

Rick Wai-Kwok Wong

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174 papers	6,444 citations	47 h-index	69 g-index
177 ext. papers	6,845 ext. citations	4.9 avg, IF	5.51 L-index

#	Paper	IF	Citations
174	Significant Improvement of Dye-Sensitized Solar Cell Performance Using Simple Phenothiazine-Based Dyes. <i>Chemistry of Materials</i> , 2013 , 25, 2146-2153	9.6	231
173	A near-infrared-fluorescent chemodosimeter for mercuric ion based on an expanded porphyrin. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 3150-4	16.4	231
172	Heterobimetallic Zn(II)-Ln(III) phenylene-bridged schiff base complexes, computational studies, and evidence for singlet energy transfer as the main pathway in the sensitization of near-infrared Nd ³⁺ luminescence. <i>Inorganic Chemistry</i> , 2006 , 45, 9315-25	5.1	149
171	Design and synthesis of a near infra-red luminescent hexanuclear Zn-Nd prism. <i>Chemical Communications</i> , 2006 , 1836-8	5.8	139
170	Synthesis and near-infrared luminescence of 3d-4f bi-metallic Schiff base complexes. <i>New Journal of Chemistry</i> , 2002 , 26, 275-278	3.6	136
169	Multinuclear luminescent Schiff-base Zn-Nd sandwich complexes. <i>Inorganic Chemistry</i> , 2006 , 45, 4340-5	5.1	134
168	Water-soluble mitochondria-specific ytterbium complex with impressive NIR emission. <i>Journal of the American Chemical Society</i> , 2011 , 133, 20120-2	16.4	124
167	High-efficiency and color-stable white organic light-emitting devices based on sky blue electrofluorescence and orange electrophosphorescence. <i>Applied Physics Letters</i> , 2008 , 92, 083301	3.4	110
166	Synthesis, structure, reactivity and photoluminescence of lanthanide(III) monoporphyrinate complexes. <i>Coordination Chemistry Reviews</i> , 2007 , 251, 2386-2399	23.2	104
165	Synthesis, structures and luminescent properties of new heterobimetallic Zn-4f Schiff base complexes. <i>Inorganica Chimica Acta</i> , 2004 , 357, 4510-4521	2.7	102
164	New Co(OH) ₂ /CdS nanowires for efficient visible light photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5282-5287	13	99
163	Conformational engineering of co-sensitizers to retard back charge transfer for high-efficiency dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 11553	13	88
162	Comparative studies of the cellular uptake, subcellular localization, and cytotoxic and phototoxic antitumor properties of ruthenium(II)-porphyrin conjugates with different linkers. <i>Bioconjugate Chemistry</i> , 2012 , 23, 1623-38	6.3	84
161	Tetranuclear NIR luminescent Schiff-base ZnNd complexes. <i>New Journal of Chemistry</i> , 2008 , 32, 127-131	3.6	83
160	Study of Arylamine-Substituted Porphyrins as Hole-Transporting Materials in High-Performance Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 13231-13239	9.5	82
159	Biocompatible CdSe quantum dot-based photosensitizer under two-photon excitation for photodynamic therapy. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2455		81
158	Facile synthesis of N-rich carbon quantum dots from porphyrins as efficient probes for bioimaging and biosensing in living cells. <i>International Journal of Nanomedicine</i> , 2017 , 12, 7375-7391	7.3	80

157	Porphyrin-Implanted Carbon Nanodots for Photoacoustic Imaging and in Vivo Breast Cancer Ablation. <i>ACS Applied Bio Materials</i> , 2018 , 1, 110-117	4.1	79
156	Synthesis, crystal structures and antenna-like sensitization of visible and near infrared emission in heterobimetallic Zn ^{II} Bu and Zn ^{II} Nd Schiff base compounds. <i>Polyhedron</i> , 2006 , 25, 271-278	2.7	77
155	Design and Synthesis of Near-Infrared Emissive Lanthanide Complexes Based on Macrocyclic Ligands. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 4651-4674	2.3	73
154	Structural engineering of porphyrin-based small molecules as donors for efficient organic solar cells. <i>Chemical Science</i> , 2016 , 7, 4301-4307	9.4	69
153	Syntheses, crystal structures, and luminescent properties of lanthanide complexes with tripodal ligands bearing benzimidazole and pyridine groups. <i>Inorganic Chemistry</i> , 2003 , 42, 169-79	5.1	69
152	New phenothiazine-based dyes for efficient dye-sensitized solar cells: Positioning effect of a donor group on the cell performance. <i>Journal of Power Sources</i> , 2013 , 243, 253-259	8.9	68
151	Pentanuclear tetra-decker luminescent lanthanide Schiff base complexes. <i>Dalton Transactions</i> , 2008 , 1676-8	4.3	68
150	Synthesis, structure and near-infrared luminescence of neutral 3d ^{4f} bi-metallic monoporphyrate complexes. <i>Dalton Transactions RSC</i> , 2001 , 3092-3098		67
149	Room temperature molecular up conversion in solution. <i>Nature Communications</i> , 2016 , 7, 11978	17.4	65
148	In vivo selective cancer-tracking gadolinium eradicator as new-generation photodynamic therapy agent. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E5492-7	11.5	63
147	Solution-processed new porphyrin-based small molecules as electron donors for highly efficient organic photovoltaics. <i>Chemical Communications</i> , 2015 , 51, 14439-42	5.8	62
146	New phosphorescent platinum(II) Schiff base complexes for PHOLED applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 16448		62
145	Anion-induced self-assembly of luminescent and magnetic homoleptic cyclic tetranuclear Ln ₄ (salen) ₄ and Ln ₄ (salen) ₂ complexes (Ln = Nd, Yb, Er, or Gd). <i>Inorganic Chemistry</i> , 2012 , 51, 11377-86	5.1	60
144	Highly selective mitochondria-targeting amphiphilic silicon(IV) phthalocyanines with axially ligated rhodamine B for photodynamic therapy. <i>Inorganic Chemistry</i> , 2012 , 51, 812-21	5.1	60
143	Anion-dependent construction of two hexanuclear 3d-4f complexes with a flexible Schiff base ligand. <i>Dalton Transactions</i> , 2012 , 41, 11449-53	4.3	60
142	Novel host materials for single-component white organic light-emitting diodes based on 9-naphthylanthracene derivatives. <i>Journal of Materials Chemistry</i> , 2008 , 18, 4529		59
141	Anion dependant self-assembly and the first X-ray structure of a neutral homoleptic lanthanide salen complex Tb ₄ (salen) ₆ . <i>Chemical Communications</i> , 2008 , 3266-8	5.8	58
140	A novel bifunctional mitochondria-targeted anticancer agent with high selectivity for cancer cells. <i>Scientific Reports</i> , 2015 , 5, 13543	4.9	55

139	Hetero-trinuclear near-infrared (NIR) luminescent Zn ₂ Ln complexes from Salen-type Schiff-base ligands. <i>New Journal of Chemistry</i> , 2009 , 33, 2326	3.6	55
138	Dipyrrolylquinoxaline-bridged Schiff bases: a new class of fluorescent sensors for mercury(II). <i>Dalton Transactions</i> , 2005 , 3235-40	4.3	55
137	New Terthiophene-Conjugated Porphyrin Donors for Highly Efficient Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30176-30183	9.5	53
136	Responsive and mitochondria-specific ruthenium(II) complex for dual in vitro applications: two-photon (near-infrared) induced imaging and regioselective cell killing. <i>Chemical Communications</i> , 2010 , 46, 6678-80	5.8	53
135	Near-Infrared Luminescent, Neutral, Cyclic Zn ₂ Ln ₂ (Ln = Nd, Yb, and Er) Complexes from Asymmetric Salen-Type Schiff Base Ligands. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 2714-2722	2.3	51
134	Synthesis of an octanuclear Eu(III) cage from Eu(4)(2+): chloride anion encapsulation, luminescence, and reversible MeOH adsorption via a porous supramolecular architecture. <i>Inorganic Chemistry</i> , 2007 , 46, 7050-4	5.1	51
133	Multinuclear NIR luminescent 1,4-BDC bridged Schiff-base complexes of Nd(III). <i>Polyhedron</i> , 2009 , 28, 27-32	2.7	50
132	Reactivity of aqua coordinated monoporphyrate lanthanide complexes: synthetic, structural and photoluminescent studies of lanthanide porphyrinate dimers. <i>Dalton Transactions</i> , 2004 , 4064-73	4.3	50
131	Heteronuclear trimetallic and 1D polymeric 3d-4f Schiff base complexes with OCN- and SCN- ligands. <i>Dalton Transactions</i> , 2009 , 9595-602	4.3	49
130	Pure white-light and colour-tuning of Eu(3+)-Gd(3+)-containing metallopolymer. <i>Chemical Communications</i> , 2016 , 52, 3713-6	5.8	48
129	Near Infrared Luminescence and Supramolecular Structure of a Helical Triple-Decker Yb(III) Schiff Base Cluster. <i>Crystal Growth and Design</i> , 2006 , 6, 2122-2125	3.5	48
128	Near-infrared (NIR) luminescent homoleptic lanthanide Salen complexes Ln ₄ (Salen) ₄ (Ln = Nd, Yb or Er). <i>CrystEngComm</i> , 2012 , 14, 3456	3.3	47
127	Two-photon induced luminescence, singlet oxygen generation, cellular uptake and photocytotoxic properties of amphiphilic Ru(II) polypyridyl-porphyrin conjugates as potential bifunctional photodynamic therapeutic agents. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 6004-10	3.9	47
126	Co-sensitization of 3D bulky phenothiazine-cored photosensitizers with planar squaraine dyes for efficient dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13848-13855	13	46
125	Syntheses, structures, and photoluminescence of 1-D lanthanide coordination polymers. <i>Dalton Transactions</i> , 2009 , 10505-10	4.3	45
124	Near-infrared and visible dual emissive transparent nanopaper based on Yb(III)/carbon quantum dots grafted oxidized nanofibrillated cellulose for anti-counterfeiting applications. <i>Cellulose</i> , 2018 , 25, 377-389	5.5	45
123	Phosphorescent Cu(I) complexes based on bis(pyrazol-1-yl-methyl)-pyridine derivatives for organic light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 138-146	7.1	44
122	Light-harvesting ytterbium(III)-porphyrinate-BODIPY conjugates: synthesis, excitation-energy transfer, and two-photon-induced near-infrared-emission studies. <i>Chemistry - A European Journal</i> , 2013 , 19, 739-48	4.8	44

121	Construction of 1-D 4f and 3d-4f coordination polymers with flexible Schiff base ligands. <i>Dalton Transactions</i> , 2011 , 40, 9795-801	4.3	44
120	An amphiphilic ruthenium(II)-polypyridyl appended porphyrin as potential bifunctional two-photon tumor-imaging and photodynamic therapeutic agent. <i>Journal of Inorganic Biochemistry</i> , 2010 , 104, 62-70	4.2	44
119	Synthesis, Structures and Optical Power Limiting of Some Transition Metal and Lanthanide Monoporphyrinate Complexes Containing Electron-Rich Diphenylamino Substituents. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 2004-2013	2.3	43
118	A near-infrared fluorescent chemodosimeter for silver(I) ion based on an expanded porphyrin. <i>Tetrahedron Letters</i> , 2008 , 49, 1843-1846	2	43
117	Highly efficient and stable sky blue organic light-emitting devices. <i>Applied Physics Letters</i> , 2006 , 89, 1219-1221	3.4	43
116	Template Synthesis, Crystal Structure and Luminescent Properties of Neutral N4O3 Tripodal Ln(III) Complexes (Ln(III) = La ³⁺ , Eu ³⁺ , Gd ³⁺ , Tb ³⁺ , Dy ³⁺ , Ho ³⁺ , Er ³⁺ , Tm ³⁺ or Lu ³⁺ ; H ₃ L = Tris{[3'-(2'-pyridyl)-5'-tert-butyl-2'-hydroxybenzylidene-2-imino]ethyl}amine). <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 886-892	2.3	43
115	Synthesis and crystal structures of cationic lanthanide(III) monoporphyrinate complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 615-622		43
114	Construction and NIR luminescent property of hetero-bimetallic Zn(II)-Nd(III) complexes from two chiral salen-type Schiff-base ligands. <i>Journal of Molecular Structure</i> , 2008 , 891, 450-455	3.4	42
113	Synthesis, Crystal Structures and Photophysical Properties of Novel Tetranuclear Cadmium(II) Schiff-Base Complexes. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 3950-3954	2.3	42
112	Syntheses, Photophysics, and Fluxional Properties of Luminescent A-Frame Diplatinum(II) Acetylide Complexes. <i>Organometallics</i> , 1998 , 17, 2590-2596	3.8	42
111	A potential water-soluble ytterbium-based porphyrin-cyclen dual bio-probe for Golgi apparatus imaging and photodynamic therapy. <i>Chemical Communications</i> , 2012 , 48, 9646-8	5.8	40
110	A-D-A Type Small Molecules Based on Boron Dipyrromethene for Solution-Processed Organic Solar Cells. <i>Chemistry - an Asian Journal</i> , 2015 , 10, 1513-8	4.5	39
109	Effect of Heavy-Atom (Br) at the Phenyl Rings of Schiff-Base Ligands on the NIR Luminescence of their Bimetallic Zn-Nd Complexes. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2008 , 634, 1795-1800	1.3	39
108	Effects of various π -conjugated spacers in thiadiazole[3,4-c]pyridine-cored panchromatic organic dyes for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3103-3112	13	36
107	Bulky dendritic triarylamine-based organic dyes for efficient co-adsorbent-free dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2013 , 237, 195-203	8.9	36
106	A visible-near-infrared absorbing A-D-D-A type dimeric-porphyrin donor for high-performance organic solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 25460-25468	13	35
105	Synthesis, Characterization, and Photophysical Properties of Some Heterodimetallic Bisporphyrins of Ytterbium and Transition Metals [Enhancement and Lifetime Extension of Yb ³⁺ Emission by Transition-Metal Porphyrin Sensitization. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 3365-3374	2.3	35
104	Synthesis, Characterization and Near-Infrared Photoluminescence of Monoporphyrinate Lanthanide Complexes Containing an Anionic Tripodal Ligand. <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 837-845	2.3	34

103	Synthesis, structure and near-infrared (NIR) luminescence of three solvent-induced pseudo-polymorphic complexes from a bimetallic ZnNd Schiff-base molecular unit. <i>Inorganic Chemistry Communication</i> , 2008 , 11, 1316-1319	3.1	33
102	Highly efficient white organic light-emitting diodes with single small molecular emitting material. <i>Applied Physics Letters</i> , 2007 , 91, 183504	3.4	32
101	pH-Dependent Cancer-Directed Photodynamic Therapy by a Water-Soluble Graphitic-Phase Carbon Nitride-Porphyrin Nanoprobe. <i>ChemPlusChem</i> , 2016 , 81, 535-540	2.8	32
100	Syntheses and Crystal Structures of Tetrakis(arylamidine)nickel(II) Chloride and Bis[2,4-dipyridyl-1,3,5-triazapentadienato]nickel(II). <i>European Journal of Inorganic Chemistry</i> , 2004 , 2004, 267-275	2.3	31
99	PMMA-supported hybrid materials doped with highly near-infrared (NIR) luminescent complexes [Zn(L1)(Py)Ln(L2)3] (Ln = Nd, Yb or Er). <i>New Journal of Chemistry</i> , 2015 , 39, 3698-3707	3.6	30
98	Near-infrared (NIR) luminescent metallopolymer based on Ln ₄ (Salen) ₄ nanoclusters (Ln = Nd or Yb). <i>Journal of Materials Chemistry C</i> , 2014 , 2, 1489	7.1	29
97	First Examples of Near-Infrared Luminescent Poly(methyl methacrylate)-Supported Metallopolymer Based on Zn ₂ Ln-Arrayed Schiff Base Complexes. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 2839-2848	2.3	28
96	Synthesis, Characterization, Singlet-Oxygen Photogeneration, DNA Photocleavage and Two-Photon-Absorption Properties of Some (4-Cyanophenyl)porphyrins. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 922-928	2.3	28
95	Unsymmetrical exo-dentate INligand for further self-assembly with the ZnNd Salen-type Schiff-base ligands. <i>Inorganic Chemistry Communication</i> , 2009 , 12, 267-271	3.1	28
94	Synthesis and crystal structure of the first lanthanide complex of N-confused porphyrin with an eta ² agostic C-H interaction. <i>Chemical Communications</i> , 2005 , 1022-4	5.8	28
93	Electrophilic attack on the [μ ³ -acetyl-C1(Fe1 : Fe2)O(Fe1 : Fe3)]nonacarbonyl-triangulo-triferrate(1 ⁻) anion by fluoroboric acid and methyl fluorosulphate. Carbon-oxygen bond cleavage to give μ ³ -ethylidyne and μ-methoxy-groups. X-Ray crystal structures of Fe ₃ (CO) ₉ (μ ³ -MeCO)(μ ³ -H), Fe ₃ (CO) ₉ (μ ³ -CMe)(μ ³ -OMe), and		28
92	Synthesis, characterization and near-infrared photoluminescent studies of diethyl malonate appended mono-porphyrinate lanthanide complexes. <i>Dalton Transactions</i> , 2003 , 980-986	4.3	27
91	Synthesis, characterization and crystal structures of neutral mono- and di-nuclear lanthanide(III) porphyrinate complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 3053-3062		27
90	Photocytotoxicity, cellular uptake and subcellular localization of amidinophenylporphyrins as potential photodynamic therapeutic agents: An in vitro cell study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 4513-7	2.9	26
89	Transformation of a Luminescent Benzimidazole-Based Yb ₃ Cluster into a One-Dimensional Coordination Polymer. <i>Crystal Growth and Design</i> , 2010 , 10, 970-976	3.5	26
88	An amphiphilic bisporphyrin and its Yb(III) complex: development of a bifunctional photodynamic therapeutic and near-infrared tumor-imaging agent. <i>ChemBioChem</i> , 2008 , 9, 1034-9	3.8	26
87	Monoporphyrinate neodymium (III) complexes stabilized by tripodal ligand: synthesis, characterization and luminescence. <i>Inorganica Chimica Acta</i> , 2004 , 357, 4379-4388	2.7	26
86	Co-existence of heterometallic Zn ₂ Er and ZnEr arrayed chromophores for the sensitization of near-infrared (NIR) luminescence. <i>Inorganic Chemistry Communication</i> , 2009 , 12, 1216-1219	3.1	25

85	A Highly Selective Fluorescent Chemosensor for Hg ²⁺ in Aqueous Solution. <i>Chemistry Letters</i> , 2005 , 34, 934-935	1.7	25
84	Panchromatic light harvesting by N719 with a porphyrin molecule for high-performance dye-sensitized solar cells. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 3521	7.1	24
83	Synthesis, Structure, and Photophysical Properties of Some Gadolinium(III) Porphyrinate Complexes. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 3314-3320	2.3	24
82	Synthesis, characterization, and DNA-binding and -photocleavage properties of water-soluble lanthanide porphyrinate complexes. <i>Chemistry - A European Journal</i> , 2011 , 17, 7041-52	4.8	24
81	Impressive near-infrared brightness and singlet oxygen generation from strategic lanthanide-porphyrin double-decker complexes in aqueous solution. <i>Light: Science and Applications</i> , 2019 , 8, 46	16.7	23
80	New simple panchromatic dyes based on thiadiazolo[3,4-c]pyridine unit for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2014 , 102, 196-203	4.6	23
79	Anion-induced near-infrared (NIR) luminescent Zn ₂ Nd and ZnNd complexes based on the pure Salen-type Schiff-base ligand. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 75-78	3.1	23
78	Self-Assembly of Luminescent Platinum-Salen Schiff-Base Complexes. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 523-528	2.3	23
77	The Template Effect of Palladium(II): Synthesis, Characterization, and Crystal Structures of 2,4-Substituted 1,3,5-Triazapentadienatopalladium(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2006 , 2006, 3634-3640	2.3	23
76	Synthesis and luminescence of a novel conjugated europium complex with 6-parachloroaniline carbonyl 2-pyridine carboxylic acid. <i>Journal of Luminescence</i> , 2002 , 99, 155-160	3.8	23
75	X-Ray crystal structure and chemical transformations of the neutral metal formyl [(C ₅ H ₅)Re(PPh ₃)(NO)(CHO)]. <i>Journal of the Chemical Society Chemical Communications</i> , 1979 , 530-532		23
74	Effective enhancement of near-infrared emission by carbazole modification in the ZnNd bimetallic Schiff-base complexes. <i>Inorganic Chemistry Communication</i> , 2012 , 20, 41-45	3.1	22
73	Fast uptake, water-soluble, mitochondria-specific erbium complex for a dual function molecular probe imaging and photodynamic therapy. <i>RSC Advances</i> , 2013 , 3, 382-385	3.7	22
72	Highly selective and responsive visible to near-IR ytterbium emissive probe for monitoring mercury(II). <i>Chemistry - A European Journal</i> , 2014 , 20, 970-3	4.8	21
71	Reactivity of Cationic Lanthanide(III) Monoporphyrinates towards Anionic Cyanometallates Preparation, Crystal Structure, and Luminescence Properties of Cyanido-Bridged Di- and Trinuclear d ⁰ Complexes. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 3515-3523	2.3	21
70	Synthesis, structure and near-infrared (NIR) luminescence of series of Zn ₂ Ln (Ln=Nd, Yb or Er) complexes based on the Salen-type Schiff-base ligand with the flexible linker. <i>Inorganic Chemistry Communication</i> , 2012 , 20, 33-36	3.1	20
69	Porphyrin-based ytterbium complexes targeting anionic phospholipid membranes as selective biomarkers for cancer cell imaging. <i>Chemical Communications</i> , 2013 , 49, 7252-4	5.8	20
68	Synthesis, characterization and photoluminescence properties of monoporphyrinate lanthanide complexes. <i>Synthetic Metals</i> , 2004 , 143, 81-87	3.6	20

67	Synthesis and characterization of iron(2+) and ruthenium(2+) diimino-, diamino- and diamido-diphosphine complexes. X-ray crystal structure of trans-RuCl ₂ (P ₂ N ₂ C ₂ H ₄) *d CHCl ₃ . <i>Polyhedron</i> , 1996 , 15, 1241-1251	2.7	20
66	Chemically driven supramolecular self-assembly of porphyrin donors for high-performance organic solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14675-14680	13	20
65	Single-component Eu ³⁺ /Tb ³⁺ /Cd ³⁺ -grafted polymer with ultra-high color rendering index white-light emission. <i>RSC Advances</i> , 2017 , 7, 6762-6771	3.7	19
64	Synthesis, circular dichroism, DNA cleavage and singlet oxygen photogeneration of 4-aminophenyl porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2012 , 16, 85-92	1.8	19
63	Synthesis, Crystal Structure, and Photophysical Properties of Novel (Monophthalocyaninato)lanthanide Complexes Stabilized by an Organometallic Tripodal Ligand. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 1243-1247	2.3	19
62	Synthesis, excitation energy transfer and singlet oxygen photogeneration of covalently linked N-confused porphyrin-porphyrin and Zn(II) porphyrin dyads. <i>Tetrahedron Letters</i> , 2010 , 51, 664-668	2	19
61	Antibacterial effects of a monoporphyryrato ytterbium(III) complex and its free components on <i>Staphylococcus aureus</i> as determined by stop-flow microcalorimetry. <i>Chemistry and Biodiversity</i> , 2007 , 4, 1492-500	2.5	19
60	Fluorescent Ethenyl- and Ethynyl-dimesitylboranes Derived from 5-(Dimethylamino)-N-(prop-2-ynyl)naphthalene-1-sulfonamide. <i>Australian Journal of Chemistry</i> , 2007 , 60, 915	1.2	17
59	Synthesis, Photophysical Characterization, and Surface Photovoltage Spectra of Windmill-Shaped Phthalocyanine-Porphyrin Heterodimers and Heteropentamers. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 119-128	2.3	17
58	Synthesis, Structure and Spectroscopic Properties of Lanthanide Complexes of N-Confused Porphyrins. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 3151-3162	2.3	17
57	Synthesis, Characterization, and Near-Infrared Photoluminescence of Novel Neodymium(III) Complexes. <i>Australian Journal of Chemistry</i> , 2004 , 57, 803	1.2	17
56	Facile Preparation of Phthalocyanine-Based Nanodots for Photoacoustic Imaging and Photothermal Cancer Therapy In Vivo. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 5230-5239	5.5	17
55	Highly efficient and stable white light organic light-emitting devices. <i>Applied Physics Letters</i> , 2007 , 91, 073517	3.4	16
54	Synthesis, structure and photoluminescence of novel lanthanide (Tb(III), Gd(III)) complexes with 6-diphenylamine carbonyl 2-pyridine carboxylate. <i>Journal of Alloys and Compounds</i> , 2004 , 368, 326-332	5.7	16
53	Preparation of chiral diimino- and diaminodiphosphine ligands and their CuI and AgI complexes. X-ray crystal structures of [Cu(1S,2S-cyclohexyl-P ₂ N ₂)](PF ₆) and [Ag(1R,2R-cyclohexyl-P ₂ N ₂ H ₄)](BF ₄). <i>Polyhedron</i> , 1996 , 15, 4447-4460	2.7	16
52	Bsoform specific erbium complexes highly specific for bladder cancer imaging and photodynamic therapy. <i>Chemical Communications</i> , 2017 , 53, 557-560	5.8	15
51	Temperature-dependent self-assembly of near-infrared (NIR) luminescent Zn ₂ Ln and Zn ₂ Ln ₃ (Ln=Nd, Yb or Er) complexes from the flexible Salen-type Schiff-base ligand. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 132, 205-14	4.4	15
50	Photo-luminescent hetero-trinuclear Zn ₂ Ln (Ln = Nd, Yb, Er or Gd) complexes based on the binuclear Zn ₂ L precursor. <i>Inorganic Chemistry Communication</i> , 2012 , 24, 148-152	3.1	15

49	Adjustment of coordination environment of Ln ³⁺ ions to modulate near-infrared luminescent properties of Ln ³⁺ complexes. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 200-204	3.1	15
48	Synthesis and X-ray crystal structure of an unexpected neutral oxalate-bridged ytterbium(III) porphyrinate dimer. <i>Dalton Transactions RSC</i> , 2000 , 2245-2246		15
47	Pendant Functionalised Triphosphamacrocycles. <i>European Journal of Inorganic Chemistry</i> , 2001 , 2001, 2865	2.3	14
46	Synthesis, structure and catalytic activity of ruthenium diaminodiphosphine complexes. <i>Dalton Transactions RSC</i> , 2002 , 1139-1146		14
45	Bladder Cancer Photodynamic Therapeutic Agent with Off-On Magnetic Resonance Imaging Enhancement. <i>Advanced Therapeutics</i> , 2019 , 2, 1900068	4.9	13
44	An Amphiphilic BODIPY-Porphyrin Conjugate: Intense Two-Photon Absorption and Rapid Cellular Uptake for Two-Photon-Induced Imaging and Photodynamic Therapy. <i>ChemBioChem</i> , 2015 , 16, 2357-64	3.8	13
43	Acetylene bridged porphyrin-monophthalocyaninato ytterbium(III) hybrids with strong two-photon absorption and high singlet oxygen quantum yield. <i>Dalton Transactions</i> , 2012 , 41, 4536-43	4.3	13
42	Synthesis and structural characterization of some arylamidinium diphenylphosphinates: Formation of one-, two- and three-dimensional networks by charge-assisted hydrogen bonds. <i>Polyhedron</i> , 2005 , 24, 927-939	2.7	13
41	Microcalorimetric and spectroscopic investigation of the antibacterial properties of cationic ytterbium(III)-porphyrin complexes lacking charged peripheral groups. <i>Chemistry and Biodiversity</i> , 2007 , 4, 2889-99	2.5	12
40	Synthesis and luminescence of a novel conjugated europium complex with 6-paramethylaniline carbonyl 2-pyridine carboxylate. <i>Journal of Alloys and Compounds</i> , 2003 , 352, 143-147	5.7	12
39	Gallium and Functionalized-Porphyrins Combine to Form Potential Lysosome-Specific Multimodal Bioprobes. <i>Inorganic Chemistry</i> , 2016 , 55, 6839-41	5.1	11
38	Hetero-binuclear near-infrared (NIR) luminescent Zn-Nd complexes self-assembled from the benzimidazole-based ligands. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 98, 359-66	4.4	11
37	Synthesis of new mer,trans-rhodium(III) hydrido-bis(acetylide) complexes: Structure of mer,trans-[(PMe ₃) ₃ Rh(CCCl ₆ H ₄ -4-NMe ₂) ₂ H]. <i>Inorganica Chimica Acta</i> , 2006 , 359, 2859-2863	2.7	11
36	Effect of CNTs on direct oxidation of cyclohexene catalyzed by ruthenium diaminodiphosphine complex. <i>Journal of Molecular Catalysis A</i> , 2003 , 193, 71-75		11
35	Synthesis and crystal structures of tetraethylammonium μ -3-acetyl-C1-(Fe ^I Fe ^{II})O(Fe ^I Fe ^{III})-nonacarbonyl-triangulo-triferrate and tetraethyl-ammonium μ -carbonyl-nonacarbonyl- μ -3-2,4-dioxapentylidyne-triangulo-triferrate. <i>Journal of the Chemical Society Dalton Transactions</i> , 1981 , 2496-2500		11
34	Synthesis and two-photon absorption properties of unsymmetrical metallosalophen complexes. <i>Polyhedron</i> , 2013 , 49, 121-128	2.7	10
33	Novel ebselen-porphyrin conjugates: synthesis and nucleic acid interaction study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 4266-70	2.9	10
32	Reactivity of chiral diiminodiphosphine ligands towards PdCl ₂ (PhCN) ₂ : synthesis and crystal structures of two unexpected dinuclear palladium(II) complexes. <i>Dalton Transactions RSC</i> , 2000 , 1397-1398		10

31	Synthesis and X-ray crystal structures of [Ph ₂ PMe ₂][[(η -C ₅ H ₄ But) ₂ Li] and [(η -C ₅ H ₄ But) ₂ Yb(Cl)CH ₂ P(Me)Ph ₂]. <i>Polyhedron</i> , 1996 , 15, 4593-4597	2.7	10
30	Lanthanide-tetrapyrrole complexes: synthesis, redox chemistry, photophysical properties, and photonic applications. <i>Chemical Society Reviews</i> , 2021 , 50, 12189-12257	58.5	10
29	Synthesis, crystal structure and photophysical study of luminescent three-coordinate cuprous bromide complexes based on pyrazole derivatives. <i>Journal of Coordination Chemistry</i> , 2016 , 69, 926-933	1.6	9
28	Enhanced light-harvesting of benzodithiophene conjugated porphyrin electron donors in organic solar cells. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 380-386	7.1	9
27	π -Functionalized Imidazole-Fused Porphyrin-Donor-Based Dyes: Effect of π -Linker and Acceptor on Optoelectronic and Photovoltaic Properties. <i>ChemistrySelect</i> , 2018 , 3, 2558-2564	1.8	8
26	A reversible biocompatible turn-on fluorescent probe for the detection of mercury(II). <i>Journal of Luminescence</i> , 2016 , 170, 187-193	3.8	8
25	Investigation of Antibacterial Activity of Two Kinds of Novel Schiff Bases on Escherichia coli by Microcalorimetry. <i>Chinese Journal of Chemistry</i> , 2006 , 24, 1295-1300	4.9	7
24	Synthesis, Chemistry, and Catalytic Activity of Ruthenium Diaminodiphosphane Complexes \square Crystal Structures of trans-[RuCl ₂ { β -Ph ₂ PC ₆ H ₄ CH=NC ₆ H ₁₀ N(H)CH ₂ C ₆ H ₄ PPh ₂ }(PPh ₃)] and cis-[RuCl ₂ { β -Ph ₂ PC ₆ H ₄ CH=NC ₆ H ₁₀ N(H)CH ₂ C ₆ H ₄ PPh ₂ }]]. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 331-337	2.3	7
23	SILAC-based quantitative proteomics identified lysosome as a fast response target to PDT agent Gd-N induced oxidative stress in human ovarian cancer IGROV1 cells. <i>Molecular BioSystems</i> , 2015 , 11, 3059-67		6
22	Formation and luminescence of 1D helical polymeric excimer from Pt-MeO-salen precursor. <i>Inorganic Chemistry Communication</i> , 2008 , 11, 699-702	3.1	6
21	Dalton communications. Synthesis and crystal structure of [RuCl ₂ (PPh ₃){N(SiMe ₃)C(Ph)NH(PPh ₂)}]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995 , 3087		6
20	Synthesis and characterization of chiral diimino- and diaminodiphosphine complexes of ruthenium. X-ray crystal structure of Trans- RuCl ₂ (1R,2R-cyclohexyl-P ₂ N ₂)(C ₆ H ₅ CH ₃). <i>Polyhedron</i> , 1996 , 15, 3905-3907	2.7	6
19	Effects of peripheral substitutions on the singlet oxygen quantum yields of monophthalocyaninato ytterbium(III) complexes. <i>RSC Advances</i> , 2015 , 5, 22294-22299	3.7	5
18	Near-infrared (NIR) luminescent hetero-tetranuclear Zn ₂ Ln ₂ (Ln = Nd, Yb or Er) complexes self-assembled from the benzimidazole-based HL and two rigid 4,4'-bipyridine ligands with different spacers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 116, 102-110	4.4	5
17	Hetero-trinuclear near-infrared (NIR) luminescent ZnLn ₂ (Ln = Nd, Yb or Er) complexes based on monomer ZnL Schiff-base precursor and o-vanillin. <i>Inorganic Chemistry Communication</i> , 2013 , 36, 11-13	3.1	5
16	Synthesis of novel diselenide-linked porphyrin dimers under phase-transfer catalysis condition and their interactions with DNA. <i>Chemistry and Biodiversity</i> , 2009 , 6, 1131-43	2.5	5
15	Further insight into aryl nitration of tetraphenylporphyrin. <i>Tetrahedron</i> , 2011 , 67, 6030-6035	2.4	5
14	An ultrasonic wave-assisted synthesis of meso-amidinophenyl substituted porphyrins. <i>Tetrahedron Letters</i> , 2008 , 49, 2114-2118	2	5

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| 13 | Synthesis and structure of a novel Pd(0)Pd(IV)Pd(IV)Pd(0) mixed-valence complex. <i>Inorganic Chemistry Communication</i> , 2004 , 7, 737-740 | 3.1 | 5 |
| 12 | Synthesis, Characterization, and Photophysical Properties of First Heterobinuclear Zn-Ln (Ln = La, Nd, Eu, Gd, Tb, Er, and Yb) Complexes Based on Asymmetric Schiff-Base Ligand. <i>Spectroscopy Letters</i> , 2013 , 46, 109-116 | 1.1 | 4 |
| 11 | Hetero-binuclear near-infrared (NIR) luminescent ZnLn (Ln = Nd, Yb or Er) complexes self-assembled from the benzimidazole-based ligand. <i>Inorganic Chemistry Communication</i> , 2012 , 22, 126-130 | 3.1 | 4 |
| 10 | In vivo antitumour activity of amphiphilic silicon(IV) phthalocyanine with axially ligated rhodamine B. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 2373-6 | 2.9 | 4 |
| 9 | Synthesis of New Monoporphyrinato Lanthanide Complexes for Potential Use in Optical Limiting. <i>Chemistry Letters</i> , 2006 , 35, 802-803 | 1.7 | 4 |
| 8 | Synthesis and characterization of silver(I) complexes [AgL] ₂ [BF ₄] ₂ and [Ag(OAc)L] ₂ [L=(CH ₂ NHCOC ₂ H ₄ PPh ₂) ₂]. <i>Inorganic Chemistry Communication</i> , 2003 , 6, 1315-1318 | 3.1 | 4 |
| 7 | Photo-luminescent hetero-tetranuclear Zn ₂ Ln ₂ (Ln=Nd, Yb, Er, Gd, Eu or Tb) complexes self-assembled from the benzimidazole-based HL and bpe. <i>Inorganic Chemistry Communication</i> , 2013 , 35, 213-216 | 3.1 | 3 |
| 6 | Fluorescent Properties of the Amidinophenylporphyrins Interacting with DNA. <i>Chinese Journal of Chemistry</i> , 2012 , 30, 529-533 | 4.9 | 3 |
| 5 | One-Step Synthesis of Cyclohexanone from Benzene with O ₂ /H ₂ Catalyzed by Ruthenium Diaminodiphosphine Complex. <i>Catalysis Letters</i> , 2004 , 92, 25-27 | 2.8 | 3 |
| 4 | Synthesis and X-ray crystal structure of [(C ₅ Me ₅)Ru(P ₂ N ₂)] ₂ [ZnCl ₄] · 2H ₂ O. <i>Polyhedron</i> , 1996 , 15, 1575-1577 | 15.7 | 3 |
| 3 | Photophysics of three delocalized lipophilic cations in reverse micelles: A fluorescence spectroscopy study. <i>Journal of Luminescence</i> , 2013 , 134, 830-836 | 3.8 | 1 |
| 2 | Synthesis, characterization and oscillator-vibrated near-infrared (NIR) luminescence of two pseudo-polymorphic [Yb ₄ ((OH) ₂ -Salophen) ₄] complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 142, 188-95 | 4.4 | 1 |
| 1 | Heterobinuclear Zn-Ln (Ln = La, Nd, Eu, Gd, Tb, Er and Yb) complexes based on asymmetric Schiff-base ligand: synthesis, characterization and photophysical properties. <i>Luminescence</i> , 2013 , 28, 690-5 | 2.5 | 1 |