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List of Publications by Year
in descending order

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56 papers	2,155 citations	236925 25 h-index	233421 45 g-index
62 all docs	62 docs citations	62 times ranked	2342 citing authors

#	Article	IF	Citations
1	A cobalt(ii) quaterpyridine complex as a visible light-driven catalyst for both water oxidation and reduction. Energy and Environmental Science, 2012, 5, 7903.	30.8	186
2	Chemical and Visibleâ€Lightâ€Driven Water Oxidation by Iron Complexes at pHâ€…7â€“9: Evidence for Dualâ€Active Intermediates in Ironâ€Catalyzed Water Oxidation. Angewandte Chemie - International Edition, 2013, 52, 1789-1791.	13.8	171
3	Selectivity control of CO versus HCOOâ¯ production in the visible-light-driven catalytic reduction of CO2 with two cooperative metal sites. Nature Catalysis, 2019, 2, 801-808.	34.4	153
4	Highly Electrophilic (Salen)ruthenium(VI) Nitrido Complexes. Journal of the American Chemical Society, 2004, 126, 478-479.	13.7	111
5	Efficient Catalytic Oxidation of Alkanes by Lewis Acid/[Os^{VI}(N)Cl₄]^{â¯} Using Peroxides as Terminal Oxidants. Evidence for a Metal-Based Active Intermediate. Journal of the American Chemical Society, 2008, 130, 10821-10827.	13.7	102
6	Reactivity of Nitrido Complexes of Ruthenium(VI), Osmium(VI), and Manganese(V) Bearing Schiff Base and Simple Anionic Ligands. Accounts of Chemical Research, 2014, 47, 427-439.	15.6	91
7	Ferromagnetic Ordering in a Diamondâ€Like Cyanoâ€Bridged Mn ^{II} Ru ^{III} Bimetallic Coordination Polymer. Angewandte Chemie - International Edition, 2001, 40, 3031-3033.	13.8	89
8	Direct Aziridination of Alkenes by a Cationic (Salen)ruthenium(VI) Nitrido Complex. Journal of the American Chemical Society, 2004, 126, 15336-15337.	13.7	86
9	Cerium(IV)â€Driven Water Oxidation Catalyzed by a Manganese(V)â€“Nitrido Complex. Angewandte Chemie - International Edition, 2015, 54, 5246-5249.	13.8	74
10	General Synthesis of (Salen)ruthenium(III) Complexes via NÂ·Â·Â·N Coupling of (Salen)ruthenium(VI) Nitrides. Inorganic Chemistry, 2008, 47, 5936-5944.	4.0	60
11	Ligandâ€Accelerated Activation of Strong Cï£¿H Bonds of Alkanes by a (Salen)ruthenium(VI)â€“Nitrido Complex. Angewandte Chemie - International Edition, 2012, 51, 9101-9104.	13.8	60
12	Osmium(vi) complexes as a new class of potential anti-cancer agents. Chemical Communications, 2011, 47, 2140.	4.1	46
13	Osmium(vi) nitrido complexes bearing azole heterocycles: a new class of antitumor agents. Chemical Science, 2012, 3, 1582.	7.4	46
14	Cytotoxic (salen)ruthenium(<scp>iii</scp>) anticancer complexes exhibit different modes of cell death directed by axial ligands. Chemical Science, 2017, 8, 6865-6870.	7.4	46
15	Câ€“N Bond Cleavage of Anilines by a (Salen)ruthenium(VI) Nitrido Complex. Journal of the American Chemical Society, 2013, 135, 5533-5536.	13.7	37
16	Mechanisms of oxidation by trans-dioxoruthenium(VI) complexes containing macrocyclic tertiary amine ligands. Coordination Chemistry Reviews, 2007, 251, 2238-2252.	18.8	35
17	Synthesis and antitumor activity of a series of osmium(vi) nitrido complexes bearing quinolinolato ligands. Chemical Communications, 2013, 49, 9980.	4.1	35
18	Reaction of a (Salen)ruthenium(VI) Nitrido Complex with Thiols. Câ¯H Bond Activation by (Salen)ruthenium(IV) Sulfilamido Species. Inorganic Chemistry, 2010, 49, 73-81.	4.0	34

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19	Highly Efficient Alkane Oxidation Catalyzed by [Mn^V(N)(CN)₄]^{2â€“}. Evidence for [Mn^{VII}(N)(O)(CN)₄]^{2â€“} as an Active Intermediate. Journal of the American Chemical Society, 2014, 136, 7680-7687.	13.7	34
20	Reaction of an Osmium(VI) Nitrido Complex with Cyanide: Formation and Reactivity of an Osmium(III) Hydrogen Cyanamide Complex. Chemistry - A European Journal, 2011, 17, 13044-13051.	3.3	33
21	Formation of Î¼-dinitrogen (salen)osmium complexes via ligand-induced Nâ¯N coupling of (salen)osmium(vi) nitrides. Dalton Transactions, 2010, 39, 11163.	3.3	32
22	Solvent Effects on the Oxidation of Ru^{IV}O to ORu^{VI}O by MnO₄⁻. Hydrogen-Atom versus Oxygen-Atom Transfer. Journal of the American Chemical Society, 2007, 129, 13646-13652.	13.7	30
23	A novel tricyanoruthenium(iii) building block for the construction of bimetallic coordination polymers. Chemical Communications, 2010, 46, 6102.	4.1	30
24	Kinetics and Mechanism of the Oxidation of Ascorbic Acid in Aqueous Solutions by a trans-Dioxoruthenium(VI) Complex. Inorganic Chemistry, 2009, 48, 400-406.	4.0	28
25	Photochemical nitrogenation of alkanes and arenes by a strongly luminescent osmium(VI) nitrido complex. Communications Chemistry, 2019, 2, .	4.5	26
26	Oxidation of Nitrite by a trans-Dioxoruthenium(VI) Complex:â€‰ Direct Evidence for Reversible Oxygen Atom Transfer. Journal of the American Chemical Society, 2006, 128, 14669-14675.	13.7	25
27	Four-Electron Oxidation of Phenols to p-Benzoquinone Imines by a (Salen)ruthenium(VI) Nitrido Complex. Journal of the American Chemical Society, 2016, 138, 5817-5820.	13.7	25
28	Proton-Bridged Dinuclear (salen)Ru Carbene Complexes: Synthesis, Structure, and Reactivity of {[(salchda)Ruâ•C(OR)(CHâ•CPh2)]2Â·H}+. Organometallics, 2008, 27, 324-326.	2.3	24
29	Reaction of a (Salen)ruthenium(VI) Nitrido Complex with Isocyanide. Inorganic Chemistry, 2009, 48, 3080-3086.	4.0	24
30	Mechanism of Water Oxidation by Ferrate(VI) at pHâ€…7â€“9. Chemistry - A European Journal, 2018, 24, 18735-18742.	3.3	23
31	Functionalization of Alkynes by a (Salen)ruthenium(VI) Nitrido Complex. Angewandte Chemie - International Edition, 2014, 53, 8463-8466.	13.8	22
32	Facile Nucleophilic Addition to Salophen Coordinated to Nitridoosmium(VI). Journal of the American Chemical Society, 2001, 123, 12720-12721.	13.7	20
33	Novel heterobimetallic ruthenium(iii)â€“cobalt(ii) compounds constructed from trans-[RuIII(Q)2(CN)2]â^' (Q = 8-quinolinolato): synthesis, structures and magnetic properties. Chemical Communications, 2011, 47, 8694.	4.1	17
34	Catalytic reactions of chlorite with a polypyridylruthenium(<scp>ii</scp>) complex: disproportionation, chlorine dioxide formation and alcohol oxidation. Chemical Communications, 2012, 48, 1102-1104.	4.1	17
35	Tunable Luminescent Properties of Tricyanoosmium Nitrido Complexes Bearing a Chelating O^N Ligand. Inorganic Chemistry, 2020, 59, 4406-4413.	4.0	16
36	Generation and Reactivity of a Oneâ€Electronâ€Oxidized Manganese(V) Imido Complex with a Tetraamido Macrocyclic Ligand. Chemistry - A European Journal, 2019, 25, 12895-12899.	3.3	15

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37	Oxygen evolution from BF3/MnO4â˜. Chemical Communications, 2011, 47, 4159.	4.1	14
38	Aerobic Oxidation of an Osmium(III) N-Hydroxyguanidine Complex To Give Nitric Oxide. Inorganic Chemistry, 2016, 55, 5056-5061.	4.0	14
39	Kinetics and Mechanisms of the Oxidation of Iodide and Bromide in Aqueous Solutions by a trans-Dioxoruthenium(VI) Complex. Inorganic Chemistry, 2008, 47, 6771-6778.	4.0	13
40	Binuclear (salen)osmium phosphinidine and phosphiniminato complexes. Dalton Transactions, 2011, 40, 1938.	3.3	13
41	A novel triazidoruthenium(iii) building block for the construction of polynuclear compounds. Dalton Transactions, 2012, 41, 5794.	3.3	12
42	Visible light-induced oxidative N-dealkylation of alkylamines by a luminescent osmium(<scp>vi</scp>) nitrido complex. Chemical Science, 2021, 12, 14494-14498.	7.4	12
43	Structure and Reactivity of a Manganese(VI) Nitrido Complex Bearing a Tetraamido Macrocyclic Ligand. Journal of the American Chemical Society, 2021, 143, 15863-15872.	13.7	11
44	Structure and Reactivity of One- and Two-Electron Oxidized Manganese(V) Nitrido Complexes Bearing a Bulky Corrole Ligand. Journal of the American Chemical Society, 2022, 144, 7588-7593.	13.7	11
45	Oxidation of ascorbic acid by a (salen)ruthenium(<scp>vi</scp>) nitrido complex in aqueous solution. Chemical Communications, 2014, 50, 15799-15802.	4.1	10
46	Room Temperature Aerobic Peroxidation of Organic Substrates Catalyzed by Cobalt(III) Alkylperoxo Complexes. Journal of the American Chemical Society, 2021, 143, 14445-14450.	13.7	10
47	Precious-metal free photocatalytic production of an NADH analogue using cobalt diimineâ€“dioxime catalysts under both aqueous and organic conditions. Chemical Communications, 2020, 56, 7491-7494.	4.1	9
48	Oxidation of hydroquinones by a (salen)ruthenium(<scp>vi</scp>) nitrido complex. Chemical Communications, 2016, 52, 11430-11433.	4.1	7
49	A cytotoxic nitrido-osmium(<scp>vi</scp>) complex induces caspase-mediated apoptosis in HepG2 cancer cells. Dalton Transactions, 2020, 49, 17173-17182.	3.3	7
50	Oxygen Atom Transfer from a trans-Dioxoruthenium(VI) Complex to Nitric Oxide. Chemistry - A European Journal, 2012, 18, 138-144.	3.3	5
51	Osmium(<scp>vi</scp>) nitride triggers mitochondria-induced oncosis and apoptosis. Chemical Communications, 2022, 58, 2468-2471.	4.1	5
52	Kinetics and Mechanism of the Reaction of a Ruthenium(VI) Nitrido Complex with HSO₃^{â˜} and SO₃^{2â˜} in Aqueous Solution. Chemistry - A European Journal, 2016, 22, 10754-10758.	3.3	4
53	Facile Câ€“N bond cleavage of primary aliphatic amines by (salen)ruthenium(<scp>vi</scp>) nitrido complexes. Dalton Transactions, 2022, 51, 5404-5408.	3.3	4
54	New tricyanoiron(III) building blocks for the construction of molecule-based magnets. Science China Chemistry, 2010, 53, 2106-2111.	8.2	2

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55	Reduction of RuVIâ‰¡N to RuIIIâ€”NH3 by Cysteine in Aqueous Solution. Inorganic Chemistry, 2018, 57, 5850-5858.	4.0	2
56	Oxidation of Hypophosphorous Acid by a Ruthenium(VI) Nitrido Complex in Aqueous Acidic Solution. Evidence for a Proton-Coupled N-Atom Transfer Mechanism. Inorganic Chemistry, 2022, 61, 10567-10574.	4.0	0