

K R Justin Thomas

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8341758/k-r-justin-thomas-publications-by-citations.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	Light-emitting carbazole derivatives: potential electroluminescent materials. <i>Journal of the American Chemical Society</i> , 2001 , 123, 9404-11	16.4	456
178	Organic dyes incorporating low-band-gap chromophores for dye-sensitized solar cells. <i>Organic Letters</i> , 2005 , 7, 1899-902	6.2	411
177	2,3-Disubstituted Thiophene-Based Organic Dyes for Solar Cells. <i>Chemistry of Materials</i> , 2008 , 20, 1830-1840	18.4	382
176	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> , 2004 , 14, 83-90	15.6	312
175	Chromophore-Labeled Quinoxaline Derivatives as Efficient Electroluminescent Materials. <i>Chemistry of Materials</i> , 2005 , 17, 1860-1866	9.6	237
174	Organic dyes containing thienylfluorene conjugation for solar cells. <i>Chemical Communications</i> , 2005 , 4098-100	5.8	182
173	Organic dyes containing carbazole as donor and linker: optical, electrochemical, and photovoltaic properties. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 2528-39	9.5	147
172	Efficient red-emitting cyclometalated Iridium(III) complexes containing lepidine-based ligands. <i>Inorganic Chemistry</i> , 2005 , 44, 5677-85	5.1	147
171	Energy and electron transfer in bifunctional non-conjugated dendrimers. <i>Journal of the American Chemical Society</i> , 2005 , 127, 373-83	16.4	134
170	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> , 2010 , 16, 3184-93	4.8	123
169	High-Tg Carbazole Derivatives as Blue-Emitting Hole-Transporting Materials for Electroluminescent Devices. <i>Advanced Functional Materials</i> , 2003 , 13, 445-452	15.6	113
168	Star-Shaped Thieno-[3,4-b]-Pyrazines: A New Class of Red-Emitting Electroluminescent Materials. <i>Advanced Materials</i> , 2002 , 14, 822	24	109
167	Copper(II) azide complexes of aliphatic and aromatic amine based tridentate ligands: novel structure, spectroscopy, and magnetic properties. <i>Inorganic Chemistry</i> , 2001 , 40, 2378-89	5.1	103
166	Simple Triarylamine-Based Dyes Containing Fluorene and Biphenyl Linkers for Efficient Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 8541-8547	3.8	102
165	New Star-Shaped Luminescent Triarylaminines: Synthesis, Thermal, Photophysical, and Electroluminescent Characteristics. <i>Chemistry of Materials</i> , 2002 , 14, 1354-1361	9.6	95
164	Green and Yellow Electroluminescent Dipolar Carbazole Derivatives: Features and Benefits of Electron-Withdrawing Segments. <i>Chemistry of Materials</i> , 2002 , 14, 3852-3859	9.6	92
163	Hexaphenylphenylene dendronised pyrenylamines for efficient organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2005 , 15, 4453		91

162	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> , 2011 , 76, 4910-20	4.2	90
161	Using meta conjugation to enhance charge separation versus charge recombination in phenylacetylene donor-bridge-acceptor complexes. <i>Journal of the American Chemical Society</i> , 2005 , 127, 16348-9	16.4	90
160	Quinoxalines Incorporating Triarylaminines: Potential Electroluminescent Materials with Tunable Emission Characteristics. <i>Chemistry of Materials</i> , 2002 , 14, 2796-2802	9.6	90
159	Cyanocarbazole Derivatives for High-Performance Electroluminescent Devices. <i>Advanced Functional Materials</i> , 2004 , 14, 387-392	15.6	87
158	Coordination and organometallic chemistry of cyclophosphazenes and polyphosphazenes. <i>Applied Organometallic Chemistry</i> , 1993 , 7, 1-31	3.1	87
157	Pyrene-fluorene hybrids containing acetylene linkage as color-tunable emitting materials for organic light-emitting diodes. <i>Journal of Organic Chemistry</i> , 2012 , 77, 3921-32	4.2	82
156	Novel Green Light-Emitting Carbazole Derivatives: Potential Electroluminescent Materials. <i>Advanced Materials</i> , 2000 , 12, 1949-1951	24	78
155	Synthesis and optical properties of acidochromic amine-substituted benzo[a]phenazines. <i>Journal of Organic Chemistry</i> , 2011 , 76, 6134-45	4.2	76
154	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 & Interfaces</i> , 2015 , 7, 2249-62	9.5	72
153	New Carbazole Oxadiazole Dyads for Electroluminescent Devices: Influence of Acceptor Substituents on Luminescent and Thermal Properties. <i>Chemistry of Materials</i> , 2004 , 16, 5437-5444	9.6	71
152	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> , 2007 , 91, 1426-1431	6.4	68
151	Novel pyrenoimidazole-based organic dyes for dye-sensitized solar cells. <i>Organic Letters</i> , 2011 , 13, 2622-5.2	6.2	66
150	Biferrocenes with Heteroaromatic Spacers: Synthesis, Structure, and Electrochemistry. <i>Organometallics</i> , 2000 , 19, 1008-1012	3.8	66
149	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> , 1999 , 575, 301-309	2.3	66
148	Organic dyes containing fluorene decorated with imidazole units for dye-sensitized solar cells. <i>Journal of Organic Chemistry</i> , 2014 , 79, 3159-72	4.2	64
147	Electro-optical properties of new anthracene based organic dyes for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2011 , 91, 33-43	4.6	63
146	Electroluminescent bipolar compounds containing quinoxaline or pyridopyrazine and triarylamine segments. <i>Journal of Materials Chemistry</i> , 2002 , 12, 3516-3522		59
145	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> , 2017 , 53, 11802-11805 ^{5,8}		58

144	Organic dyes containing fluoren-9-ylidene chromophores for efficient dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5766	13	58
143	New Triphenylamine-Based Organic Dyes with Different Numbers of Anchoring Groups for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 5941-5950	3.8	58
142	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> , 2013 , 240, 779-785	8.9	57
141	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> , 2015 , 3, 2182-2194	7.1	56
140	Co-sensitization promoted light harvesting for plastic dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2011 , 196, 2416-2421	8.9	56
139	Phenothiazine decorated carbazoles: effect of substitution pattern on the optical and electroluminescent characteristics. <i>Journal of Organic Chemistry</i> , 2015 , 80, 5812-23	4.2	55
138	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> , 2002 , 14, 357-361	9.6	55
137	Unusual tridentate N3 capping coordination behavior of hexakis(3,5-dimethylpyrazolyl)cyclotriphosphazene, N3P3(3,5-Me2Pz)6: synthesis, spectroscopy, and electrochemistry of mono- and dinuclear copper(II) complexes and the x-ray structure of N3P3(3,5-Me2Pz)6·nH2O·CaCl2. <i>Inorganic Chemistry</i> , 1993 , 32, 606-611	5.1	54
136	Optical properties of pyrene and anthracene containing imidazoles: Experimental and theoretical investigations. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 218, 162-173	4.7	52
135	Selective naked-eye cyanide detection in aqueous media using a carbazole-derived fluorescent dye. <i>RSC Advances</i> , 2014 , 4, 22902	3.7	51
134	Insights into the co-sensitizer adsorption kinetics for complementary organic dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2014 , 247, 906-914	8.9	50
133	Synthesis, spectra, and theoretical investigations of the triaryl amines based on 6H-indolo[2,3-b]quinoxaline. <i>Journal of Organic Chemistry</i> , 2010 , 75, 8100-11	4.2	50
132	New Methods of Resolution and Enrichment of Enantiomeric Excesses of 1,10-Bi-2-naphthol. <i>Journal of Organic Chemistry</i> , 1997 , 62, 4302-4306	4.2	50
131	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> , 2008 , 185, 1505-1508	8.9	50
130	Benzimidazole-Branched Isomeric Dyes: Effect of Molecular Constitution on Photophysical, Electrochemical, and Photovoltaic Properties. <i>Journal of Organic Chemistry</i> , 2016 , 81, 640-53	4.2	49
129	Pyrene-based organic dyes with thiophene containing linkers for dye-sensitized solar cells: optical, electrochemical and theoretical investigations. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 17210-21	3.6	49
128	Solution processable indoloquinoxaline derivatives containing bulky polyaromatic hydrocarbons: synthesis, optical spectra, and electroluminescence. <i>Journal of Organic Chemistry</i> , 2011 , 76, 4571-81	4.2	49
127	A new porphyrin bearing a pyridinylethynyl group as sensitizer for dye sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013 , 253, 88-96	4.7	48

126	Pyrenoimidazole-based deep-blue-emitting materials: optical, electrochemical, and electroluminescent characteristics. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2111-24	4.5	47
125	Recent aspects of the structure and reactivity of cyclophosphazenes 1993 , 41-113		46
124	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> , 2012 , 22, 8092		44
123	Multi-substituted deep-blue emitting carbazoles: a comparative study on photophysical and electroluminescence characteristics. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 709-726	7.1	43
122	Self-Assembly Molecular Architectures Incorporating Fluorene- and Carbazole-Based Bichromic Oligopyridines. Novel Photoactive Materials. <i>Organometallics</i> , 2001 , 20, 2262-2269	3.8	43
121	Organic dyes containing pyrenylamine-based cascade donor systems with different aromatic π linkers for dye-sensitized solar cells: optical, electrochemical, and device characteristics. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 738-50	4.5	42
120	Enhancing the performance of dye-sensitized solar cells based on an organic dye by incorporating TiO ₂ nanotube in a TiO ₂ nanoparticle film. <i>Electrochimica Acta</i> , 2009 , 54, 4123-4130	6.7	42
119	Ferrocene End-Capped Palladium(II) and Platinum(II) Complexes with Thiophene Spacers. <i>Organometallics</i> , 1999 , 18, 5285-5291	3.8	41
118	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 N ₃ P ₃ Ph ₂ (3,5-Me ₂ Pz) ₄ .cndot.Cu(ClO ₄) ₂ .cndot.2H ₂ O and N ₃ P ₃ Ph ₂ (3,5-Me ₂ Pz) ₄ .cndot.Cu(ClO ₄) ₂ .cndot.2ImH. <i>Inorganic Chemistry</i> , 1994 , 33, 5382-5390	5.1	38
117	Fluorene based organic dyes for dye sensitised solar cells: structure-property relationships. <i>Materials Technology</i> , 2013 , 28, 71-87	2.1	36
116	Tuning the Photophysical and Electroluminescence Properties in Asymmetrically Tetrasubstituted Bipolar Carbazoles by Functional Group Disposition. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 24013-24027	9.5	35
115	Fluoranthene-based triarylamine as hole-transporting and emitting materials for efficient electroluminescent devices. <i>New Journal of Chemistry</i> , 2010 , 34, 2739	3.6	35
114	Energy harvesting star-shaped molecules for electroluminescence applications. <i>Chemical Communications</i> , 2004 , 2328-9	5.8	35
113	Cis-facial coordination of bis(pyrid-2-ylmethyl)amine (bpma). Synthesis, structure and spectral behaviour of [Ni(bpma) ₂] ²⁺ . <i>Polyhedron</i> , 1998 , 17, 2179-2186	2.7	34
112	Functional tuning of phenothiazine-based dyes by a benzimidazole auxiliary chromophore: an account of optical and photovoltaic studies. <i>RSC Advances</i> , 2014 , 4, 53588-53601	3.7	33
111	Benzo[1,2,5]selenadiazole bridged amines: electro-optical properties. <i>Tetrahedron Letters</i> , 2005 , 46, 7647-7651	2	33
110	Synthesis, structure and electroluminescent properties of cyclometalated iridium complexes possessing sterically hindered ligands. <i>Dalton Transactions</i> , 2007 , 3025-34	4.3	32
109	Benzothiadiazole-based organic dyes with pyridine anchors for dye-sensitized solar cells: effect of donor on optical properties. <i>Tetrahedron</i> , 2015 , 71, 4203-4212	2.4	31

108	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> , 2005 , 109, 9767-74	2.8	31
107	Design-to-Device Approach Affords Panchromatic Co-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2019 , 9, 1802820	21.8	31
106	Synthesis and characterization of organic dyes containing 2,7-disubstituted carbazole linker. <i>Tetrahedron Letters</i> , 2013 , 54, 3985-3989	2	30
105	Organic dyes containing fluoreneamine donor and carbazole linker for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2015 , 123, 154-165	4.6	29
104	Deep-blue emitting pyrenebenzimidazole conjugates for solution processed organic light-emitting diodes. <i>RSC Advances</i> , 2015 , 5, 8727-8738	3.7	29
103	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> , 2016 , 11, 2564-77	4.5	29
102	Synthesis, optical properties, and blue electroluminescence of fluorene derivatives containing multiple imidazoles bearing polyaromatic hydrocarbons. <i>Tetrahedron</i> , 2013 , 69, 2594-2602	2.4	29
101	Fluorene-based organic dyes containing acetylene linkage for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2012 , 95, 523-533	4.6	29
100	Donor-acceptor interactions in red-emitting thienylbenzene-branched dendrimers with benzothiadiazole core. <i>Chemistry - A European Journal</i> , 2008 , 14, 11231-41	4.8	29
99	Organic dyes containing indolo[2,3-b]quinoxaline as a donor: synthesis, optical and photovoltaic properties. <i>Tetrahedron</i> , 2014 , 70, 6318-6327	2.4	28
98	Thienylphenothiazine integrated pyrenes: an account on the influence of substitution patterns on their optical and electroluminescence properties. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 4246-4258	7.1	27
97	Star-shaped polyferrocenes based on thiophene and triphenylamine: synthesis, spectroscopy and electrochemistry. <i>Journal of Organometallic Chemistry</i> , 2001 , 637-639, 139-144	2.3	26
96	Fine-Tuning of Photophysical and Electroluminescence Properties of Benzothiadiazole-Based Emitters by Methyl Substitution. <i>Journal of Organic Chemistry</i> , 2017 , 82, 11512-11523	4.2	25
95	Phenothiazine-based bipolar green-emitters containing benzimidazole units: synthesis, photophysical and electroluminescence properties. <i>RSC Advances</i> , 2015 , 5, 87416-87428	3.7	25
94	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> , 2012 , 22, 15500		25
93	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> , 2012 , 13, 3118-3129	3.5	25
92	A novel 2,7-diaminofluorene-based organic dye for a dye-sensitized solar cell. <i>Journal of Power Sources</i> , 2012 , 215, 122-129	8.9	24
91	Structural and spectral diversities in copper(II) complexes of 2,6-bis(3,5-dimethylpyrazol-1-ylmethyl)pyridine. <i>Dalton Transactions RSC</i> , 2000 , 2779-2785		24

90	Efficient bulk heterojunction photovoltaic devices based on diketopyrrolopyrrole containing small molecule as donor and modified PCBM derivatives as electron acceptors. <i>Organic Electronics</i> , 2012 , 13, 652-666	3.5	22
89	Plant Growth Absorption Spectrum Mimicking Light Sources. <i>Materials</i> , 2015 , 8, 5265-5275	3.5	22
88	Star-like fluorene based polyamines: non-conjugated building blocks for light-harvesting materials. <i>Tetrahedron</i> , 2006 , 62, 3517-3522	2.4	22
87	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> , 1993 , 2589		22
86	Synthesis, characterization and electroluminescence of carbazole-benzimidazole hybrids with thiophene/phenyl linker. <i>Dyes and Pigments</i> , 2016 , 133, 132-142	4.6	21
85	Synthesis and characterization of dianchoring organic dyes containing 2,7-diaminofluorene donors as efficient sensitizers for dye-sensitized solar cells. <i>Organic Electronics</i> , 2013 , 14, 3267-3276	3.5	21
84	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> , 2012 , 22, 13986		21
83	Ruthenium and Rhenium Complexes of Fluorene-Based Bipyridine Ligands: Synthesis, Spectra, and Electrochemistry. <i>Organometallics</i> , 2001 , 20, 557-563	3.8	21
82	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> , 2015 , 26, 109-116	3.5	20
81	Lattice-dictated conformers in bis(pyrazolyl)pyridine-based iron(II) complexes: Mössbauer, NMR, and magnetic studies. <i>Inorganic Chemistry</i> , 2001 , 40, 6930-9	5.1	20
80	Triarylamine-Free Pyrenoimidazole-Containing Organic Dyes with Different Linkers for Dye-Sensitized Solar Cells. <i>Asian Journal of Organic Chemistry</i> , 2015 , 4, 164-172	3	19
79	Synthesis, optical, electrochemical and photovoltaic properties of organic dyes containing trifluorenylamine donors. <i>Dyes and Pigments</i> , 2015 , 113, 78-86	4.6	18
78	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> , 2012 , 94, 320-329	4.6	18
77	Functional tuning of organic dyes containing 2,7-carbazole and other electron-rich segments in the conjugation pathway. <i>RSC Advances</i> , 2015 , 5, 17953-17966	3.7	18
76	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> , 2012 , 7, 2942-54	4.5	18
75	Dithienylthienothiadiazole-based organic dye containing two cyanoacrylic acid anchoring units for dye-sensitized solar cells. <i>RSC Advances</i> , 2012 , 2, 11457	3.7	18
74	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> , 2018 , 122, 24295-24303	3.8	18
73	Manipulation of Donor-Acceptor Interactions in Carbazole-Based Emitters by Chromophore Choice To Achieve Near-UV Emission. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 6660-6670	3.2	17

72	Five-coordinate copper(II) complexes of GEM-N3P3Ph2(dmpz)4. <i>Polyhedron</i> , 1995 , 14, 977-982	2.7	17
71	Synthesis and characterization of mononuclear nickel(II) and cobalt(II) complexes of 2,2,4,4-tetrakis(3,5-dimethylpyrazolyl)-6,6-diphenyl-2 β ,4 β ,6 β -cyclotriposphaza-1,3,5-triene L: crystal structure of [NiLCl ₂]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994 , 1301-1304		17
70	Isolation and x-ray crystal structure of (phenylselenito)triphenyltin: the first example of an organotin ester of phenylseleninic acid. <i>Inorganic Chemistry</i> , 1992 , 31, 4707-4708	5.1	17
69	Bis-naphthalimides bridged by electron acceptors: optical and self-assembly characteristics. <i>RSC Advances</i> , 2016 , 6, 71638-71651	3.7	16
68	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> , 2020 , 10, 5399-5411	3.7	16
67	2-Hydroxyarylimidazole-based colorimetric and ratiometric fluoride ion sensors. <i>RSC Advances</i> , 2014 , 4, 56466-56474	3.7	15
66	The synthesis and spectral characterization of red dyes containing biphenyl or fluorene conjugation and dicyanovinyl acceptors. <i>Dyes and Pigments</i> , 2011 , 88, 195-203	4.6	15
65	Platinum(II) and palladium(II) complexes of tetrakis(pyrazolyl)cyclotriposphazenes. <i>Polyhedron</i> , 1997 , 16, 1003-1011	2.7	15
64	Highly efficient deep-blue organic light emitting diode with a carbazole based fluorescent emitter. <i>Japanese Journal of Applied Physics</i> , 2018 , 57, 04FL08	1.4	14
63	EPR of Cu(II)-doped seven-coordinate inclusion compounds, M(stpy) ₃ (NO ₃) ₂ × 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> , 2001 , 57, 441-9	4.4	14
62	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> , 1999 , 29, 413-420	0.5	14
61	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> , 2019 , 9, 32441-32447	3.7	14
60	A Polymorph of Bis(2-pyridylmethyl)amine Iron(III) Chloride. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1998 , 54, 741-743		13
59	Copper(II) and cobalt(II) complexes of 2,2-diphenyl-4,4,6,6-tetrakis(1-pyrazolyl) cyclotriposphazene, N3P3Ph2Pz4. X-ray crystal structure of N3P3Ph2Pz4[CoCl ₂ D ₅ CH ₂ Cl ₂]. <i>Polyhedron</i> , 1995 , 14, 1607-1613	2.7	13
58	Fine tuning the absorption and photovoltaic properties of benzothiadiazole dyes by donor-acceptor interaction alternation via methyl position. <i>Electrochimica Acta</i> , 2019 , 304, 1-10	6.7	13
57	Synthesis and characterization of multi-substituted carbazole derivatives exhibiting aggregation-induced emission for OLED applications. <i>Organic Electronics</i> , 2020 , 86, 105864	3.5	12
56	Zinc(II) and Ruthenium(II) Complexes of Novel Fluorene Substituted Terpyridine Ligands: Synthesis, Spectroscopy and Electrochemistry. <i>Journal of the Chinese Chemical Society</i> , 2002 , 49, 833-840	1.5	12
55	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> , 2018 , 151, 310-320	4.6	11

54	Novel red and white PLED devices consisting of PVK blended with blue-emitting fluorene derivatives and carbazole dopants. <i>Synthetic Metals</i> , 2006 , 156, 1155-1160	3.6	11
53	Polarity tuning of fluorene derivatives by chromophores to achieve efficient blue electroluminescent materials. <i>Organic Electronics</i> , 2019 , 64, 266-273	3.5	11
52	Tuning photophysical and electroluminescent properties of phenanthroimidazole decorated carbazoles with donor and acceptor units: Beneficial role of cyano substitution. <i>Dyes and Pigments</i> , 2021 , 184, 108830	4.6	11
51	Effect of Auxiliary Chromophores on the Optical, Electrochemical, and Photovoltaic Properties of Carbazole-Based Dyes. <i>Asian Journal of Organic Chemistry</i> , 2015 , 4, 69-80	3	10
50	Cyano-functionalized carbazole substituted pyrene derivatives for promising organic light-emitting diodes. <i>Dyes and Pigments</i> , 2018 , 158, 295-305	4.6	10
49	Photophysics, Electrochemistry, Morphology, and Bioimaging Applications of New 1,8-Naphthalimide Derivatives Containing Different Chromophores. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 2612-2622	4.5	9
48	Synthesis and characterization of thieno[3,4- d]imidazole-based organic sensitizers for photoelectrochemical cells. <i>Dyes and Pigments</i> , 2016 , 129, 60-70	4.6	8
47	Monoanchoring (D-D-EA) and Dianchoring (D-D-(EA) ₂) Organic Dyes Featuring Triarylamine Donors Composed of Fluorene and Carbazole. <i>Asian Journal of Organic Chemistry</i> , 2014 , 3, 886-898	3	8
46	Light Promoted Synthesis of Quinoxalines and Imidazo[1,2-a]pyridines via Oxybromination from Alkynes and Alkenes. <i>Asian Journal of Organic Chemistry</i> , 2020 , 9, 1820-1825	3	8
45	Vinyl-Linked Cyanocarbazole-Based Emitters: Effect of Conjugation and Terminal Chromophores on the Photophysical and Electroluminescent Properties. <i>ACS Omega</i> , 2018 , 3, 16477-16488	3.9	8
44	Star-Shaped Asymmetrically Substituted Blue Emitting Carbazoles: Synthesis, Photophysical, Electrochemical and Theoretical Investigations. <i>ChemistrySelect</i> , 2017 , 2, 7514-7524	1.8	7
43	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> , 2002 , 100, 287-295 ¹⁻⁷		7
42	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> , 2000 , 38, 233-249		7
41	HETEROBIMETALLIC (PD,PT,CU) COMPLEXES OF HEXAPYRAZOLYL CYCLOTRIPHOSPHAZENE VIA SIMULTANEOUS GEMINAL (N ₂) AND NONGEMINAL (N ₃) COORDINATION MODES. <i>Journal of Coordination Chemistry</i> , 1995 , 35, 337-348	1.6	7
40	Synthesis and characterization of polybrominated fluorenes and their conversion to polyphenylated fluorenes and cyclopenta[def]triphenylene. <i>Tetrahedron Letters</i> , 2014 , 55, 1931-1935	2	6
39	Carbazole-Based Organic Dyes for Dye-Sensitized Solar Cells: Role of Carbazole as Donor, Auxiliary Donor and Linker 2013 , 41-96		6
38	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> , 2000 , 523, 213-221	3.4	6
37	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> , 2000 , 30, 351-357	0.5	6

36	Tetra-substituted Dipolar Carbazoles: Tuning Optical and Electroluminescence Properties by Linkage Variation. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 1654-1666	3	6
35	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> , 2020 , 10, 12151-12165	3-7	5
34	Asymmetrically 2,7-difunctionalized carbazole-based donor-acceptor hybrids for deep blue electroluminescence applications. <i>Optical Materials</i> , 2020 , 108, 110159	3-3	5
33	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> , 2020 , 208, 539-547	6.8	5
32	Phenanthroimidazole substituted imidazo[1,2-a]pyridine derivatives for deep-blue electroluminescence with CIEy ₁ = 0.08. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022 , 423, 113600	4-7	4
31	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> , 2019 , 9, 38677-38686	3-7	4
30	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
29	Effect of Cyano on the Functional Properties of Phenanthroimidazole-Substituted Carbazole Derivatives. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 3876-3888	4	4
28	Effect of Donors on Photophysical, Electrochemical and Photovoltaic Properties of Benzimidazole-Branched Dyes. <i>ChemistrySelect</i> , 2017 , 2, 2807-2814	1.8	3
27	Triazine-branched mono- and dianchoring organic dyes: Effect of acceptor arms on optical and photovoltaic properties. <i>Dyes and Pigments</i> , 2019 , 165, 182-192	4.6	3
26	Organic dyes containing fluorenylidene functionalized phenothiazine donors as sensitizers for dye sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 12392-12404	2.1	3
25	Synthesis and characterization of naphthalimide-based dyes for dye sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 16565-16580	2.1	3
24	Facile Thiol-Ene Click Protocol Using Benzil as Sensitizer and White LED as Light Source. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 7214-7218	3.2	3
23	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> , 2021 , 11, 22095-22105	3-7	3
22	Magnetic Graphene Nanocomposites for Multifunctional Applications 2017 , 317-357		2
21	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> , 2019 , 160, 614-623	4.6	2
20	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> , 2013 , 93, 813-827	6.8	2
19	2,2-Bithio-phenene-3,3-dicarbonitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o2542		2

18	A Novel Cyclotriphosphazene Complex with a Short Transannular P...P Contact. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1998 , 54, 331-333		2
17	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> , 2001 , 57, m399-m401		2
16	Effect of positional isomerism on the functional properties of carbazole-phenanthroimidazole-triphenylamine triads. <i>Dyes and Pigments</i> , 2021 , 196, 109744	4.6	2
15	T-Shaped Benzimidazole Derivatives as Blue-Emitting Materials: The Role of C2 Substituents on Photophysical Properties. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 729-738	3	1
14	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> , 2017 , 28, 18404-18417	2.1	1
13	Materials, Designs, Fabrications, and Applications of Organic Electronic Devices. <i>International Journal of Photoenergy</i> , 2014 , 2014, 1-2	2.1	1
12	4,4'-Dibromo-2-nitro-biphen-yl. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o319		1
11	N-(7-Bromo-9-butyl-9H-carbazol-2-yl)-9,9-diethyl-N,N-triphenyl-9H-fluorene-2,7-diamine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o860-1		1
10	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> , 2022 , 124, 112017	3.3	1
9	N-(4,4'-Dibromo-[1,1'-biphen-yl]-2-yl)benzamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013 , 69, o222		1
8	Fine-Tuning the Physicochemical and Electroluminescence Properties of Multiply-Substituted Bipolar Carbazoles by Functional Group Juggling. <i>ChemPhotoChem</i> , 2020 , 4, 5364-5375	3.3	1
7	Dithienopyrrole-based dianchoring dyes: Effect of molecular design and donors on the optical and photovoltaic properties. <i>Journal of Luminescence</i> , 2021 , 230, 117727	3.8	1
6	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> , 2021 , 32, 26838	2.1	1
5	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> , 2019 , 50, 1957-1960	0.5	
4	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> , 2012 , 68, o911-2		
3	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> , 2012 , 68, o1121		
2	2,3,6,7-Tetra-bromo-9-butyl-9H-carbazole. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o1339		
1	Pyrazolyl cyclophosphazenes as ligands towards transition metals. <i>Journal of Chemical Sciences</i> , 1994 , 106, 792-792	1.8	

