Dmytro Volyniuk

List of Publications by Citations

193 papers	3,047 citations	30 h-index	42 g-index
206 ext. papers	3,578 ext. citations	4.9 avg, IF	5.46 L-index

#	Paper	IF	Citations
193	An Ambipolar BODIPY Derivative for a White Exciplex OLED and Cholesteric Liquid Crystal Laser toward Multifunctional Devices. *ACS Applied Materials & Interfaces*, **2017**, 9, 4750-4757	9.5	91
192	Deep-Blue High-Efficiency TTA OLED Using Para- and Meta-Conjugated Cyanotriphenylbenzene and Carbazole Derivatives as Emitter and Host. *Journal of Physical Chemistry Letters*, **2017**, 8, 6199-6205	6.4	87
191	Mixing of phosphorescent and exciplex emission in efficient organic electroluminescent devices. *ACS Applied Materials & Interfaces*, **2015**, 7, 1219-25	9.5	74
190	Impact of Linking Topology on the Properties of Carbazole Trimers and Dimers. *Journal of Physical Chemistry C*, **2011**, 115, 4887-4897	3.8	68
189	Efficient warm-white OLEDs Based on the Phosphorescent bis-Cyclometalated iridium(III) Complex. *Journal of Physical Chemistry C*, **2014**, 118, 11271-11278	3.8	66
188	A single emitting layer white OLED based on exciplex interface emission. *Journal of Materials Chemistry C*, **2016**, 4, 3851-3856	7.1	60
187	Contribution of TADF and exciplex emission for efficient warm-white OLEDs. *Journal of Materials Chemistry C*, **2018**, 6, 1543-1550	7.1	59
186	Highly Efficient Blue Organic Light-Emitting Diodes Based on Intermolecular Triplet–Singlet Energy Transfer. *Journal of Physical Chemistry C*, **2013**, 117, 22538-22544	3.8	58
185	Characteristics of organic light emitting diodes with copper iodide as injection layer. *Thin Solid Films* , **2010**, 518, 7016-7018	2.2	54
184	Structure–property relationships of star-shaped blue-emitting charge-transporting 1,3,5-triphenylbenzene derivatives. *Dyes and Pigments*, **2015**, 117, 122-132	4.6	50
183	Can hydrogen bonds improve the hole-mobility in amorphous organic semiconductors? Experimental and theoretical insights. *Journal of Materials Chemistry C*, **2015**, 3, 11660-11674	7.1	47
182	Sky-blue aggregation-induced emission molecules for non-doped organic light-emitting diodes. *Journal of Materials Chemistry C*, **2017**, 5, 6054-6060	7.1	45
181	Star-Shaped Carbazole Derivatives for Bilayer White Organic Light-Emitting Diodes Combining Emission from Both Excitons and Exciplexes. *Journal of Physical Chemistry C*, **2012**, 116, 20769-20778	3.8	41
180	Polymorphism of derivatives of tert-butyl substituted acridan and perfluorobiphenyl as sky-blue OLED emitters exhibiting aggregation induced thermally activated delayed fluorescence. *Journal of Materials Chemistry C*, **2018**, 6, 13179-13189	7.1	41
179	Structure-property relationship of blue solid state emissive phenanthroimidazole derivatives. *Physical Chemistry Chemical Physics*, **2017**, 19, 16737-16748	3.6	40
178	Bipolar highly solid-state luminescent phenanthroimidazole derivatives as materials for blue and white organic light emitting diodes exploiting either monomer, exciplex or electroplex emission. *Dyes and Pigments*, **2017**, 146, 425-437	4.6	40
177	Effect of Ethynyl Linkages on the Properties of the Derivatives of Triphenylamine and 1,8-Naphthalimide. *Journal of Physical Chemistry C*, **2015**, 119, 28335-28346	3.8	40

176	Highly Luminous Sky-Blue Organic Light-Emitting Diodes Based on the Bis[(1,2)(5,6)]indoloanthracene Emissive Layer. *Journal of Physical Chemistry C*, **2016**, 120, 6206-6217	3.8	40
175	OLEDs based on the emission of interface and bulk exciplexes formed by cyano-substituted carbazole derivative. *Dyes and Pigments*, **2017**, 139, 795-807	4.6	39
174	Aggregation-Enhanced Emission and Thermally Activated Delayed Fluorescence of Derivatives of 9-Phenyl-9H-Carbazole: Effects of Methoxy and tert-Butyl Substituents. *Chemistry - A European Journal*, **2018**, 24, 9581-9591	4.8	39
173	A wet- and dry-process feasible carbazole type host for highly efficient phosphorescent OLEDs. *Journal of Materials Chemistry C*, **2015**, 3, 12297-12307	7.1	37
172	BODIPY associates in organic matrices: Spectral properties, photostability and evaluation as OLED emitters. *Materials Chemistry and Physics*, **2017**, 187, 104-111	4.4	36
171	ZnO films grown by atomic layer deposition for organic electronics. *Semiconductor Science and Technology*, **2012**, 27, 074006	1.8	36
170	Aggregation, thermal annealing, and hosting effects on performances of an acridan-based TADF emitter. *Organic Electronics*, **2018**, 63, 29-40	3.5	36
169	Arylfluorenyl-substituted metoxytriphenylamines as deep blue exciplex forming bipolar semiconductors for white and blue organic light emitting diodes. *Dyes and Pigments*, **2017**, 140, 187-202	4.6	35
168	Multifunctional red phosphorescent bis-cyclometallated iridium complexes based on 2-phenyl-1,2,3-benzotriazole ligand and carbazolyl moieties. *Tetrahedron*, **2011**, 67, 1852-1861	2.4	35
167	Structure-properties relationship of the derivatives of carbazole and 1,8-naphthalimide: Effects of the substitution and the linking topology. *Dyes and Pigments*, **2015**, 114, 239-252	4.6	34
166	Solution-processable naphthalene and phenyl substituted carbazole core based hole transporting materials for efficient organic light-emitting diodes. *Journal of Materials Chemistry C*, **2017**, 5, 9854-9864	7.1	34
165	Efficient red phosphorescent OLEDs employing carbazole-based materials as the emitting host. *Dyes and Pigments*, **2015**, 122, 257-263	4.6	33
164	Easy accessible blue luminescent carbazole-based materials for organic light-emitting diodes. *Dyes and Pigments*, **2017**, 137, 24-35	4.6	33
163	New derivatives of triphenylamine and naphthalimide as ambipolar organic semiconductors: Experimental and theoretical approach. *Dyes and Pigments*, **2014**, 106, 58-70	4.6	30
162	Nine-ring angular fused biscarbazoloanthracene displaying a solid state based excimer emission suitable for OLED application. *Journal of Materials Chemistry C*, **2016**, 4, 5795-5805	7.1	30
161	Can Fluorenone-Based Compounds Emit in the Blue Region? Impact of the Conjugation Length and the Ground-State Aggregation. *Chemistry of Materials*, **2017**, 29, 1695-1707	9.6	29
160	Structure-properties relationship of carbazole and fluorene hybrid trimers: experimental and theoretical approaches. *Physical Chemistry Chemical Physics*, **2014**, 16, 13932-42	3.6	29
159	Blue organic light-emitting diodes based on pyrazoline phenyl derivative. *Synthetic Metals*, **2012**, 162, 352-355	3.6	28

158	Suppression of benzophenone-induced triplet quenching for enhanced TADF performance. *Journal of Materials Chemistry C*, **2019**, 7, 11522-11531	7.1	27
157	N,O □Conjugated 4-Substituted 1,3-Thiazole BF Complexes: Synthesis and Photophysical Properties. *Journal of Organic Chemistry*, **2018**, 83, 1095-1105	4.2	27
156	Influence of methoxy groups on the properties of 1,1-bis(4-aminophenyl)cyclohexane based arylamines: experimental and theoretical approach. *Journal of Materials Chemistry*, **2012**, 22, 3015		27
155	Pyrenyl substituted 1,8-naphthalimide as a new material for weak efficiency-roll-off red OLEDs: a theoretical and experimental study. *New Journal of Chemistry*, **2018**, 42, 12492-12502	3.6	26
154	Synthesis and characterisation of a carbazole-based bipolar exciplex-forming compound for efficient and color-tunable OLEDs. *New Journal of Chemistry*, **2017**, 41, 559-568	3.6	25
153	Hole-Transporting Glass-Forming 3,3?-Dicarbazyl-Based Hydrazones. *Molecular Crystals and Liquid Crystals*, **2005**, 427, 95/[407]-106/[418]	0.5	25
152	Effect of donor substituents on thermally activated delayed fluorescence of diphenylsulfone derivatives. *Journal of Luminescence*, **2019**, 206, 250-259	3.8	25
151	Exciplex-Enhanced Singlet Emission Efficiency of Nondoped Organic Light Emitting Diodes Based on Derivatives of Tetrafluorophenylcarbazole and Tri/Tetraphenylethylene Exhibiting Aggregation-Induced Emission Enhancement. *Journal of Physical Chemistry C*, **2018**, 122, 14827-14837	3.8	25
150	Photovoltaic cells based on nickel phthalocyanine and zinc oxide formed by atomic layer deposition. *Central European Journal of Physics*, **2010**, 8, 798-803		23
149	Dual Interface Exciplex Emission of Quinoline and Carbazole Derivatives for Simplified Nondoped White OLEDs. *Journal of Physical Chemistry C*, **2019**, 123, 2386-2397	3.8	23
148	1,3,5-Triazine and carbazole derivatives for OLED applications. *Dyes and Pigments*, **2018**, 149, 804-811	4.6	23
147	Twisted Intramolecular Charge Transfer States in Trinary Star-Shaped Triphenylamine-Based Compounds. *Journal of Physical Chemistry A*, **2018**, 122, 3218-3226	2.8	22
146	3,6-Di(9-carbazolyl)-9-(2-ethylhexyl)carbazole based single-layer blue organic light emitting diodes. *Synthetic Metals*, **2011**, 161, 1343-1346	3.6	22
145	The properties of tris (8-hydroxyquinoline) aluminum organic light emitting diode with undoped zinc oxide anode layer. *Journal of Applied Physics*, **2010**, 108, 064518	2.5	22
144	Optically and electrically excited intermediate electronic states in donor:acceptor based OLEDs. *Materials Horizons*, **2020**, 7, 1126-1137	14.4	22
143	New WOLEDs based on □extended azatrioxa[8]circulenes. *Journal of Materials Chemistry C*, **2017**, 5, 4123-4128	7.1	21
142	Dual nature of exciplexes: exciplex-forming properties of carbazole and fluorene hybrid trimers. *Journal of Materials Chemistry C*, **2019**, 7, 25-32	7.1	21
141	N-annelated perylenes as effective green emitters for OLEDs. *RSC Advances*, **2015**, 5, 78150-78159	3.7	21

140	Multifunctional asymmetric D-A-D compounds: Mechanochromic luminescence, thermally activated delayed fluorescence and aggregation enhanced emission. *Chemical Engineering Journal*, **2020**, 401, 125962	14.7	21
139	Strategy Toward Tuning Emission of Star-Shaped Tetraphenylethene-Substituted Truxenes for Sky-Blue and Greenish-White Organic Light-Emitting Diodes. *Journal of Physical Chemistry C*, **2018**, 122, 15614-15624	3.8	21
138	Biomimetic Approach to Inhibition of Photooxidation in Organic Solar Cells Using Beta-Carotene as an Additive. *ACS Applied Materials & Interfaces*, **2019**, 11, 41570-41579	9.5	21
137	W-shaped bipolar derivatives of carbazole and oxadiazole with high triplet energies for electroluminescent devices. *Dyes and Pigments*, **2018**, 149, 812-821	4.6	21
136	High-triplet-level phthalimide based acceptors for exciplexes with multicolor emission. *Dyes and Pigments*, **2019**, 162, 872-882	4.6	21
135	Tuning the ambipolar charge transport properties of tricyanovinyl-substituted carbazole-based materials. *Physical Chemistry Chemical Physics*, **2017**, 19, 6721-6730	3.6	19
134	Sensitivity of Redox and Optical Properties of Electroactive Carbazole Derivatives to the Molecular Architecture and Methoxy Substitutions. *Journal of Physical Chemistry C*, **2018**, 122, 10138-10152	3.8	19
133	Green and red phosphorescent organic light-emitting diodes with ambipolar hosts based on phenothiazine and carbazole moieties: photoelectrical properties, morphology and efficiency. *RSC Advances*, **2016**, 6, 61544-61554	3.7	18
132	Non-covalent complexes of polycationic fullerene C60 derivative with xanthene dyes Spectral and photochemical properties in water and in liposomes. *Dyes and Pigments*, **2017**, 139, 65-72	4.6	18
131	Diphenylamino-substituted derivatives of 9-phenylcarbazole as glass-forming hole-transporting materials for solid state dye sensitized solar cells. *Synthetic Metals*, **2012**, 162, 1997-2004	3.6	18
130	Derivatives of indandione and differently substituted triphenylamine with charge-transporting and NLO properties. *Dyes and Pigments*, **2015**, 113, 38-46	4.6	17
129	Synthesis and Performance in OLEDs of Selenium-Containing Phosphorescent Emitters with Red Emission Color Deeper Than the Corresponding NTSC Standard. *Inorganic Chemistry*, **2019**, 58, 10174-10183	5.1	17
128	Structure property relationship of isomeric diphenylethenyl-disubstituted dimethoxycarbazoles. *RSC Advances*, **2015**, 5, 49577-49589	3.7	17
127	Properties of 2,6-di-tert.-butyl-4-(2,5-diphenyl-3,4-dihydro-2H-pyrazol-3-yl)-phenol as hole-transport material for life extension of organic light emitting diodes. *Optical Materials*, **2011**, 33, 1727-1731	3.3	17
126	Interfacial and bulk properties of hole transporting materials in perovskite solar cells: spiro-MeTAD versus spiro-OMeTAD. *Journal of Materials Chemistry A*, **2020**, 8, 8527-8539	13	16
125	Characterization of urea derived polymeric carbon nitride and resultant thermally vacuum deposited amorphous thin films: Structural, chemical and photophysical properties. *Carbon*, **2016**, 107, 415-425	10.4	16
124	Effect of linking topology on the properties of star-shaped derivatives of triazine and fluorene. *Synthetic Metals*, **2014**, 195, 266-275	3.6	16
123	2-Phenyl-1,2,3-benzotriazole Ir(III) complexes with additional donor fragment for single-layer PhOLED devices. *Dyes and Pigments*, **2013**, 96, 278-286	4.6	16

122	Thianthrene and acridan-substituted benzophenone or diphenylsulfone: Effect of triplet harvesting via TADF and phosphorescence on efficiency of all-organic OLEDS. *Organic Electronics*, **2019**, 70, 227-239	3.5	15
121	Glass-Forming Hole-Transporting Triphenylamine-Based Hydrazones with Reactive Functional Groups. *Molecular Crystals and Liquid Crystals*, **2007**, 466, 85-100	0.5	15
120	Naphthyl substituted triphenylamine derivatives as hole transporting materials for efficient red PhOLEDs. *Dyes and Pigments*, **2019**, 162, 196-202	4.6	15
119	Through-space charge transfer in luminophore based on phenyl-linked carbazole- and phthalimide moieties utilized in cyan-emitting OLEDs. *Dyes and Pigments*, **2020**, 172, 107833	4.6	15
118	A rare example of a compact heteroleptic cyclometalated iridium(iii) complex demonstrating well-separated dual emission. *Dalton Transactions*, **2018**, 47, 7578-7586	4.3	14
117	Donor and acceptor substituted triphenylamines exhibiting bipolar charge-transporting and NLO properties. *Dyes and Pigments*, **2017**, 140, 431-440	4.6	13
116	Benzoselenophenylpyridine platinum complexes: green versus red phosphorescence towards hybrid OLEDs. *Dalton Transactions*, **2020**, 49, 3393-3397	4.3	13
115	Derivative of oxygafluorene and di-tert-butyl carbazole as the host with very high hole mobility for high-efficiency blue phosphorescent organic light-emitting diodes. *Dyes and Pigments*, **2016**, 130, 298-305	4.6	13
114	Covalently linked water-soluble fullerene–fluorescein dyads as highly efficient photosensitizers: Synthesis, photophysical properties and photochemical action. *Dyes and Pigments*, **2019**, 160, 457-466	4.6	13
113	Naphthyl or pyrenyl substituted 2-phenylcarbazoles as hole transporting materials for organic light-emitting diodes. *Dyes and Pigments*, **2017**, 136, 302-311	4.6	13
112	White hyperelectrofluorescence from solution-processable OLEDs based on phenothiazine substituted tetraphenylethylene derivatives. *Journal of Materials Chemistry C*, **2020**, 8, 13375-13388	7.1	13
111	Derivatives of carbazole and chloropyridine exhibiting aggregation induced emission enhancement and deep-blue delayed fluorescence. *Dyes and Pigments*, **2018**, 149, 588-596	4.6	13
110	Benzo[4,5]thiazolo[3,2- c][1,3,5,2]oxadiazaborinines: Synthesis, Structural, and Photophysical Properties. *Journal of Organic Chemistry*, **2018**, 83, 12129-12142	4.2	13
109	Methoxy- and tert-butyl-substituted meta-bis(N-carbazolyl)phenylenes as hosts for organic light-emitting diodes. *Organic Electronics*, **2019**, 73, 317-326	3.5	12
108	Dual emission fluorescence/room-temperature phosphorescence of phenothiazine and benzotrifluoride derivatives and its application for optical sensing of oxygen. *Sensors and Actuators B: Chemical*, **2020**, 321, 128533	8.5	12
107	Effect of the Nature of the Core on the Properties of the Star-Shaped Compounds Containing Bicarbazolyl Moieties. *Journal of Physical Chemistry C*, **2016**, 120, 1208-1217	3.8	12
106	Three-terminal light-emitting device with adjustable emission color. *Organic Electronics*, **2014**, 15, 1396-1400	3.5	12
105	Organic light-emitting diodes exploiting aggregation-induced exciton and exciplex emissions. *Journal of Luminescence*, **2017**, 192, 534-540	3.8	12

104	Aggregation-induced emission enhancement in charge-transporting derivatives of carbazole and tetra(tri)phenylethylene. *Dyes and Pigments*, **2017**, 140, 363-374	4.6	11
103	Carbazolyl-substituted quinazolinones as high-triplet-energy materials for phosphorescent organic light emitting diodes. *Dyes and Pigments*, **2017**, 142, 394-405	4.6	11
102	Carbazole derivatives containing one or two tetra-/triphenylethenyl units as efficient hole-transporting OLED emitters. *Dyes and Pigments*, **2019**, 168, 93-102	4.6	11
101	An approach to discovering novel exciplex supramolecular complex based on carbazole-containing 1,8-naphthalimide. *Dyes and Pigments*, **2018**, 149, 298-305	4.6	11
100	Comparative study of multi-functional luminogens with 1,3,5-triazine as the core and phenothiazine or phenoxy donors as the peripheral moieties for non-doped/doped fluorescent and red phosphorescent OLEDs. *Dyes and Pigments*, **2020**, 173, 107793	4.6	11
99	Aggregation-induced emission tetraphenylethene type derivatives for blue tandem organic light-emitting diodes. *Organic Electronics*, **2019**, 67, 279-286	3.5	10
98	A thermally cross-linkable hole-transporting small-molecule for efficient solution-processed organic light emitting diodes. *Organic Electronics*, **2019**, 73, 94-101	3.5	10
97	Application of the Suzuki-Miyaura Reaction for the Postfunctionalization of the Benzo[4,5]thiazolo[3,2- c][1,3,5,2]oxadiazaborinine Core: An Approach toward Fluorescent Dyes. *Journal of Organic Chemistry*, **2019**, 84, 5614-5626	4.2	10
96	Differently substituted benzothiadiazoles as charge-transporting emitters for fluorescent organic light-emitting diodes. *Dyes and Pigments*, **2019**, 166, 217-225	4.6	10
95	High-triplet-energy carbazole and fluorene tetrads. *Journal of Luminescence*, **2016**, 169, 256-265	3.8	10
94	High-triplet-energy derivatives of indole and carbazole as hosts for blue phosphorescent organic light-emitting diodes. *Dyes and Pigments*, **2017**, 139, 487-497	4.6	9
93	Exciplex energy transfer through spacer: White electroluminescence with enhanced stability based on cyan intermolecular and orange intramolecular thermally activated delayed fluorescence. *Journal of Advanced Research*, **2020**, 24, 379-389	13	9
92	Blue versus yellow emission in bipolar fluorenone derivatives: the impact of aggregation and hydrogen bonding. *Journal of Materials Chemistry C*, **2018**, 6, 1679-1692	7.1	9
91	Phenylvinyl-Substituted Carbazole Twin Compounds as Efficient Materials for the Charge-Transporting Layers of OLED Devices. *Journal of Electronic Materials*, **2015**, 44, 4006-4011	1.9	9
90	Diphenylsulfone-based hosts for electroluminescent devices: Effect of donor substituents. *Dyes and Pigments*, **2020**, 175, 108104	4.6	9
89	Methoxycarbazolyl-disubstituted dibenzofuranes as holes- and electrons-transporting hosts for phosphorescent and TADF-based OLEDs. *Dyes and Pigments*, **2020**, 172, 107781	4.6	9
88	Differently substituted benzonitriles for non-doped OLEDs. *Dyes and Pigments*, **2020**, 172, 107789	4.6	9
87	Symmetry versus asymmetry: Synthesis and studies of benzotriindole-derived carbazoles displaying different electrochemical and optical properties. *Dyes and Pigments*, **2016**, 125, 159-168	4.6	8

86	Thermo-Vacuum Deposition and Electrooptical Properties of Polyaniline Thin Films. *Molecular Crystals and Liquid Crystals*, **2007**, 467, 143-152	0.5	8
85	TADF versus TTA emission mechanisms in acridan and carbazole-substituted dibenzo[a,c]phenazines: Towards triplet harvesting emitters and hosts. *Chemical Engineering Journal*, **2021**, 417, 127902	14.7	8
84	Exciplex-forming systems with extremely high RISC rates exceeding 107 s□ for oxygen probing and white hybrid OLEDs. *Journal of Materials Research and Technology*, **2021**, 10, 711-721	5.5	8
83	BaZrO 3 perovskite nanoparticles as emissive material for organic/inorganic hybrid light-emitting diodes. *Dyes and Pigments*, **2017**, 145, 399-403	4.6	7
82	New cyclopentadithiophene-based (X-DAD?AD)n conjugated polymers for organic solar cells. *Solar Energy Materials and Solar Cells*, **2019**, 193, 66-72	6.4	7
81	Light-Sensitive Material Structure-Electrical Performance Relationship for Optical Memory Transistors Incorporating Photochromic Dihetarylethenes. *ACS Applied Materials & Interfaces*, **2020**, 12, 32987-32993	9.5	7
80	Organolithium-Mediated Postfunctionalization of Thiazolo[3,2-][1,3,5,2]oxadiazaborinine Fluorescent Dyes. *Journal of Organic Chemistry*, **2020**, 85, 6060-6072	4.2	7
79	3,7-Diaryl substituted 10-butylphenoxazines as new hole transporting materials for organic light emitting devices. *Dyes and Pigments*, **2017**, 137, 208-213	4.6	7
78	Derivatives of 2-phenylindole and carbazole as host materials for phosphorescent organic light emitting diodes. *Dyes and Pigments*, **2017**, 137, 58-68	4.6	7
77	Diphenylethenyl- and methylphenylethenyl-substituted triphenylamines as effective hole transporting and emitting materials. *Dyes and Pigments*, **2016**, 134, 593-600	4.6	7
76	Reversibly Switchable Phase-Dependent Emission of Quinoline and Phenothiazine Derivatives towards Applications in Optical Sensing and Information Multicoding. *Chemistry - A European Journal*, **2021**, 27, 2826-2836	4.8	7
75	Charge-transporting blue emitters having donor and acceptor moieties. *Journal of Photochemistry and Photobiology A: Chemistry*, **2016**, 315, 121-128	4.7	6
74	Efficient synthesis and structural effects of ambipolar carbazole derivatives. *Synthetic Metals*, **2017**, 223, 1-11	3.6	6
73	3,6-Bis(indol-1-yl)-9-phenylcarbazoles as electroactive materials for electrophosphorescent diodes. *Dyes and Pigments*, **2014**, 100, 66-72	4.6	6
72	Vacuum-deposited poly(o-methoxyaniline) thin films: Structure and electronic properties. *Journal of Non-Crystalline Solids*, **2008**, 354, 4282-4286	3.9	6
71	3,3?-Bicarbazole-based compounds as bipolar hosts for green and red phosphorescent organic light-emitting devices. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2020**, 261, 114662	3.1	6
70	All-organic fast intersystem crossing assisted exciplexes exhibiting sub-microsecond thermally activated delayed fluorescence. *Journal of Materials Chemistry C*, **2021**, 9, 4532-4543	7.1	6
69	Twin derivatives of fluorophenyl, difluorophenyl or trifluorophenyl substituted carbazoles as electroactive amorphous materials. *Synthetic Metals*, **2015**, 203, 122-126	3.6	5

68	Flexible diphenylsulfone versus rigid dibenzothiophene-dioxide as acceptor moieties in donor-acceptor-donor TADF emitters for highly efficient OLEDs. *Organic Electronics*, **2020**, 83, 105733	3.5	5
67	Benzo[b]carbazole and indole derivatives as emitters for non-doped deep-blue organic light emitting diodes. *Dyes and Pigments*, **2018**, 154, 145-154	4.6	5
66	Twin compounds of phenylethenyl substituted indole as efficient materials for electroluminescent devices. *Dyes and Pigments*, **2016**, 134, 64-68	4.6	5
65	Polymers Containing Diphenylvinyl-Substituted Indole Rings as Charge-Transporting Materials for OLEDs. *Journal of Electronic Materials*, **2016**, 45, 1210-1215	1.9	5
64	Properties of heterojunction based on pentacene and perylene derivatives. *Semiconductors*, **2009**, 43, 192-196	0.7	5
63	Long time stability of ITO/NiPc/ZnO/Al devices with ZnO buffer layer formed by atomic layer deposition technique□Impedance spectroscopy analysis. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2010**, 172, 272-275	3.1	5
62	Facile structure-modification of xanthenone based OLED emitters exhibiting both aggregation induced emission enhancement and thermally activated delayed fluorescence. *Journal of Luminescence*, **2020**, 220, 116955	3.8	5
61	meta-Substituted benzophenones as multifunctional electroactive materials for OLEDs. *Dyes and Pigments*, **2020**, 174, 108058	4.6	5
60	Synthesis of Linear and V-Shaped Carbazolyl-Substituted Pyridine-3,5-dicarbonitriles Exhibiting Efficient Bipolar Charge Transport and E-Type Fluorescence. *Chemistry - A European Journal*, **2019**, 25, 3325-3336	4.8	5
59	Multifunctional derivatives of pyrimidine-5-carbonitrile and differently substituted carbazoles for doping-free sky-blue OLEDs and luminescent sensors of oxygen. *Journal of Advanced Research*, **2021**, 33, 41-51	13	5
58	Essential electro-optical differences of exciplex type OLEDs based on a starburst carbazole derivative prepared by layer-by-layer and codeposition processes. *Synthetic Metals*, **2015**, 209, 173-177	3.6	4
57	High triplet energy materials for efficient exciplex-based and full-TADF-based white OLEDs. *Dyes and Pigments*, **2020**, 177, 108259	4.6	4
56	Synthesis of fused chalcogenophenocarbazoles: towards dual emission resulting from hybridized local and charge-transfer states. *New Journal of Chemistry*, **2020**, 44, 3903-3911	3.6	4
55	Polyethers with pendent phenylvinyl substituted carbazole rings as polymers for hole transporting layers of OLEDs. *Optical Materials*, **2016**, 51, 148-153	3.3	4
54	Not the sum of their parts: understanding multi-donor interactions in symmetric and asymmetric TADF emitters. *Journal of Materials Chemistry C*,	7.1	4
53	Transient absorption spectroscopy as a promising optical tool for the quality evaluation of graphene layers deposited by microwave plasma. *Surface and Coatings Technology*, **2020**, 395, 125887	4.4	4
52	Exciplex-forming derivatives of 2,7-di-tert-butyl-9,9-dimethylacridan and benzotrifluoride for efficient OLEDs. *Organic Electronics*, **2020**, 78, 105576	3.5	4
51	Can attachment of tert-butyl substituents to methoxycarbazole moiety induce efficient TADF in diphenylsulfone-based blue OLED emitters?. *Organic Electronics*, **2020**, 86, 105894	3.5	4

50	Carbazole-modified thiazolo[3,2-][1,3,5,2]oxadiazaborinines exhibiting aggregation-induced emission and mechanofluorochromism. *Organic and Biomolecular Chemistry*, **2021**, 19, 406-415	3.9	4
49	Multifunctional derivatives of donor-substituted perfluorobiphenyl for OLEDs and optical oxygen sensors. *Dyes and Pigments*, **2021**, 193, 109493	4.6	4
48	Tetraphenyl ornamented carbazolyl disubstituted diphenyl sulfone as bipolar TADF host for highly efficient OLEDs with low efficiency roll-offs. *Dyes and Pigments*, **2021**, 194, 109573	4.6	4
47	Oxygen sensing properties of thianthrene and phenothiazine derivatives exhibiting room temperature phosphorescence: Effect of substitution of phenothiazine moieties. *Sensors and Actuators B: Chemical*, **2021**, 345, 130369	8.5	4
46	Satisfying both interfacial- and bulk requirements for organic photovoltaics: Bridged-triphenylamines with extended π-conjugated systems as efficient new molecules. *Organic Electronics*, **2019**, 73, 137-145	3.5	3
45	Oxygen sensing and OLED applications of di-tert-butyl-dimethylacridinyl disubstituted oxygafluorene exhibiting long-lived deep-blue delayed fluorescence. *Journal of Materials Chemistry C*, **2020**, 8, 9632-9638	7.1	3
44	Towards blue AIE/AIEE: Synthesis and Applications in OLEDs of Tetra-/Triphenylethenyl Substituted 9,9-Dimethylacridine Derivatives. *Molecules*, **2020**, 25,	4.8	3
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