

Shek-Man Yiu

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62

papers

1,023

citations

17

h-index

30

g-index

68

ext. papers

1,278

ext. citations

7.2

avg, IF

4.36

L-index

#	Paper	IF	Citations
62	Efficient catalytic oxidation of alkanes by Lewis acid/[Os(VI)(N)Cl ₄]- using peroxides as terminal oxidants. Evidence for a metal-based active intermediate. <i>Journal of the American Chemical Society</i> , 2008 , 130, 10821-7	16.4	98
61	Selectivity control of CO versus HCOOH production in the visible-light-driven catalytic reduction of CO ₂ with two cooperative metal sites. <i>Nature Catalysis</i> , 2019 , 2, 801-808	36.5	77
60	Dual Homogeneous and Heterogeneous Pathways in Photo- and Electrocatalytic Hydrogen Evolution with Nickel(II) Catalysts Bearing Tetradentate Macrocyclic Ligands. <i>ACS Catalysis</i> , 2015 , 5, 356-364	12.1	62
59	FeCl ₃ -activated oxidation of alkanes by [Os(N)O ₃]-. <i>Journal of the American Chemical Society</i> , 2004 , 126, 14921-9	16.4	55
58	Topologically diverse shape-persistent bis-(Zn-salphen) catalysts: efficient cyclic carbonate formation under mild conditions. <i>Chemical Communications</i> , 2016 , 52, 1017-20	5.8	48
57	Synthesis, Characterization, and Photophysical and Emission Solvatochromic Study of Rhenium(I) Tetra(isocyano) Diimine Complexes. <i>Organometallics</i> , 2011 , 30, 2701-2711	3.8	47
56	Syntheses and photophysical studies of new classes of luminescent isocyano rhenium(I) diimine complexes. <i>Coordination Chemistry Reviews</i> , 2012 , 256, 1546-1555	23.2	43
55	Osmium(VI) nitrido complexes bearing azole heterocycles: a new class of antitumor agents. <i>Chemical Science</i> , 2012 , 3, 1582	9.4	38
54	Synthesis, characterization, and photophysical study of luminescent rhenium(I) diimine complexes with various types of N-heterocyclic carbene ligands. <i>Inorganic Chemistry</i> , 2014 , 53, 3022-31	5.1	37
53	Luminescent Rhenium(I) Phenanthroline Complexes with a Benzoxazol-2-ylidene Ligand: Synthesis, Characterization, and Photophysical Study. <i>Organometallics</i> , 2012 , 31, 7074-7084	3.8	36
52	Multi-targeted organometallic ruthenium(II)-arene anticancer complexes bearing inhibitors of poly(ADP-ribose) polymerase-1: A strategy to improve cytotoxicity. <i>Journal of Inorganic Biochemistry</i> , 2014 , 131, 47-55	4.2	35
51	Cytotoxic (salen)ruthenium(III) anticancer complexes exhibit different modes of cell death directed by axial ligands. <i>Chemical Science</i> , 2017 , 8, 6865-6870	9.4	33
50	Strongly phosphorescent neutral rhenium(I) isocyanoborato complexes: synthesis, characterization, and photophysical, electrochemical, and computational studies. <i>Chemistry - A European Journal</i> , 2015 , 21, 2603-12	4.8	33
49	Facile N...N coupling of manganese(V) imido species. <i>Journal of the American Chemical Society</i> , 2007 , 129, 803-9	16.4	31
48	Luminescent Rhenium(I) Pyridyldiaminocarbene Complexes: Photophysics, Anion-Binding, and CO ₂ -Capturing Properties. <i>Inorganic Chemistry</i> , 2016 , 55, 7969-79	5.1	30
47	Mono- and di-bromo platinum(IV) prodrugs via oxidative bromination: synthesis, characterization, and cytotoxicity. <i>Dalton Transactions</i> , 2015 , 44, 19918-26	4.3	20
46	Phosphonium-Ring-Fused Bicyclic Metallafuran Complexes of Ruthenium and Osmium. <i>Chemistry - A European Journal</i> , 2019 , 25, 9159-9163	4.8	17

45	Synthesis, characterization, photophysics and electrochemical study of luminescent iridium(III) complexes with isocyanoborate ligands. <i>Dalton Transactions</i> , 2015 , 44, 15135-44	4.3	17
44	Highly Selective and Efficient Ring Hydroxylation of Alkylbenzenes with Hydrogen Peroxide and an Osmium(VI) Nitrido Catalyst. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12260-12263	16.4	16
43	Ligand-Accelerated Activation of Strong C-H Bonds of Alkanes by a (Salen)ruthenium(VI) Nitrido Complex. <i>Angewandte Chemie</i> , 2012 , 124, 9235-9238	3.6	15
42	Oxygen evolution from BF ₃ /MnO ₄ ⁻ . <i>Chemical Communications</i> , 2011 , 47, 4159-61	5.8	14
41	A Highly Reactive Seven-Coordinate Osmium(V) Oxo Complex: [Os(V)(O)(qpy)(pic)Cl](2+). <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 288-91	16.4	14
40	Luminescent Charge-Neutral Copper(I) Phenanthroline Complexes with Isocyanoborate Ligand. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 897-903	2.3	14
39	Ruthenium-indolizone complexes as a new class of metalated heterocyclic compounds: insight into unconventional alkyne activation pathways, revelation of unexpected electronic properties and exploration of medicinal application. <i>Dalton Transactions</i> , 2018 , 47, 12838-12842	4.3	13
38	Mechanochemical changes on cyclometalated Ir(III) acyclic carbene complexes [Design and tuning of luminescent mechanochromic transition metal complexes. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 786-794	6.8	13
37	Synergistical Dipole-Dipole Interaction Induced Self-Assembly of Phenoxazine-Based Hole-Transporting Materials for Efficient and Stable Inverted Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 20437-20442	16.4	13
36	Intermediates in the Oxidative Degradation of a Ruthenium-Bound 2,2'-BipyridylPhenoxy Ligand during Catalytic Water Oxidation. <i>ChemCatChem</i> , 2018 , 10, 501-504	5.2	12
35	Design of Luminescent Isocyano Rhenium(I) Complexes: Photophysics and Effects of the Ancillary Ligands. <i>Inorganic Chemistry</i> , 2018 , 57, 13963-13972	5.1	10
34	Dual Pathways in the Oxidation of an Osmium(III) Guanidine Complex. Formation of Osmium(VI) Nitrido and Osmium Nitrosyl Complex. <i>Inorganic Chemistry</i> , 2017 , 56, 2022-2028	5.1	9
33	Luminescence behaviour of Pb-based cage-containing and channel-containing porous coordination polymers. <i>Dalton Transactions</i> , 2016 , 45, 16134-16138	4.3	9
32	Generation and Reactivity of a One-Electron-Oxidized Manganese(V) Imido Complex with a Tetraamido Macrocyclic Ligand. <i>Chemistry - A European Journal</i> , 2019 , 25, 12895-12899	4.8	9
31	Aerobic Oxidation of an Osmium(III) N-Hydroxyguanidine Complex To Give Nitric Oxide. <i>Inorganic Chemistry</i> , 2016 , 55, 5056-61	5.1	9
30	Design and Synthesis of Luminescent Bis(isocyanoborato) Rhenate(I) Complexes as a Selective Sensor for Cyanide Anion. <i>Organometallics</i> , 2020 , 39, 2135-2141	3.8	8
29	Tunable Luminescent Properties of Tricyanoosmium Nitrido Complexes Bearing a Chelating O ⁻ N Ligand. <i>Inorganic Chemistry</i> , 2020 , 59, 4406-4413	5.1	7
28	Platinated benzonaphthyrindone is a stronger inhibitor of poly(ADP-ribose) polymerase-1 and a more potent anticancer agent than is the parent inhibitor. <i>European Journal of Medicinal Chemistry</i> , 2014 , 71, 366-73	6.8	7

27	Acid-induced formation of hydrogen-bonded double helix based on chiral polyphenyl-bridged bis(2,2'-bipyridine) ligands. <i>RSC Advances</i> , 2014 , 4, 14513-14526	3.7	7
26	Luminescent Neutral Cyclometalated Iridium(III) Complexes Featuring a Cubic Polyhedral Oligomeric Silsesquioxane for Lipid Droplet Imaging and Photocytotoxic Applications. <i>Inorganic Chemistry</i> , 2021 , 60, 11672-11683	5.1	7
25	Oxidation of hydroquinones by a (salen)ruthenium(vi) nitrido complex. <i>Chemical Communications</i> , 2016 , 52, 11430-11433	5.8	6
24	Electronic Communication in Luminescent Dicyanorhenate-Bridged Homotrinnuclear Rhenium(I) Complexes. <i>Inorganic Chemistry</i> , 2019 , 58, 6696-6705	5.1	5
23	Ru(II)- and Os(II)-Induced Cycloisomerization of Phenol-Tethered Alkyne for Functional Chromene and Chromone Complexes. <i>Organometallics</i> , 2020 , 39, 1299-1309	3.8	5
22	Complex Metal-Organic Frameworks from Symmetrically Backfolded Dendrimers. <i>ChemistrySelect</i> , 2016 , 1, 4075-4081	1.8	5
21	A Highly Reactive Seven-Coordinate Osmium(V) Oxo Complex: [OsV(O)(qpy)(pic)Cl] ₂ ⁺ . <i>Angewandte Chemie</i> , 2016 , 128, 296-299	3.6	5
20	Functionalization of Alkynes by a (Salen)ruthenium(VI) Nitrido Complex. <i>Angewandte Chemie</i> , 2014 , 126, 8603-8606	3.6	4
19	Conventional and unconventional alkyne activations by Ru and Os for unprecedented dimetalated quinolinium complexes. <i>Chemical Communications</i> , 2020 , 56, 8908-8911	5.8	4
18	The Important Role of Coordination Geometry on Photophysical Properties of Blue-Green Emitting Ruthenium(II) Diisocyano Complexes Bearing 2-Benzoxazol-2-ylphenolate. <i>Inorganic Chemistry</i> , 2019 , 58, 11372-11381	5.1	3
17	Group 4 Post-Metallocenes Supported by [OCH ₂ N,C(ary)] Auxiliaries Bearing a Seven-Membered Metallacycle: Synthesis, Characterization, and Catalysts for Olefin Polymerization. <i>Organometallics</i> , 2019 , 38, 2963-2971	3.8	3
16	Olefin Polymerization Reactivity of Group 4 Post-Metallocene Catalysts Bearing a Four-Membered C(sp ³)-Donor Chelate Ring. <i>ChemCatChem</i> , 2019 , 11, 628-635	5.2	3
15	Controlled Activation of Dipicolinyl-Substituted Propargylic Alcohol by Ru(II) and Os(II) for Unprecedented Indolizine-Fused Metallafuran Complexes. <i>Organometallics</i> , 2021 , 40, 2458-2466	3.8	2
14	Development of Dual Phosphorescent Materials Based on Multiple Stimuli-Responsive Ir(III) Acyclic Carbene Complexes. <i>CCS Chemistry</i> , 2345-2359	7.2	2
13	A New Tetradentate Mixed Aza-Thioether Macrocyclic and Its Complexation Behavior towards Fe(II), Ni(II) and Cu(II) Ions. <i>Molecules</i> , 2020 , 25,	4.8	1
12	Reduction of Ru ²⁺ N to Ru-NH by Cysteine in Aqueous Solution. <i>Inorganic Chemistry</i> , 2018 , 57, 5850-5858	5.1	1
11	Efficient Pyrazolo[5,4-f]quinoxaline Functionalized Os(II) Based Emitter with an Electroluminescence Peak Maximum at 811 nm. <i>Chemistry - A European Journal</i> , 2021 , 28, e202103202	4.8	1
10	Luminescent monomeric and dimeric Ru(II) acyclic carbene complexes as selective sensors for NH ₃ /amine vapor and humidity. <i>Chemical Science</i> , 2021 , 12, 14103-14110	9.4	1

9	Slow magnetic relaxation in high-coordinate Co(II) and Fe(II) compounds bearing neutral tetradentate ligands. <i>Dalton Transactions</i> , 2021 , 50, 15327-15335	4.3	1
8	Iron(ii)-induced cycloisomerization of alkynes via "non-vinylidene" pathways for iron(ii)-indolizine and -indolizinone complexes. <i>Chemical Communications</i> , 2020 , 56, 12644-12647	5.8	1
7	Synergistical Dipole-Dipole Interaction Induced Self-Assembly of Phenoxazine-Based Hole-Transporting Materials for Efficient and Stable Inverted Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2021 , 133, 20600-20605	3.6	1
6	Room Temperature Aerobic Peroxidation of Organic Substrates Catalyzed by Cobalt(III) Alkylperoxo Complexes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14445-14450	16.4	1
5	Structure and Reactivity of a Manganese(VI) Nitrido Complex Bearing a Tetraamido Macrocyclic Ligand. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15863-15872	16.4	1
4	Stepwise Access of Emissive Ir(III) Complexes Bearing a Multi-Dentate Heteroaromatic Chelate: Fundamentals and Applications.. <i>Inorganic Chemistry</i> , 2022 , 61, 4384-4393	5.1	1
3	Catalytic water oxidation by an generated ruthenium nitrosyl complex bearing a bipyridine-bis(alkoxide) ligand. <i>Dalton Transactions</i> , 2021 , 50, 12316-12323	4.3	0
2	Luminescent rhenium(I) perfluorobiphenyl complexes as site-specific labels for peptides to afford photofunctional bioconjugates. <i>Chemical Communications</i> , 2021 , 57, 11256-11259	5.8	0
1	Highly Selective and Efficient Ring Hydroxylation of Alkylbenzenes with Hydrogen Peroxide and an Osmium(VI) Nitrido Catalyst. <i>Angewandte Chemie</i> , 2017 , 129, 12428-12431	3.6	