

Eli Zysman-Colman

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201
papers

6,281
citations

40
h-index

73
g-index

278
ext. papers

7,841
ext. citations

6.7
avg, IF

6.77
L-index

#	Paper	IF	Citations
201	Purely Organic Thermally Activated Delayed Fluorescence Materials for Organic Light-Emitting Diodes. <i>Advanced Materials</i> , 2017 , 29, 1605444	24	1056
200	Enhanced luminescent iridium(III) complexes bearing aryltriazole cyclometallated ligands. <i>Inorganic Chemistry</i> , 2011 , 50, 11514-26	5.1	175
199	Multiresonant Thermally Activated Delayed Fluorescence Emitters Based on Heteroatom-Doped Nanographenes: Recent Advances and Prospects for Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2020 , 30, 1908677	15.6	148
198	A Comprehensive Survey of Cationic Iridium(III) Complexes Bearing Nontraditional Ligand Chelation Motifs. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 2985-3007	2.3	146
197	Role of substitution on the photophysical properties of 5,5'-diaryl-2,2'-bipyridine (bpy*) in [Ir(ppy) ₂ (bpy*)]PF ₆ complexes: a combined experimental and theoretical study. <i>Inorganic Chemistry</i> , 2010 , 49, 5625-41	5.1	146
196	Lessons learned in tuning the optoelectronic properties of phosphorescent iridium(III) complexes. <i>Chemical Communications</i> , 2017 , 53, 807-826	5.8	139
195	Photoredox catalysts based on earth-abundant metal complexes. <i>Catalysis Science and Technology</i> , 2019 , 9, 889-915	5.5	123
194	Self-enhanced electrochemiluminescence of an iridium(III) complex: mechanistic insight. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11079-82	16.4	122
193	Bright electrochemiluminescence of iridium(III) complexes. <i>Chemical Communications</i> , 2012 , 48, 3179-81	5.8	114
192	Highly emissive excitons with reduced exchange energy in thermally activated delayed fluorescent molecules. <i>Nature Communications</i> , 2019 , 10, 597	17.4	113
191	Synthesis, separation, and circularly polarized luminescence studies of enantiomers of iridium(III) luminophores. <i>Inorganic Chemistry</i> , 2008 , 47, 2039-48	5.1	113
190	High-Efficiency Deep-Blue-Emitting Organic Light-Emitting Diodes Based on Iridium(III) Carbene Complexes. <i>Advanced Materials</i> , 2018 , 30, e1804231	24	101
189	Improved Turn-On Times of Light-Emitting Electrochemical Cells. <i>Chemistry of Materials</i> , 2008 , 20, 388-396	3.6	100
188	Light-Emitting Electrochemical Cells and Solution-Processed Organic Light-Emitting Diodes Using Small Molecule Organic Thermally Activated Delayed Fluorescence Emitters. <i>Chemistry of Materials</i> , 2015 , 27, 6535-6542	9.6	95
187	Improving Processability and Efficiency of Resonant TADF Emitters: A Design Strategy. <i>Advanced Optical Materials</i> , 2020 , 8, 1901627	8.1	85
186	Turn on of sky-blue thermally activated delayed fluorescence and circularly polarized luminescence (CPL) increased torsion by a bulky carbazolophane donor. <i>Chemical Science</i> , 2019 , 10, 6689-6696	9.4	80
185	Luminescent Iridium Complexes Used in Light-Emitting Electrochemical Cells (LEECs). <i>Topics in Current Chemistry</i> , 2016 , 374, 36	7.2	77

184	(Deep) blue through-space conjugated TADF emitters based on [2.2]paracyclophanes. <i>Chemical Communications</i> , 2018 , 54, 9278-9281	5.8	76
183	Blue-Emissive Cobalt(III) Complexes and Their Use in the Photocatalytic Trifluoromethylation of Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8027-8031	16.4	73
182	A Deep Blue B,N-Doped Heptacene Emitter That Shows Both Thermally Activated Delayed Fluorescence and Delayed Fluorescence by Triplet-Triplet Annihilation. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6588-6599	16.4	71
181	Blue light emitting electrochemical cells incorporating triazole-based luminophores. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 7440	7.1	65
180	Tuning the Emission of Cationic Iridium (III) Complexes Towards the Red Through Methoxy Substitution of the Cyclometalating Ligand. <i>Scientific Reports</i> , 2015 , 5, 12325	4.9	62
179	Solubilised bright blue-emitting iridium complexes for solution processed OLEDs. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 3726-3737	7.1	61
178	Strongly Blue Luminescent Cationic Iridium(III) Complexes with an Electron-Rich Ancillary Ligand: Evaluation of Their Optoelectronic and Electrochemiluminescence Properties. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 5329-5343	2.3	58
177	Deep-Blue Oxadiazole-Containing Thermally Activated Delayed Fluorescence Emitters for Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 33360-33372	9.5	58
176	Green Phosphorescence and Electroluminescence of Sulfur Pentafluoride-Functionalized Cationic Iridium(III) Complexes. <i>Inorganic Chemistry</i> , 2015 , 54, 5907-14	5.1	57
175	Mono- and dinuclear cationic iridium(III) complexes bearing a 2,5-dipyridylpyrazine (2,5-dpp) ligand. <i>Inorganic Chemistry</i> , 2013 , 52, 8495-504	5.1	56
174	Synthesis of arylbromides from arenes and N-bromosuccinimide (NBS) in acetonitrile [A] convenient method for aromatic bromination. <i>Canadian Journal of Chemistry</i> , 2009 , 87, 440-447	0.9	56
173	Cationic iridium(III) complexes bearing a bis(triazole) ancillary ligand. <i>Dalton Transactions</i> , 2013 , 42, 8402-8412	4.2	54
172	Enhanced Electrochemiluminescence from a Stoichiometric Ruthenium(II)-Iridium(III) Complex Soft Salt. <i>Chemistry - A European Journal</i> , 2015 , 21, 7435-40	4.8	52
171	Fluorine-free blue-green emitters for light-emitting electrochemical cells. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 5793-5804	7.1	52
170	Organic thermally activated delayed fluorescence (TADF) compounds used in photocatalysis. <i>Chemical Society Reviews</i> , 2021 , 50, 7587-7680	58.5	52
169	High stability light-emitting electrochemical cells from cationic iridium complexes with bulky 5,5? substituents. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18083		51
168	Solution-Processable Silicon Phthalocyanines in Electroluminescent and Photovoltaic Devices. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9247-53	9.5	48
167	Photoactive supramolecular cages incorporating Ru(ii) and Ir(iii) metal complexes. <i>Chemical Communications</i> , 2018 , 55, 139-158	5.8	46

166	Visible-Light-Promoted Iron-Catalyzed C(sp)-C(sp) Kumada Cross-Coupling in Flow. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13030-13034	16.4	42
165	Enhancing the photoluminescence quantum yields of blue-emitting cationic iridium(III) complexes bearing bisphosphine ligands. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 218-235	6.8	42
164	Intramolecular Borylation via Sequential B-Mes Bond Cleavage for the Divergent Synthesis of B,N,B-Doped Benzo[4]helicenes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3156-3160	16.4	42
163	Deep-blue thermally activated delayed fluorescence (TADF) emitters for light-emitting electrochemical cells (LEECs). <i>Journal of Materials Chemistry C</i> , 2017 , 5, 1699-1705	7.1	41
162	Organic Long-Persistent Luminescence from a Thermally Activated Delayed Fluorescence Compound. <i>Advanced Materials</i> , 2020 , 32, e2003911	24	40
161	Use of Pyrimidine and Pyrazine Bridges as a Design Strategy To Improve the Performance of Thermally Activated Delayed Fluorescence Organic Light Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 45171-45179	9.5	39
160	Self-Enhanced Electrochemiluminescence of an Iridium(III) Complex: Mechanistic Insight. <i>Angewandte Chemie</i> , 2012 , 124, 11241-11244	3.6	39
159	Chiral Iridium(III) Complexes in Light-Emitting Electrochemical Cells: Exploring the Impact of Stereochemistry on the Photophysical Properties and Device Performances. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 33907-33915	9.5	38
158	The design of an extended multiple resonance TADF emitter based on a polycyclic amine/carbonyl system. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 2018-2022	7.8	37
157	Cationic iridium(III) complexes bearing ancillary 2,5-dipyridyl(pyrazine) (2,5-dpp) and 2,2',6',6'-terpyridine (2,5-tpy) ligands: synthesis, optoelectronic characterization and light-emitting electrochemical cells. <i>Dalton Transactions</i> , 2014 , 43, 13672-82	4.3	37
156	Synthesis of a D ₃ -symmetric "trefoil" knotted cyclophane. <i>Chemical Communications</i> , 2011 , 47, 9588-90	5.8	37
155	Structure-switching ML Ir(III) coordination cages with photo-isomerising azo-aromatic linkers. <i>Chemical Science</i> , 2018 , 9, 8150-8159	9.4	37
154	A rare case of dual emission in a neutral heteroleptic iridium(III) complex. <i>Dalton Transactions</i> , 2013 , 42, 8838-47	4.3	36
153	Formylated chloro-bridged iridium(III) dimers as OLED materials: opening up new possibilities. <i>Dalton Transactions</i> , 2015 , 44, 8419-32	4.3	35
152	Homochiral Emissive \square and \square [Ir Pd] Supramolecular Cages. <i>Chemistry - A European Journal</i> , 2017 , 23, 14358-14366	4.8	35
151	Panchromic cationic iridium(III) complexes. <i>Inorganic Chemistry</i> , 2012 , 51, 12560-4	5.1	35
150	Synthesis, UV-Vis and CV properties of a structurally related series of bis(Arylimino)acenaphthenes (Ar-BIANs). <i>Journal of Physical Organic Chemistry</i> , 2013 , 26, 274-279	2.1	35
149	Synthesis, Properties, and Light-Emitting Electrochemical Cell (LEEC) Device Fabrication of Cationic Ir(III) Complexes Bearing Electron-Withdrawing Groups on the Cyclometalating Ligands. <i>Inorganic Chemistry</i> , 2016 , 55, 10361-10376	5.1	35

148	Homochiral Self-Sorted and Emissive Ir Metallo-Cryptophanes. <i>Chemistry - A European Journal</i> , 2017 , 23, 6290-6294	4.8	34
147	Recent developments in enantioselective photocatalysis. <i>Beilstein Journal of Organic Chemistry</i> , 2020 , 16, 2363-2441	2.5	34
146	Supramolecular iridium(III) assemblies. <i>Coordination Chemistry Reviews</i> , 2018 , 364, 86-117	23.2	33
145	Blue-to-Green Emitting Neutral Ir(III) Complexes Bearing Pentafluorosulfanyl Groups: A Combined Experimental and Theoretical Study. <i>Inorganic Chemistry</i> , 2017 , 56, 7533-7544	5.1	32
144	Blue-emitting cationic iridium(III) complexes featuring pyridylpyrimidine ligands and their use in sky-blue electroluminescent devices. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 9638-9650	7.1	32
143	Palladium(0) NHC complexes: a new avenue to highly efficient phosphorescence. <i>Chemical Science</i> , 2015 , 6, 3248-3261	9.4	31
142	Correlating electronic structures to electrochemiluminescence of cationic Ir complexes. <i>RSC Advances</i> , 2013 , 3, 19961	3.7	29
141	Enhanced thermally activated delayed fluorescence through bridge modification in sulfone-based emitters employed in deep blue organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 6664-6671	7.1	27
140	Iridium(III) Complexes for OLED Application 2017 , 205-274		26
139	A trip in the nonlinear optical properties of iridium complexes. <i>Coordination Chemistry Reviews</i> , 2020 , 414, 213293	23.2	25
138	Identification of the Key Parameters for Horizontal Transition Dipole Orientation in Fluorescent and TADF Organic Light-Emitting Diodes. <i>Advanced Materials</i> , 2021 , 33, e2100677	24	25
137	Efficient Light-Emitting Electrochemical Cells Using Small Molecular Weight, Ionic, Host-Guest Systems. <i>ECS Journal of Solid State Science and Technology</i> , 2016 , 5, R3160-R3163	2	24
136	Crossover point between dialkoxy disulfides (ROSSOR) and thionosulfites ((RO) ₂ S=S): prediction, synthesis, and structure. <i>Journal of the American Chemical Society</i> , 2006 , 128, 291-304	16.4	24
135	Blue-Emissive Cobalt(III) Complexes and Their Use in the Photocatalytic Trifluoromethylation of Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie</i> , 2018 , 130, 8159-8163	3.6	23
134	Photoinduced Energy and Electron Transfer Between a Photoactive Cage Based on a Thermally Activate Delayed Fluorescence Ligand and Encapsulated Fluorescent Dyes. <i>ACS Applied Energy Materials</i> , 2018 , 1, 2971-2978	6.1	23
133	Rigid biimidazole ancillary ligands as an avenue to bright deep blue cationic iridium(III) complexes. <i>Faraday Discussions</i> , 2014 , 174, 165-82	3.6	23
132	Archetypal Iridium(III) Compounds for Optoelectronic and Photonic Applications 2017 , 1-69		22
131	Copper-catalyzed asymmetric sp C-H arylation of tetrahydroisoquinoline mediated by a visible light photoredox catalyst. <i>Beilstein Journal of Organic Chemistry</i> , 2016 , 12, 2636-2643	2.5	22

130	Simple design to achieve red-to-near-infrared emissive cationic Ir(III) emitters and their use in light emitting electrochemical cells. <i>RSC Advances</i> , 2017 , 7, 31833-31837	3.7	21
129	Influence of Sulfur Oxidation State and Substituents on Sulfur-Bridged Luminescent Copper(I) Complexes Showing Thermally Activated Delayed Fluorescence. <i>Inorganic Chemistry</i> , 2019 , 58, 7156-7168	5.1	21
128	Blue-green emissive cationic iridium(III) complexes using partially saturated strongly-donating guanidyl-pyridine/-pyrazine ancillary ligands. <i>Chemical Communications</i> , 2015 , 51, 14060-3	5.8	21
127	Exploring energy transfer in luminescent heterometallic ruthenium-iridium ion pairs. <i>Dalton Transactions</i> , 2014 , 43, 3676-80	4.3	21
126	Intimate electronic coupling in cationic homodimeric iridium(III) complexes. <i>Dalton Transactions</i> , 2012 , 41, 9382-93	4.3	21
125	Unexpected evolution of optical properties in Ir-Pt complexes upon repeat unit increase: towards an understanding of the photophysical behaviour of organometallic polymers. <i>Chemical Communications</i> , 2012 , 48, 6271-3	5.8	21
124	Generalized synthesis and physical properties of dialkoxy disulfides. <i>Journal of Organic Chemistry</i> , 2005 , 70, 5964-73	4.2	21
123	What Controls the Orientation of TADF Emitters?. <i>Frontiers in Chemistry</i> , 2020 , 8, 750	5	21
122	Exploring the self-assembly and energy transfer of dynamic supramolecular iridium-porphyrin systems. <i>Dalton Transactions</i> , 2016 , 45, 17195-17205	4.3	21
121	Tuning the Optical Properties of Silicon Quantum Dots via Surface Functionalization with Conjugated Aromatic Fluorophores. <i>Scientific Reports</i> , 2018 , 8, 3050	4.9	20
120	Phosphorescent cationic iridium(iii) complexes dynamically bound to cyclodextrin vesicles: applications in live cell imaging. <i>Chemical Science</i> , 2018 , 9, 7822-7828	9.4	20
119	Cationic Platinum(II) Complexes Bearing Aryl-BIAN Ligands: Synthesis and Structural and Optoelectronic Characterization. <i>Organometallics</i> , 2015 , 34, 13-22	3.8	19
118	The synthesis of brominated-boron-doped PAHs by alkyne 1,1-bromoboration: mechanistic and functionalisation studies. <i>Chemical Science</i> , 2020 , 11, 3258-3267	9.4	19
117	Conformations of large macrocycles and ring-in-ring complexes. <i>Organic Chemistry Frontiers</i> , 2016 , 3, 661-666	5.2	19
116	Optimization of the synthesis of symmetric aromatic tri- and tetrasulfides. <i>Journal of Organic Chemistry</i> , 2003 , 68, 2487-9	4.2	19
115	Efficient Sky-Blue Organic Light-Emitting Diodes Using a Highly Horizontally Oriented Thermally Activated Delayed Fluorescence Emitter. <i>Advanced Optical Materials</i> , 2020 , 8, 2001354	8.1	19
114	Photonics of a conjugated organometallic Pt-Ir polymer and its model compounds exhibiting hybrid CT excited states. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 522-7	4.8	18
113	Fraternal twin iridium hemicage chelates. <i>Dalton Transactions</i> , 2011 , 40, 11726-31	4.3	18

112	Comparison of the structural properties of compounds containing the XSSX moiety (X = H, Me, R, Cl, Br, F, OR). <i>Journal of Sulfur Chemistry</i> , 2004 , 25, 291-316	2.3	18
111	1,3,4-Oxadiazole-based Deep Blue Thermally Activated Delayed Fluorescence Emitters for Organic Light Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 24772-24785	3.8	17
110	Visible and Near-Infrared Emission from Lanthanoid β -Triketonate Assemblies Incorporating Cesium Cations. <i>Inorganic Chemistry</i> , 2017 , 56, 8975-8985	5.1	17
109	An Unprecedented Family of Luminescent Iridium(III) Complexes Bearing a Six-Membered Chelated Tridentate C ^N C Ligand. <i>Inorganic Chemistry</i> , 2017 , 56, 5182-5188	5.1	16
108	Controlling the emission efficiency of blue-green iridium(III) phosphorescent emitters and applications in solution-processed organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 8939-8946	7.1	16
107	Energy transfer between Eu and Nd in near-infrared emitting β -triketonate coordination polymers. <i>Dalton Transactions</i> , 2018 , 47, 12345-12352	4.3	16
106	Hybrid charged heterometallic Pt-Ir complexes: tailoring excited states by taking the best of both worlds. <i>Chemical Communications</i> , 2012 , 48, 1120-2	5.8	16
105	Synthesis of new cyclic thionosulfites. <i>Journal of Organic Chemistry</i> , 2003 , 68, 7059-62	4.2	16
104	Impact of the use of sterically congested Ir(III) complexes on the performance of light-emitting electrochemical cells. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 6385-6397	7.1	15
103	The Effect of Aryl Substitution on the Properties of a Series of Highly Absorptive Cationic Iridium(III) Complexes Bearing Ancillary Bis(arylimino)acenaphthene Ligands. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 4421-4429	2.3	15
102	Analyzing the Relation between Structure and Aggregation Induced Emission (AIE) Properties of Iridium(III) Complexes through Modification of Non-Chromophoric Ancillary Ligands. <i>European Journal of Inorganic Chemistry</i> , 2019 , 2019, 152-163	2.3	15
101	A luminescent [PdRu] supramolecular cage. <i>Chemical Communications</i> , 2018 , 54, 6016-6019	5.8	15
100	Photoredox Catalysis of Iridium(III)-Based Photosensitizers 2017 , 541-581		14
99	An investigation on the second-order nonlinear optical response of cationic bipyridine or phenanthroline iridium(III) complexes bearing cyclometallated 2-phenylpyridines with a triphenylamine substituent. <i>Dalton Transactions</i> , 2018 , 47, 8292-8300	4.3	14
98	Phosphorescent platinum(II) complexes bearing pentafluorosulfanyl substituted cyclometalating ligands. <i>RSC Advances</i> , 2017 , 7, 25566-25574	3.7	13
97	Exciton efficiency beyond the spin statistical limit in organic light emitting diodes based on anthracene derivatives. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3773-3783	7.1	13
96	Molecular Design Strategy for a Two-Component Gel Based on a Thermally Activated Delayed Fluorescence Emitter. <i>ACS Applied Energy Materials</i> , 2018 , 1, 649-654	6.1	13
95	Inorganic and organometallic hemicage podates and cage cryptates incorporating a benzene platform. <i>Coordination Chemistry Reviews</i> , 2012 , 256, 1742-1761	23.2	13

94	Using the Mechanical Bond to Tune the Performance of a Thermally Activated Delayed Fluorescence Emitter*. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 12066-12073	16.4	13
93	Near-Infrared Fluorescence of Silicon Phthalocyanine Carboxylate Esters. <i>Scientific Reports</i> , 2017 , 7, 122829	4.9	12
92	Divergente Synthese von B,N,B-Benzo[4]helicenen durch intramolekulare Borylierung unter sequenzieller B-Mes-Bindungsspaltung. <i>Angewandte Chemie</i> , 2020 , 132, 3181-3185	3.6	12
91	Bipyridine-Containing Host Materials for High Performance Yellow Thermally Activated Delayed Fluorescence-Based Organic Light Emitting Diodes with Very Low Efficiency Roll-Off. <i>Advanced Optical Materials</i> , 2020 , 8, 1901283	8.1	12
90	Investigation of Intramolecular Through-Space Charge-Transfer States in Donor-Acceptor Charge-Transfer Systems. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 2820-2830	6.4	12
89	Multimetallic and Mixed Environment Iridium(III) Complexes: A Modular Approach to Luminescence Tuning Using a Host Platform. <i>Chemistry - A European Journal</i> , 2017 , 23, 8839-8849	4.8	10
88	Stable 6H Organic/Inorganic Hybrid Lead Perovskite and Competitive Formation of 6H and 3C Perovskite Structure with Mixed A Cations. <i>ACS Applied Energy Materials</i> , 2019 , 2, 5427-5437	6.1	10
87	Monitoring the on-off switching of the electronic communication in diethynylplatinum(II)-bridged dyads using triplet energy transfer. <i>Chemical Communications</i> , 2013 , 49, 5544-6	5.8	10
86	Bay-Region Functionalisation of Ar-BIAN Ligands and Their Use Within Highly Absorptive Cationic Iridium(III) Dyes. <i>Scientific Reports</i> , 2017 , 7, 15520	4.9	10
85	Influencing the Optoelectronic Properties of a Heteroleptic Iridium Complex by Second-Sphere H-Bonding Interactions. <i>Inorganic Chemistry</i> , 2018 , 57, 8581-8587	5.1	10
84	Iridium Complexes in Water Oxidation Catalysis 2017 , 617-654		9
83	Synthesis and characterisation of first row transition metal complexes of functionalized 1,2,4-benzothiadiazines. <i>Dalton Transactions</i> , 2014 , 43, 12996-3005	4.3	9
82	Fascinating organosulfur functionalities: Polychalcogens as diatomic sulfur sources. <i>Heteroatom Chemistry</i> , 2007 , 18, 449-459	1.2	9
81	Luminescent Dinuclear Copper(I) Complexes Bearing an Imidazolylpyrimidine Bridging Ligand. <i>Inorganic Chemistry</i> , 2020 , 59, 14772-14784	5.1	9
80	Thermally Activated Delayed Fluorescence Emitters with Intramolecular Proton Transfer for High Luminance Solution-Processed Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 15459-15474	9.5	9
79	A panchromatic, near infrared Ir(III) emitter bearing a tripodal C ^N C ligand as a dye for dye-sensitized solar cells. <i>Polyhedron</i> , 2018 , 140, 109-115	2.7	9
78	Photoinduced electron transfer in supramolecular ruthenium-porphyrin assemblies. <i>Dalton Transactions</i> , 2017 , 46, 2255-2262	4.3	8
77	One-pot synthesis of highly emissive dipyrindinium dihydrohelicenes. <i>Chemistry - A European Journal</i> , 2015 , 21, 7035-8	4.8	8

76	Phosphorescent cationic iridium(iii) complexes bearing a nonconjugated six-membered chelating ancillary ligand: a strategy for tuning the emission towards the blue. <i>Dalton Transactions</i> , 2018 , 47, 10569-10577	4.3	8
75	Synthesis, Characterization, and Optoelectronic Properties of Iridium Complexes Bearing Nonconjugated Six-Membered Chelating Ligands. <i>Inorganic Chemistry</i> , 2018 , 57, 2023-2034	5.1	8
74	Triazole-directed hydrogen-bonded structures of cationic iridium(III) complexes. <i>CrystEngComm</i> , 2014 , 16, 8531	3.3	8
73	Unprecedented Strong Panchromic Absorption from Proton-Switchable Iridium(III) Azoimidazolate Complexes. <i>Chemistry - A European Journal</i> , 2015 , 21, 19128-35	4.8	8
72	Strategic modulation of the photonic properties of conjugated organometallic Pt-Ir polymers exhibiting hybrid CT-excited states. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 627-32	4.8	8
71	One-Pot Click Synthesis of 1N-Alkyl-4-aryl-1,2,3-triazoles from Protected Arylalkynes and Alkyl Bromides. <i>Synthesis</i> , 2011 , 2011, 3604-3611	2.9	8
70	Probing the effect of β-ketonates in visible and NIR emitting lanthanoid complexes. <i>Dalton Transactions</i> , 2018 , 47, 7956-7964	4.3	8
69	Solar Fuel Generation 2017 , 583-615		7
68	A Comprehensive Review of Luminescent Iridium Complexes Used in Light-Emitting Electrochemical Cells (LEECs) 2017 , 275-357		7
67	Strategic Applications of Luminescent Iridium(III) Complexes as Biomolecular Probes, Cellular Imaging Reagents, and Photodynamic Therapeutics 2017 , 415-477		7
66	Conjugated, rigidified bibenzimidazole ancillary ligands for enhanced photoluminescence quantum yields of orange/red-emitting iridium(iii) complexes. <i>Dalton Transactions</i> , 2019 , 48, 9639-9653	4.3	7
65	Diindolocarbazole - achieving multiresonant thermally activated delayed fluorescence without the need for acceptor units.. <i>Materials Horizons</i> , 2022 ,	14.4	7
64	A Pd ₃ L ₆ supramolecular cage incorporating photoactive [2.2]paracyclophane units. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 232-238	6.8	7
63	Ligand electronic fine-tuning and its repercussion on the photocatalytic activity and mechanistic pathways of the copper-photocatalysed aza-Henry reaction. <i>Catalysis Science and Technology</i> , 2020 , 10, 7745-7756	5.5	7
62	Thermally Activated Delayed Fluorescent Dendrimers that Underpin High-efficiency Host-Free Solution-Processed Organic Light Emitting Diodes.. <i>Advanced Materials</i> , 2022 , e2110344	24	7
61	Electrochemiluminescence of Iridium Complexes 2017 , 359-414		6
60	Visible-Light-Promoted Iron-Catalyzed C(sp ²)–C(sp ³) Kumada Cross-Coupling in Flow. <i>Angewandte Chemie</i> , 2019 , 131, 13164-13168	3.6	6
59	Thermally Activated Delayed Fluorescence Emitters in Light-Emitting Electrochemical Cells 2017 , 237-266		6

58	Tris(triazolo)triazine-based emitters for solution-processed blue thermally activated delayed fluorescence organic light-emitting diodes. <i>Materials Advances</i> , 2020 , 1, 2862-2871	3.3	6
57	Planar and Rigid Pyrazine-Based TADF Emitter for Deep Blue Bright Organic Light-Emitting Diodes. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 2285-2293	3.2	6
56	Synthesis and characterization of green-to-yellow emissive Ir(III) complexes of pyridylbenzothiadiazine ligand. <i>Journal of Coordination Chemistry</i> , 2016 , 69, 1924-1937	1.6	6
55	Regiochemistry of Donor Dendrons Controls the Performance of Thermally Activated Delayed Fluorescence Dendrimer Emitters for High Efficiency Solution-Processed Organic Light-Emitting Diodes.. <i>Advanced Science</i> , 2022 , e2201470	13.6	6
54	Probing the chemistry of rare sulfur allotropes: S9, S12 and S20. <i>Journal of Sulfur Chemistry</i> , 2008 , 29, 309-326	2.3	5
53	The promise and pitfalls of photocatalysis for organic synthesis. <i>Chem Catalysis</i> , 2022 ,		5
52	Pyridine-functionalized carbazole donor and benzophenone acceptor design for thermally activated delayed fluorescence emitters in blue organic light-emitting diodes. <i>Journal of Photonics for Energy</i> , 2018 , 8, 1	1.2	5
51	Wide-Bite-Angle Diphosphine Ligands in Thermally Activated Delayed Fluorescent Copper(I) Complexes: Impact on the Performance of Electroluminescence Applications. <i>Inorganic Chemistry</i> , 2021 , 60, 10323-10339	5.1	5
50	Progressive Polytypism and Bandgap Tuning in Azetidinium Lead Halide Perovskites. <i>Inorganic Chemistry</i> , 2021 , 60, 12247-12254	5.1	5
49	Method for accurate experimental determination of singlet and triplet exciton diffusion between thermally activated delayed fluorescence molecules. <i>Chemical Science</i> , 2020 , 12, 1121-1125	9.4	5
48	Exact Solution of Kinetic Analysis for Thermally Activated Delayed Fluorescence Materials. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 8074-8089	2.8	5
47	Iridium Complexes in the Development of Optical Sensors 2017 , 479-539		4
46	Iridium Complexes as Photoactive Center for Light Harvesting and Solar Cell Applications 2017 , 655-681		4
45	Highly Fluorescent Emitters Based on Triphenylamine-Triazine (D-EA) System: Effect of Extended Conjugation on Singlet-Triplet Energy Gap. <i>Asian Journal of Organic Chemistry</i> , 2020 , 9, 1277-1285	3	4
44	Influence of molecular structure on phase transitions in liquid crystal binary mixtures: The role of the orientation of the central ester. <i>Journal of Molecular Liquids</i> , 2013 , 183, 59-63	6	4
43	Molecular electronics: general discussion. <i>Faraday Discussions</i> , 2014 , 174, 125-51	3.6	4
42	Multi-resonant thermally activated delayed fluorescence emitters based on tetracoordinate boron-containing PAHs: colour tuning based on the nature of chelates.. <i>Chemical Science</i> , 2022 , 13, 1665-1674	9.4	4
41	Photophysical investigation of near infrared emitting lanthanoid complexes incorporating tris(2-naphthoyl)methane as a new antenna ligand. <i>Dalton Transactions</i> , 2019 , 48, 3768-3776	4.3	4

40	High-triplet-energy Bipolar Host Materials Based on Phosphine Oxide Derivatives for Efficient Sky-blue Thermally Activated Delayed Fluorescence Organic Light-emitting Diodes with Reduced Roll-off. <i>Chemistry Letters</i> , 2019 , 48, 1225-1228	1.7	3
39	Dialkoxo disulfides and their branch-bonded thionosulfite isomers. <i>Journal of Sulfur Chemistry</i> , 2004 , 25, 155-182	2.3	3
38	Desulfurization of aromatic polysulfides with triphenylphosphine. <i>Journal of Sulfur Chemistry</i> , 2004 , 25, 101-109	2.3	3
37	Photoluminescence and Electrochemiluminescence of Thermally Activated Delayed Fluorescence (TADF) Emitters Containing Diphenylphosphine Chalcogenide-Substituted Carbazole Donors. <i>Journal of Materials Chemistry C</i> ,	7.1	3
36	Compositional Variation in Hybrid Organic-Inorganic Lead Halide Perovskites: Kinetically versus Thermodynamically Controlled Synthesis. <i>Chemistry of Materials</i> , 2021 , 33, 3650-3659	9.6	3
35	Fast Delayed Emission in New Pyridazine-Based Compounds. <i>Frontiers in Chemistry</i> , 2020 , 8, 572862	5	3
34	Lanthanoid complexes supported by retro-Claisen condensation products of β -ketoenones. <i>Dalton Transactions</i> , 2018 , 47, 17469-17478	4.3	3
33	Multinuclear Iridium Complexes 2017 , 71-109		2
32	Marigold Flower-Like Assemblies of Phosphorescent Iridium-Silver Coordination Polymers. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800501	4.8	2
31	Organic photovoltaics and energy: general discussion. <i>Faraday Discussions</i> , 2014 , 174, 341-55	3.6	2
30	Enhancing Thermally Activated Delayed Fluorescence by Fine-Tuning the Dendron Donor Strength.. <i>Journal of Physical Chemistry B</i> , 2022 ,	3.4	2
29	Special Section Guest Editorial: Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes. <i>Journal of Photonics for Energy</i> , 2018 , 8, 1	1.2	2
28	Using the Mechanical Bond to Tune the Performance of a Thermally Activated Delayed Fluorescence Emitter**. <i>Angewandte Chemie</i> , 2021 , 133, 12173-12180	3.6	2
27	Supramolecular Assemblies Showing Thermally Activated Delayed Fluorescence. <i>Small Science</i> , 2100022		2
26	Mild C ⁺ Activation in Perfluorinated Arenes through Photosensitized Insertion of Isonitriles at 350 nm. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 376-383	5.6	2
25	Exploring the possibility of using fluorine-involved non-conjugated electron-withdrawing groups for thermally activated delayed fluorescence emitters by TD-DFT calculation. <i>Beilstein Journal of Organic Chemistry</i> , 2021 , 17, 210-223	2.5	2
24	Electron-withdrawing group modified carbazolophane donors for deep blue thermally activated delayed fluorescence OLEDs. <i>Materials Advances</i> ,	3.3	2
23	Solution-Processed TADF Materials and Devices Based on Organic Emitters 2018 , 501-541		2

22	Multichromophore Molecular Design for Thermally Activated Delayed-Fluorescence Emitters with Near-Unity Photoluminescence Quantum Yields. <i>Journal of Organic Chemistry</i> , 2021 , 86, 11531-11544	4.2	2
21	Molecular Design and Synthesis of Dicarbazolophane-Based Centrosymmetric Through-Space Donors for Solution-Processed Thermally Activated Delayed Fluorescence OLEDs. <i>Organic Letters</i> , 2021 , 23, 6697-6702	6.2	2
20	Spiro-Based Thermally Activated Delayed Fluorescence Emitters with Reduced Nonradiative Decay for High-Quantum-Efficiency, Low-Roll-Off, Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44628-44640	9.5	2
19	Physical and photophysical properties of a linear copper(I) complex of a bulky acenaphthene-based NHC ligand. <i>Journal of Coordination Chemistry</i> , 2021 , 74, 361-379	1.6	2
18	Polymeric Architectures Containing Phosphorescent Iridium(III) Complexes 2017 , 145-203		1
17	A tale of two tables. <i>Nature Chemistry</i> , 2019 , 11, 757-759	17.6	1
16	Determining absolute electrochemiluminescence efficiencies of two iridium complexes. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 906, 115891	4.1	1
15	High performance non-doped green organic light emitting diodes via delayed fluorescence. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 15583-15590	7.1	1
14	OBO-Fused Benzo[fg]tetracene as Acceptor With Potential for Thermally Activated Delayed Fluorescence Emitters. <i>Frontiers in Chemistry</i> , 2020 , 8, 563411	5	1
13	20-1: Invited Paper: Towards Deep-Blue Materials with Efficient Triplet Harvesting. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 239-242	0.5	1
12	A Luminescent 1D Silver Polymer Containing [2.2]Paracyclophane Ligands. <i>Frontiers in Chemistry</i> , 2021 , 9, 728845	5	1
11	19-2: Invited Paper: Design of Multi-Resonance Thermally Activated Delayed Fluorescence Materials for Organic Light-Emitting Diodes. <i>Digest of Technical Papers SID International Symposium</i> , 2021 , 52, 228-231	0.5	0
10	Substitution Effects on a New Pyridylbenzimidazole Acceptor for Thermally Activated Delayed Fluorescence and Their Use in Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2100846	8.1	0
9	50-1: Invited Paper: Recent Advances in Measuring and Understanding the Influence of Molecular Alignment on the Light Extraction Efficiency of OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 742-745	0.5	
8	Soft Materials and Soft Salts Based on Iridium Complexes 2017 , 111-126		
7	Porous Materials Based on Precious Metal Building Blocks for Solar Energy Applications 2017 , 127-144		
6	Photonics: general discussion. <i>Faraday Discussions</i> , 2014 , 174, 235-53	3.6	
5	Investigation of the Relationship Between the Molecular Structure and the Thermal Stabilization of the Smectic C Phase in Four Series of Calamitic Smectogens. <i>Ferroelectrics</i> , 2012 , 431, 32-39	0.6	

- 4 Synthesis and optoelectronic properties of benzoquinone-based donor-acceptor compounds. *Beilstein Journal of Organic Chemistry*, **2019**, 15, 2914-2921 2.5
- 3 Analyzing the Relation between Structure and Aggregation Induced Emission (AIE) Properties of Iridium(III) Complexes through Modification of Non-Chromophoric Ancillary Ligands. *European Journal of Inorganic Chemistry*, **2019**, 2019, 135-135 2.3
- 2 24.2: Invited Paper: Design of multi-resonance thermally activated delayed fluorescence materials for organic light-emitting diodes. *Digest of Technical Papers SID International Symposium*, **2021**, 52, 312-315 2.5
- 1 Effect of a twin-emitter design strategy on a previously reported thermally activated delayed fluorescence organic light-emitting diode.. *Beilstein Journal of Organic Chemistry*, **2021**, 17, 2894-2905 2.5