

# K R Justin Thomas

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8341758/k-r-justin-thomas-publications-by-year.pdf>

**Version:** 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. 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.

179  
papers

7,555  
citations

49  
h-index

80  
g-index

192  
ext. papers

7,955  
ext. citations

5  
avg, IF

5.97  
L-index

#	Paper	IF	Citations
179	Synthesis and optical properties of the isomeric phenanthroimidazole Imidazo[1,2-a]pyridine conjugates: Effects of donor and their linking topology. <i>Optical Materials</i> , <b>2022</b> , 124, 112017	3.3	1
178	Phenanthroimidazole substituted imidazo[1,2-a]pyridine derivatives for deep-blue electroluminescence with CIEy <sub>2</sub> = 0.08. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2022</b> , 423, 113600	4.7	4
177	Tuning photophysical and electroluminescent properties of phenanthroimidazole decorated carbazoles with donor and acceptor units: Beneficial role of cyano substitution. <i>Dyes and Pigments</i> , <b>2021</b> , 184, 108830	4.6	11
176	Dithienopyrrole-based dianchoring dyes: Effect of molecular design and donors on the optical and photovoltaic properties. <i>Journal of Luminescence</i> , <b>2021</b> , 230, 117727	3.8	1
175	Experimental and DFT studies of gadolinium decorated graphene oxide materials for their redox properties and as a corrosion inhibition barrier layer on Mg AZ13 alloy in a 3.5% NaCl environment.. <i>RSC Advances</i> , <b>2021</b> , 11, 22095-22105	3.7	3
174	Effect of Cyano on the Functional Properties of Phenanthroimidazole-Substituted Carbazole Derivatives. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 3876-3888	4	4
173	Imidazo[1,2-a]pyridine based deep-blue emitter: effect of donor on the optoelectronic properties. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 26838	2.1	1
172	Effect of positional isomerism on the functional properties of carbazole-phenanthroimidazole-triphenylamine triads. <i>Dyes and Pigments</i> , <b>2021</b> , 196, 109744	4.6	2
171	Synthesis and characterization of multi-substituted carbazole derivatives exhibiting aggregation-induced emission for OLED applications. <i>Organic Electronics</i> , <b>2020</b> , 86, 105864	3.5	12
170	Experimental and DFT studies of porous carbon covalently functionalized by polyaniline as a corrosion inhibition barrier on nickel-based alloys in acidic media.. <i>RSC Advances</i> , <b>2020</b> , 10, 12151-12165	3.7	5
169	Experimental and DFT studies on the ultrasonic energy-assisted extraction of the phytochemicals of as green corrosion inhibitors for mild steel in NaCl medium.. <i>RSC Advances</i> , <b>2020</b> , 10, 5399-5411	3.7	16
168	Asymmetrically 2,7-difunctionalized carbazole-based donor-acceptor hybrids for deep blue electroluminescence applications. <i>Optical Materials</i> , <b>2020</b> , 108, 110159	3.3	5
167	Fine-Tuning the Physicochemical and Electroluminescence Properties of Multiply-Substituted Bipolar Carbazoles by Functional Group Juggling. <i>ChemPhotoChem</i> , <b>2020</b> , 4, 5364-5375	3.3	1
166	Effect of auxiliary donors and position of benzothiadiazole on the optical and photovoltaic properties of dithieno[3,2-b:2',3'-d]pyrrole-based sensitizers. <i>Solar Energy</i> , <b>2020</b> , 208, 539-547	6.8	5
165	Facile Thiol-Ene Click Protocol Using Benzil as Sensitizer and White LED as Light Source. <i>European Journal of Organic Chemistry</i> , <b>2020</b> , 2020, 7214-7218	3.2	3
164	Light Promoted Synthesis of Quinoxalines and Imidazo[1,2-a]pyridines via Oxybromination from Alkynes and Alkenes. <i>Asian Journal of Organic Chemistry</i> , <b>2020</b> , 9, 1820-1825	3	8
163	P-210: Late-News Poster: Efficient Solution-Processed White Organic Light Emitting Diodes Based on a Novel Carbazole Blue Fluorescent Emitter. <i>Digest of Technical Papers SID International Symposium</i> , <b>2019</b> , 50, 1957-1960	0.5	

162	Triazine-branched mono- and dianchoring organic dyes: Effect of acceptor arms on optical and photovoltaic properties. <i>Dyes and Pigments</i> , <b>2019</b> , 165, 182-192	4.6	3
161	Effect of electron rich linkers on the functional properties of dyes featuring dithieno[3,2-b:2',3'-d]pyrrole donor. <i>Dyes and Pigments</i> , <b>2019</b> , 160, 614-623	4.6	2
160	Fine tuning the absorption and photovoltaic properties of benzothiadiazole dyes by donor-acceptor interaction alternation via methyl position. <i>Electrochimica Acta</i> , <b>2019</b> , 304, 1-10	6.7	13
159	Experimental and computational studies of a graphene oxide barrier layer covalently functionalized with amino acids on Mg AZ13 alloy in salt medium.. <i>RSC Advances</i> , <b>2019</b> , 9, 32441-32447	3.7	14
158	Experimental and DFT studies of carbon nanotubes covalently functionalized with an imidazole derivative for electrochemical stability and green corrosion inhibition as a barrier layer on the nickel alloy surface in a sulphuric acidic medium.. <i>RSC Advances</i> , <b>2019</b> , 9, 38677-38686	3.7	4
157	Polarity tuning of fluorene derivatives by chromophores to achieve efficient blue electroluminescent materials. <i>Organic Electronics</i> , <b>2019</b> , 64, 266-273	3.5	11
156	Design-to-Device Approach Affords Panchromatic Co-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1802820	21.8	31
155	Simple carbazole based deep-blue emitters: The effect of spacer, linkage and end-capping cyano group on the photophysical and electroluminescent properties. <i>Dyes and Pigments</i> , <b>2018</b> , 151, 310-320	4.6	11
154	T-Shaped Benzimidazole Derivatives as Blue-Emitting Materials: The Role of C2 Substituents on Photophysical Properties. <i>Asian Journal of Organic Chemistry</i> , <b>2018</b> , 7, 729-738	3	1
153	Highly efficient deep-blue organic light emitting diode with a carbazole based fluorescent emitter. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 04FL08	1.4	14
152	Tuning the Photophysical and Electroluminescence Properties in Asymmetrically Tetrasubstituted Bipolar Carbazoles by Functional Group Disposition. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 24013-24027	9.5	35
151	Synthesis and characterization of naphthalimide-based dyes for dye sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 16565-16580	2.1	3
150	Vinyl-Linked Cyanocarbazole-Based Emitters: Effect of Conjugation and Terminal Chromophores on the Photophysical and Electroluminescent Properties. <i>ACS Omega</i> , <b>2018</b> , 3, 16477-16488	3.9	8
149	Enabling a 6.5% External Quantum Efficiency Deep-Blue Organic Light-Emitting Diode with a Solution-Processable Carbazole-Based Emitter. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 24295-24303	3.8	18
148	Cyano-functionalized carbazole substituted pyrene derivatives for promising organic light-emitting diodes. <i>Dyes and Pigments</i> , <b>2018</b> , 158, 295-305	4.6	10
147	Tetra-substituted Dipolar Carbazoles: Tuning Optical and Electroluminescence Properties by Linkage Variation. <i>Asian Journal of Organic Chemistry</i> , <b>2018</b> , 7, 1654-1666	3	6
146	Magnetic Graphene Nanocomposites for Multifunctional Applications <b>2017</b> , 317-357		2
145	Effect of Donors on Photophysical, Electrochemical and Photovoltaic Properties of Benzimidazole-Branched Dyes. <i>ChemistrySelect</i> , <b>2017</b> , 2, 2807-2814	1.8	3

144	Multi-substituted deep-blue emitting carbazoles: a comparative study on photophysical and electroluminescence characteristics. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 709-726	7.1	43
143	A new molecular design based on hybridized local and charge transfer fluorescence for highly efficient (>6%) deep-blue organic light emitting diodes. <i>Chemical Communications</i> , <b>2017</b> , 53, 11802-11805	5.8	58
142	Fine-Tuning of Photophysical and Electroluminescence Properties of Benzothiadiazole-Based Emitters by Methyl Substitution. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 11512-11523	4.2	25
141	Star-Shaped Asymmetrically Substituted Blue Emitting Carbazoles: Synthesis, Photophysical, Electrochemical and Theoretical Investigations. <i>ChemistrySelect</i> , <b>2017</b> , 2, 7514-7524	1.8	7
140	Manipulation of Donor-Acceptor Interactions in Carbazole-Based Emitters by Chromophore Choice To Achieve Near-UV Emission. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 6660-6670	3.2	17
139	Effect of electron-deficient linkers on the physical and photovoltaic properties of dithienopyrrole-based organic dyes. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 18404-18417	2.1	17
138	Photophysics, Electrochemistry, Morphology, and Bioimaging Applications of New 1,8-Naphthalimide Derivatives Containing Different Chromophores. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 2612-2622	4.5	9
137	Bis-naphthalimides bridged by electron acceptors: optical and self-assembly characteristics. <i>RSC Advances</i> , <b>2016</b> , 6, 71638-71651	3.7	16
136	Organic dyes containing fluorenylidene functionalized phenothiazine donors as sensitizers for dye sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 12392-12404	2.1	3
135	Bi-anchoring Organic Dyes that Contain Benzimidazole Branches for Dye-Sensitized Solar Cells: Effects of Spacer and Peripheral Donor Groups. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 2564-77	4.5	29
134	Synthesis, characterization and electroluminescence of carbazole-benzimidazole hybrids with thiophene/phenyl linker. <i>Dyes and Pigments</i> , <b>2016</b> , 133, 132-142	4.6	21
133	Thienylphenothiazine integrated pyrenes: an account on the influence of substitution patterns on their optical and electroluminescence properties. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 4246-4258	7.1	27
132	Synthesis and characterization of thieno[3,4- d ]imidazole-based organic sensitizers for photoelectrochemical cells. <i>Dyes and Pigments</i> , <b>2016</b> , 129, 60-70	4.6	8
131	Benzimidazole-Branched Isomeric Dyes: Effect of Molecular Constitution on Photophysical, Electrochemical, and Photovoltaic Properties. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 640-53	4.2	49
130	Fluorene-based sensitizers with a phenothiazine donor: effect of mode of donor tethering on the performance of dye-sensitized solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 2249-62	9.5	72
129	Organic dyes containing fluoreneamine donor and carbazole linker for dye-sensitized solar cells. <i>Dyes and Pigments</i> , <b>2015</b> , 123, 154-165	4.6	29
128	Synthesis and photovoltaic properties of organic dyes containing N-fluorene-2-yl dithieno[3,2-b:2',3'-d]pyrrole and different donors. <i>Organic Electronics</i> , <b>2015</b> , 26, 109-116	3.5	20
127	Benzothiadiazole-based organic dyes with pyridine anchors for dye-sensitized solar cells: effect of donor on optical properties. <i>Tetrahedron</i> , <b>2015</b> , 71, 4203-4212	2.4	31

126	Phenothiazine decorated carbazoles: effect of substitution pattern on the optical and electroluminescent characteristics. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 5812-23	4.2	55
125	Phenothiazine-based bipolar green-emitters containing benzimidazole units: synthesis, photophysical and electroluminescence properties. <i>RSC Advances</i> , <b>2015</b> , 5, 87416-87428	3.7	25
124	Deep-blue emitting pyrene-Benzimidazole conjugates for solution processed organic light-emitting diodes. <i>RSC Advances</i> , <b>2015</b> , 5, 8727-8738	3.7	29
123	Synthesis, optical, electrochemical and photovoltaic properties of organic dyes containing trifluorenylamine donors. <i>Dyes and Pigments</i> , <b>2015</b> , 113, 78-86	4.6	18
122	Plant Growth Absorption Spectrum Mimicking Light Sources. <i>Materials</i> , <b>2015</b> , 8, 5265-5275	3.5	22
121	Effect of Auxiliary Chromophores on the Optical, Electrochemical, and Photovoltaic Properties of Carbazole-Based Dyes. <i>Asian Journal of Organic Chemistry</i> , <b>2015</b> , 4, 69-80	3	10
120	Functional tuning of organic dyes containing 2,7-carbazole and other electron-rich segments in the conjugation pathway. <i>RSC Advances</i> , <b>2015</b> , 5, 17953-17966	3.7	18
119	Highly efficient ultra-deep blue organic light-emitting diodes with a wet- and dry-process feasible cyanofluorene acetylene based emitter. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 2182-2194	7.1	56
118	Triarylamine-Free Pyrenoimidazole-Containing Organic Dyes with Different Linkers for Dye-Sensitized Solar Cells. <i>Asian Journal of Organic Chemistry</i> , <b>2015</b> , 4, 164-172	3	19
117	Organic dyes containing indolo[2,3-b]quinoxaline as a donor: synthesis, optical and photovoltaic properties. <i>Tetrahedron</i> , <b>2014</b> , 70, 6318-6327	2.4	28
116	Insights into the co-sensitizer adsorption kinetics for complementary organic dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2014</b> , 247, 906-914	8.9	50
115	Selective naked-eye cyanide detection in aqueous media using a carbazole-derived fluorescent dye. <i>RSC Advances</i> , <b>2014</b> , 4, 22902	3.7	51
114	2-Hydroxyarylimidazole-based colorimetric and ratiometric fluoride ion sensors. <i>RSC Advances</i> , <b>2014</b> , 4, 56466-56474	3.7	15
113	Organic dyes containing carbazole as donor and linker: optical, electrochemical, and photovoltaic properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 2528-39	9.5	147
112	Functional tuning of phenothiazine-based dyes by a benzimidazole auxiliary chromophore: an account of optical and photovoltaic studies. <i>RSC Advances</i> , <b>2014</b> , 4, 53588-53601	3.7	33
111	Monoanchoring (D-D-EA) and Dianchoring (D-D-(EA) <sub>2</sub> ) Organic Dyes Featuring Triarylamine Donors Composed of Fluorene and Carbazole. <i>Asian Journal of Organic Chemistry</i> , <b>2014</b> , 3, 886-898	3	8
110	Organic dyes containing fluorene decorated with imidazole units for dye-sensitized solar cells. <i>Journal of Organic Chemistry</i> , <b>2014</b> , 79, 3159-72	4.2	64
109	Organic dyes containing fluoren-9-ylidene chromophores for efficient dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5766	13	58

108	Synthesis and characterization of polybrominated fluorenes and their conversion to polyphenylated fluorenes and cyclopenta[def]triphenylene. <i>Tetrahedron Letters</i> , <b>2014</b> , 55, 1931-1935	2	6
107	Materials, Designs, Fabrications, and Applications of Organic Electronic Devices. <i>International Journal of Photoenergy</i> , <b>2014</b> , 2014, 1-2	2.1	1
106	Co-sensitization promoted light harvesting for organic dye-sensitized solar cells using unsymmetrical squaraine dye and novel pyrenoimidazole-based dye. <i>Journal of Power Sources</i> , <b>2013</b> , 240, 779-785	8.9	57
105	Synthesis and characterization of dianchoring organic dyes containing 2,7-diaminofluorene donors as efficient sensitizers for dye-sensitized solar cells. <i>Organic Electronics</i> , <b>2013</b> , 14, 3267-3276	3.5	21
104	Electroanalytical performance of Cd(II) selective sensor based on PVC membranes of 5,5'-(5,5'-(benzo[c][1,2,5]thiadiazole-4,7-diyl)bis(thiophene-5,2-diyl))bis(N1,N1,N3,N3-tetraphenylbenzene-1,3-diamine). <i>International Journal of Environmental Analytical Chemistry</i> , <b>2013</b> , 93, 813-827	8.1	21
103	Synthesis, optical properties, and blue electroluminescence of fluorene derivatives containing multiple imidazoles bearing polyaromatic hydrocarbons. <i>Tetrahedron</i> , <b>2013</b> , 69, 2594-2602	2.4	29
102	Carbazole-Based Organic Dyes for Dye-Sensitized Solar Cells: Role of Carbazole as Donor, Auxiliary Donor and Linker <b>2013</b> , 41-96		6
101	A new porphyrin bearing a pyridinylethynyl group as sensitizer for dye sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2013</b> , 253, 88-96	4.7	48
100	Synthesis and characterization of organic dyes containing 2,7-disubstituted carbazole linker. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 3985-3989	2	30
99	Pyrenoimidazole-based deep-blue-emitting materials: optical, electrochemical, and electroluminescent characteristics. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 2111-24	4.5	47
98	Fluorene based organic dyes for dye sensitised solar cells: structure-property relationships. <i>Materials Technology</i> , <b>2013</b> , 28, 71-87	2.1	36
97	N-(4,4-Dibromo-[1,1'-biphen-yl]-2-yl)benzamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2013</b> , 69, o222		1
96	Bulk heterojunction organic photovoltaic devices based on small molecules featuring pyrrole and carbazole and 2-(4-nitrophenyl)acrylonitrile acceptor segments as donor and fullerene derivatives as acceptor. <i>Dyes and Pigments</i> , <b>2012</b> , 94, 320-329	4.6	18
95	Efficient bulk heterojunction photovoltaic devices based on diketopyrrolopyrrole containing small molecule as donor and modified PCBM derivatives as electron acceptors. <i>Organic Electronics</i> , <b>2012</b> , 13, 652-666	3.5	22
94	Organic bulk heterojunction solar cells based on solution processable small molecules (AA) featuring 2-(4-nitrophenyl) acrylonitrile acceptors and phthalimide-based linkers. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 13986		21
93	Pyrene-fluorene hybrids containing acetylene linkage as color-tunable emitting materials for organic light-emitting diodes. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 3921-32	4.2	82
92	Fine tuning the performance of DSSCs by variation of the spacers in organic dyes that contain a 2,7-diaminofluorene donor. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 2942-54	4.5	18
91	The use of a polarity matching and high-energy exciton generating host in fabricating efficient purplish-blue OLEDs from a sky-blue emitter. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 15500		25

90	New Triphenylamine-Based Organic Dyes with Different Numbers of Anchoring Groups for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 5941-5950	3.8	58
89	A novel 2,7-diaminofluorene-based organic dye for a dye-sensitized solar cell. <i>Journal of Power Sources</i> , <b>2012</b> , 215, 122-129	8.9	24
88	A new family of A2B2 type porphyrin derivatives: synthesis, physicochemical characterization and their application in dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 8092		44
87	Fluorene-based organic dyes containing acetylene linkage for dye-sensitized solar cells. <i>Dyes and Pigments</i> , <b>2012</b> , 95, 523-533	4.6	29
86	Synthesis and characterization of a new perylene bisimide (PBI) derivative and its application as electron acceptor for bulk heterojunction polymer solar cells. <i>Organic Electronics</i> , <b>2012</b> , 13, 3118-3129	3.5	25
85	Dithienylthienothiadiazole-based organic dye containing two cyanoacrylic acid anchoring units for dye-sensitized solar cells. <i>RSC Advances</i> , <b>2012</b> , 2, 11457	3.7	18
84	Organic dyes containing pyrenylamine-based cascade donor systems with different aromatic $\pi$ linkers for dye-sensitized solar cells: optical, electrochemical, and device characteristics. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 738-50	4.5	42
83	4,4-Dibromo-2-nitro-biphen-yl. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o319		1
82	N-(7-Bromo-9-butyl-9H-carbazol-2-yl)-9,9-diethyl-N,N,N-triphenyl-9H-fluorene-2,7-diamine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o860-1		1
81	N-(9,9-Dipropyl-9H-fluoren-2-yl)-7-(piperidin-1-yl)-2,1,3-benzothia-diazol-4-amine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o911-2		
80	N,N-Dimethyl-4-[(E)-2-(3,6,7-tribromo-9-butyl-9H-carbazol-2-yl)ethen-yl]aniline. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1121		
79	2,3,6,7-Tetra-bromo-9-butyl-9H-carbazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o1339		
78	2,2-Bithio-phene-3,3-Dicarbonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2012</b> , 68, o2542		2
77	Pyrene-based organic dyes with thiophene containing $\pi$ linkers for dye-sensitized solar cells: optical, electrochemical and theoretical investigations. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 17210-21	3.6	49
76	Novel pyrenoimidazole-based organic dyes for dye-sensitized solar cells. <i>Organic Letters</i> , <b>2011</b> , 13, 2622-6.2		66
75	2,7-Diaminofluorene-based organic dyes for dye-sensitized solar cells: effect of auxiliary donor on optical and electrochemical properties. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 4910-20	4.2	90
74	Synthesis and optical properties of acidochromic amine-substituted benzo[a]phenazines. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 6134-45	4.2	76
73	Solution processable indoloquinoline derivatives containing bulky polyaromatic hydrocarbons: synthesis, optical spectra, and electroluminescence. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 4571-81	4.2	49

72	The synthesis and spectral characterization of red dyes containing biphenyl or fluorene conjugation and dicyanovinyl acceptors. <i>Dyes and Pigments</i> , <b>2011</b> , 88, 195-203	4.6	15
71	Electro-optical properties of new anthracene based organic dyes for dye-sensitized solar cells. <i>Dyes and Pigments</i> , <b>2011</b> , 91, 33-43	4.6	63
70	Optical properties of pyrene and anthracene containing imidazoles: Experimental and theoretical investigations. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2011</b> , 218, 162-173	4.7	52
69	Co-sensitization promoted light harvesting for plastic dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 2416-2421	8.9	56
68	Synthesis, spectra, and theoretical investigations of the triaryl amines based on 6H-indolo[2,3-b]quinoxaline. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 8100-11	4.2	50
67	Fluoranthene-based triaryl amines as hole-transporting and emitting materials for efficient electroluminescent devices. <i>New Journal of Chemistry</i> , <b>2010</b> , 34, 2739	3.6	35
66	Dipolar compounds containing fluorene and a heteroaromatic ring as the conjugating bridge for high-performance dye-sensitized solar cells. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 3184-93	4.8	123
65	Enhancing the performance of dye-sensitized solar cells based on an organic dye by incorporating TiO <sub>2</sub> nanotube in a TiO <sub>2</sub> nanoparticle film. <i>Electrochimica Acta</i> , <b>2009</b> , 54, 4123-4130	6.7	42
64	Simple Triarylamine-Based Dyes Containing Fluorene and Biphenyl Linkers for Efficient Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 8541-8547	3.8	102
63	2,3-Disubstituted Thiophene-Based Organic Dyes for Solar Cells. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 1830-1840	8.0	382
62	A novel photoelectrochromic device with dual application based on poly(3,4-alkylenedioxythiophene) thin film and an organic dye. <i>Journal of Power Sources</i> , <b>2008</b> , 185, 1505-1508	8.9	50
61	Donor-acceptor interactions in red-emitting thienylbenzene-branched dendrimers with benzothiadiazole core. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 11231-41	4.8	29
60	Synthesis, structure and electroluminescent properties of cyclometalated iridium complexes possessing sterically hindered ligands. <i>Dalton Transactions</i> , <b>2007</b> , 3025-34	4.3	32
59	Effects of co-adsorbate and additive on the performance of dye-sensitized solar cells: A photophysical study. <i>Solar Energy Materials and Solar Cells</i> , <b>2007</b> , 91, 1426-1431	6.4	68
58	Novel red and white PLED devices consisting of PVK blended with blue-emitting fluorene derivatives and carbazole dopants. <i>Synthetic Metals</i> , <b>2006</b> , 156, 1155-1160	3.6	11
57	Star-like fluorene based polyamines: non-conjugated building blocks for light-harvesting materials. <i>Tetrahedron</i> , <b>2006</b> , 62, 3517-3522	2.4	22
56	Organic dyes containing thienylfluorene conjugation for solar cells. <i>Chemical Communications</i> , <b>2005</b> , 4098-100	5.8	182
55	Dependence of the two-photon absorption cross section on the conjugation of the phenylacetylene linker in dipolar donor-bridge-acceptor chromophores. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 9767-74	2.8	31



54	Energy and electron transfer in bifunctional non-conjugated dendrimers. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 373-83	16.4	134
53	Using meta conjugation to enhance charge separation versus charge recombination in phenylacetylene donor-bridge-acceptor complexes. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 16348-9	16.4	90
52	Efficient red-emitting cyclometalated Iridium(III) complexes containing lepidine-based ligands. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 5677-85	5.1	147
51	Organic dyes incorporating low-band-gap chromophores for dye-sensitized solar cells. <i>Organic Letters</i> , <b>2005</b> , 7, 1899-902	6.2	411
50	Chromophore-Labeled Quinoxaline Derivatives as Efficient Electroluminescent Materials. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 1860-1866	9.6	237
49	Hexaphenylphenylene dendronised pyrenylamines for efficient organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 4453		91
48	Benzo[1,2,5]selenadiazole bridged amines: electro-optical properties. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 7647-7651	2	33
47	Color Tuning in Benzo[1,2,5]thiadiazole-Based Small Molecules by Amino Conjugation/Deconjugation: Bright Red-Light-Emitting Diodes. <i>Advanced Functional Materials</i> , <b>2004</b> , 14, 83-90	15.6	312
46	Cyanocarbazole Derivatives for High-Performance Electroluminescent Devices. <i>Advanced Functional Materials</i> , <b>2004</b> , 14, 387-392	15.6	87
45	Energy harvesting star-shaped molecules for electroluminescence applications. <i>Chemical Communications</i> , <b>2004</b> , 2328-9	5.8	35
44	New Carbazole Oxadiazole Dyads for Electroluminescent Devices: Influence of Acceptor Substituents on Luminescent and Thermal Properties. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 5437-5444	9.6	71
43	High-Tg Carbazole Derivatives as Blue-Emitting Hole-Transporting Materials for Electroluminescent Devices. <i>Advanced Functional Materials</i> , <b>2003</b> , 13, 445-452	15.6	113
42	Star-Shaped Thieno-[3,4-b]-Pyrazines: A New Class of Red-Emitting Electroluminescent Materials. <i>Advanced Materials</i> , <b>2002</b> , 14, 822	24	109
41	Light-Emitting Diodes Based on a Carbazole-Derivatized Dopant: Origin of Dopant Excitation as a Function of the Device Structure. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 357-361	9.6	55
40	Zinc(II) and Ruthenium(II) Complexes of Novel Fluorene Substituted Terpyridine Ligands: Synthesis, Spectroscopy and Electrochemistry. <i>Journal of the Chinese Chemical Society</i> , <b>2002</b> , 49, 833-840	1.5	12
39	EPR of an exchange-coupled, hydrogen-bridged one-dimensional Cu(II) complex containing both octahedral and square pyramidal geometries in the same unit cell. <i>Molecular Physics</i> , <b>2002</b> , 100, 287-295 <sup>1-7</sup>		7
38	New Star-Shaped Luminescent Triarylamines: Synthesis, Thermal, Photophysical, and Electroluminescent Characteristics. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 1354-1361	9.6	95
37	Green and Yellow Electroluminescent Dipolar Carbazole Derivatives: Features and Benefits of Electron-Withdrawing Segments. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 3852-3859	9.6	92

36	Electroluminescent bipolar compounds containing quinoxaline or pyridopyrazine and triarylamine segments. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 3516-3522		59
35	Quinoxalines Incorporating Triarylamine: Potential Electroluminescent Materials with Tunable Emission Characteristics. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 2796-2802	9.6	90
34	Dichloro[2,2-diphenyl-4,4,6,6-tetrakis(3,5-dimethylpyrazol-1-yl)cyclotriphosphazene]cobalt(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , <b>2001</b> , 57, m399-m401		2
33	Star-shaped polyferrocenes based on thiophene and triphenylamine: synthesis, spectroscopy and electrochemistry. <i>Journal of Organometallic Chemistry</i> , <b>2001</b> , 637-639, 139-144	2.3	26
32	EPR of Cu(II)-doped seven-coordinate inclusion compounds, M(stpy) <sub>3</sub> (NO <sub>3</sub> ) <sub>2</sub> × 1/2stpy (M = Cd(II) and Zn(II), stpy = trans-4-styrylpyridine): low symmetry effects in admixture of ground states. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2001</b> , 57, 441-9	4.4	14
31	Lattice-dictated conformers in bis(pyrazolyl)pyridine-based iron(II) complexes: Mössbauer, NMR, and magnetic studies. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 6930-9	5.1	20
30	Self-Assembly Molecular Architectures Incorporating Fluorene- and Carbazole-Based Bichromic Oligopyridines. Novel Photoactive Materials. <i>Organometallics</i> , <b>2001</b> , 20, 2262-2269	3.8	43
29	Light-emitting carbazole derivatives: potential electroluminescent materials. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 9404-11	16.4	456
28	Copper(II) azide complexes of aliphatic and aromatic amine based tridentate ligands: novel structure, spectroscopy, and magnetic properties. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 2378-89	5.1	103
27	Ruthenium and Rhenium Complexes of Fluorene-Based Bipyridine Ligands: Synthesis, Spectra, and Electrochemistry. <i>Organometallics</i> , <b>2001</b> , 20, 557-563	3.8	21
26	Novel Green Light-Emitting Carbazole Derivatives: Potential Electroluminescent Materials. <i>Advanced Materials</i> , <b>2000</b> , 12, 1949-1951	24	78
25	Synthesis, X-ray crystal structure and spectroscopy of a Werner-type host Co(II) complex, trans-bis(isothiocyanatotetrakis( trans -4-styrylpyridine)cobalt(II). <i>Journal of Molecular Structure</i> , <b>2000</b> , 523, 213-221	3.4	6
24	Synthesis, Structure and Spectroscopy of Clathrate Inclusion Compounds of Cobalt(II), Cadmium(II) and Zinc(II) trans-4-styrylpyridine nitrates as Host with trans-4-styrylpyridine as Guest (2 : 1). <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2000</b> , 38, 233-249		7
23	Crystal structure and spectroscopy of a hydrogen-bridged one-dimensional Cu(II) complex containing both octahedral and square pyramidal geometries in the same unit cell. <i>Journal of Chemical Crystallography</i> , <b>2000</b> , 30, 351-357	0.5	6
22	Biferrocenes with Heteroaromatic Spacers: Synthesis, Structure, and Electrochemistry. <i>Organometallics</i> , <b>2000</b> , 19, 1008-1012	3.8	66
21	Structural and spectral diversities in copper(II) complexes of 2,6-bis(3,5-dimethylpyrazol-1-ylmethyl)pyridine. <i>Dalton Transactions RSC</i> , <b>2000</b> , 2779-2785		24
20	Synthesis, spectroscopy and structure of new push-pull ferrocene complexes containing heteroaromatic rings (thiophene and furan) in the conjugation chain. <i>Journal of Organometallic Chemistry</i> , <b>1999</b> , 575, 301-309	2.3	66
19	X-ray crystal structure and spectroscopy of a pseudo-square pyramidal Cu(II) complex, trans-dinitratotetrakis (trans-4-styrylpyridine)copper(II). <i>Journal of Chemical Crystallography</i> , <b>1999</b> , 29, 413-420	0.5	14

18	Ferrocene End-Capped Palladium(II) and Platinum(II) Complexes with Thiophene Spacers. <i>Organometallics</i> , <b>1999</b> , 18, 5285-5291	3.8	41
17	A Novel Cyclotriphosphazene Complex with a Short Transannular P...P Contact. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1998</b> , 54, 331-333		2
16	A Polymorph of Bis(2-pyridylmethyl)amine Iron(III) Chloride. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1998</b> , 54, 741-743		13
15	Cis-facial coordination of bis(pyrid-2-ylmethyl)amine (bpma). Synthesis, structure and spectral behaviour of [Ni(bpma) <sub>2</sub> ] <sup>2+</sup> . <i>Polyhedron</i> , <b>1998</b> , 17, 2179-2186	2.7	34
14	New Methods of Resolution and Enrichment of Enantiomeric Excesses of 1,1'-Bi-2-naphthol. <i>Journal of Organic Chemistry</i> , <b>1997</b> , 62, 4302-4306	4.2	50
13	Platinum(II) and palladium(II) complexes of tetrakis(pyrazolyl)cyclotriphosphazenes. <i>Polyhedron</i> , <b>1997</b> , 16, 1003-1011	2.7	15
12	Five-coordinate copper(II) complexes of GEM-N3P3Ph2(dmpz) <sub>4</sub> . <i>Polyhedron</i> , <b>1995</b> , 14, 977-982	2.7	17
11	Copper(II) and cobalt(II) complexes of 2,2-diphenyl-4,4,6,6-tetrakis(1-pyrazolyl)cyclotriphosphazene, N3P3Ph2Pz <sub>4</sub> . X-ray crystal structure of N3P3Ph2Pz <sub>4</sub> [CoCl <sub>2</sub> D <sub>5</sub> CH <sub>2</sub> Cl <sub>2</sub> ]. <i>Polyhedron</i> , <b>1995</b> , 14, 1607-1613	2.7	13
10	HETEROBIMETALLIC (PD,PT,CU) COMPLEXES OF HEXAPYRAZOLYL CYCLOTRIPHOSPHAZENE VIA SIMULTANEOUS GEMINAL (N <sub>2</sub> ) AND NONGEMINAL (N <sub>3</sub> ) COORDINATION MODES. <i>Journal of Coordination Chemistry</i> , <b>1995</b> , 35, 337-348	1.6	7
9	Synthesis and characterization of mononuclear nickel(II) and cobalt(II) complexes of 2,2,4,4-tetrakis(3,5-dimethylpyrazolyl)-6,6-diphenyl-2B,4B,6B-cyclotriphosphaza-1,3,5-triene L: crystal structure of [NiLCl <sub>2</sub> ]. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1994</b> , 1301-1304		17
8	Synthesis, Spectroscopy, and Electrochemistry of Ternary Copper(II) Complexes with 2,2-Diphenyl-4,4,6,6-tetrakis(3,5-dimethylpyrazolyl)cyclotriphosphazene and Nitrogenous Bases. X-ray Structures of N3P3Ph2(3,5-Me2Pz) <sub>4</sub> .cnddot.Cu(ClO <sub>4</sub> ) <sub>2</sub> .cnddot.2H <sub>2</sub> O and N3P3Ph2(3,5-Me2Pz) <sub>4</sub> .cnddot.Cu(ClO <sub>4</sub> ) <sub>2</sub> .cnddot.2ImH. <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 5382-5390	5.1	38
7	Pyrazolyl cyclophosphazenes as ligands towards transition metals. <i>Journal of Chemical Sciences</i> , <b>1994</b> , 106, 792-792	1.8	
6	Synthesis and spectroscopy of mono- and di-nuclear copper complexes of a pyrazolylcyclotriphosphazene. Crystal structure of an unusual cyclotriphosphazene-bridged dicopper complex. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1993</b> , 2589		22
5	Unusual tridentate N <sub>3</sub> capping coordination behavior of hexakis(3,5-dimethylpyrazolyl)cyclotriphosphazene, N3P3(3,5-Me2Pz) <sub>6</sub> : synthesis, spectroscopy, and electrochemistry of mono- and dinuclear copper(II) complexes and the x-ray structure of N3P3(3,5-Me2Pz) <sub>6</sub> .cnddot.CuCl <sub>2</sub> . <i>Inorganic Chemistry</i> , <b>1993</b> , 32, 606-611	5.1	54
4	Recent aspects of the structure and reactivity of cyclophosphazenes <b>1993</b> , 41-113		46
3	Coordination and organometallic chemistry of cyclophosphazenes and polyphosphazenes. <i>Applied Organometallic Chemistry</i> , <b>1993</b> , 7, 1-31	3.1	87
2	Isolation and x-ray crystal structure of (phenylselenito)triphenyltin: the first example of an organotin ester of phenylseleninic acid. <i>Inorganic Chemistry</i> , <b>1992</b> , 31, 4707-4708	5.1	17
1	Phenanthroimidazole-based bipolar carbazoles featuring cyano substituents to realize efficient deep-blue electroluminescence with an external quantum efficiency of nearly 6%. <i>Materials Advances</i> ,	3.3	4

