

Eli Zysman-Colman

List of Publications by Year in descending order

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205
papers

9,488
citations

50170

46
h-index

48187

88
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278
all docs

278
docs citations

278
times ranked

6783
citing authors

#	ARTICLE	IF	CITATIONS
1	Purely Organic Thermally Activated Delayed Fluorescence Materials for Organic Light-Emitting Diodes. <i>Advanced Materials</i> , 2017, 29, 1605444.	11.1	1,490
2	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.	7.8	385
3	Highly emissive excitons with reduced exchange energy in thermally activated delayed fluorescent molecules. <i>Nature Communications</i> , 2019, 10, 597.	5.8	253
4	Organic thermally activated delayed fluorescence (TADF) compounds used in photocatalysis. <i>Chemical Society Reviews</i> , 2021, 50, 7587-7680.	18.7	205
5	Photoredox catalysts based on earth-abundant metal complexes. <i>Catalysis Science and Technology</i> , 2019, 9, 889-915.	2.1	203
6	Enhanced Luminescent Iridium(III) Complexes Bearing Aryltriazole Cyclometallated Ligands. <i>Inorganic Chemistry</i> , 2011, 50, 11514-11526.	1.9	198
7	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.	6.6	189
8	Improving Processability and Efficiency of Resonant TADF Emitters: A Design Strategy. <i>Advanced Optical Materials</i> , 2020, 8, 1901627.	3.6	182
9	Lessons learned in tuning the optoelectronic properties of phosphorescent iridium(III) complexes. <i>Chemical Communications</i> , 2017, 53, 807-826.	2.2	180
10	A Comprehensive Survey of Cationic Iridium(III) Complexes Bearing Nontraditional Ligand Chelation Motifs. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2985-3007.	1.0	164
11	High-Efficiency Deep-Blue-Emitting Organic Light-Emitting Diodes Based on Iridium(III) Carbene Complexes. <i>Advanced Materials</i> , 2018, 30, e1804231.	11.1	160
12	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, 5625-5641.	1.9	155
13	Self-Enhanced Electrochemiluminescence of an Iridium(III) Complex: Mechanistic Insight. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11079-11082.	7.2	147
14	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.	3.7	135
15	Synthesis, Separation, and Circularly Polarized Luminescence Studies of Enantiomers of Iridium(III) Luminophores. <i>Inorganic Chemistry</i> , 2008, 47, 2039-2048.	1.9	131
16	Bright electrochemiluminescence of iridium(III) complexes. <i>Chemical Communications</i> , 2012, 48, 3179.	2.2	126
17	Improved Turn-On Times of Light-Emitting Electrochemical Cells. <i>Chemistry of Materials</i> , 2008, 20, 388-396.	3.2	110
18	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.	3.2	110

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19	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.	7.2	106
20	(Deep) blue through-space conjugated TADF emitters based on [2.2]paracyclophanes. <i>Chemical Communications</i> , 2018, 54, 9278-9281.	2.2	106
21	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.	11.1	99
22	Luminescent Iridium Complexes Used in Light-Emitting Electrochemical Cells (LEECs). <i>Topics in Current Chemistry</i> , 2016, 374, 36.	3.0	97
23	Intramolecular Borylation via Sequential B ⁺ Mes Bond Cleavage for the Divergent Synthesis of B,N-Doped Benzo[4]helicenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3156-3160.	7.2	90
24	Organic Long-Persistent Luminescence from a Thermally Activated Delayed Fluorescence Compound. <i>Advanced Materials</i> , 2020, 32, e2003911.	11.1	86
25	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.	1.6	81
26	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.	3.2	81
27	Recent developments in enantioselective photocatalysis. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 2363-2441.	1.3	80
28	Synthesis of arylbromides from arenes and <i>N</i> -bromosuccinimide (NBS) in acetonitrile – A convenient method for aromatic bromination. <i>Canadian Journal of Chemistry</i> , 2009, 87, 440-447.	0.6	77
29	Visible-Light-Promoted Iron-Catalyzed C(sp ²)–C(sp ³) Kumada Cross-Coupling in Flow. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13030-13034.	7.2	71
30	Structure-switching M ₃ L ₂ Ir(III) coordination cages with photo-isomerising azo-aromatic linkers. <i>Chemical Science</i> , 2018, 9, 8150-8159.	3.7	69
31	Blue light emitting electrochemical cells incorporating triazole-based luminophores. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7440.	2.7	68
32	Mono- and Dinuclear Cationic Iridium(III) Complexes Bearing a 2,5-Dipyridylpyrazine (2,5-dpp) Ligand. <i>Inorganic Chemistry</i> , 2013, 52, 8495-8504.	1.9	67
33	Deep-Blue Oxadiazole-Containing Thermally Activated Delayed Fluorescence Emitters for Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33360-33372.	4.0	67
34	Solubilised bright blue-emitting iridium complexes for solution processed OLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3726-3737.	2.7	65
35	Enhanced Electrochemiluminescence from a Stoichiometric Ruthenium(II)–Iridium(III) Complex Soft Salt. <i>Chemistry - A European Journal</i> , 2015, 21, 7435-7440.	1.7	63
36	Green Phosphorescence and Electroluminescence of Sulfur Pentafluoride-Functionalized Cationic Iridium(III) Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 5907-5914.	1.9	61

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37	The promise and pitfalls of photocatalysis for organic synthesis. <i>Chem Catalysis</i> , 2022, 2, 468-476.	2.9	61
38	Fluorine-free blue-green emitters for light-emitting electrochemical cells. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5793-5804.	2.7	60
39	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.	1.0	59
40	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.	4.0	58
41	Solution-Processable Silicon Phthalocyanines in Electroluminescent and Photovoltaic Devices. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9247-9253.	4.0	56
42	High stability light-emitting electrochemical cells from cationic iridium complexes with bulky 5,5- C_2 substituents. <i>Journal of Materials Chemistry</i> , 2011, 21, 18083.	6.7	55
43	Cationic iridium(III) complexes bearing a bis(triazole) ancillary ligand. <i>Dalton Transactions</i> , 2013, 42, 8402.	1.6	55
44	Photoactive supramolecular cages incorporating Ru(II) and Ir(III) metal complexes. <i>Chemical Communications</i> , 2019, 55, 139-158.	2.2	55
45	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.	2.7	54
46	A trip in the nonlinear optical properties of iridium complexes. <i>Coordination Chemistry Reviews</i> , 2020, 414, 213293.	9.5	51
47	Diindolocarbazole - achieving multiresonant thermally activated delayed fluorescence without the need for acceptor units. <i>Materials Horizons</i> , 2022, 9, 1068-1080.	6.4	48
48	Exact Solution of Kinetic Analysis for Thermally Activated Delayed Fluorescence Materials. <i>Journal of Physical Chemistry A</i> , 2021, 125, 8074-8089.	1.1	47
49	Excited-State Modulation in Donor-Substituted Multiresonant Thermally Activated Delayed Fluorescence Emitters. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 22341-22352.	4.0	47
50	Enhancing the photoluminescence quantum yields of blue-emitting cationic iridium(III) complexes bearing bisphosphine ligands. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 218-235.	3.0	45
51	What Controls the Orientation of TADF Emitters?. <i>Frontiers in Chemistry</i> , 2020, 8, 750.	1.8	45
52	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.	4.0	44
53	Supramolecular iridium(III) assemblies. <i>Coordination Chemistry Reviews</i> , 2018, 364, 86-117.	9.5	44
54	Synthesis, Properties, and Light-Emitting Electrochemical Cell (LEEC) Device Fabrication of Cationic Ir(III) Complexes Bearing Electron-Withdrawing Groups on the Cyclometallating Ligands. <i>Inorganic Chemistry</i> , 2016, 55, 10361-10376.	1.9	43

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55	Homochiral Emissive Ir^{III} and Ir^{II} $\{\text{Ir}^{\text{III}}\text{Pd}^{\text{IV}}\}^{16+}$ Supramolecular Cages. <i>Chemistry - A European Journal</i> , 2017, 23, 14358-14366.	1.7	43
56	Panchromic Cationic Iridium(III) Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 12560-12564.	1.9	40
57	A rare case of dual emission in a neutral heteroleptic iridium(III) complex. <i>Dalton Transactions</i> , 2013, 42, 8838.	1.6	40
58	Synthesis, UV-Vis and CV properties of a structurally related series of bis(Arylimino)acenaphthenes (ArBIANs). <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 274-279.	0.9	40
59	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.	1.9	40
60	Synthesis of a D ₃ -symmetric C_2 -knotted cyclophane. <i>Chemical Communications</i> , 2011, 47, 9588.	2.2	39
61	Cationic iridium(III) complexes bearing ancillary 2,5-dipyridyl(pyrazine) (2,5-dpp) and 2,2':5',2''-terpyridine (2,5-tpy) ligands: synthesis, optoelectronic characterization and light-emitting electrochemical cells. <i>Dalton Transactions</i> , 2014, 43, 13672-13682.	1.6	39
62	Formylated chloro-bridged iridium(III) dimers as OLED materials: opening up new possibilities. <i>Dalton Transactions</i> , 2015, 44, 8419-8432.	1.6	39
63	Palladium(0) NHC complexes: a new avenue to highly efficient phosphorescence. <i>Chemical Science</i> , 2015, 6, 3248-3261.	3.7	39
64	Homochiral Self-Sorted and Emissive Ir ^{III} Metallo-Cryptophanes. <i>Chemistry - A European Journal</i> , 2017, 23, 6290-6294.	1.7	39
65	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.	2.7	39
66	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.	2.7	39
67	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.	2.1	36
68	The synthesis of brominated-boron-doped PAHs by alkyne 1,1-bromoboration: mechanistic and functionalisation studies. <i>Chemical Science</i> , 2020, 11, 3258-3267.	3.7	35
69	Correlating electronic structures to electrochemiluminescence of cationic Ir complexes. <i>RSC Advances</i> , 2013, 3, 19961.	1.7	33
70	Blue-Emissive Cobalt(III) Complexes and Their Use in the Photocatalytic Trifluoromethylation of Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie</i> , 2018, 130, 8159-8163.	1.6	33
71	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.	7.2	32
72	Modeling of Multiresonant Thermally Activated Delayed Fluorescence Emitters: Properly Accounting for Electron Correlation Is Key!. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 4903-4918.	2.3	32

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73	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.	1.9	31
74	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.	3.6	31
75	Copper-catalyzed asymmetric sp^3 C-H arylation of tetrahydroisoquinoline mediated by a visible light photoredox catalyst. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2636-2643.	1.3	30
76	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.	1.7	30
77	Divergente Synthese von B,N-Benzo[4]helicenen durch intramolekulare Borylierung unter sequenzieller B-Mes-Bindungsspaltung. <i>Angewandte Chemie</i> , 2020, 132, 3181-3185.	1.6	30
78	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.	4.0	30
79	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.	3.7	30
80	Thermally Activated Delayed Fluorescent Dendrimers that Underpin High-Efficiency Host-Free Solution-Processed Organic Light-Emitting Diodes. <i>Advanced Materials</i> , 2022, 34, e2110344.	11.1	30
81	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.	2.5	29
82	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.	1.9	28
83	Conformations of large macrocycles and ring-in-ring complexes. <i>Organic Chemistry Frontiers</i> , 2016, 3, 661-666.	2.3	27
84	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.	0.9	27
85	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.	2.7	27
86	Rigid biimidazole ancillary ligands as an avenue to bright deep blue cationic iridium(III) complexes. <i>Faraday Discussions</i> , 2014, 174, 165-182.	1.6	26
87	Tuning the Optical Properties of Silicon Quantum Dots via Surface Functionalization with Conjugated Aromatic Fluorophores. <i>Scientific Reports</i> , 2018, 8, 3050.	1.6	26
88	Luminescent Dinuclear Copper(I) Complexes Bearing an Imidazolylpyrimidine Bridging Ligand. <i>Inorganic Chemistry</i> , 2020, 59, 14772-14784.	1.9	26
89	Optimization of the Synthesis of Symmetric Aromatic Tri- and Tetrasulfides. <i>Journal of Organic Chemistry</i> , 2003, 68, 2487-2489.	1.7	25
90	Crossover Point between Dialkoxy Disulfides (ROSSOR) and Thionosulfites ((RO) ₂ SS): Prediction, Synthesis, and Structure. <i>Journal of the American Chemical Society</i> , 2006, 128, 291-304.	6.6	25

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91	Thermally Activated and Aggregation-Regulated Excitonic Coupling Enable Emissive High-Lying Triplet Excitons**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	25
92	Blue-green emissive cationic iridium(ⁱⁱⁱ) complexes using partially saturated strongly-donating guanidyl-pyridine-/pyrazine ancillary ligands. <i>Chemical Communications</i> , 2015, 51, 14060-14063.	2.2	24
93	Cationic Platinum(II) Complexes Bearing Aryl-BIAN Ligands: Synthesis and Structural and Optoelectronic Characterization. <i>Organometallics</i> , 2015, 34, 13-22.	1.1	23
94	Exploring the self-assembly and energy transfer of dynamic supramolecular iridium-porphyrin systems. <i>Dalton Transactions</i> , 2016, 45, 17195-17205.	1.6	23
95	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.	2.7	23
96	Visible and Near-Infrared Emission from Lanthanoid β -Triketonate Assemblies Incorporating Cesium Cations. <i>Inorganic Chemistry</i> , 2017, 56, 8975-8985.	1.9	23
97	An S-shaped double helicene showing both multi-resonance thermally activated delayed fluorescence and circularly polarized luminescence. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4861-4870.	2.7	23
98	Intimate electronic coupling in cationic homodimeric iridium(iii) complexes. <i>Dalton Transactions</i> , 2012, 41, 9382.	1.6	22
99	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.	2.2	22
100	Exploring energy transfer in luminescent heterometallic ruthenium-iridium ion pairs. <i>Dalton Transactions</i> , 2014, 43, 3676.	1.6	22
101	Generalized Synthesis and Physical Properties of Dialkoxy Disulfides. <i>Journal of Organic Chemistry</i> , 2005, 70, 5964-5973.	1.7	21
102	Photonics of a Conjugated Organometallic Pt-Ir Polymer and Its Model Compounds Exhibiting Hybrid CT Excited States. <i>Macromolecular Rapid Communications</i> , 2012, 33, 522-527.	2.0	21
103	Phosphorescent cationic iridium(ⁱⁱⁱ) complexes dynamically bound to cyclodextrin vesicles: applications in live cell imaging. <i>Chemical Science</i> , 2018, 9, 7822-7828.	3.7	21
104	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.	1.5	21
105	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.	2.1	21
106	Comparison of the structural properties of compounds containing the XSSX moiety (X = H, Me, R, Cl, Br).	1.0	20
107	Fraternal twin iridium hemicage chelates. <i>Dalton Transactions</i> , 2011, 40, 11726.	1.6	20
108	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.	1.0	20

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109	Energy transfer between Eu ³⁺ and Nd ³⁺ in near-infrared emitting $\hat{\text{I}}^2$ -triketone coordination polymers. <i>Dalton Transactions</i> , 2018, 47, 12345-12352.	1.6	20
110	Photoluminescence and electrochemiluminescence of thermally activated delayed fluorescence (TADF) emitters containing diphenylphosphine chalcogenide-substituted carbazole donors. <i>Journal of Materials Chemistry C</i> , 2022, 10, 4646-4667.	2.7	20
111	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.	1.6	19
112	A luminescent [Pd ₄ Ru ₈] ²⁴⁺ supramolecular cage. <i>Chemical Communications</i> , 2018, 54, 6016-6019.	2.2	19
113	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.	1.6	19
114	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, 9, e2201470.	5.6	19
115	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.	1.9	18
116	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.	2.7	18
117	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.	1.0	18
118	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.	3.6	18
119	Synthesis of New Cyclic Thionosulfites. <i>Journal of Organic Chemistry</i> , 2003, 68, 7059-7062.	1.7	17
120	Hybrid charged heterometallic Pt ^{II} -Ir complexes: tailoring excited states by taking the best of both worlds. <i>Chemical Communications</i> , 2012, 48, 1120-1122.	2.2	17
121	Near-Infrared Fluorescence of Silicon Phthalocyanine Carboxylate Esters. <i>Scientific Reports</i> , 2017, 7, 12282.	1.6	17
122	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.	1.2	17
123	Phosphorescent platinum(II) complexes bearing pentafluorosulfanyl substituted cyclometalating ligands. <i>RSC Advances</i> , 2017, 7, 25566-25574.	1.7	16
124	Moving Beyond Cyanoarene Thermally Activated Delayed Fluorescence Compounds as Photocatalysts: An Assessment of the Performance of a Pyrimidyl Sulfone Photocatalyst in Comparison to 4CzIPN. <i>Journal of Organic Chemistry</i> , 2023, 88, 6364-6373.	1.7	16
125	Inorganic and organometallic hemicage podates and cage cryptates incorporating a benzene platform. <i>Coordination Chemistry Reviews</i> , 2012, 256, 1742-1761.	9.5	15
126	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.	2.5	15

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127	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.	2.5	15
128	Molecular designs offer fast exciton conversion. <i>Nature Photonics</i> , 2020, 14, 593-594.	15.6	15
129	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.	4.0	15
130	Bay-Region Functionalisation of Ar-BIAN Ligands and Their Use Within Highly Absorptive Cationic Iridium(III) Dyes. <i>Scientific Reports</i> , 2017, 7, 15520.	1.6	14
131	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.	1.0	14
132	Influencing the Optoelectronic Properties of a Heteroleptic Iridium Complex by Second-Sphere H-Bonding Interactions. <i>Inorganic Chemistry</i> , 2018, 57, 8581-8587.	1.9	14
133	Probing the effect of β^2 -triketones in visible and NIR emitting lanthanoid complexes. <i>Dalton Transactions</i> , 2018, 47, 7956-7964.	1.6	12
134	A Pd ₃ L ₆ supramolecular cage incorporating photoactive [2.2]paracyclophane units. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 232-238.	3.0	12
135	Progressive Polytypism and Bandgap Tuning in Azetidinium Lead Halide Perovskites. <i>Inorganic Chemistry</i> , 2021, 60, 12247-12254.	1.9	12
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