

Near-infrared phosphorescence: materials and applications

Chemical Society Reviews

42, 6128

DOI: [10.1039/c3cs60029g](https://doi.org/10.1039/c3cs60029g)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Colorimetric and fluorescent pH and Cu <sup>2+</sup> probes induced by photoisomerization of a maleonitrile-based Salen ligand. <i>Chemical Communications</i> , 2013, 49, 11791.	2.2	60
2	Red-light-absorbing diimine Pt(II) bisacetylides complexes showing near-IR phosphorescence and long-lived 3IL excited state of Bodipy for application in triplet-triplet annihilation upconversion. <i>Dalton Transactions</i> , 2013, 42, 14374.	1.6	44
3	Photo- and electroluminescence from deep-red- and near-infrared-phosphorescent tris-cyclometalated iridium(III) complexes bearing largely $\pi$ -extended ligands. <i>Inorganic Chemistry Communication</i> , 2013, 38, 14-19.	1.8	36
4	Synthesis and Photophysical Properties of Colorful Salen-Type Schiff Bases. <i>Journal of Physical Chemistry C</i> , 2013, 117, 16552-16563.	1.5	126
5	Ratiometric luminescence 2D <i>in vivo</i> imaging and monitoring of mouse skin oxygenation. <i>Methods and Applications in Fluorescence</i> , 2013, 1, 045002.	1.1	30
7	Push-Pull Design of Bis(tridentate) Ruthenium(II) Polypyridine Chromophores as Deep Red Light Emitters in Light-Emitting Electrochemical Cells. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 288-295.	1.0	42
8	Coordination Behaviour of a Hexadentate 1,1'-bis(ferrocenylene)-bridged Bisphosphole towards Coinage Metal Centres. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 1751-1759.	1.0	18
9	Crystal structure of bromido-fac-tricarbonyl[5-phenyl-3-(pyridin-2-yl)-1H-1,2,4-triazole- $\eta^2$ N,N]rhenium(I). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, 587-589.	0.2	1
10	Anion-triggered structural diversity of binuclear-based Ag(I) coordination architectures and rich luminescence properties. <i>Inorganic Chemistry Communication</i> , 2014, 43, 126-130.	1.8	6
11	Recent developments in lanthanide-based luminescent probes. <i>Coordination Chemistry Reviews</i> , 2014, 273-274, 201-212.	9.5	267
12	Highly Efficient Near-Infrared Organic Light-Emitting Diode Based on a Butterfly-Shaped Donor-Acceptor Chromophore with Strong Solid-State Fluorescence and a Large Proportion of Radiative Excitons. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2119-2123.	7.2	604
13	Dynamic heteroleptic metal-phenanthroline complexes: from structure to function. <i>Dalton Transactions</i> , 2014, 43, 3815-3834.	1.6	117
14	Photoluminescence properties of three d <sup>10</sup> complexes constructed from the bifunctional benzimidazole-carboxylate-based connector. <i>Inorganica Chimica Acta</i> , 2014, 418, 8-14.	1.2	1
15	Six d <sup>10</sup> metal complexes containing multidentate dicyanoisophorone-triazolyl derivative: Structures and luminescent properties. <i>Journal of Molecular Structure</i> , 2014, 1068, 182-188.	1.8	4
16	Progress with, and prospects for, metal complexes in cell imaging. <i>Chemical Communications</i> , 2014, 50, 384-399.	2.2	172
17	Strongly emissive long-lived <sup>3</sup> IL excited state of coumarins in cyclometalated Ir(III) complexes used as triplet photosensitizers and application in triplet-triplet annihilation upconversion. <i>Dalton Transactions</i> , 2014, 43, 1672-1683.	1.6	37
19	Broadband Visible-Light Harvesting <i>trans</i> -Bis(alkylphosphine) Platinum(II)-Alkynyl Complexes with Singlet Energy Transfer between BODIPY and Naphthalene Diimide Ligands. <i>Chemistry - A European Journal</i> , 2014, 20, 14282-14295.	1.7	27
20	Synthesis, structure, characterization and photophysical properties of copper(I) complexes containing polypyridyl ligands. <i>RSC Advances</i> , 2014, 4, 42624-42631.	1.7	17

#	ARTICLE	IF	CITATIONS
21	Symmetrically Disubstituted Bithiophene Derivatives of 1,3,4-Oxadiazole, 1,3,4-Thiadiazole, and 1,2,4-Triazole – Spectroscopic, Electrochemical, and Spectroelectrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2014, 118, 25176-25189.	1.5	33
22	trans-Bis(alkylphosphine) platinum(II)-alkynyl complexes showing broadband visible light absorption and long-lived triplet excited states. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9720-9736.	2.7	33
23	Design, synthesis and excited-state properties of mononuclear Ru(II) complexes of tridentate heterocyclic ligands. <i>Chemical Society Reviews</i> , 2014, 43, 6184.	18.7	155
24	Cyclometalated Ir(III) complexes with styryl-BODIPY ligands showing near IR absorption/emission: preparation, study of photophysical properties and application as photodynamic/luminescence imaging materials. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2838-2854.	2.9	111
25	Activatable triplet photosensitizers: magic bullets for targeted photodynamic therapy. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5982-5997.	2.7	155
26	Oxidovanadium(IV), oxidomolybdenum(VI) and cobalt(III) complexes of o-phenylenediamine derivatives: oxidative dehydrogenation and photoluminescence. <i>Inorganic Chemistry Frontiers</i> , 2014, 1, 331-341.	3.0	5
27	The effect of the regioisomeric naphthalimide acetylde ligands on the photophysical properties of N <sup>N</sup> Pt(II) bisacetylde complexes. <i>Dalton Transactions</i> , 2014, 43, 13434.	1.6	20
28	Going beyond Red with a Tri- and Tetracoordinate Boron Conjugate: Intriguing Near-IR Optical Properties and Applications in Anion Sensing. <i>Inorganic Chemistry</i> , 2014, 53, 2343-2345.	1.9	39
29	Influence of the Side Chain Length on the Cellular Uptake and the Cytotoxicity of Rhenium Triscarbonyl Derivatives: A Bimodal Infrared and Luminescence Quantitative Study. <i>Chemistry - A European Journal</i> , 2014, 20, 8714-8722.	1.7	64
30	Porous Cu(I) Triazolite Framework and Derived Hybrid Membrane with Exceptionally High Sensing Efficiency for Gaseous Oxygen. <i>Advanced Functional Materials</i> , 2014, 24, 5866-5872.	7.8	81
31	Glycerol as Suitable Solvent for the Synthesis of Metallic Species and Catalysis. <i>Chemistry - A European Journal</i> , 2014, 20, 10884-10893.	1.7	48
32	Metal complexes with pyridyl azolates: Design, preparation and applications. <i>Coordination Chemistry Reviews</i> , 2014, 281, 1-25.	9.5	115
33	Luminescence Properties of 1,8-Naphthalimide Derivatives in Solution, in Their Crystals, and in Co-crystals: Toward Room-Temperature Phosphorescence from Organic Materials. <i>Journal of Physical Chemistry C</i> , 2014, 118, 18646-18658.	1.5	123
34	Os(II) Phosphors with Near-Infrared Emission Induced by Ligand-to-Ligand Charge Transfer Transition. <i>Inorganic Chemistry</i> , 2014, 53, 9366-9374.	1.9	36
35	Optical Chemosensors Based on Transmetalation of Salen-Based Schiff Base Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 3210-3219.	1.9	131
36	Robust optical oxygen sensors based on polymer-bound NIR-emitting platinum(II)-benzoporphyrins. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7589-7598.	2.7	42
37	A novel near-infrared-emitting cyclometalated platinum (II) complex with donor-acceptor-acceptor chromophores. <i>Dyes and Pigments</i> , 2014, 107, 146-152.	2.0	35
38	Tellurophenes and Their Emergence as Building Blocks for Polymeric and Light-emitting Materials. <i>Chemistry Letters</i> , 2015, 44, 730-736.	0.7	54

#	ARTICLE	IF	CITATIONS
41	Design, Synthesis, and Applications of Highly Phosphorescent Cyclometalated Platinum Complexes. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 1210-1245.	1.3	129
42	[Cr(ddpd) <sub>2</sub> ] <sup>3+</sup> : A Molecular, Water-Soluble, Highly NIR-Emissive Ruby Analogue. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11572-11576.	7.2	181
43	Identifying Solid Luminogens through Gold-Catalysed Intramolecular Hydroarylation of Alkynes. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4860-4867.	1.2	11
44	Enhancement of luminescence performance from the alteration of stacking patterns of Pt( <i>scpi</i> ) dendrimers. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2744-2750.	2.7	10
45	Efficient near-infrared-emitting cationic iridium complexes based on highly conjugated cyclometalated benzo[g]phthalazine derivatives. <i>RSC Advances</i> , 2015, 5, 42354-42361.	1.7	46
46	Organometallics and Related Molecules for Energy Conversion. <i>Green Chemistry and Sustainable Technology</i> , 2015, , .	0.4	4
48	Enhancement of near-infrared luminescence of ytterbium in triple-stranded binuclear helicates. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 30510-30517.	1.3	38
49	Synthesis and properties of novel near-infrared dye based on BODIPY and diketopyrrolopyrrole units. <i>Materials Letters</i> , 2015, 139, 130-133.	1.3	8
50	Luminescent Pt( <i>scpi</i> ) complexes bearing dual isoquinolinyl pyrazolates: fundamentals and applications. <i>Dalton Transactions</i> , 2015, 44, 8552-8563.	1.6	44
51	Metal-Carbonyl Units for Vibrational and Luminescence Imaging: Towards Multimodality. <i>Chemistry - A European Journal</i> , 2015, 21, 942-958.	1.7	71
52	Luminescent [Cu <sub>4</sub> I <sub>4</sub> ] aggregates and [Cu <sub>3</sub> I <sub>3</sub> ]-cyclic coordination polymers supported by quinolyl-triazoles. <i>Dalton Transactions</i> , 2015, 44, 6075-6081.	1.6	29
53	An easy-to-detect nona-arginine peptide for epidermal targeting. <i>Chemical Communications</i> , 2015, 51, 2687-2689.	2.2	27
54	1D Polymeric Platinum Cyanoximate: A Strategy toward Luminescence in the Near-Infrared Region beyond 1000 nm. <i>Inorganic Chemistry</i> , 2015, 54, 1890-1900.	1.9	39
55	Imaging oxygen in neural cell and tissue models by means of anionic cell-permeable phosphorescent nanoparticles. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 367-381.	2.4	49
56	Luminescent rhenium(I)-chromone bioconjugate: Synthesis, photophysical properties, and confocal luminescence microscopy investigation. <i>Journal of Organometallic Chemistry</i> , 2015, 782, 124-130.	0.8	22
57	Near-infrared-induced electron transfer of an uranyl macrocyclic complex without energy transfer to dioxygen. <i>Chemical Communications</i> , 2015, 51, 6757-6760.	2.2	16
58	Application of singlet energy transfer in triplet state formation: broadband visible light-absorbing triplet photosensitizers, molecular structure design, related photophysics and applications. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8735-8759.	2.7	42
59	Photophysical and DFT studies on cycloplatinated complexes: modification in luminescence properties by expanding of $\pi$ -conjugated systems. <i>RSC Advances</i> , 2015, 5, 57581-57591.	1.7	34

#	ARTICLE	IF	CITATIONS
60	DFT/TDDFT investigation on the electronic structures and photophysical properties of phosphorescent platinum(II) complexes with triarylboron/triaryl nitrogen-functionalized N-heterocyclic carbene chelate ligands. <i>Chemical Physics Letters</i> , 2015, 635, 217-223.	1.2	8
61	Novel helical assembly of a Pt(II) phenylbipyridine complex directed by metal-metal interaction and aggregation-induced circularly polarized emission. <i>Dalton Transactions</i> , 2015, 44, 13156-13162.	1.6	78
62	Progress in small-molecule luminescent materials for organic light-emitting diodes. <i>Science China Chemistry</i> , 2015, 58, 907-915.	4.2	98
63	Near infrared-emitting tris-bidentate Os(II) phosphors: control of excited state characteristics and fabrication of OLEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4910-4920.	2.7	52
64	The Literature of Heterocyclic Chemistry, Part XIII, 2012-2013. <i>Advances in Heterocyclic Chemistry</i> , 2015, 116, 193-363.	0.9	12
65	Synthesis and characterization of monometallic rhenium(I) complexes and their application as selective sensors for copper(II) ions. <i>RSC Advances</i> , 2015, 5, 38479-38488.	1.7	19
66	Mononuclear zinc(II), cadmium(II), cobalt(III) and di-nuclear nickel(II) complexes of a 14π electron diimine ligand: Syntheses, structures, photoluminescence and DFT investigations. <i>Inorganica Chimica Acta</i> , 2015, 430, 199-207.	1.2	7
67	Assembly of photoluminescent [Cu <sub>n</sub> I <sub>n</sub> ] (n = 4, 6 and 8) clusters by clickable hybrid [N,S] ligands. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 1011-1018.	3.0	25
68	Functionalized Salen ligands linking with non-conjugated bridges: unique and colorful aggregation-induced emission, mechanism, and applications. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11099-11110.	2.7	55
69	Synthesis, structure, characterization and luminescent properties of copper(I) complexes based on bis-diimine bridging ligands. <i>Inorganica Chimica Acta</i> , 2015, 437, 47-53.	1.2	12
70	Multicolor Luminescence from Conjugates of Genetically Encoded Elastin-like Polymers and Terpyridine-Lanthanides. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1856-1861.	1.1	9
71	The triplet excited state of Bodipy: formation, modulation and application. <i>Chemical Society Reviews</i> , 2015, 44, 8904-8939.	18.7	665
72	Efficient visible light-driven water oxidation catalyzed by an all-inorganic copper-containing polyoxometalate. <i>Chemical Communications</i> , 2015, 51, 17443-17446.	2.2	60
73	Fluorescent metal ion chemosensors via cation exchange reactions of complexes, quantum dots, and metal-organic frameworks. <i>Analyst</i> , 2015, 140, 7082-7115.	1.7	60
74	Highly emissive organic solids with remarkably broad color tunability based on N,C-chelate, four-coordinate organoborons. <i>Chemical Communications</i> , 2015, 51, 16115-16118.	2.2	90
75	NIR-emissive iridium(III) corrole complexes as efficient singlet oxygen sensitizers. <i>Dalton Transactions</i> , 2015, 44, 17767-17773.	1.6	41
76	Near-Infrared Polymer Light-Emitting Diodes with High Efficiency and Low Efficiency Roll-off by Using Solution-Processed Iridium(III) Phosphors. <i>Chemistry of Materials</i> , 2015, 27, 96-104.	3.2	122
77	Near-IR Phosphorescent Ruthenium(II) and Iridium(III) Perylene Bisimide Metal Complexes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1570-1573.	7.2	132

#	ARTICLE	IF	CITATIONS
78	A new copper species based on an azo-compound utilized as a homogeneous catalyst for water oxidation. Dalton Transactions, 2015, 44, 351-358.	1.6	39
79	Application of three-coordinate copper( <i>sc</i> ) complexes with halide ligands in organic light-emitting diodes that exhibit delayed fluorescence. Dalton Transactions, 2015, 44, 8369-8378.	1.6	128
80	Ratiometric fluorescent pH probes based on aggregation-induced emission-active salicylaldehyde azines. New Journal of Chemistry, 2015, 39, 492-500.	1.4	101
81	Integrated catheter system for continuous glucose measurement and simultaneous insulin infusion. Biosensors and Bioelectronics, 2015, 64, 102-110.	5.3	36
82	General Assembly of Twisted Trigonal-Prismatic Nonanuclear Silver(I) Clusters. Chemistry - A European Journal, 2016, 22, 3019-3028.	1.7	47
83	A new approach to polycyclic azaarenes: visible-light photolysis of vinyl azides in the synthesis of diazabenzopyrene and diazaperylene. Journal of Materials Chemistry C, 2016, 4, 7269-7276.	2.7	22
84	Synthesis, Structure, and Characterization of Emissive Neutral Dinuclear CuI Complexes with a Tetrphosphane Bridging Ligand. European Journal of Inorganic Chemistry, 2016, 2016, 3036-3041.	1.0	11
85	Dynamic neighbouring participation of nitrogen lone pairs on the chromogenic behaviour of trans-bis(salicylaldiminato)Pt(II) coordination platforms. Dalton Transactions, 2016, 45, 19257-19268.	1.6	4
86	Osmium-nitrido corroles as NIR indicators for oxygen sensors and triplet sensitizers for organic upconversion and singlet oxygen generation. Journal of Materials Chemistry C, 2016, 4, 5822-5828.	2.7	52
87	Benzotriazole-containing donor-acceptor type cyclometalated iridium(III) complex for solution-processed near-infrared polymer light emitting diodes. Dyes and Pigments, 2016, 131, 231-238.	2.0	34
88	Cerium Photosensitizers: Structure-Function Relationships and Applications in Photocatalytic Aryl Coupling Reactions. Journal of the American Chemical Society, 2016, 138, 5984-5993.	6.6	126
89	SPIO@SiO <sub>2</sub> -Re@PEG nanoparticles as magneto-optical dual probes and sensitizers for photodynamic therapy. RSC Advances, 2016, 6, 38521-38532.	1.7	9
90	Dinuclear platinum complexes containing aryl-isoquinoline and oxadiazole-thiol with an efficiency of over 8.8%: in-depth investigation of the relationship between their molecular structure and near-infrared electroluminescent properties in PLEDs. Journal of Materials Chemistry C, 2016, 4, 6007-6015.	2.7	76
91	Near-Infrared Emitters: Stepwise Assembly of Two Heteropolynuclear Clusters with Tunable Ag <sup>I</sup> :Zn <sup>II</sup> Ratio. Inorganic Chemistry, 2016, 55, 4757-4763.	1.9	35
92	Phosphorescence of free base corroles. RSC Advances, 2016, 6, 43911-43915.	1.7	16
93	1-D Platinum Wire-Stacking Structure Built of Platinum(II) Diimine Bis(Īf-acetylide) Units with Luminescence in the NIR Region. Inorganic Chemistry, 2016, 55, 10208-10217.	1.9	41
94	Novel gold( <i>sc</i> ) diphosphine-based dimers with aurophilicity triggered multistimuli light-emitting properties. Journal of Materials Chemistry C, 2016, 4, 10253-10264.	2.7	26
95	A Ru(bipyridine) <sub>3</sub> [PF <sub>6</sub> ] <sub>2</sub> Complex with a Rhodamine Unit - Synthesis, Photophysical Properties, and Application in Acid-Controllable Triplet-Triplet Annihilation Upconversion. European Journal of Inorganic Chemistry, 2016, 2016, 5079-5088.	1.0	8

#	ARTICLE	IF	CITATIONS
96	Phosphorescent Molecular Butterflies with Controlled Potential-Energy Surfaces and Their Application as Luminescent Viscosity Sensor. <i>Inorganic Chemistry</i> , 2016, 55, 8564-8569.	1.9	38
97	Yellow to greenish-blue colour-tunable photoluminescence and 4f-centered slow magnetic relaxation in a cyanido-bridged Dy <sup>III</sup> (4-hydroxypyridine) <sup>Co</sup> layered material. <i>Chemical Communications</i> , 2016, 52, 10795-10798.	2.2	58
98	Accessing the Long-Lived Triplet Excited States in Transition-Metal Complexes: Molecular Design Rationales and Applications. <i>Chemical Record</i> , 2016, 16, 173-188.	2.9	36
99	A Class of Multiresponsive Colorimetric and Fluorescent pH Probes via Three Different Reaction Mechanisms of Salen Complexes: A Selective and Accurate pH Measurement. <i>Inorganic Chemistry</i> , 2016, 55, 9221-9229.	1.9	40
100	Metal Complexes with Azolate-Functionalized Multidentate Ligands: Tactical Designs and Optoelectronic Applications. <i>Chemistry - A European Journal</i> , 2016, 22, 17892-17908.	1.7	64
101	Triboluminescence and Metal Phosphor for Organic Light-Emitting Diodes: Functional Pt(II) Complexes with Both 2-Pyridylimidazol-2-ylidene and Bipyrazolate Chelates. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 33888-33898.	4.0	48
102	The Hexachloroacetate(III) Anion: A Potent, Benchtop Stable, and Readily Available Ultraviolet A Photosensitizer for Aryl Chlorides. <i>Journal of the American Chemical Society</i> , 2016, 138, 16266-16273.	6.6	107
103	Synthesis and photophysical properties of C <sub>3</sub> -symmetric tris(pyridyl)truxene scaffolds of Ru( <sup>ii</sup> ) and Re( <sup>i</sup> ). <i>Chemical Communications</i> , 2016, 52, 12159-12162.	2.2	6
104	The Rise of Near-Infrared Emitters: Organic Dyes, Porphyrinoids, and Transition Metal Complexes. <i>Topics in Current Chemistry</i> , 2016, 374, 47.	3.0	58
105	One-Pot Conversion of Fluorophores to Phosphorophores. <i>Organic Letters</i> , 2016, 18, 5840-5843.	2.4	31
106	Unusual Aggregation/Gelation-Induced Phosphorescence of Propeller-Type Binuclear Platinum(II) Enantiomers. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4862-4866.	1.0	40
107	New phosphorescent platinum( <sup>ii</sup> ) complexes: lamellar mesophase and mechanochromism. <i>New Journal of Chemistry</i> , 2016, 40, 10371-10377.	1.4	21
108	A Phosphorescent Platinum(II) Bipyridyl Supramolecular Polymer Based on Quadruple Hydrogen Bonds. <i>Chemistry - A European Journal</i> , 2016, 22, 18132-18139.	1.7	23
109	Intriguingly tuning the fluorescence of AIEgen using responsive polyelectrolyte microspheres. <i>RSC Advances</i> , 2016, 6, 107622-107627.	1.7	10
110	Implementing Metal-Ligand Charge Transfer in Organic Semiconductor for Improved Visible-Near-Infrared Photocatalysis. <i>Advanced Materials</i> , 2016, 28, 6959-6965.	11.1	268
111	Near-IR Emitting Iridium(III) Complexes with Heteroaromatic $\beta$ -diketonate Ancillary Ligands for Efficient Solution-Processed OLEDs: Structure-Property Correlations. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2714-2718.	7.2	126
112	Near-IR Emitting Iridium(III) Complexes with Heteroaromatic $\beta$ -diketonate Ancillary Ligands for Efficient Solution-Processed OLEDs: Structure-Property Correlations. <i>Angewandte Chemie</i> , 2016, 128, 2764-2768.	1.6	23
113	Protection of densely populated excited triplet state ensembles against deactivation by molecular oxygen. <i>Chemical Society Reviews</i> , 2016, 45, 4668-4689.	18.7	105

#	ARTICLE	IF	CITATIONS
114	Perylene diimide derivatives as red and deep red-emitters for fully solution processable OLEDs. RSC Advances, 2016, 6, 61175-61179.	1.7	76
115	Excited state decay of cyclometalated polypyridine ruthenium complexes: insight from theory and experiment. Dalton Transactions, 2016, 45, 13631-13647.	1.6	63
116	Enhanced room-temperature phosphorescence of triphenylphosphine derivatives without metal and heavy atoms in their crystal phase. RSC Advances, 2016, 6, 51683-51686.	1.7	22
117	Near-Infrared Phosphorescent Iridium(III) Benzenorrole Complexes Possessing Pyridine-based Axial Ligands. Inorganic Chemistry, 2016, 55, 6223-6230.	1.9	23
118	Near Infrared Phosphorescent, Non-oxidizable Palladium and Platinum Perfluoro-phthalocyanines. ChemPhysChem, 2016, 17, 1123-1135.	1.0	12
119	Large-scale synthesis of N-doped carbon quantum dots and their phosphorescence properties in a polyurethane matrix. Nanoscale, 2016, 8, 4742-4747.	2.8	252
120	Synthesis and photophysical properties of isocyano Ruthenium(II) quinoline-8-thiolate complexes with visible-light and near-infrared emission. Journal of Organometallic Chemistry, 2016, 804, 101-107.	0.8	2
121	Ligand Coordination Site-Directed Assembly of Copper(I) Iodide Complexes of ((Pyridyl)-1-pyrazolyl)pyridine. Crystal Growth and Design, 2016, 16, 1617-1625.	1.4	54
122	Fabrication of a Homogeneous, Integrated, and Compact Film of Organic-Inorganic Hybrid Ni(en) <sub>3</sub> Ag <sub>2</sub> I <sub>4</sub> with Near-Infrared Absorbance and Semiconducting Features. Inorganic Chemistry, 2016, 55, 1230-1235.	1.9	12
123	Solution-Processable Silicon Phthalocyanines in Electroluminescent and Photovoltaic Devices. ACS Applied Materials & Interfaces, 2016, 8, 9247-9253.	4.0	56
124	Highly selective sensing of ClO <sub>4</sub> <sup>-</sup> in water with a simple cationic iridium(III) complex and its application in bioimaging. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 324, 1-7.	2.0	6
125	Integration of acetylenic carbon clusters and silver clusters: template synthesis and stability enhancement. Chemical Communications, 2016, 52, 5682-5685.	2.2	10
126	Giant enhancement of upconversion emission in NaYF <sub>4</sub> :Er <sup>3+</sup> @NaYF <sub>4</sub> :Yb <sup>3+</sup> active-core/active-shell nanoparticles. RSC Advances, 2016, 6, 22845-22851.	1.7	17
127	Achieving near-infrared emission in platinum( <i>scp</i> ) complexes by using an extended donor-acceptor-type ligand. Dalton Transactions, 2016, 45, 5071-5080.	1.6	24
128	Fluorescence Aggregation-Caused Quenching versus Aggregation-Induced Emission: A Visual Teaching Technology for Undergraduate Chemistry Students. Journal of Chemical Education, 2016, 93, 345-350.	1.1	258
129	Highly red-shifted NIR emission from a novel anthracene conjugated polymer backbone containing Pt( <i>scp</i> ) porphyrins. Polymer Chemistry, 2016, 7, 722-730.	1.9	18
130	Photophysical properties and pH sensing applications of luminescent salicylaldehyde derivatives. Research on Chemical Intermediates, 2016, 42, 5027-5048.	1.3	22
131	Emissive bis-tridentate Ir(III) metal complexes: Tactics, photophysics and applications. Coordination Chemistry Reviews, 2017, 346, 91-100.	9.5	130

#	ARTICLE	IF	CITATIONS
132	Luminescent Pt(II) complexes featuring imidazolylidene-pyridylidene and dianionic bipyrazolate: from fundamentals to OLED fabrications. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1420-1435.	2.7	37
133	Synthesis, photophysical and concentration-dependent tunable lasing behavior of 2,6-diacetylenyl-functionalized BODIPY dyes. <i>New Journal of Chemistry</i> , 2017, 41, 2296-2308.	1.4	26
134	Novel columnar metallomesogens based on cationic platinum(II) complexes without long peripheral chains. <i>RSC Advances</i> , 2017, 7, 11389-11393.	1.7	12
135	Remote Terpyridine Integrated NHC-Ir(III) Luminophores as Potential Dual-Emissive Ratiometric O <sub>2</sub> Probes. <i>Chemistry - A European Journal</i> , 2017, 23, 4770-4773.	1.7	17
136	Anion-templated nanosized silver clusters protected by mixed thiolate and diphosphine. <i>Nanoscale</i> , 2017, 9, 3601-3608.	2.8	71
137	Iridium(III)-Doped Core-Shell Silica Nanoparticles: Near-IR Electrogenerated Chemiluminescence in Water. <i>ChemElectroChem</i> , 2017, 4, 1690-1696.	1.7	14
138	Near-infrared E <sub>2g</sub> and visible LMCT luminescence from a molecular bis-(tris(carbene)borate) manganese(IV) complex. <i>Canadian Journal of Chemistry</i> , 2017, 95, 547-552.	0.6	52
139	A water-soluble cationic Ir(III) complex for turn-on sensing of ClO <sub>4</sub> <sup>-</sup> based on aggregation-induced emission. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 599-604.	4.0	20
140	Efficient near-infrared emitting tetradentate bis-cyclometalated platinum (IV) complexes for solution-processed polymer light-emitting diodes. <i>Dyes and Pigments</i> , 2017, 142, 457-464.	2.0	19
141	Non-conjugated fluorescent molecular cages of salicylaldehyde-based tri-Schiff bases: AIE, enantiomers, mechanochromism, anion hosts/probes, and cell imaging properties. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1041-1050.	3.2	51
142	Binuclear Ru-Ru and Ir-Ru complexes for deep red emission and photocatalytic water reduction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9807-9814.	5.2	22
143	Pt(II) Complexes with Azolate-containing Bidentate Chelate: Design, Photophysics, and Application. <i>Journal of the Chinese Chemical Society</i> , 2017, 64, 574-588.	0.8	14
144	Thermo-Chromium: A Contactless Optical Molecular Thermometer. <i>Chemistry - A European Journal</i> , 2017, 23, 12131-12135.	1.7	72
145	A near-infrared organic light-emitting diode based on an Yb(III) complex synthesized by vacuum co-deposition. <i>Chemical Communications</i> , 2017, 53, 5457-5460.	2.2	31
146	Achieving NIR emission for tetradentate platinum (II) salophen complexes by attaching dual donor-accepter frameworks in the heads of salophen. <i>Dyes and Pigments</i> , 2017, 138, 100-106.	2.0	19
147	Homoleptic Facial Ir(III) Complexes via Facile Synthesis for High-Efficiency and Low-Roll-Off Near-Infrared Organic Light-Emitting Diodes over 750 nm. <i>Chemistry of Materials</i> , 2017, 29, 4775-4782.	3.2	138
148	Iridium(III)-Doped Core-Shell Silica Nanoparticles: Near-IR Electrogenerated Chemiluminescence in Water. <i>ChemElectroChem</i> , 2017, 4, 1570-1570.	1.7	0
149	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

#	ARTICLE	IF	CITATIONS
150	Recent developments on optical and electrochemical sensing of copper(II) ion based on transition metal complexes. <i>Coordination Chemistry Reviews</i> , 2017, 343, 278-307.	9.5	94
151	Binuclear platinum(II) complexes based on 2-mercaptobenzothiazole 2-mercaptobenzimidazole and 2-hydroxypyridine as bridging ligands: Red and near-infrared luminescence originated from MMLCT transition. <i>Dyes and Pigments</i> , 2017, 145, 144-151.	2.0	16
152	Upper limit to the ultimate achievable emission wavelength in near-IR emitting cyclometalated iridium complexes. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1220-1223.	1.6	17
153	Photoluminescence of self-assembled Ag( <i>scp</i> ) and Au( <i>scp</i> ) N-heterocyclic carbene complexes. Interplay the aurophilic, hydrogen bonding and hydrophobic interactions. <i>RSC Advances</i> , 2017, 7, 14611-14617.	1.7	12
154	Photophysical behavior of systematically substituted (di-2-pyridylaminomethyl) benzene ligands and its Re(I) complexes: A combined experimental and theoretical approach. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 341, 115-126.	2.0	8
155	Theory and Calculation of the Phosphorescence Phenomenon. <i>Chemical Reviews</i> , 2017, 117, 6500-6537.	23.0	420
156	pH-Switchable $\text{On-Off}$ Near-Infrared Luminescence Based on a Dinuclear Ruthenium(II) Complex. <i>Inorganic Chemistry</i> , 2017, 56, 4775-4779.	1.9	35
157	Achieving yellow emission by varying the donor/acceptor units in rod-shaped fluorenyl-alkynyl based $\text{I}^{\text{I}}$ -conjugated oligomers and their binuclear gold( <i>scp</i> ) alkynyl complexes. <i>Dalton Transactions</i> , 2017, 46, 5918-5929.	1.6	23
158	Luminescent agostic Cu(I) complexes containing both trigonal planar and tetrahedral coordination modes. <i>Inorganica Chimica Acta</i> , 2017, 457, 107-115.	1.2	17
159	Highly selective detection of picric acid from multicomponent mixtures of nitro explosives by using COP luminescent probe. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 753-760.	4.0	56
160	Singly and Doubly N-Confused Calix[4]phyrin Organoplatinum(II) Complexes as Near-IR Triplet Sensitizers. <i>Inorganic Chemistry</i> , 2017, 56, 12572-12580.	1.9	32
161	Dual phosphorescence emission of dinuclear platinum( <i>scp</i> ) complex incorporating cyclometallating pyrenyl-dipyridine-based ligand and its application in near-infrared solution-processed polymer light-emitting diodes. <i>Dalton Transactions</i> , 2017, 46, 16257-16268.	1.6	18
162	High Efficiency Near-Infrared Fluorescent Organic Light-Emitting Diodes with Small Efficiency Roll-Off: A Combined Design from Emitters to Devices. <i>Advanced Functional Materials</i> , 2017, 27, 1703283.	7.8	48
163	Pyridal[2,1,3]thiadiazole as strong electron-withdrawing and less sterically-hindered acceptor for highly efficient donor-acceptor type NIR materials. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11053-11058.	2.7	32
164	Two-Photon In Vivo Imaging with Porous Silicon Nanoparticles. <i>Advanced Materials</i> , 2017, 29, 1703309.	11.1	66
165	Chiral and non-conjugated fluorescent salen ligands: AIE, anion probes, chiral recognition of unprotected amino acids, and cell imaging applications. <i>RSC Advances</i> , 2017, 7, 40640-40649.	1.7	37
166	Rational design of NIR-emitting iridium( <i>scp</i> ) complexes for multimodal phosphorescence imaging of mitochondria under two-photon excitation. <i>Chemical Communications</i> , 2017, 53, 10374-10377.	2.2	48
167	Afterglow Luminescence in Wet-Chemically Synthesized Inorganic Materials: Ultra-Long Room Temperature Phosphorescence Instead of Persistent Luminescence. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4735-4739.	2.1	16

#	ARTICLE	IF	CITATIONS
168	A Twisted Bayâ€Substituted Quaternary Phosphorescing in the <sc>NIR</sc> Spectral Region. Helvetica Chimica Acta, 2017, 100, e1700192.	1.0	7
169	Octahedral Yb(<sc>iii</sc>) complexes embedded in [Co<sup>III</sup>(CN)<sub>6</sub>]-bridged coordination chains: combining sensitized near-infrared fluorescence with slow magnetic relaxation. Dalton Transactions, 2017, 46, 13668-13672.	1.6	37
170	Synthesis, Structures, and Photophysical Properties of a Series of Rare Near-IR Emitting Copper(I) Complexes. Inorganic Chemistry, 2017, 56, 8996-9008.	1.9	62
171	Colloidal PbS quantum dot-AlPO4 nanoporous glass composites: Controllable emission and nonlinear absorption. Journal of Luminescence, 2017, 192, 675-683.	1.5	10
172	Efficient Nearâ€Infrared (NIR) Organic Lightâ€Emitting Diodes Based on Donorâ€Acceptor Architecture: An Improved Emissive State from Mixing to Hybridization. Advanced Optical Materials, 2017, 5, 1700441.	3.6	71
173	Post-polymerization Câ€H Borylation of Donorâ€Acceptor Materials Gives Highly Efficient Solid State Near-Infrared Emitters for Near-IR-OLEDs and Effective Biological Imaging. ACS Applied Materials & Interfaces, 2017, 9, 28243-28249.	4.0	53
174	Synthesis, structure and properties of a new NH-1,2,3-triazole-based octanuclear copper(II) complex. Inorganic Chemistry Communication, 2017, 84, 159-163.	1.8	4
175	Photoluminescence properties of TADF-emitting three-coordinate silver(<sc>i</sc>) halide complexes with diphosphine ligands: a comparison study with copper(<sc>i</sc>) complexes. Dalton Transactions, 2017, 46, 12446-12455.	1.6	37
176	Ultrafast Electron Dynamics in Solar Energy Conversion. Chemical Reviews, 2017, 117, 10940-11024.	23.0	266
177	Tetradentate Pt(II) 3,6-substitued salophen complexes: Synthesis and tuning emission from deep-red to near infrared by appending donor-acceptor framework. Organic Electronics, 2017, 50, 317-324.	1.4	21
178	Long-lasting phosphorescence with a tunable color in a Mn<sup>2+</sup>-doped anionic metalâ€organic framework. Journal of Materials Chemistry C, 2017, 5, 7898-7903.	2.7	56
179	Narrowband Organic Photodiodes Based on Green Light Sensitive Squarylium. Journal of Physical Chemistry C, 2017, 121, 15333-15338.	1.5	37
180	Nearâ€Infrared Electrophosphorescence up to 1.1 Åµm using a Thermally Activated Delayed Fluorescence Molecule as Triplet Sensitizer. Advanced Materials, 2017, 29, 1604265.	11.1	51
181	Recent Progress in Ionic Iridium(III) Complexes for Organic Electronic Devices. Advanced Materials, 2017, 29, 1603253.	11.1	224
182	Molecular imaging of the tumor microenvironment. Advanced Drug Delivery Reviews, 2017, 113, 24-48.	6.6	175
183	Near-infrared organic light-emitting diodes with very high external quantum efficiency and radiance. Nature Photonics, 2017, 11, 63-68.	15.6	494
184	Highly reliable benzothiophene-phenylquinoline based heteroleptic Ir(III) complexes; The solution process NIR phosphorescence organic light-emitting diodes. Molecular Crystals and Liquid Crystals, 2017, 654, 62-72.	0.4	3
185	Lanthanide Photoluminescence in Heterometallic Polycyanidometallate-Based Coordination Networks. Molecules, 2017, 22, 1902.	1.7	52

#	ARTICLE	IF	CITATIONS
186	Phosphorescence: Room-Temperature $\pi$ - $\pi^*$ , 2018, , .		0
187	Survey of short and long cuprophilic d <sup>10</sup> -d <sup>10</sup> contacts for tetranuclear copper clusters. Understanding of bonding and ligand role from a planar superatom perspective. <i>New Journal of Chemistry</i> , 2018, 42, 8874-8881.	1.4	5
188	Unusual Circularly Polarized and Aggregation-Induced Near-Infrared Phosphorescence of Helical Platinum(II) Complexes with Tetradentate Salen Ligands. <i>Chemistry - A European Journal</i> , 2018, 24, 7128-7132.	1.7	66
189	Understanding and exploiting long-lived near-infrared emission of a molecular ruby. <i>Coordination Chemistry Reviews</i> , 2018, 359, 102-111.	9.5	114
190	Cyclometalated N-heterocyclic carbene iridium( $\lambda$ ) complexes with naphthalimide chromophores: a novel class of phosphorescent heteroleptic compounds. <i>Dalton Transactions</i> , 2018, 47, 3440-3451.	1.6	23
191	Core-shell structured Cs <sub>x</sub> WO <sub>3</sub> @ZnO with excellent stability and high performance on near-infrared shielding. <i>Ceramics International</i> , 2018, 44, 2738-2744.	2.3	42
192	Deuterierter molekularer Rubin mit Rekord-Lumineszenzquantenausbeute. <i>Angewandte Chemie</i> , 2018, 130, 1125-1130.	1.6	21
193	Encapsulation-induced emission enhancement (EIEE) of Eu( $\lambda$ )-complexes by aromatic micelles in water. <i>Chemical Communications</i> , 2018, 54, 956-959.	2.2	25
194	Influence of Intermolecular Interactions and Axial Ligands on the Absorption Spectra of Metallophthalocyanines in Solid-State Matrices. <i>Journal of Applied Spectroscopy</i> , 2018, 85, 1-8.	0.3	5
195	Dinuclear platinum( $\lambda$ ) complex dominated by a zig-zag-type cyclometalated ligand: a new approach to realize high-efficiency near infrared emission. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5769-5777.	2.7	33
196	Efficient near-infrared emission of $\pi$ -extended cyclometalated iridium complexes based on pyrene in solution-processed polymer light-emitting diode. <i>Chemical Physics Letters</i> , 2018, 699, 99-106.	1.2	23
197	Photophysical and electrochemical properties of organic molecules: Solvatochromic effect and DFT studies. <i>Optical Materials</i> , 2018, 77, 211-220.	1.7	15
198	An efficient and weak efficiency-roll-off near-infrared (NIR) polymer light-emitting diode (PLED) based on a PVK-supported Zn <sup>2+</sup> -Yb <sup>3+</sup> -containing metallopolymer. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4114-4121.	2.7	23
199	Near-infrared emission of dinuclear iridium complexes with hole/electron transporting bridging and their monomer in solution-processed organic light-emitting diodes. <i>Dyes and Pigments</i> , 2018, 149, 315-322.	2.0	37
200	Have ambipolar carrier transmission property based on novel platinum(II) complexes: Synthesis, photophysical properties, liquid crystalline characteristics, polarized luminescence. <i>Dyes and Pigments</i> , 2018, 149, 82-91.	2.0	20
201	Preparation and characterization by infrared emission spectroscopy and applications of new mineral-based composite materials of biomedical interest. <i>Applied Spectroscopy Reviews</i> , 2018, 53, 439-485.	3.4	1
202	Solution processible yellow-emitting iridium complexes based on furo[3,2-c]pyridine ligand. <i>Organic Electronics</i> , 2018, 53, 191-197.	1.4	5
203	Triplet emitters versus TADF emitters in OLEDs: A comparative study. <i>Polyhedron</i> , 2018, 140, 51-66.	1.0	61

#	ARTICLE	IF	CITATIONS
204	Chemically diverse small molecule fluorescent chemosensors for copper ion. <i>Coordination Chemistry Reviews</i> , 2018, 357, 50-104.	9.5	304
205	Deuterated Molecular Ruby with Record Luminescence Quantum Yield. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1112-1116.	7.2	94
206	Benzothiazole-Based Cycloplatinated Chromophores: Synthetic, Optical, and Biological Studies. <i>Chemistry - A European Journal</i> , 2018, 24, 2440-2456.	1.7	33
207	Visible-Light Photoactive, Highly Efficient Triplet Sensitizers Based on Iodinated Aza-BODIPYs: Synthesis, Photophysics and Redox Properties. <i>Chemistry - an Asian Journal</i> , 2018, 13, 55-65.	1.7	16
208	Achieving white light emission and increased magnetic anisotropy by transition metal substitution in functional materials based on dinuclear Dy <sup>III</sup> (4-pyridone)[M <sup>III</sup> (CN) <sub>6</sub> ] <sup>3-</sup> (M = Co, Rh) molecules. <i>Journal of Materials Chemistry C</i> , 2018, 6, 473-481.	2.7	44
209	Rational design of near-infrared dyes based on boron dipyrromethene derivatives for application in organic solar cells. <i>RSC Advances</i> , 2018, 8, 33659-33665.	1.7	7
210	Aza-BODIPY based polymeric nanoparticles for cancer cell imaging. <i>RSC Advances</i> , 2018, 8, 39248-39255.	1.7	21
211	Dynamic Disorder, Band Gap Widening, and Persistent Near-IR Photoluminescence up to At Least 523 K in As <sub>3</sub> Perovskites (A = Cs, CH <sub>3</sub> NH <sub>3</sub> ) <a href="#">Tj ETQq1.1 0.784314 rgB / 26</a> 26353-26361.	1.5	26
212	Solvent-Dependent Sensitization of Ytterbium and Neodymium via an Intramolecular Excimer. <i>Inorganic Chemistry</i> , 2018, 57, 15399-15405.	1.9	14
213	Conductive and photoactive nature of conjugated polymer based on thiophene functionalized thiazole or benzothiadiazole. <i>EXPRESS Polymer Letters</i> , 2018, 12, 238-255.	1.1	10
214	Smart Design on the Cyclometalated Ligands of Iridium(III) Complexes for Facile Tuning of Phosphorescence Color Spanning from Deep-Blue to Near-Infrared. <i>Advanced Optical Materials</i> , 2018, 6, 1800824.	3.6	42
215	Aerobic Solid State Red Phosphorescence from Benzobismole Monomers and Patternable Self-Assembled Block Copolymers. <i>Angewandte Chemie</i> , 2018, 130, 15057-15062.	1.6	14
216	A pyrene-functionalized polytyrosine exhibiting aggregation-induced emission and capable of dispersing carbon nanotubes and hydrogen bonding with P4VP. <i>Polymer</i> , 2018, 156, 10-21.	1.8	11
217	Aerobic Solid State Red Phosphorescence from Benzobismole Monomers and Patternable Self-Assembled Block Copolymers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14841-14846.	7.2	61
218	Chemistry-on-the-complex-functional Ru <sup>II</sup> polypyridyl-type sensitizers as divergent building blocks. <i>Chemical Society Reviews</i> , 2018, 47, 7577-7627.	18.7	78
219	A hexadecanuclear silver alkynyl cluster based NbO framework with triple emissions from the visible to near-infrared II region. <i>Chemical Communications</i> , 2018, 54, 11905-11908.	2.2	35
221	Molekularer Rubin unter Druck. <i>Angewandte Chemie</i> , 2018, 130, 11236-11240.	1.6	11
222	Achieving NIR Emission for Donor-Acceptor Type Platinum(II) Complexes by Adjusting Coordination Position with Isomeric Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 14208-14217.	1.9	31

#	ARTICLE	IF	CITATIONS
223	Tetradentate Cyclometalated Platinum(II) Complexes for Efficient and Stable Organic Light-Emitting Diodes. , 0, , .		4
224	Substituents engineered deep-red to near-infrared phosphorescence from tris-heteroleptic iridium( <i>iii</i> ) complexes for solution processable red-NIR organic light-emitting diodes. Journal of Materials Chemistry C, 2018, 6, 10640-10658.	2.7	55
225	Efficient near-infrared (NIR) polymer light-emitting diodes (PLEDs) based on heteroleptic iridium( <i>iii</i> ) complexes with post-modification effects of intramolecular hydrogen bonding or BF <sub>2</sub> -chelation. Journal of Materials Chemistry C, 2018, 6, 10589-10596.	2.7	46
226	A graphene quantum dot-based multifunctional two-photon nanoprobe for the detection and imaging of intracellular glutathione and enhanced photodynamic therapy. Analyst, The, 2018, 143, 4967-4973.	1.7	51
227	Aggregation-induced near-infrared emitting platinum( <i>ii</i> ) terpyridyl complex: cellular characterisation and lysosome-specific localisation. Chemical Communications, 2018, 54, 11144-11147.	2.2	44
228	Ddpd as Expanded Terpyridine: Dramatic Effects of Symmetry and Electronic Properties in First Row Transition Metal Complexes. Inorganics, 2018, 6, 86.	1.2	41
229	Facile Synthesis, Triplet-State Properties, and Electrochemistry of Hexaiodo-subphthalocyanine. Chemistry - A European Journal, 2018, 24, 17080-17090.	1.7	16
230	A dibenzo[ <i>a,c</i> ]phenazine-11,12-dicarbonitrile (DBPzDCN) acceptor based thermally activated delayed fluorescent compound for efficient near-infrared electroluminescent devices. Journal of Materials Chemistry C, 2018, 6, 6698-6704.	2.7	62
231	Hybrid organic-inorganic connectivity of Nd <sup>III</sup> (pyrazine- <i>N,N</i> -dioxide)[Co <sup>III</sup> (CN) <sub>6</sub> ] <sup>3-</sup> showing field-induced slow magnetic relaxation. Dalton Transactions, 2018, 47, 7870-7874.	1.6	22
232	Nonadiabatic Curve-Crossing Model for the Visible-Light Photoredox Catalytic Generation of Radical Intermediate via a Concerted Mechanism. ACS Catalysis, 2018, 8, 7388-7396.	5.5	17
233	Molecular Ruby under Pressure. Angewandte Chemie - International Edition, 2018, 57, 11069-11073.	7.2	45
234	Iridium(III) Complexes Bearing Tridentate Chromophoric Chelate: Phosphorescence Fine-Tuned by Phosphine and Hydride Ancillary. Inorganic Chemistry, 2018, 57, 8287-8298.	1.9	21
235	Solvent-Induced and Temperature-Promoted Aggregation of Bipyridine Platinum(II) Triangular Metallacycles and Their Near-Infrared Emissive Behaviors. Chemistry - A European Journal, 2018, 24, 11611-11618.	1.7	20
236	Near-Infrared Phosphorescent Supramolecular Alkyl/Aryl-Iridium Porphyrin Assemblies by Axial Coordination. Chemistry - A European Journal, 2018, 24, 14400-14408.	1.7	9
237	New red-emitting Schiff base chelates: promising dyes for sensing and imaging of temperature and oxygen via phosphorescence decay time. Journal of Materials Chemistry C, 2018, 6, 8999-9009.	2.7	35
238	Zn <sub>2</sub> Yb-Grafted and star-shaped metallopolymer for efficient near-infrared (NIR) polymer light-emitting diodes (PLEDs). Journal of Materials Chemistry C, 2018, 6, 8950-8957.	2.7	11
239	Tuning photophysical properties of phosphorescent benzoporphyrin complexes via 1-step $\pi$ -extension. Dyes and Pigments, 2018, 159, 610-618.	2.0	3
240	A cationic organoiridium( <i>iii</i> ) complex-based AIEgen for selective light-up detection of rRNA and nucleolar staining. Dalton Transactions, 2018, 47, 11477-11490.	1.6	28

#	ARTICLE	IF	CITATIONS
241	Near-Infrared Emitting Materials via Harvesting Triplet Excitons: Molecular Design, Properties, and Application in Organic Light Emitting Diodes. <i>Advanced Optical Materials</i> , 2018, 6, 1800466.	3.6	139
242	Interplay between the Conformational Flexibility and Photoluminescent Properties of Mononuclear Pyridinophanecopper(I) Complexes. <i>Inorganic Chemistry</i> , 2018, 57, 10009-10027.	1.9	11
243	A Strongly Luminescent Chromium(III) Complex Acid. <i>Chemistry - A European Journal</i> , 2018, 24, 12555-12563.	1.7	39
244	Recent Developments in AIEgens for Non-doped and TADF OLEDs. <i>Israel Journal of Chemistry</i> , 2018, 58, 874-888.	1.0	41
245	Multiple Hydrogen Bonds Promoted ESIPT and AIE-active Chiral Salicylaldehyde Hydrazide. <i>Chinese Journal of Chemistry</i> , 2018, 36, 698-707.	2.6	32
246	Nonconjugated Fluorescent Molecular Cages of Trinuclear Fluoroborate Complexes with Salicylaldehyde-Based Schiff Base Ligands. <i>ACS Omega</i> , 2018, 3, 8992-9002.	1.6	13
247	Recent progress in coordination chemistry, photo-physical properties, and applications of pyridine-based Cu(I) complexes. <i>Journal of Coordination Chemistry</i> , 2018, 71, 3045-3076.	0.8	26
248	Enhanced Electroluminescence Efficiency in Metal Halide Nanocluster Based Light Emitting Diodes through Apical Halide Exchange. <i>ACS Applied Energy Materials</i> , 2018, 1, 3587-3592.	2.5	7
249	Pyrrolopyrrole aza boron dipyrromethene based two-photon fluorescent probes for subcellular imaging. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5570-5581.	2.9	18
250	Photoinduced Dynamics of Bis-dipyrinato-palladium(II) and Porphodimethenato-palladium(II) Complexes: Governing Near Infrared Phosphorescence by Structural Restriction. <i>Inorganic Chemistry</i> , 2018, 57, 12480-12488.	1.9	23
251	An anionic phthalocyanine decreases NRAS expression by breaking down its RNA G-quadruplex. <i>Nature Communications</i> , 2018, 9, 2271.	5.8	55
252	Cerium(III) complexes with azolyl-substituted thiophenolate ligands: synthesis, structure and red luminescence. <i>RSC Advances</i> , 2019, 9, 24110-24116.	1.7	8
253	Amplified Heavy-Atom Free Phosphorescence from <i>meta</i> -Dimethoxy Difluoroboron $\hat{I}^2$ -Diketonate Charge-Transfer Materials. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20488-20496.	1.5	18
254	Facile synthesis of a micro-scale MOF host-guest with long-lasting phosphorescence and enhanced optoelectronic performance. <i>Chemical Communications</i> , 2019, 55, 11099-11102.	2.2	140
255	Realization of Highly Efficient Red Phosphorescence from Bis-Tridentate Iridium(III) Phosphors. <i>Inorganic Chemistry</i> , 2019, 58, 10944-10954.	1.9	33
256	Boosting Oxygen Evolution Kinetics by Mn-N-C Motifs with Tunable Spin State for Highly Efficient Solar-Driven Water Splitting. <i>Advanced Energy Materials</i> , 2019, 9, 1901505.	10.2	121
257	Platinum emitters with dye-based $\hat{I}^f$ -aryl ligands. <i>Coordination Chemistry Reviews</i> , 2019, 400, 213048.	9.5	29
258	Near-IR/Visible-Emitting Thiophenyl-Based Ru(II) Complexes: Efficient Photodynamic Therapy, Cellular Uptake, and DNA Binding. <i>Inorganic Chemistry</i> , 2019, 58, 14244-14259.	1.9	26

#	ARTICLE	IF	CITATIONS
259	Polarized Near-infrared Light Emitting Devices Fabricated With Low-band-gap Polymer Oriented Films. Molecular Crystals and Liquid Crystals, 2019, 686, 112-118.	0.4	0
260	Luminescence and Light-Driven Energy and Electron Transfer from an Exceptionally Long-Lived Excited State of a Non-Innocent Chromium(III) Complex. Angewandte Chemie, 2019, 131, 18243-18253.	1.6	26
261	Luminescence and Light-Driven Energy and Electron Transfer from an Exceptionally Long-Lived Excited State of a Non-Innocent Chromium(III) Complex. Angewandte Chemie - International Edition, 2019, 58, 18075-18085.	7.2	87
262	Metal-Assisted Delayed Fluorescent Pd(II) Complexes and Phosphorescent Pt(II) Complex Based on [1,2,4]Triazolo[4,3- <i>a</i> ]pyridine-Containing Ligands: Synthesis, Characterization, Electrochemistry, Photophysical Studies, and Application. Inorganic Chemistry, 2019, 58, 14349-14360.	1.9	35
263	Structural modification of BODIPY: Improve its applicability. Chinese Chemical Letters, 2019, 30, 1815-1824.	4.8	81
264	Aggregation-induced emission triggered by the radiative-transition-switch of a cyclometallated Pt(II) complex. Journal of Materials Chemistry C, 2019, 7, 12552-12559.	2.7	30
265	Near-infrared polymer light-emitting diodes based on an inverted device structure. Journal of Materials Chemistry C, 2019, 7, 12114-12120.	2.7	11
266	Near-Infrared Emission Induced by Shortened Pt-Pt Contact: Diplatinum(II) Complexes with Pyridyl Pyrimidinato Cyclometalates. Inorganic Chemistry, 2019, 58, 13892-13901.	1.9	40
267	Two efficient near-infrared (NIR) luminescent [Ir(C <sup>N</sup> ) <sub>2</sub> (N <sup>O</sup> )]-characteristic complexes with 8-hydroxyquinoline (8-Hq) as the ancillary ligand. Inorganic Chemistry Communication, 2019, 101, 69-73.	1.8	15
268	A near infrared light emitting electrochemical cell with a 2.3%V turn-on voltage. Scientific Reports, 2019, 9, 228.	1.6	15
269	Red Room-Temperature Phosphorescence of CDs@Zeolite Composites Triggered by Heteroatoms in Zeolite Frameworks. ACS Central Science, 2019, 5, 349-356.	5.3	128
270	Near-Infrared (NIR) Organic Light-Emitting Diodes (OLEDs): Challenges and Opportunities. Advanced Functional Materials, 2019, 29, 1807623.	7.8	371
271	A rapid-response room-temperature planar type gas sensor based on DPA-Ph-DBPzDCN for the sensitive detection of NH <sub>3</sub> . Journal of Materials Chemistry A, 2019, 7, 4744-4750.	5.2	37
272	Phosphorescent rhenium-dipyrinates: efficient photosensitizers for singlet oxygen generation. Dalton Transactions, 2019, 48, 2467-2478.	1.6	27
273	Rational design of high efficiency green to deep red/near-infrared emitting materials based on isomeric donor-acceptor chromophores. Journal of Materials Chemistry C, 2019, 7, 1880-1887.	2.7	26
274	Room temperature phosphorescence of Mn(II) and Zn(II) coordination polymers for photoelectron response applications. Dalton Transactions, 2019, 48, 10785-10789.	1.6	83
275	Red-NIR luminescence of Mo <sub>6</sub> monolayered assembly directly anchored on Au(001). Materials Horizons, 2019, 6, 1828-1833.	6.4	12
276	Synthesis, photophysical and electronic properties of tetra-donor- or acceptor-substituted ortho-perylenes displaying four reversible oxidations or reductions. Chemical Science, 2019, 10, 7516-7534.	3.7	45

#	ARTICLE	IF	CITATIONS
277	Monometallic lanthanide salicylhydrazone complexes exhibiting strong near-infrared luminescence. <i>Chemical Communications</i> , 2019, 55, 8446-8449.	2.2	12
279	Observation of an Inversion in Photophysical Tuning in a Systematic Study of Luminescent Triazole-Based Osmium(II) Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 8607-8621.	1.9	5
280	Intriguing Near-Infrared Solid-State Luminescence of Binuclear Silver(I) Complexes Based on Pyridylphospholane Scaffolds. <i>Inorganic Chemistry</i> , 2019, 58, 7698-7704.	1.9	20
281	Simultaneously Broadened Visible Light Absorption and Boosted Intersystem Crossing in Platinum-Doped Graphite Carbon Nitride for Enhanced Photosensitization. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 20770-20777.	4.0	44
282	Glass-forming non-symmetric bis-styryl-DWK-type dyes for infra-red radiation amplification systems. <i>Optical Materials</i> , 2019, 93, 85-92.	1.7	1
283	A multi-responsive AIE-active tetraphenylethylene-functioned salicylaldehyde-based schiff base for reversible mechanofluorochromism and Zn <sup>2+</sup> and CO <sub>3</sub> <sup>2-</sup> detection. <i>Organic Electronics</i> , 2019, 73, 55-61.	1.4	42
284	Enhancing the performance of pure organic room-temperature phosphorescent luminophores. <i>Nature Communications</i> , 2019, 10, 2111.	5.8	525
285	Rational Design Strategy for the Realization of Red- to Near-Infrared-Emitting Alkynylgold(III) Complexes and Their Applications in Solution-Processable Organic Light-Emitting Devices. <i>Chemistry of Materials</i> , 2019, 31, 6706-6714.	3.2	20
286	Combining Benzotriazole and Benzodithiophene Host Units in Host-Guest Polymers for Efficient and Stable Near-Infrared Emission from Light-Emitting Electrochemical Cells. <i>Advanced Optical Materials</i> , 2019, 7, 1900280.	3.6	23
287	Tumour microenvironment responsive nanoconstructs for cancer theranostic. <i>Nano Today</i> , 2019, 26, 16-56.	6.2	113
288	Smart, chiral, and nonconjugated cyclohexane-based bis-salicylaldehyde hydrazides: multi-stimuli-responsive, turn-on, ratiometric, and thermochromic fluorescence, single-crystal structures via DFT calculations. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6767-6778.	2.7	25
289	Design of Photostable, Activatable Near-Infrared Photoacoustic Probes Using Tautomeric Benzophthalocyanine as a Platform. <i>Angewandte Chemie</i> , 2019, 131, 7870-7873.	1.6	3
290	Syntheses, crystal structures, chirality and aggregation-induced phosphorescence of stacked binuclear platinum(II) complexes with bridging Salen ligands. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1199-1208.	3.2	22
291	Platinum(II) binuclear complexes: molecular structures, photophysical properties, and applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5910-5924.	2.7	59
292	Triphenylamine-functionalized iridium(III) complexes for near-infrared phosphorescent organic light emitting diodes. <i>Dyes and Pigments</i> , 2019, 166, 307-313.	2.0	21
293	Almost complete radiationless energy transfer from excited triplet state of a dim phosphor to a covalently linked adjacent fluorescent dye in purely organic tandem luminophores doped into PVA matrix. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6571-6577.	2.7	8
294	Facile and Equipment-Free Data Encryption and Decryption by Self-Encrypting Pt(II) Complex. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 13350-13358.	4.0	28
295	Ancillary ligand-assisted robust deep-red emission in iridium(III) complexes for solution-processable phosphorescent OLEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4143-4154.	2.7	26

#	ARTICLE	IF	CITATIONS
296	Design of Photostable, Activatable Near-Infrared Photoacoustic Probes Using Tautomeric Benzophthalocyanine as a Platform. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7788-7791.	7.2	38
297	Near-infrared-emissive metal-organic frameworks. <i>Dalton Transactions</i> , 2019, 48, 6669-6675.	1.6	24
298	Artificial Photosynthesis with Polymeric Carbon Nitride: When Meeting Metal Nanoparticles, Single Atoms, and Molecular Complexes. <i>Small</i> , 2019, 15, e1900772.	5.2	84
299	Low Internal Reorganization Energy of the Metal-Metal-to-Ligand Charge Transfer Emission in Dimeric Pt(II) Complexes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10225-10236.	1.5	36
300	Recent Advancements in and the Future of Organic Emitters: TADF and RTP Active Multifunctional Organic Materials. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1613-1636.	1.7	139
301	Emissive Iridium(III) Complexes with Phosphorous-Containing Ancillary. <i>Chemical Record</i> , 2019, 19, 1644-1666.	2.9	20
302	Predicting Phosphorescence Rates of Light Organic Molecules Using Time-Dependent Density Functional Theory and the Path Integral Approach to Dynamics. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 1896-1904.	2.3	158
303	Enhancing Molecular Aggregations by Intermolecular Hydrogen Bonds to Develop Phosphorescent Emitters for High-Performance Near-Infrared OLEDs. <i>Advanced Science</i> , 2019, 6, 1801930.	5.6	78
304	Visible light sensitized near-infrared luminescence of ytterbium <i>via</i> ILCT states in quadruple-stranded helicates. <i>Dalton Transactions</i> , 2019, 48, 4026-4034.	1.6	27
305	Efficient and low-efficiency-roll-off near-infrared (NIR) polymer light-emitting diodes (PLEDs) based on an asymmetric binuclear iridium(III)-complex. <i>Journal of Luminescence</i> , 2019, 209, 427-434.	1.5	23
306	Metal complex based delayed fluorescence materials. <i>Organic Electronics</i> , 2019, 69, 135-152.	1.4	65
307	1D-helical platinum( <i>scp</i> ) complexes bearing metal-induced chirality, aggregation-induced red phosphorescence, and circularly polarized luminescence. <i>Dalton Transactions</i> , 2019, 48, 4420-4428.	1.6	37
308	Dreifach koordiniertes Bor als Superdonor und Akzeptor für quadrupolare Nahinfrarot-Chromophore. <i>Angewandte Chemie</i> , 2019, 131, 6516-6521.	1.6	17
309	Near-Infrared Quadrupolar Chromophores Combining Three-Coordinate Boron-Based Superdonor and Superacceptor Units. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6449-6454.	7.2	41
310	Rational design of NIR fluorescence probes for sensitive detection of viscosity in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 214, 339-347.	2.0	26
311	Design of Efficient Emissive Materials. , 2021, , 466-502.		14
312	Near-infrared phosphorescence emission of Zn(II) coordination polymer based on 3,5-bis(1-imidazolyl)pyridine: Syntheses, structure and photoelectron performance. <i>Journal of Solid State Chemistry</i> , 2019, 279, 120958.	1.4	15
313	A smart nanoprobe based on a gadolinium complex encapsulated by ZIF-8 with enhanced room temperature phosphorescence for synchronous oxygen sensing and photodynamic therapy. <i>Dalton Transactions</i> , 2019, 48, 16952-16960.	1.6	16

#	ARTICLE	IF	CITATIONS
314	Efficient polymer light-emitting diodes (PLEDs) based on chiral [Pt(C <sup>N</sup> )(N <sup>O</sup> )] complexes with near-infrared (NIR) luminescence and circularly polarized (CP) light. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13743-13747.	2.7	42
315	Tailoring Spinâ€œOrbit Coupling by Aligned Earth-Abundant Metals for Extending Lifetime of Charge-Transfer Excited State. <i>Journal of Physical Chemistry C</i> , 2019, 123, 30536-30544.	1.5	6
317	Selenadiazolobenzotriazole based near infrared dyes with enhanced intramolecular charge transfer and photothermal effect: Synthesis, characterization and photophysical properties. <i>Dyes and Pigments</i> , 2019, 160, 683-691.	2.0	15
318	Fluorescence Behavior of Bis(cyanostyryl)pyrrole Derivatives Depending on the Substituent Position of Cyano Groups in Solution and in Solid State. <i>Journal of Organic Chemistry</i> , 2019, 84, 1192-1200.	1.7	24
319	Highâ€œPerformance Deepâ€œRed/Nearâ€œInfrared OLEDs with Tetradentate [Pt(O <sup>sup&gt;^&lt;/sup&gt;N&lt;sup&gt;^&lt;/sup&gt;C&lt;sup&gt;^&lt;/sup&gt;N)] Emitters. <i>Advanced Optical Materials</i>, 2019, 7, 1801452.</sup>	3.6	37
320	Mixed Leadâ€œTin Halide Perovskites for Efficient and Wavelengthâ€œTunable Nearâ€œInfrared Lightâ€œEmitting Diodes. <i>Advanced Materials</i> , 2019, 31, e1806105.	11.1	66
321	Nearâ€œInfrared Photoluminescence and Electrochemiluminescence from a Remarkably Simple Boron Difluoride Formazanate Dye. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1052-1056.	7.2	116
322	Simply Structured Nearâ€œInfrared Emitters with a Multicyano Linear Acceptor for Solutionâ€œProcessed Organic Lightâ€œEmitting Diodes. <i>Chemistry - A European Journal</i> , 2019, 25, 1010-1017.	1.7	36
323	Transition metal complexes based aptamers as optical diagnostic tools for disease proteins and biomolecules. <i>Coordination Chemistry Reviews</i> , 2019, 380, 519-549.	9.5	21
324	Phenyl- and Pyrazolyl-Functionalized Pyrimidine: Versatile Chromophore of Bis-Tridentate Ir(III) Phosphors for Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , 2019, 31, 6453-6464.	3.2	44
325	Linker Flexibilityâ€œDependent Cluster Transformations and Clusterâ€œControlled Luminescence in Isostructural Silver Clusterâ€œAssembled Materials (SCAMs). <i>Chemistry - A European Journal</i> , 2019, 25, 3376-3381.	1.7	36
326	Synthesis, structures and photophysical properties of four binuclear Cu(I) complexes of 1H-imidazo[4,5-f][1,10]phenanthroline. <i>Polyhedron</i> , 2019, 157, 241-248.	1.0	10
327	Nearâ€œInfrared Photoluminescence and Electrochemiluminescence from a Remarkably Simple Boron Difluoride Formazanate Dye. <i>Angewandte Chemie</i> , 2019, 131, 1064-1068.	1.6	39
328	Biological Evaluation of the NIRâ€œEmissive Ruby Analogue [Cr(ddpd) <sub>2</sub> ][BF <sub>4</sub> ] <sub>3</sub> as a Photodynamic Therapy Photosensitizer. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 37-41.	1.0	31
329	Persistent luminescence instead of phosphorescence: History, mechanism, and perspective. <i>Journal of Luminescence</i> , 2019, 205, 581-620.	1.5	425
330	Corroles as triplet photosensitizers. <i>Coordination Chemistry Reviews</i> , 2019, 379, 121-132.	9.5	81
331	Visible-light photocatalytic degradation of bisphenol A using cobalt-to-oxygen doped graphitic carbon nitride with nitrogen vacancies via metal-to-ligand charge transfer. <i>Journal of Hazardous Materials</i> , 2020, 384, 121247.	6.5	48
332	Solution processed red organic light-emitting-diodes using an <i>N</i>-annulated perylene diimide fluorophore. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2314-2319.	2.7	47

#	ARTICLE	IF	CITATIONS
333	Zinc(II), copper(II) and cadmium(II) complexes as fluorescent chemosensors for cations. Dalton Transactions, 2020, 49, 542-568.	1.6	46
334	Tetradentate Platinum(II) Complexes for Highly Efficient Phosphorescent Emitters and Sky Blue OLEDs. Chemistry of Materials, 2020, 32, 537-548.	3.2	61
335	Boosting Efficiency of Near-Infrared Organic Light-Emitting Diodes with Os(II)-Based Pyrazinyl Azolate Emitters. Advanced Functional Materials, 2020, 30, 1906738.	7.8	57
336	Metallacycle Transfer and its Link to Light-Emitting Materials and Conjugated Polymers. Chemical Record, 2020, 20, 640-648.	2.9	13
337	Roles of Ancillary Chelates and Overall Charges of Bis-tridentate Ir(III) Phosphors for OLED Applications. ACS Applied Materials & Interfaces, 2020, 12, 1084-1093.	4.0	31
338	Long-lived phosphorescence emission of self-penetrating MOF based on 1,4-bis(imidazole-1-ylmethyl)benzene: Syntheses, structure and photoelectron performance. Journal of Solid State Chemistry, 2020, 282, 121123.	1.4	5
339	Efficient and exclusively NIR-emitting ( $\lambda_{em} = 780\text{Ånm}$ ) [Ir(C <sup>N</sup> ) <sub>2</sub> (O <sup>O</sup> )]-heteroleptic complexes with $\beta^2$ -diketonate- or pyrazolonate-typed O <sup>O</sup> -chelate ancillary. Journal of Luminescence, 2020, 220, 116983.	1.5	3
340	Recent Progress in Emerging Near-Infrared Emitting Materials for Light-Emitting Diode Applications. Organic Materials, 2020, 02, 253-281.	1.0	25
341	Photoluminescent and Chromic Nanomaterials for Anticounterfeiting Technologies: Recent Advances and Future Challenges. ACS Nano, 2020, 14, 14417-14492.	7.3	314
342	A novel imidazole-based tri-nitrogen metal cations probe with better-selectivity in ionic radius and acting as a Zn <sup>2+</sup> fluorescence turn-on sensor. Journal of Molecular Structure, 2020, 1222, 128909.	1.8	16
343	Structural characterization, electronic and luminescent properties of copper(I) complexes with different temperatures and their application to light-emitting diodes. Journal of Luminescence, 2020, 227, 117530.	1.5	13
344	Luminescent Symmetrically and Unsymmetrically Substituted Diboranes(4). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 816-827.	0.6	0
345	Phosphorescent Tetradentate Platinum(II) Complexes Containing Fused 6/5/5 or 6/5/6 Metallo-cycles. Inorganic Chemistry, 2020, 59, 18109-18121.	1.9	12
346	Enhanced optical imaging properties of lipid nanocapsules as vehicles for fluorescent conjugated polymers. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 154, 297-308.	2.0	8
347	Fabrication of Water-Repellent Platinum(II) Complex-Based Photon Downshifting Layers for Perovskite Solar Cells by Ultrasonic Spray Deposition. Advanced Energy Materials, 2020, 10, 2001238.	10.2	5
348	Recent Advances in Metal Triplet Emitters with d <sub>6</sub> , d <sub>8</sub> , and d <sub>10</sub> Electronic Configurations. Trends in Chemistry, 2020, 2, 796-812.	4.4	37
349	Truxene-bridged Bodipy fullerene tetrads without precious metals: study of the energy transfer and application in triplet-triplet annihilation upconversion. Journal of Materials Chemistry C, 2020, 8, 15839-15851.	2.7	15
350	X-ray radiation excited ultralong (>20,000 seconds) intrinsic phosphorescence in aluminum nitride single-crystal scintillators. Nature Communications, 2020, 11, 4351.	5.8	31

#	ARTICLE	IF	CITATIONS
351	Anthryl-Appended Platinum(II) Schiff Base Complexes: Exceptionally Small Stokes Shift, Triplet Excited States Equilibrium, and Application in Triplet-Triplet-Annihilation Upconversion. <i>Inorganic Chemistry</i> , 2020, 59, 14731-14745.	1.9	23
352	Deep-Red Luminescence from Platinum(II) Complexes of <i>N</i> -Amido Ligands with Benzannulated <i>N</i> -Heterocyclic Donor Arms. <i>Inorganic Chemistry</i> , 2020, 59, 12504-12517.	1.9	22
353	Soft salts based on platinum(II) complexes with high emission quantum efficiencies in the near infrared region for <i>in vivo</i> imaging. <i>Chemical Communications</i> , 2020, 56, 11681-11684.	2.2	15
354	Synthesis and photophysics of gold(I) alkynyls bearing a benzothiazole-2,7-fluorenyl moiety: a comparative study analyzing influence of ancillary ligand, bridging moiety, and number of metal centers on photophysical properties. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11915-11927.	1.3	12
355	Mesoporous PtPd nanoparticles for ligand-mediated and imaging-guided chemo-photothermal therapy of breast cancer. <i>Nano Research</i> , 2020, 13, 1739-1748.	5.8	18
356	Molecularly Engineered Near-Infrared Light-Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2020, 30, 1908103.	7.8	33
357	An 850 nm pure near-infrared emitting iridium complex for solution-processed organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8484-8492.	2.7	38
358	Recent development of the transition metal complexes showing strong absorption of visible light and long-lived triplet excited state: From molecular structure design to photophysical properties and applications. <i>Coordination Chemistry Reviews</i> , 2020, 417, 213371.	9.5	79
359	Introducing ortho-methoxyl group as a fluorescence-enhancing and bathochromic-shift bi-functional strategy for typical cysteine sensors. <i>Talanta</i> , 2020, 219, 121217.	2.9	7
360	Solid-state photochromic molecular switches based on axially chiral and helical spiropyrans. <i>Dyes and Pigments</i> , 2020, 181, 108597.	2.0	25
361	Boosting Efficiency of Near-Infrared Emitting Iridium(III) Phosphors by Administrating Their Core-Shell Conjugation Effect of Core-Shell Structure in Solution-Processed OLEDs. <i>Advanced Optical Materials</i> , 2020, 8, 2000154.	3.6	62
362	Delayed Fluorescence, Room Temperature Phosphorescence, and Mechanofluorochromic Naphthalimides: Differential Imaging of Normoxia and Hypoxia Live Cancer Cells. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5393-5406.	1.2	23
363	Highly Efficient Near-Infrared Electroluminescence up to 800 nm Using Platinum(II) Phosphors. <i>Advanced Functional Materials</i> , 2020, 30, 2002173.	7.8	57
364	Aggregation-induced phosphorescence enhancement in deep-red and near-infrared emissive iridium(III) complexes for solution-processable OLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4789-4800.	2.7	32
365	Overcoming the energy gap law in near-infrared OLEDs by exciton-vibration decoupling. <i>Nature Photonics</i> , 2020, 14, 570-577.	15.6	237
366	Synthesis and Characterization of Push-Pull Aza-BODIPY Dyes Towards Application in NIR-Photothermal Therapy. <i>ChemPhotoChem</i> , 2020, 4, 5304-5311.	1.5	14
367	Novel self-host heteroleptic green iridium dendrimers based on carbazole dendrons for solution-processable non-doped phosphorescent organic light-emitting diodes. <i>Optical Materials</i> , 2020, 106, 109976.	1.7	4
368	Improved deep-red phosphorescence in cyclometalated iridium complexes <i>via</i> ancillary ligand modification. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1362-1373.	3.0	30

#	ARTICLE	IF	CITATIONS
369	Aggregation-Induced Intersystem Crossing: Rational Design for Phosphorescence Manipulation. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2238-2244.	1.2	29
370	Room temperature phosphorescence from organic luminogens in a non-crystalline state. <i>Supramolecular Chemistry</i> , 2020, 32, 287-311.	1.5	4
371	Highly Efficient Phosphorescent Tetradentate Platinum(II) Complexes Containing Fused 6/5/6 Metallochromes. <i>Inorganic Chemistry</i> , 2020, 59, 3718-3729.	1.9	27
372	Insulated conjugated bimetallo-polymer with sigmoidal response by dual self-controlling system as a biomimetic material. <i>Nature Communications</i> , 2020, 11, 408.	5.8	23
373	Sensitized Yb <sup>3+</sup> Luminescence in CsPbCl <sub>3</sub> Film for Highly Efficient Near-Infrared Light-Emitting Diodes. <i>Advanced Science</i> , 2020, 7, 1903142.	5.6	54
374	Facile synthesis of novel three-dimensional Bi <sub>2</sub> S <sub>3</sub> nanocrystals capped by polyvinyl pyrrolidone to enhance photocatalytic properties under visible light. <i>Journal of Colloid and Interface Science</i> , 2020, 573, 115-122.	5.0	38
375	High-efficiency organic electroluminescent materials based on the D-A type with sterically hindered methyl groups. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6851-6860.	2.7	15
376	π-Type halogen bonding enhanced the long-lasting room temperature phosphorescence of Zn(II) coordination polymers for photoelectron response applications. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2224-2230.	3.0	59
377	Tetradentate Pt(II) Phosphors: A Computational Analysis of Nonradiative Decay Rates and Luminescence Efficiency. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12039-12048.	1.5	4
378	Cyclic (Amino)(aryl)carbenes Enter the Field of Chromophore Ligands: Expanded π System Leads to Unusually Deep Red Emitting Cu <sup>I</sup> Compounds. <i>Journal of the American Chemical Society</i> , 2020, 142, 8897-8909.	6.6	157
379	Multi-stimuli-responsive fluorescence of axially chiral 4-ene-1,2-diketones. <i>Dyes and Pigments</i> , 2021, 184, 108851.	2.0	12
380	Non-conventional photoactive transition metal complexes that mediated sensing and inhibition of amyloidogenic aggregates. <i>Coordination Chemistry Reviews</i> , 2021, 428, 213612.	9.5	11
381	Synthesis, characterization of mechanochromic luminescent-active mono-/dinuclear iridium(III) complexes with near-infrared emission. <i>Journal of Organometallic Chemistry</i> , 2021, 931, 121628.	0.8	7
382	High-performance near-infrared (NIR) polymer light-emitting diodes (PLEDs) based on bipolar Ir(III)-complex-grafted polymers. <i>Journal of Materials Chemistry C</i> , 2021, 9, 173-180.	2.7	14
383	Preparation of Near-Infrared Emissive π-Conjugated Polymer Films Based on Boron-Fused Azobenzene Complexes with Perpendicularly Protruded Aryl Substituents. <i>Macromolecular Rapid Communications</i> , 2021, 42, e2000566.	2.0	20
384	Iridium Complexes Embedding Rigid D-A-Type Coordinated Cores: Facile Synthesis and High-Efficiency Near-Infrared Emission in Solution-Processed Polymer Light-Emitting Diodes. <i>Journal of Organometallic Chemistry</i> , 2021, 931, 121615.	0.8	6
385	Phosphorescence-based ratiometric probes: Design, preparation and applications in sensing, imaging and biomedicine therapy. <i>Coordination Chemistry Reviews</i> , 2021, 431, 213694.	9.5	37
386	NIR fluorescence of A-D-A type functional dyes modulated by terminal Lewis basic groups. <i>Dyes and Pigments</i> , 2021, 184, 108768.	2.0	6

#	ARTICLE	IF	CITATIONS
387	In-Depth Study of the Electronic Properties of NIR-Emissive $\lambda^{\text{em}} > 3 \text{ N}$ Terpyridine Rhenium(I) Dicarbonyl Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 70-79.	1.9	10
388	Polyhedral oligomeric silsesquioxane cage integrated soluble and fluorescent poly(3,4-propylenedioxythiophene) dye. <i>Polymer</i> , 2021, 212, 123127.	1.8	3
389	Metal-Carbon Bonds of Heavier Group 7 and 8 Metals (Tc, Re, Ru, Os): Mononuclear Tc/Re/Ru/Os Complexes With Metal-Carbon Bonds. , 2021, , 123-439.		1
390	Recent development on the synthesis, properties and applications of luminescent oxidized phenothiazine derivatives. <i>Journal of Materials Chemistry C</i> , 2021, 9, 7508-7531.	2.7	25
391	Modulating the optical properties and functions of organic molecules through polymerization. <i>Materials Horizons</i> , 2022, 9, 99-111.	6.4	31
392	Ligand Engineering toward Deep Blue Emission in Nonplanar Terdentate Platinum(II) Complexes. <i>Organometallics</i> , 2021, 40, 156-165.	1.1	7
393	Coronene diimide-based bowl-like nanostructures as red emitters for the analysis of latent fingerprints and metal ion detection. <i>RSC Advances</i> , 2021, 11, 5860-5864.	1.7	12
394	NaCl nanocrystal-encapsulated carbon dots as a solution-based sensor for phosphorescent sensing of trace amounts of water in organic solvents. <i>Analytical Methods</i> , 2021, 13, 4949-4954.	1.3	15
395	C1-Symmetric $[\text{Ir}(\text{C}^{\text{N1}})(\text{C}^{\text{N2}})(\text{N}^{\text{O}})]$ -tris-heteroleptic Ir(III)-complexes with a horizontal orientation for efficient near-infrared (NIR) polymer light-emitting diodes (PLEDs). <i>Journal of Materials Chemistry C</i> , 2021, 9, 8337-8344.	2.7	7
396	Unravelling the role of charge transfer state during ultrafast intersystem crossing in compact organic chromophores. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 25455-25466.	1.3	9
397	Single-atom nickel terminating $\text{sp}^2$ and $\text{sp}^3$ nitride in polymeric carbon nitride for visible-light photocatalytic overall water splitting. <i>Chemical Science</i> , 2021, 12, 3633-3643.	3.7	68
398	Ultrafast and long-time excited state kinetics of an NIR-emissive vanadium(III) complex I: synthesis, spectroscopy and static quantum chemistry. <i>Chemical Science</i> , 2021, 12, 10780-10790.	3.7	28
399	Efficient metal-free organic room temperature phosphors. <i>Chemical Science</i> , 2021, 12, 4216-4236.	3.7	117
400	Long Afterglow of a Nonporous Coordination Polymer with Tunable Room-Temperature Phosphorescence by the Doping of Dye Molecules. <i>Inorganic Chemistry</i> , 2021, 60, 846-851.	1.9	20
401	Long-wavelength NIR luminescence of 2,2'-bipyridyl-Pt(II) dimers achieved by enhanced Pt-Pt interaction. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4192-4199.	3.0	8
402	A Brief History of OLEDs' Emitter Development and Industry Milestones. <i>Advanced Materials</i> , 2021, 33, e2005630.	11.1	551
403	Controlling Energy Gaps of Conjugated Polymers by Multi-Fluorinated Boron-Fused Azobenzene Acceptors for Highly Efficient Near-Infrared Emission. <i>Chemistry - an Asian Journal</i> , 2021, 16, 696-703.	1.7	15
404	$\lambda^{\text{em}} > \text{N}$ -Heterocyclic Carbene-Based Tetradentate Pd(II) Complexes for Deep-Blue Phosphorescent Materials. <i>Organometallics</i> , 2021, 40, 472-481.	1.1	10

#	ARTICLE	IF	CITATIONS
405	Regulation of the Switchable Luminescence of Tridentate Platinum(II) Complexes by Photoisomerization. <i>Frontiers in Chemistry</i> , 2020, 8, 622256.	1.8	2
406	Strategy for Achieving Long-Wavelength Near-Infrared Luminescence of Diimineplatinum(II) Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 3773-3780.	1.9	13
407	Bright Frenkel Excitons in Molecular Crystals: A Survey. <i>Chemistry of Materials</i> , 2021, 33, 3368-3378.	3.2	22
408	C <sub>1</sub> Symmetric [Ir(C <sup>N</sup> 1)(C <sup>N</sup> 2)(O <sup>O</sup> )] Tris Heteroleptic Iridium(III) Complexes with the Preferentially Horizontal Orientation for High-Performance Near-Infrared Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2021, 9, 2100117.	3.6	11
409	Design and synthesis of novel terpyridine-based ligands with one and two terminal aurophilic moieties and their Rh(III) and Ru(II) complexes for the adsorption on metal surfaces. <i>Polyhedron</i> , 2021, 200, 115149.	1.0	4
410	Singlet fission in nanoaggregate of bis(phenylethynyl) derivative of benzene (BPBE): High energy triplet exciton generation with >100 % yield. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 412, 113251.	2.0	3
411	Acenaphthene-imidazole based red-to-NIR Emissive Homoleptic and Heteroleptic Ir(III) complexes for OLEDs: Combined experimental and theoretical approach. <i>Inorganica Chimica Acta</i> , 2021, 519, 120268.	1.2	6
412	Near-Infrared Luminescence in Trinuclear Mixed-Metal Chalcogenolate Complexes of the Types [M <sub>2</sub> Ti(EPH) <sub>6</sub> (PPh <sub>3</sub> ) <sub>2</sub> ] (M = Cu, Ag; E = S, Se) and [Na(thf) <sub>3</sub> ][Ti(SPh) <sub>6</sub> ]. <i>Inorganic Chemistry</i> , 2021, 60, 8936-8945.	1.9	2
413	An Organic Host-Guest System Producing Room-Temperature Phosphorescence at the Parts-Per-Billion Level. <i>Angewandte Chemie</i> , 2021, 133, 17107-17110.	1.6	22
414	An Organic Host-Guest System Producing Room-Temperature Phosphorescence at the Parts-Per-Billion Level. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16970-16973.	7.2	122
415	Highly Sensitive and Reliable NIR Luminescent Sensing Toward Nitro-Aromatic Antibiotics in Water. <i>Advanced Materials Technologies</i> , 2021, 6, 2100078.	3.0	6
416	Construction of C-C bonds via photoreductive coupling of ketones and aldehydes in the metal-organic-framework MFM-300(Cr). <i>Nature Communications</i> , 2021, 12, 3583.	5.8	35
417	PPV-type $\pi$ -conjugated polymers based on hypervalent tin(IV)-fused azobenzene complexes showing near-infrared absorption and emission. <i>Polymer Journal</i> , 2021, 53, 1241-1249.	1.3	10
418	High Performance NIR OLEDs with Low Efficiency Roll-Off by Leveraging Os(II) Phosphors and Exciplex Co-Host. <i>Advanced Functional Materials</i> , 2021, 31, 2102787.	7.8	25
419	Intersystem Crossing in Tetrapyrrolic Macrocycles. A First-Principles Analysis. <i>Journal of Physical Chemistry C</i> , 2021, 125, 13493-13500.	1.5	12
420	Strongly Red-Emissive Molecular Ruby [Cr(bpmp) <sub>2</sub> ] <sup>3+</sup> Surpasses [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> . <i>Journal of the American Chemical Society</i> , 2021, 143, 11843-11855.	6.6	66
421	A Near-Infrared Emissive Chromium(III) Complex. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23722-23728.	7.2	52
422	Luminescence of Pyrazinyl Pyrazolate Pt(II) Complexes Fine-Tuned by the Solid-State Stacking Interaction. <i>Energy &amp; Fuels</i> , 2021, 35, 19112-19122.	2.5	11

#	ARTICLE	IF	CITATIONS
423	Alkali-doping of mixed tin-lead perovskites for efficient near-infrared light-emitting diodes. <i>Science Bulletin</i> , 2022, 67, 54-60.	4.3	13
424	Design Strategies and Recent Results for Near-Infrared-Emissive Materials Based on Element-Block $\pi$ -Conjugated Polymers. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 2290-2301.	2.0	20
425	A Near-Infrared-Emissive Chromium(III) Complex. <i>Angewandte Chemie</i> , 2021, 133, 23915.	1.6	5
426	Iridium(III) complexes with 1-phenylisoquinoline-4-carbonitrile units for efficient NIR organic light-emitting diodes. <i>IScience</i> , 2021, 24, 102911.	1.9	14
427	Pharmacokinetics of Single Domain Antibodies and Conjugated Nanoparticles Using a Hybrid near Infrared Method. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8695.	1.8	8
428	Organic Persistent Luminescent Materials: Ultralong Room-Temperature Phosphorescence and Multicolor-Tunable Afterglow. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 41131-41139.	4.0	35
429	Intracellular Dynamic Assembly of Deep-Red Emitting Supramolecular Nanostructures Based on the Pt@Pt Metallophilic Interaction. <i>Advanced Materials</i> , 2021, 33, e2008613.	11.1	17
430	Axially Chiral Bis-Cycloplatinated Binaphthalenes and Octahydro-Binaphthalenes for Efficient Circularly Polarized Phosphorescence in Solution-Processed Organic Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2021, 60, 13557-13566.	1.9	30
431	Near-infrared emitting iridium complexes: Molecular design, photophysical properties, and related applications. <i>IScience</i> , 2021, 24, 102858.	1.9	37
432	Ultralong Polymeric Room Temperature Phosphorescence Materials Fabricated by Multiple Hydrogen Bonds Resistant to Temperature and Humidity. <i>Advanced Optical Materials</i> , 2021, 9, 2100782.	3.6	34
433	Synthesis, structure and luminescent switching properties of cycloplatinated(II) complexes bearing phenyl $\beta^2$ -diketone ligands. <i>Journal of Organometallic Chemistry</i> , 2021, 952, 122048.	0.8	7
434	Synthesis and study of Re(I) tricarbonyl complexes based on octachloro-1,10-phenanthroline: Towards deep red-to-NIR emitters. <i>Polyhedron</i> , 2021, 209, 115484.	1.0	9
435	Discovery of Functional Luminescence Properties Based on Flexible and Bendable Boron-Fused Azomethine/Azobenzene Complexes with O,N,O-Type Tridentate Ligands. <i>Chemical Record</i> , 2021, 21, 1358-1373.	2.9	20
436	Red to near-infrared phosphorescent Ir(III) complexes with electron-rich chelating ligands. <i>Chemical Communications</i> , 2021, 57, 1975-1988.	2.2	46
437	Achieving High-Performance Solution-Processed Deep-Red/Near-Infrared Organic Light-Emitting Diodes with a Phenanthroline-Based and Wedge-Shaped Fluorophore. <i>Advanced Electronic Materials</i> , 2019, 5, 1800677.	2.6	22
438	Recent progress of electronic materials based on 2,1,3-benzothiadiazole and its derivatives: synthesis and their application in organic light-emitting diodes. <i>Science China Chemistry</i> , 2021, 64, 341-357.	4.2	44
439	A simple and efficient approach toward deep-red to near-infrared-emitting iridium(III) complexes for organic light-emitting diodes with external quantum efficiencies of over 10%. <i>Chemical Science</i> , 2020, 11, 2342-2349.	3.7	101
440	Imaging Agents in Targeting Tumor Hypoxia. <i>Current Medicinal Chemistry</i> , 2016, 23, 1775-1800.	1.2	8

#	ARTICLE	IF	CITATIONS
441	Mapping the Regioisomeric Space and Visible Color Range of Purely Organic Dual Emitters with Ultralong Phosphorescence Components: From Violet to Red Towards Pure White Light. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	28
442	Mapping the regioisomeric space and visible color range of purely organic dual emitters with ultralong phosphorescence components: From violet to red towards pure white light. <i>Angewandte Chemie</i> , 0, , .	1.6	5
443	High Performance Near-Infrared Emitters with Methylated Triphenylamine and Thiadiazolo[3,4-g]quinoxaline-Based Fluorophores. <i>Molecules</i> , 2021, 26, 6386.	1.7	2
444	One-pot synthesis red emission of photoluminescent silane capped gold nanoclusters. , 2018, , .		0
445	Synthesis, characterization, and photophysical properties of some new thieno[2,3- <i>b</i> ]pyridines bearing phenylethenyl moiety. <i>Journal of Heterocyclic Chemistry</i> , 2022, 59, 359-370.	1.4	5
446	Recent Advances on Host-Guest Material Systems toward Organic Room Temperature Phosphorescence. <i>Small</i> , 2022, 18, e2104073.	5.2	170
447	pH-Responsive luminescence sensing, photoredox catalysis and photodynamic applications of ruthenium(II) photosensitizers bearing imidazo[4,5- <i>f</i> ][1,10]phenanthroline scaffolds. <i>Coordination Chemistry Reviews</i> , 2022, 452, 214272.	9.5	14
448	Iridium(III) Complexes with [ $\lambda^2, \lambda^1, 0$ ] Charged Ligand Realized Deep-Red/Near-Infrared Phosphorescent Emission. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	5
449	Room-Temperature Phosphorescent Co-Crystal Showing Direct White Light and Photo-Electric Conversion. <i>Frontiers in Chemistry</i> , 2021, 9, 765374.	1.8	4
450	Iridium(III) porphyrin arrays with tuneable photophysical properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 235, 118309.	2.0	4
451	Development of NIR emissive fully-fused bisboron complexes with $\pi$ -conjugated systems including multiple azo groups. <i>Dalton Transactions</i> , 2021, 51, 74-84.	1.6	15
452	Modular Two-Step Access to $\pi$ -Extended Naphthyridine Systems – Potent Building Blocks for Organic Electronics. <i>Angewandte Chemie</i> , 2022, 134, e202114277.	1.6	4
453	Modular Two-Step Access to $\pi$ -Extended Naphthyridine Systems – Potent Building Blocks for Organic Electronics. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	17
454	Controlling emitting dipole orientations by N <sup>O</sup> -ancillary electronic effects of [Ir(C <sup>N</sup> ) <sub>2</sub> (N <sup>O</sup> )]-heteroleptic Ir-complexes towards efficient near-infrared (NIR) polymer light-emitting diodes (PLEDs). <i>Journal of Materials Chemistry C</i> , 2021, 9, 16751-16761.	2.7	2
455	Phosphorescent NIR emitters for biomedicine: applications, advances and challenges. <i>Dalton Transactions</i> , 2022, 51, 1257-1280.	1.6	29
456	Near-infrared-emissive $\pi$ -conjugated polymers based on five-coordinated silicon formazanate complexes. <i>Polymer</i> , 2022, 239, 124463.	1.8	6
457	<i>C</i> <sub>1</sub> -Symmetrical [Ir(C <sup>N</sup> ) <sub>1</sub> ](C <sup>N</sup> ) <sub>2</sub> (N <sup>O</sup> )]-tris-heteroleptic Ir-complexes with one strong N <sup>O</sup> -ancillary $\pi$ -donor for efficient all-solution-processed near-infrared (NIR) polymer light-emitting diodes (PLEDs). <i>Journal of Materials Chemistry C</i> , 2022, 10, 3178-3187.	2.7	3
458	Advancing Near-Infrared Phosphorescence with Heteroleptic Iridium Complexes Bearing a Single Emitting Ligand: Properties and Organic Light-Emitting Diode Applications. <i>Chemistry of Materials</i> , 2022, 34, 574-583.	3.2	20

#	ARTICLE	IF	CITATIONS
459	Highly Phosphorescent Planar Chirality by Bridging Two Square-Planar Platinum(II) Complexes: Chirality Induction and Circularly Polarized Luminescence. <i>Journal of the American Chemical Society</i> , 2022, 144, 2233-2244.	6.6	55
460	Tuning the Excited State of Tetradentate Pd(II) and Pt(II) Complexes through Benzannulated N-Heteroaromatic Ring and Central Metal. <i>Chinese Journal of Chemistry</i> , 2022, 40, 223-234.	2.6	8
461	A porphyrin pentamer as a bright emitter for NIR OLEDs. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5929-5933.	2.7	6
462	Society Illuminated by Near-Infrared Emission. <i>Journal of the Japan Society of Colour Material</i> , 2022, 95, 67-71.	0.0	0
463	Spin-flip luminescence. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 1309-1331.	1.6	47
464	Dinuclear Pt(II) Complexes with Red and NIR Emission Governed by Ligand Control of the Intramolecular Pt-Pt Distance. <i>Inorganic Chemistry</i> , 2022, 61, 5178-5183.	1.9	10
465	Synthesis and Characterization of Far-Red Emissive Boron-Based Triads Showing Large Stokes Shifts: Optical, TRANES, and Electrochemical Studies. <i>Journal of Organic Chemistry</i> , 2022, 87, 3967-3977.	1.7	4
466	Homoleptic Ir(III) Phosphors with 2-Phenyl-1,2,4-triazol-3-ylidene Chelates for Efficient Blue Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 59023-59034.	4.0	23
467	Tetradentate cyclometalated platinum complex enables high-performance near-infrared electroluminescence with excellent device stability. <i>Chinese Chemical Letters</i> , 2023, 34, 107445.	4.8	4
468	Near-Infrared Phosphorescent Switch of Diarylethene Phenylpyridinium Derivative and Cucurbit[8]uril for Cell Imaging. <i>Small</i> , 2022, 18, e2201821.	5.2	16
469	BINOL blocks as accessible triplet state modulators in BODIPY dyes. <i>Chemical Communications</i> , 2022, 58, 6385-6388.	2.2	4
470	High-performance three-coordinated organoboron emitters for organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9165-9191.	2.7	10
471	Azolate-Based Osmium(II) Complexes with Luminescence Spanning Visible and Near Infrared Region. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	1.0	12
472	Rational Design of a Near-infrared Fluorescent Material with High Solid-state Efficiency, Aggregation-induced Emission and Live Cell Imaging Property. <i>Chemical Research in Chinese Universities</i> , 2022, 38, 1461-1466.	1.3	2
473	Efficient near-infrared phosphors discovered by parametrizing the Eu(II) 5d-to-4f energy gap. <i>Matter</i> , 2022, 5, 1924-1936.	5.0	31
474	Promising four-coordinated organoboron emitters for organic light-emitting diodes. <i>Dyes and Pigments</i> , 2022, 204, 110383.	2.0	15
475	Red and near-infrared emissive palladium(II) complexes with tetradentate coordination framework and their application in OLEDs. <i>Chemical Engineering Journal</i> , 2022, 446, 136834.	6.6	10
476	Novel NIR-Phosphorescent Ir(III) Complexes: Synthesis, Characterization and Their Exploration as Lifetime-Based O <sub>2</sub> Sensors in Living Cells. <i>Molecules</i> , 2022, 27, 3156.	1.7	12

#	ARTICLE	IF	CITATIONS
477	Theoretical studies on the excited-state properties of thermally activated delayed fluorescence molecules with aggregation induced emission. <i>Journal of Materials Chemistry C</i> , 2022, 10, 9377-9390.	2.7	7
478	Regioselective Syntheses of Imidazo[4,5- <i>b</i> ]pyrazin-2-ylidene-Based Chelates and Blue Emissive Iridium(III) Phosphors for Solution-Processed OLEDs. <i>Inorganic Chemistry</i> , 2022, 61, 8797-8805.	1.9	22
479	Wavelength-Tuneable Near-Infrared Luminescence in Mixed Tin-Lead Halide Perovskites. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	3
480	Exceedingly Stable Luminescent Dinuclear Pt(II) Complexes with Ditopic Formamidinate Bridging Ligands for High-Performance Red and Deep-Red OLEDs with LT <sub>97</sub> up to 2446Å at 1000Åcd m <sup>-2</sup> . <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	17
481	Construction of Cr(III)-Ln(III)-Salen (Ln=Nd, Yb, Er or Gd) hetero-binuclear complexes with high-purity near-infrared (NIR) luminescence. <i>Inorganic Chemistry Communication</i> , 2022, 142, 109633.	1.8	1
482	Rigid Phenanthro[4,5- <i>abc</i> ]phenazine-Cored Iridium(III) Complexes for High-Performance Near-Infrared Emission at About 800 Nm in Solution-Processed Oleds. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
483	Macrocyclic Confined Purely Organic Room-Temperature Phosphorescence Three-Photon Targeted Imaging. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	10
484	Mid-Infrared Optoelectronic Devices Based on Two-Dimensional Materials beyond Graphene: Status and Trends. <i>Nanomaterials</i> , 2022, 12, 2260.	1.9	16
485	Near-Infrared OLEDs Based on Functional Pyrazinyl Azolate Os(II) Phosphors and Deuteration. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	15
486	Synthesis, crystal structure, NMR and near infra-red luminescence studies of nine-coordinate Nd and Yb complexes based on fluorinated $\beta$ -diketone and a tridentate antenna chromophore, 2, 4, 6-Tris-(2-pyridyl)-s-triazine. <i>Inorganica Chimica Acta</i> , 2022, 541, 121086.	1.2	1
487	Fused 6/5/6 Metallocycle-Based Tetradentate Pt(II) Emitters for Efficient Green Phosphorescent OLEDs. <i>Inorganic Chemistry</i> , 2022, 61, 11218-11231.	1.9	8
488	Recent Advances in Chiral Aggregation-Induced Emission Fluorogens. <i>Engineered Regeneration</i> , 2022, , .	3.0	0
489	Synthesis and Coordination Chemistry of a Benzannulated Bipyridine: 6,6'-Biphenanthridine. <i>Inorganic Chemistry</i> , 2022, 61, 13386-13398.	1.9	4
490	Thermally Activated Delayed Fluorescence of a Dinuclear Platinum(II) Compound: Mechanism and Roles of an Upper Triplet State. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	7
491	Organic Near-Infrared Luminescent Materials Based on Excited State Intramolecular Proton Transfer Process. <i>Chinese Journal of Chemistry</i> , 2022, 40, 2468-2481.	2.6	16
492	Fluorescence enhancement of near infrared cell membrane probe by $\beta$ -cyclodextrin supramolecular interaction. <i>Dyes and Pigments</i> , 2022, 207, 110693.	2.0	5
493	Rigid phenanthro[4,5- <i>abc</i> ]phenazine-cored iridium(III) complexes for high-performance near-infrared emission at about 800Ånm in solution-processed OLEDs. <i>Chemical Engineering Journal</i> , 2023, 452, 138956.	6.6	11
494	Metal-cyanido molecular modulators of the sensing range and performance in lanthanide-based luminescent thermometers. <i>Journal of Materials Chemistry C</i> , 2022, 10, 12054-12069.	2.7	6



#	ARTICLE	IF	CITATIONS
513	High-efficiency and stable red to near-infrared organic light-emitting diodes using dinuclear platinum( $\langle\text{scpi}\rangle$ ) complexes. <i>Materials Chemistry Frontiers</i> , 2023, 7, 873-880.	3.2	3
514	Toward Near-Infrared Emission in Pt(II)-Cyclometallated Compounds: From Excimers <sup>TM</sup> Formation to Aggregation-Induced Emission. <i>Inorganic Chemistry</i> , 2023, 62, 2000-2012.	1.9	9
515	Bioresponsive fluorescent probes active in the second near-infrared window. , 2023, 1, 36-60.		6
516	Interfacial engineering of Ni-phytate and Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene-sensitized TiO <sub>2</sub> toward enhanced sterilization efficacy under 808 nm NIR light irradiation. <i>Applied Catalysis B: Environmental</i> , 2023, 330, 122613.	10.8	22
517	Xanthene-Based Nitric Oxide-Responsive Nanosensor for Photoacoustic Imaging in the SWIR Window. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	4
518	Xanthene-Based Nitric Oxide-Responsive Nanosensor for Photoacoustic Imaging in the SWIR Window. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	1
519	Photodynamics of the Molecular Ruby [Cr(ddpd) <sub>2</sub> ] <sup>3+</sup> . <i>Molecules</i> , 2023, 28, 1668.	1.7	2
520	Design, Synthesis and Photophysical Studies of Luminescent Rhodium(III) Complexes in Near-Infrared Region. <i>European Journal of Inorganic Chemistry</i> , 2023, 26, .	1.0	1
521	Simultaneous Luminescence Color Tuning and Spectral Broadening of Cr <sup>3+</sup> Near-Infrared Emission for Night Vision Application. , 2023, 1, 1088-1096.		5
522	Near-Infrared Photoluminescence from Ytterbium- and Erbium-Codoped CsPbCl <sub>3</sub> Perovskite Quantum Dots with Negative Thermal Quenching. <i>Journal of Physical Chemistry Letters</i> , 2023, 14, 2837-2844.	2.1	5
523	Smart Reversible Transformations between Chiral Superstructures of Copper Clusters for Optical and Chiroptical Switching. <i>Journal of the American Chemical Society</i> , 2023, 145, 6166-6176.	6.6	20
524	Metal-Induced Planar Chirality of Soft-Bridged Binuclear Platinum(II) Complexes: 100% Phosphorescence Quantum Yields, Chiral Self-Sorting, and Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	9
525	Metal-Induced Planar Chirality of Soft-Bridged Binuclear Platinum(II) Complexes: 100% Phosphorescence Quantum Yields, Chiral Self-Sorting, and Circularly Polarized Luminescence. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	2
526	Study of the Mechanism and Increasing Crystallinity in the Self-Templated Growth of Ultrathin PbS Nanosheets. <i>Chemistry of Materials</i> , 2023, 35, 2988-2998.	3.2	1
527	Realizing near-infrared mechanophosphorescence from an organic host/guest system. <i>Journal of Materials Chemistry C</i> , 2023, 11, 5725-5730.	2.7	1
528	Approaching the Shortest Intermetallic Distance of Half-Lantern Diplatinum(II) Complexes for Efficient and Stable Deep-Red Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2023, 11, .	3.6	4
529	Cytotoxic properties of fac-Re(CO) <sub>3</sub> complexes with quinoline Coligands: Insights on the mode of cell death and DNA fragmentation. <i>Inorganica Chimica Acta</i> , 2023, , 121521.	1.2	1
530	Deepening Insights into Aggregation Effect of Intermolecular Charge-Transfer Aggregates for Highly Efficient Near-Infrared Non-Doped Organic Light-Emitting Diodes over 780 nm. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	6

#	ARTICLE	IF	CITATIONS
535	Near-infrared metal agents assisting precision medicine: from strategic design to bioimaging and therapeutic applications. <i>Chemical Society Reviews</i> , 2023, 52, 4392-4442.	18.7	26
537	A dual-locked triarylamine donor enables high-performance deep-red/NIR thermally activated delayed fluorescence organic light-emitting diodes. <i>Materials Horizons</i> , 2023, 10, 2997-3004.	6.4	4
553	Real-Time Pulse Monitoring and Analysis Realized by Organic Near-Infrared Photodetector with Detection Region Up to 1550nm. , 2023, , .		0
557	Afterglow bio-applications by utilizing triplet excited states of organic materials. <i>Science China Chemistry</i> , 2023, 66, 2930-2940.	4.2	6