crystallization-Suppressing Approach. **2023**, 135, ○
- 1 Fabrication of Super-Sized Metal Inorganic-Organic Hybrid Glass with Supramolecular Network via Crystallization-Suppressing Approach. **2023**, 62, ○