

Wai-Lun Man

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Osmium(^{vi}) nitride triggers mitochondria-induced oncosis and apoptosis. <i>Chemical Communications</i> , 2022, 58, 2468-2471.	4.1	5
2	Facile C–N bond cleavage of primary aliphatic amines by (salen)ruthenium(^{vi}) nitrido complexes. <i>Dalton Transactions</i> , 2022, 51, 5404-5408.	3.3	4
3	Structure and Reactivity of One- and Two-Electron Oxidized Manganese(V) Nitrido Complexes Bearing a Bulky Corrole Ligand. <i>Journal of the American Chemical Society</i> , 2022, 144, 7588-7593.	13.7	11
4	Oxidation of Hypophosphorous Acid by a Ruthenium(VI) Nitrido Complex in Aqueous Acidic Solution. Evidence for a Proton-Coupled N-Atom Transfer Mechanism. <i>Inorganic Chemistry</i> , 2022, 61, 10567-10574.	4.0	0
5	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.	13.7	10
6	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.	13.7	11
7	Visible light-induced oxidative ⁱ N-dealkylation of alkylamines by a luminescent osmium(^{vi}) nitrido complex. <i>Chemical Science</i> , 2021, 12, 14494-14498.	7.4	12
8	A cytotoxic nitrido-osmium(^{vi}) complex induces caspase-mediated apoptosis in HepG2 cancer cells. <i>Dalton Transactions</i> , 2020, 49, 17173-17182.	3.3	7
9	Precious-metal free photocatalytic production of an NADH analogue using cobalt diimine–dioxime catalysts under both aqueous and organic conditions. <i>Chemical Communications</i> , 2020, 56, 7491-7494.	4.1	9
10	Tunable Luminescent Properties of Tricyanoosmium Nitrido Complexes Bearing a Chelating O ^N Ligand. <i>Inorganic Chemistry</i> , 2020, 59, 4406-4413.	4.0	16
11	Selectivity control of CO versus HCOO [−] production in the visible-light-driven catalytic reduction of CO ₂ with two cooperative metal sites. <i>Nature Catalysis</i> , 2019, 2, 801-808.	34.4	153
12	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.	3.3	15
13	Photochemical nitrogenation of alkanes and arenes by a strongly luminescent osmium(VI) nitrido complex. <i>Communications Chemistry</i> , 2019, 2, .	4.5	26
14	Reduction of Ru ^{VI} ≡N to Ru ^{III} ≡NH ₃ by Cysteine in Aqueous Solution. <i>Inorganic Chemistry</i> , 2018, 57, 5850-5858.	4.0	2
15	Mechanism of Water Oxidation by Ferrate(VI) at pH ≈ 9. <i>Chemistry - A European Journal</i> , 2018, 24, 18735-18742.	3.3	23
16	Cytotoxic (salen)ruthenium(ⁱⁱⁱ) anticancer complexes exhibit different modes of cell death directed by axial ligands. <i>Chemical Science</i> , 2017, 8, 6865-6870.	7.4	46
17	Kinetics and Mechanism of the Reaction of a Ruthenium(VI) Nitrido Complex with HSO ₃ [−] and SO ₃ ^{2−} in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2016, 22, 10754-10758.	3.3	4
18	Aerobic Oxidation of an Osmium(III) N-Hydroxyguanidine Complex To Give Nitric Oxide. <i>Inorganic Chemistry</i> , 2016, 55, 5056-5061.	4.0	14

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19	Four-Electron Oxidation of Phenols to <i>p</i> -Benzoquinone Imines by a (Salen)ruthenium(VI) Nitrido Complex. <i>Journal of the American Chemical Society</i> , 2016, 138, 5817-5820.	13.7	25
20	Oxidation of hydroquinones by a (salen)ruthenium(^{vi}) nitrido complex. <i>Chemical Communications</i> , 2016, 52, 11430-11433.	4.1	7
21	Cerium(IV)-Driven Water Oxidation Catalyzed by a Manganese(V)-Nitrido Complex. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5246-5249.	13.8	74
22	Oxidation of ascorbic acid by a (salen)ruthenium(^{vi}) nitrido complex in aqueous solution. <i>Chemical Communications</i> , 2014, 50, 15799-15802.	4.1	10
23	Reactivity of Nitrido Complexes of Ruthenium(VI), Osmium(VI), and Manganese(V) Bearing Schiff Base and Simple Anionic Ligands. <i>Accounts of Chemical Research</i> , 2014, 47, 427-439.	15.6	91
24	Functionalization of Alkynes by a (Salen)ruthenium(VI) Nitrido Complex. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8463-8466.	13.8	22
25	Highly Efficient Alkane Oxidation Catalyzed by [Mn ^V (N)(CN) ₄] ²⁻ . Evidence for [Mn ^{VII} (N)(O)(CN) ₄] ²⁻ as an Active Intermediate. <i>Journal of the American Chemical Society</i> , 2014, 136, 7680-7687.	13.7	34
26	Synthesis and antitumor activity of a series of osmium(vi) nitrido complexes bearing quinolinolato ligands. <i>Chemical Communications</i> , 2013, 49, 9980.	4.1	35
27	C-N Bond Cleavage of Anilines by a (Salen)ruthenium(VI) Nitrido Complex. <i>Journal of the American Chemical Society</i> , 2013, 135, 5533-5536.	13.7	37
28	Chemical and Visible-Light-Driven Water Oxidation by Iron Complexes at pH...7-9: Evidence for Dual-Active Intermediates in Iron-Catalyzed Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1789-1791.	13.8	171
29	Osmium(vi) nitrido complexes bearingazole heterocycles: a new class of antitumor agents. <i>Chemical Science</i> , 2012, 3, 1582.	7.4	46
30	A novel triazidoruthenium(iii) building block for the construction of polynuclear compounds. <i>Dalton Transactions</i> , 2012, 41, 5794.	3.3	12
31	Catalytic reactions of chlorite with a polypyridylruthenium(ⁱⁱ) complex: disproportionation, chlorine dioxide formation and alcohol oxidation. <i>Chemical Communications</i> , 2012, 48, 1102-1104.	4.1	17
32	A cobalt(ii) quaterpyridine complex as a visible light-driven catalyst for both water oxidation and reduction. <i>Energy and Environmental Science</i> , 2012, 5, 7903.	30.8	186
33	Ligand-Accelerated Activation of Strong C-H Bonds of Alkanes by a (Salen)ruthenium(VI)-Nitrido Complex. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9101-9104.	13.8	60
34	Oxygen Atom Transfer from a trans-Dioxoruthenium(VI) Complex to Nitric Oxide. <i>Chemistry - A European Journal</i> , 2012, 18, 138-144.	3.3	5
35	Binuclear (salen)osmium phosphinidine and phosphinimato complexes. <i>Dalton Transactions</i> , 2011, 40, 1938.	3.3	13
36	Novel heterobimetallic ruthenium(iii)-cobalt(ii) compounds constructed from trans-[RuIII(Q)2(CN)2] ⁺ (Q = 8-quinolinolato): synthesis, structures and magnetic properties. <i>Chemical Communications</i> , 2011, 47, 8694.	4.1	17

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37	Osmium(vi) complexes as a new class of potential anti-cancer agents. <i>Chemical Communications</i> , 2011, 47, 2140.	4.1	46
38	Oxygen evolution from BF ₃ /MnO ₄ ²⁻ . <i>Chemical Communications</i> , 2011, 47, 4159.	4.1	14
39	Reaction of an Osmium(VI) Nitrido Complex with Cyanide: Formation and Reactivity of an Osmium(III) Hydrogen Cyanamide Complex. <i>Chemistry - A European Journal</i> , 2011, 17, 13044-13051.	3.3	33
40	New tricyanoiron(III) building blocks for the construction of molecule-based magnets. <i>Science China Chemistry</i> , 2010, 53, 2106-2111.	8.2	2
41	Reaction of a (Salen)ruthenium(VI) Nitrido Complex with Thiols. C-H Bond Activation by (Salen)ruthenium(IV) Sulfilamido Species. <i>Inorganic Chemistry</i> , 2010, 49, 73-81.	4.0	34
42	A novel tricyanoruthenium(III) building block for the construction of bimetallic coordination polymers. <i>Chemical Communications</i> , 2010, 46, 6102.	4.1	30
43	Formation of 1/4-dinitrogen (salen)osmium complexes via ligand-induced N≡N coupling of (salen)osmium(vi) nitrides. <i>Dalton Transactions</i> , 2010, 39, 11163.	3.3	32
44	Kinetics and Mechanism of the Oxidation of Ascorbic Acid in Aqueous Solutions by a <i>trans</i> -Dioxoruthenium(VI) Complex. <i>Inorganic Chemistry</i> , 2009, 48, 400-406.	4.0	28
45	Reaction of a (Salen)ruthenium(VI) Nitrido Complex with Isocyanide. <i>Inorganic Chemistry</i> , 2009, 48, 3080-3086.	4.0	24
46	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, 10821-10827.	13.7	102
47	Kinetics and Mechanisms of the Oxidation of Iodide and Bromide in Aqueous Solutions by a <i>trans</i> -Dioxoruthenium(VI) Complex. <i>Inorganic Chemistry</i> , 2008, 47, 6771-6778.	4.0	13
48	General Synthesis of (Salen)ruthenium(III) Complexes via N≡N Coupling of (Salen)ruthenium(VI) Nitrides. <i>Inorganic Chemistry</i> , 2008, 47, 5936-5944.	4.0	60
49	Proton-Bridged Dinuclear (salen)Ru Carbene Complexes: Synthesis, Structure, and Reactivity of [(salchda)Ru•C(OR)(CH•CPh ₂)] ₂ H ⁺ . <i>Organometallics</i> , 2008, 27, 324-326.	2.3	24
50	Solvent Effects on the Oxidation of Ru ^{IV} O to ORu ^{VI} O by MnO ₄ ⁻ . Hydrogen-Atom versus Oxygen-Atom Transfer. <i>Journal of the American Chemical Society</i> , 2007, 129, 13646-13652.	13.7	30
51	Mechanisms of oxidation by <i>trans</i> -dioxoruthenium(VI) complexes containing macrocyclic tertiary amine ligands. <i>Coordination Chemistry Reviews</i> , 2007, 251, 2238-2252.	18.8	35
52	Oxidation of Nitrite by a <i>trans</i> -Dioxoruthenium(VI) Complex: Direct Evidence for Reversible Oxygen Atom Transfer. <i>Journal of the American Chemical Society</i> , 2006, 128, 14669-14675.	13.7	25
53	Highly Electrophilic (Salen)ruthenium(VI) Nitrido Complexes. <i>Journal of the American Chemical Society</i> , 2004, 126, 478-479.	13.7	111
54	Direct Aziridination of Alkenes by a Cationic (Salen)ruthenium(VI) Nitrido Complex. <i>Journal of the American Chemical Society</i> , 2004, 126, 15336-15337.	13.7	86

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55	Facile Nucleophilic Addition to Salophen Coordinated to Nitridoosmium(VI). Journal of the American Chemical Society, 2001, 123, 12720-12721.	13.7	20
56	Ferromagnetic Ordering in a Diamond-Like Cyano-Bridged Mn ^{II} Ru ^{III} Bimetallic Coordination Polymer. Angewandte Chemie - International Edition, 2001, 40, 3031-3033.	13.8	89