T-C Lau

List of Publications by Year in descending order

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234 papers	9,529 citations	30070 54 h-index	58581 82 g-index
255 all docs	255 docs citations	255 times ranked	8812 citing authors

#	Article	IF	Citations
1	Molecular Catalysis of the Electrochemical and Photochemical Reduction of CO₂ with Earth-Abundant Metal Complexes. Selective Production of CO vs HCOOH by Switching of the Metal Center. Journal of the American Chemical Society, 2015, 137, 10918-10921.	13.7	294
2	Highly Efficient and Selective Photocatalytic CO₂ Reduction by Iron and Cobalt Quaterpyridine Complexes. Journal of the American Chemical Society, 2016, 138, 9413-9416.	13.7	276
3	Efficient Visible-Light-Driven CO₂ Reduction by a Cobalt Molecular Catalyst Covalently Linked to Mesoporous Carbon Nitride. Journal of the American Chemical Society, 2020, 142, 6188-6195.	13.7	199
4	Molecular Radical Cations of Oligopeptides. Journal of Physical Chemistry B, 2000, 104, 3393-3397.	2.6	198
5	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
6	A Robust Palladium(II)â€“Porphyrin Complex as Catalyst for Visible Light Induced Oxidative Cï£¿H Functionalization. Chemistry - A European Journal, 2013, 19, 5654-5664.	3.3	184
7	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
8	A Carbon Nitride/Fe Quaterpyridine Catalytic System for Photostimulated CO₂-to-CO Conversion with Visible Light. Journal of the American Chemical Society, 2018, 140, 7437-7440.	13.7	160
9	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
10	A Photocaged, Water-Oxidizing, and Nucleolus-Targeted Pt(IV) Complex with a Distinct Anticancer Mechanism. Journal of the American Chemical Society, 2020, 142, 7803-7812.	13.7	144
11	Enhancing Extracellular Electron Transfer of Shewanella oneidensis MR-1 through Coupling Improved Flavin Synthesis and Metal-Reducing Conduit for Pollutant Degradation. Environmental Science & Technology, 2017, 51, 5082-5089.	10.0	141
12	Highly Selective Molecular Catalysts for the CO₂-to-CO Electrochemical Conversion at Very Low Overpotential. Contrasting Fe vs Co Quaterpyridine Complexes upon Mechanistic Studies. ACS Catalysis, 2018, 8, 3411-3417.	11.2	141
13	Removal of phosphate from water by a highly selective La(III)-chelex resin. Chemosphere, 2007, 69, 289-294.	8.2	131
14	Highly Electrophilic (Salen)ruthenium(VI) Nitrido Complexes. Journal of the American Chemical Society, 2004, 126, 478-479.	13.7	111
15	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
16	Formation of molecular radical cations of enkephalin derivatives via collision-induced dissociation of electrospray-generated copper (II) complex ions of amines and peptides. Journal of the American Society for Mass Spectrometry, 2001, 12, 1114-1119.	2.8	101
17	A Hybrid Co Quaterpyridine Complex/Carbon Nanotube Catalytic Material for CO₂ Reduction in Water. Angewandte Chemie - International Edition, 2018, 57, 7769-7773.	13.8	101
18	Photoassisted Fenton Degradation of Polystyrene. Environmental Science & Technology, 2011, 45, 744-750.	10.0	99

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19	Novel Luminescent Tricarbonylrhenium(I) Polypyridine Tyramine-Derived Dipicolylamine Complexes as Sensors for Zinc(II) and Cadmium(II) Ions. Organometallics, 2009, 28, 4297-4307.	2.3	97
20	Humic substances as electron acceptors for anaerobic oxidation of methane driven by ANME-2d. Water Research, 2019, 164, 114935.	11.3	95
21	Relative silver(I) ion binding energies of Î±-amino acids: A determination by means of the kinetic method. Journal of the American Society for Mass Spectrometry, 1998, 9, 760-766.	2.8	93
22	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
23	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
24	Epoxidation of alkenes and oxidation of alcohols with hydrogen peroxide catalyzed by a manganese(v) nitrido complex. Chemical Communications, 2011, 47, 4273.	4.1	89
25	BF3-Activated Oxidation of Alkanes by MnO4-. Journal of the American Chemical Society, 2006, 128, 2851-2858.	13.7	88
26	Monitoring of metal pollution in waterways across Bangladesh and ecological and public health implications of pollution. Chemosphere, 2016, 165, 1-9.	8.2	87
27	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
28	Kinetics and mechanism of G-quadruplex formation and conformational switch in a G-quadruplex of PS2.M induced by Pb2+. Nucleic Acids Research, 2012, 40, 4229-4236.	14.5	86
29	Synthesis of nitrogen-doped KNbO3 nanocubes with high photocatalytic activity for water splitting and degradation of organic pollutants under visible light. Chemical Engineering Journal, 2013, 226, 123-130.	12.7	86
30	Synthesis and Spectroscopic Studies of Cyclometalated Pt(II) Complexes Containing a Functionalized Cyclometalating Ligand, 2-Phenyl-6-(1H-pyrazol-3-yl)-pyridine. Inorganic Chemistry, 2007, 46, 3603-3612.	4.0	78
31	Trace/heavy metal pollution monitoring in estuary and coastal area of Bay of Bengal, Bangladesh and implicated impacts. Marine Pollution Bulletin, 2016, 105, 393-402.	5.0	77
32	Ferromagnetic Ordering and Metamagnetism in Malonate Bridged 3D Diamond-like and Honeycomb-like Networks:â€‰ [Cu(mal)(DMF)]n and {[Cu(mal)(0.5pyz)]Â·H2O}n (mal = Malonate Dianion, DMF =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.6	75
33	Dual Homogeneous and Heterogeneous Pathways in Photo- and Electrocatalytic Hydrogen Evolution with Nickel(II) Catalysts Bearing Tetradentate Macrocyclic Ligands. ACS Catalysis, 2015, 5, 356-364.	11.2	75
34	A chiral iron-sexipyridine complex as a catalyst for alkene epoxidation with hydrogen peroxide. Chemical Communications, 2008, , 3801.	4.1	74
35	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
36	Photocatalytic Conversion of CO₂ to CO by a Copper(II) Quaterpyridine Complex. ChemSusChem, 2017, 10, 4009-4013.	6.8	74

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37	Ruthenium catalysed oxidation of alkanes with alkylhydroperoxides. Journal of the Chemical Society Chemical Communications, 1988, , 1406.	2.0	73
38	Oneâ€Dimensional Ferromagnetically Coupled Bimetallic Chains Constructed with transâ€[Ru(acac)₂(CN)₂]^{â^'}: Syntheses, Structures, Magnetic Properties, and Density Functional Theoretical Study. Chemistry - A European Journal, 2010, 16, 3524-3535.	3.3	73
39	Sequencing of Argentinated Peptides by Means of Electrospray Tandem Mass Spectrometry. Analytical Chemistry, 1999, 71, 2364-2372.	6.5	71
40	Heterometallic MIIRuIII2Compounds Constructed fromtrans-[Ru(Salen)(CN)2]-andtrans-[Ru(Acac)2(CN)2]-. Synthesis, Structures, Magnetic Properties, and Density Functional Theoretical Study. Inorganic Chemistry, 2005, 44, 6579-6590.	4.0	71
41	Stoichiometric and Catalytic Oxidations of Alkanes and Alcohols Mediated by Highly Oxidizing Ruthâ^'Oxo Complexes Bearing 6,6â€˜-Dichloro-2,2â€˜-bipyridine. Journal of Organic Chemistry, 2000, 65, 7996-8000.	3.2	70
42	Efficient Chemical and Visibleâ€Lightâ€Driven Water Oxidation using Nickel Complexes and Salts as Precatalysts. ChemSusChem, 2014, 7, 127-134.	6.8	70
43	Activation of Metal Oxo and Nitrido Complexes by Lewis Acids. Journal of the American Chemical Society, 2019, 141, 3755-3766.	13.7	69
44	Catalytic Water Oxidation by Ruthenium(II) Quaterpyridine (qpy) Complexes: Evidence for Ruthenium(III) qpyâ€N,Nâ€²â€²â€²â€dioxide as the Real Catalysts. Angewandte Chemie - International Edition, 2014, 53, 14468-14471.	13.8	68
45	Characterization of the product ions from the collision-induced dissociation of argentinated peptides. Journal of the American Society for Mass Spectrometry, 2001, 12, 163-175.	2.8	65
46	Hybridization of Molecular and Graphene Materials for CO₂ Photocatalytic Reduction with Selectivity Control. Journal of the American Chemical Society, 2021, 143, 8414-8425.	13.7	64
47	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
48	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
49	Tuning the reactivities of rutheniumâ€"oxo complexes with robust ligands. A ruthenium(IV)â€"oxo complex of 6,6â€²-dichloro-2,2â€²-bipyridine as an active oxidant for stoichiometric and catalytic organic oxidation. Journal of the Chemical Society Dalton Transactions, 1991, , 1901-1907.	1.1	59
50	FeCl3-Activated Oxidation of Alkanes by [Os(N)O3]-. Journal of the American Chemical Society, 2004, 126, 14921-14929.	13.7	59
51	Copper-catalyzed amination of alkenes and ketones by phenylhydroxylamine. New Journal of Chemistry, 2000, 24, 859-863.	2.8	57
52	Lewis acid-activated oxidation of alcohols by permanganate. Chemical Communications, 2011, 47, 7143.	4.1	57
53	Molecular quaterpyridine-based metal complexes for small molecule activation: water splitting and CO₂ reduction. Chemical Society Reviews, 2020, 49, 7271-7283.	38.1	57
54	An â€˜artificial musselâ€™ for monitoring heavy metals in marine environments. Environmental Pollution, 2007, 145, 104-110.	7.5	56

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55	Electrospray tandem mass spectrometry of polyoxoanions. Journal of the Chemical Society Chemical Communications, 1995, , 877.	2.0	55
56	Kinetics and Mechanisms of the Oxidation of Phenols by a trans-Dioxoruthenium(VI) Complex. Inorganic Chemistry, 2003, 42, 1225-1232.	4.0	55
57	Electro- and photocatalytic hydrogen generation in acetonitrile and aqueous solutions by a cobalt macrocyclic Schiff-base complex. International Journal of Hydrogen Energy, 2011, 36, 11640-11645.	7.1	55
58	Antiferromagnetic ordering in a novel five-connected 3D polymer {Cu2(2,5-Me2pyz)[N(CN)2]4}n (2,5-Me2pyzî€†2,5-dimethylpyrazine)Electronic supplementary information (ESI) available: plot of the temperature dependence of the ac susceptibility (Fig. S1). See http://www.rsc.org/suppdata/nj/b1/b111012h/. New Journal of Chemistry, 2002, 26, 523-525.	2.8	54
59	Reactivity of MIIIMetal-Substituted Derivatives of Pig Purple Acid Phosphatase (Uteroferrin) with Phosphate. Inorganic Chemistry, 2002, 41, 5787-5794.	4.0	53
60	2D LnIIIRuIII2Compounds Constructed fromtrans-[Ru(acac)2(CN)2]-. Syntheses, Structures, and Magnetic Properties. Inorganic Chemistry, 2006, 45, 6756-6760.	4.0	50
61	Photochemical and electrochemical catalytic reduction of CO₂with NHC-containing dicarbonyl rhenium(<scp>i</scp>) bipyridine complexes. Dalton Transactions, 2016, 45, 14524-14529.	3.3	50
62	Structures of b and a Product Ions from the Fragmentation of Argentinated Peptides. Journal of the American Chemical Society, 1998, 120, 7302-7309.	13.7	49
63	Model reactions for nitrogen fixation. Photo-induced formation and X-ray crystal structure of [Os2(NH3)8(MeCN)2(N2)]5+ from [Os VI (NH3)4N]3+. Journal of the Chemical Society Chemical Communications, 1989, , 1883.	2.0	48
64	Homogeneous [Ru^{III}(Me₃tacn)Cl₃]â€Catalyzed Alkene cisâ€Dihydroxylation with Aqueous Hydrogen Peroxide. Chemistry - an Asian Journal, 2008, 3, 70-77.	3.3	48
65	Kinetics and Mechanism of Conformational Changes in a G-Quadruplex of Thrombin-Binding Aptamer Induced by Pb²⁺. Journal of Physical Chemistry B, 2011, 115, 13051-13056.	2.6	48
66	Osmium(vi) complexes as a new class of potential anti-cancer agents. Chemical Communications, 2011, 47, 2140.	4.1	46
67	Osmium(vi) nitrido complexes bearing azole heterocycles: a new class of antitumor agents. Chemical Science, 2012, 3, 1582.	7.4	46
68	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
69	Investigation of Cr(VI) reduction potential and mechanism by Caldicellulosiruptor saccharolyticus under glucose fermentation condition. Journal of Hazardous Materials, 2018, 344, 585-592.	12.4	46
70	Mechanism of alcohol oxidation by trans-dioxoruthenium(VI): the effect of driving force on reactivity. Journal of the Chemical Society Dalton Transactions, 1992, , 1551.	1.1	44
71	Oxidation of alkanes by barium ruthenate in acetic acid: catalysis by Lewis acids. Journal of the Chemical Society Chemical Communications, 1993, , 766.	2.0	44
72	Osmium(VI) Nitrido and Osmium(IV) Phosphoraniminato Complexes Containing Schiff Base Ligands. Inorganic Chemistry, 1999, 38, 6181-6186.	4.0	44

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73	High-rate anaerobic decolorization of methyl orange from synthetic azo dye wastewater in a methane-based hollow fiber membrane bioreactor. Journal of Hazardous Materials, 2020, 388, 121753.	12.4	44
74	Syntheses and structures of novel heterobimetallic Cu(II)â€“Au(I) complexes Cu(cyclen)[Au(CN)2]2 and Cu(pyz)[Au(CN)2]2. Dalton Transactions RSC, 2000, , 629-631.	2.3	43
75	Catalytic oxidation of water and alcohols by a robust iron(<scp>iii</scp>) complex bearing a cross-bridged cyclam ligand. Chemical Communications, 2015, 51, 12189-12192.	4.1	43
76	Highly Efficient Photocatalytic Reduction of CO₂ to CO by In Situ Formation of a Hybrid Catalytic System Based on Molecular Iron Quaterpyridine Covalently Linked to Carbon Nitride. Angewandte Chemie - International Edition, 2022, 61, .	13.8	43
77	Electrospray tandem mass spectrometry of oxo complexes of chromium, manganese and tuthenium. Journal of the Chemical Society Chemical Communications, 1994, , 1487.	2.0	41
78	Biogenic FeS accelerates reductive dechlorination of carbon tetrachloride by Shewanella putrefaciens CN32. Enzyme and Microbial Technology, 2016, 95, 236-241.	3.2	40
79	Activation of manganese nitrido complexes by BrÃ¸nsted and Lewis acids. Crystal structure and asymmetric alkene aziridination of a chiral salen manganese nitrido complex. Journal of the Chemical Society Dalton Transactions, 1999, , 2411-2414.	1.1	39
80	Kinetics and Mechanism of the Oxidation of Alkylaromatic Compounds by atrans-Dioxoruthenium(VI) Complex. Inorganic Chemistry, 2003, 42, 8011-8018.	4.0	38
81	A ruthenium(IV) oxo complex that contains a tertiary diamine ligand. Journal of the Chemical Society Dalton Transactions, 1990, , 967.	1.1	37
82	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
83	A molecular noble metal-free system for efficient visible light-driven reduction of CO₂ to CO. Dalton Transactions, 2019, 48, 9596-9602.	3.3	37
84	Innovative â€˜Artificial Musselsâ€™ technology for assessing spatial and temporal distribution of metals in Goulburnâ€“Murray catchments waterways, Victoria, Australia: Effects of climate variability (dry vs.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5		36
85	Slow magnetic relaxation in a mononuclear 8-coordinate Fe(<scp>ii</scp>) complex. Chemical Communications, 2017, 53, 1474-1477.	4.1	36
86	Synthesis and structures of dioxoruthenium(VI) complexes. Oxo transfer from trans-O2Ru(py)2(O2CR)2. Inorganic Chemistry, 1990, 29, 4190-4195.	4.0	35
87	Dalton communications. Lewis-acid catalysed oxidation of alkanes by chromate and permanganate. Journal of the Chemical Society Dalton Transactions, 1995, , 695.	1.1	35
88	Mechanisms of oxidation by trans-dioxoruthenium(VI) complexes containing macrocyclic tertiary amine ligands. Coordination Chemistry Reviews, 2007, 251, 2238-2252.	18.8	35
89	Synthesis and antitumor activity of a series of osmium(vi) nitrido complexes bearing quinolinolato ligands. Chemical Communications, 2013, 49, 9980.	4.1	35
90	Effects of morphology and exposed facets of Î±-Fe₂O₃ nanocrystals on photocatalytic water oxidation. RSC Advances, 2015, 5, 52210-52216.	3.6	35

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91	Ca²⁺â€Induced Oxygen Generation by FeO₄^{2â^'} at pHâ€...9â€“10. Angewandte Chemie - International Edition, 2016, 55, 3012-3016.	13.8	35
92	Facile NÂ·Â·Â·N Coupling of Manganese(V) Imido Species. Journal of the American Chemical Society, 2007, 129, 803-809.	13.7	34
93	Field validation, in Scotland and Iceland, of the artificial mussel for monitoring trace metals in temperate seas. Marine Pollution Bulletin, 2008, 57, 790-800.	5.0	34
94	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
95	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
96	Mechanism of Câ€“H bond oxidation by a monooxoruthenium(V) complex. Journal of the Chemical Society Dalton Transactions, 1991, , 1259-1263.	1.1	33
97	Dual anti-angiogenic and cytotoxic properties of ruthenium(iii) complexes containing pyrazolato and/or pyrazole ligands. Dalton Transactions, 2009, , 10712.	3.3	33
98	New binuclear double-stranded manganese helicates as catalysts for alkene epoxidation. Dalton Transactions, 2010, 39, 9469.	3.3	33
99	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
100	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
101	pH universal Ru@N-doped carbon catalyst for efficient and fast hydrogen evolution. Catalysis Science and Technology, 2020, 10, 4405-4411.	4.1	32
102	Lewis acid activated oxidation of alkanes by barium ferrate. New Journal of Chemistry, 2000, 24, 587-590.	2.8	31
103	Solid-phase extraction-fluorimetric high performance liquid chromatographic determination of domoic acid in natural seawater mediated by an amorphous titania sorbent. Analytica Chimica Acta, 2007, 583, 111-117.	5.4	31
104	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
105	A novel tricyanoruthenium(iii) building block for the construction of bimetallic coordination polymers. Chemical Communications, 2010, 46, 6102.	4.1	30
106	Organic Photosensitizers for Catalytic Solar Fuel Generation. Energy & Fuels, 2021, 35, 18888-18899.	5.1	30
107	Metal-nitrido photo-oxidants: synthesis, photophysics, and photochemistry of [Os VI (NH3)4(N)](X)3(X) Tj ETQq1 1 0.784314 rgBT /O	2.0	28
108	Electronic effects of bis(acetylacetone) in ruthenium(II) and ruthenium(III) complexes. Inorganic Chemistry, 1991, 30, 2921-2928.	4.0	28

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109	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
110	Facile Direct Insertion of Nitrosonium Ion (NO+) into a Rutheniumâ"Aryl Bond. Organometallics, 2011, 30, 1311-1314.	2.3	28
111	Ru single atoms and nanoclusters on highly porous N-doped carbon as a hydrogen evolution catalyst in alkaline solutions with ultrahigh mass activity and turnover frequency. Journal of Materials Chemistry A, 2021, 9, 12196-12202.	10.3	28
112	Sequencing of Argentinated Peptides by Means of Matrix-Assisted Laser Desorption/Ionization Tandem Mass Spectrometry. Analytical Chemistry, 2002, 74, 2072-2082.	6.5	27
113	Photochemical nitrogenation of alkanes and arenes by a strongly luminescent osmium(VI) nitrido complex. Communications Chemistry, 2019, 2, .	4.5	26
114	Elucidation of the key role of PtÂ·Â·Â·Pt interactions in the directional self-assembly of platinum(II) complexes. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2116543119.	7.1	26
115	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
116	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
117	Kinetics and Mechanism of the Oxidation of Hydroquinones by a trans-Dioxoruthenium(VI) Complex. Inorganic Chemistry, 2006, 45, 315-321.	4.0	24
118	Cyano-bridged molecular squares: Synthesis and structures of [Ni(cyclen)]2[Pt(CN)4]2Â·6H2O, [Ni(cyclen)]2[Ni(CN)4]2Â·6H2O and [Mn(cyclen)]2[Ni(CN)4]2Â·6H2O. Polyhedron, 2006, 25, 1256-1262.	2.2	24
119	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
120	Synthesis and Photophysical Properties of Ruthenium(II) Isocyanide Complexes Containing 8-Quinolinolate Ligands. Organometallics, 2009, 28, 5709-5714.	2.3	24
121	Reaction of a (Salen)ruthenium(VI) Nitrido Complex with Isocyanide. Inorganic Chemistry, 2009, 48, 3080-3086.	4.0	24
122	trans-[Os^{III}(salen)(CN)₂]^{â"}: A New Paramagnetic Building Block for the Construction of Molecule-Based Magnetic Materials. Inorganic Chemistry, 2010, 49, 1607-1614.	4.0	24
123	A Hybrid Co Quaterpyridine Complex/Carbon Nanotube Catalytic Material for CO₂ Reduction in Water. Angewandte Chemie, 2018, 130, 7895-7899.	2.0	24
124	A comparative study on metal contamination in Estero de Urias lagoon, Gulf of California, using oysters, mussels and artificial mussels: Implications on pollution monitoring and public health risk. Environmental Pollution, 2018, 243, 197-205.	7.5	24
125	Molecular Electrochemical Catalysis of the CO₂-to-CO Conversion with a Co Complex: A Cyclic Voltammetry Mechanistic Investigation. Organometallics, 2019, 38, 1280-1285.	2.3	24
126	Comparison of metal accumulation between â€˜Artificial Musselâ€™ and natural mussels (Mytilus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	5.0	23

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127	Mechanism of Water Oxidation by Ferrate(VI) at pHâ€...7â€“9. Chemistry - A European Journal, 2018, 24, 18735-18742.	3.3	23
128	An Iron Quaterpyridine Complex as Precursor for the Electrocatalytic Reduction of CO₂ to Methane. ChemSusChem, 2019, 12, 4500-4505.	6.8	23
129	Oxidation of C2, C3and higher alkanes by a rutheniumâ€“oxo system. Journal of the Chemical Society Chemical Communications, 1995, , 943-944.	2.0	22
130	Preparation of nitrogen doped K2Nb4O11 with high photocatalytic activity for degradation of organic pollutants. Applied Catalysis A: General, 2011, 402, 23-30.	4.3	22
131	Functionalization of Alkynes by a (Salen)ruthenium(VI) Nitrido Complex. Angewandte Chemie - International Edition, 2014, 53, 8463-8466.	13.8	22
132	Efficient adsorption, removal and recovery of phosphate and nitrate from water by a novel lanthanum(<scp>iii</scp>)-Dowex M4195 polymeric ligand exchanger. Environmental Science: Water Research and Technology, 2018, 4, 421-427.	2.4	22
133	Microbial selenite reduction coupled to anaerobic oxidation of methane. Science of the Total Environment, 2019, 669, 168-174.	8.0	22
134	Intraionic, interligand proton transfer in collision-activated macrocyclic complex ions of nickel and copper. , 1998, 33, 811-818.		21
135	A novel heterobimetallic Ni(II)â€“Ag(I) cyano-bridged coordination polymer incorporating AgÂ·Â·Â·Ag interactions: {[Ni(cyclen)][Ag(CN)2]}[Ag(CN)2]. New Journal of Chemistry, 2000, 24, 733-734.	2.8	21
136	Addition of Carbenes to an Osmium(VI) Nitride Complex. European Journal of Inorganic Chemistry, 2005, 2005, 773-778.	2.0	21
137	Photoinduced water oxidation catalyzed by a double-helical dicobalt(<scp>ii</scp>) sexipyridine complex. Chemical Communications, 2014, 50, 14956-14959.	4.1	21
138	Zero-valent iron nanoparticles with sustained high reductive activity for carbon tetrachloride dechlorination. RSC Advances, 2015, 5, 54497-54504.	3.6	21
139	A Highly Reactive Sevenâ€Coordinate Osmium(V) Oxo Complex: [Os^V(O)(qpy)(pic)Cl]²⁺. Angewandte Chemie - International Edition, 2016, 55, 288-291.	13.8	21
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