

T-C Lau

List of Publications by Year in descending order

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234
papers

9,529
citations

34493

54
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66518

82
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255
all docs

255
docs citations

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times ranked

9841
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Catalysis of the Electrochemical and Photochemical Reduction of CO ₂ with Earth-Abundant Metal Complexes. Selective Production of CO vs HCOOH by Switching of the Metal Center. <i>Journal of the American Chemical Society</i> , 2015, 137, 10918-10921.	6.6	294
2	Highly Efficient and Selective Photocatalytic CO ₂ Reduction by Iron and Cobalt Quaterpyridine Complexes. <i>Journal of the American Chemical Society</i> , 2016, 138, 9413-9416.	6.6	276
3	Efficient Visible-Light-Driven CO ₂ Reduction by a Cobalt Molecular Catalyst Covalently Linked to Mesoporous Carbon Nitride. <i>Journal of the American Chemical Society</i> , 2020, 142, 6188-6195.	6.6	199
4	Molecular Radical Cations of Oligopeptides. <i>Journal of Physical Chemistry B</i> , 2000, 104, 3393-3397.	1.2	198
5	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.	15.6	186
6	A Robust Palladium(II)-Porphyrin Complex as Catalyst for Visible Light Induced Oxidative C-H Functionalization. <i>Chemistry - A European Journal</i> , 2013, 19, 5654-5664.	1.7	184
7	Chemical and Visible-Light-Driven Water Oxidation by Iron Complexes at pH ~9: Evidence for Dual-Active Intermediates in Iron-Catalyzed Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1789-1791.	7.2	171
8	A Carbon Nitride/Fe Quaterpyridine Catalytic System for Photostimulated CO ₂ -to-CO Conversion with Visible Light. <i>Journal of the American Chemical Society</i> , 2018, 140, 7437-7440.	6.6	160
9	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.	16.1	153
10	A Photocaged, Water-Oxidizing, and Nucleolus-Targeted Pt(IV) Complex with a Distinct Anticancer Mechanism. <i>Journal of the American Chemical Society</i> , 2020, 142, 7803-7812.	6.6	144
11	Enhancing Extracellular Electron Transfer of <i>Shewanella oneidensis</i> MR-1 through Coupling Improved Flavin Synthesis and Metal-Reducing Conduit for Pollutant Degradation. <i>Environmental Science & Technology</i> , 2017, 51, 5082-5089.	4.6	141
12	Highly Selective Molecular Catalysts for the CO ₂ -to-CO Electrochemical Conversion at Very Low Overpotential. Contrasting Fe vs Co Quaterpyridine Complexes upon Mechanistic Studies. <i>ACS Catalysis</i> , 2018, 8, 3411-3417.	5.5	141
13	Removal of phosphate from water by a highly selective La(III)-chelex resin. <i>Chemosphere</i> , 2007, 69, 289-294.	4.2	131
14	Highly Electrophilic (Salen)ruthenium(VI) Nitrido Complexes. <i>Journal of the American Chemical Society</i> , 2004, 126, 478-479.	6.6	111
15	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.	6.6	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. <i>Journal of the American Society for Mass Spectrometry</i> , 2001, 12, 1114-1119.	1.2	101
17	A Hybrid Co Quaterpyridine Complex/Carbon Nanotube Catalytic Material for CO ₂ Reduction in Water. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7769-7773.	7.2	101
18	Photoassisted Fenton Degradation of Polystyrene. <i>Environmental Science & Technology</i> , 2011, 45, 744-750.	4.6	99

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19	Novel Luminescent Tricarbonylrhenium(I) Polypyridine Tyramine-Derived Dipicolylamine Complexes as Sensors for Zinc(II) and Cadmium(II) Ions. <i>Organometallics</i> , 2009, 28, 4297-4307.	1.1	97
20	Humic substances as electron acceptors for anaerobic oxidation of methane driven by ANME-2d. <i>Water Research</i> , 2019, 164, 114935.	5.3	95
21	Relative silver(I) ion binding energies of α -amino acids: A determination by means of the kinetic method. <i>Journal of the American Society for Mass Spectrometry</i> , 1998, 9, 760-766.	1.2	93
22	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.	7.6	91
23	Ferromagnetic Ordering in a Diamond-Like Cyano-Bridged MnII/RuIII Bimetallic Coordination Polymer. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3031-3033.	7.2	89
24	Epoxidation of alkenes and oxidation of alcohols with hydrogen peroxide catalyzed by a manganese(v) nitrido complex. <i>Chemical Communications</i> , 2011, 47, 4273.	2.2	89
25	BF ₃ -Activated Oxidation of Alkanes by MnO ₄ ⁻ . <i>Journal of the American Chemical Society</i> , 2006, 128, 2851-2858.	6.6	88
26	Monitoring of metal pollution in waterways across Bangladesh and ecological and public health implications of pollution. <i>Chemosphere</i> , 2016, 165, 1-9.	4.2	87
27	Direct Aziridination of Alkenes by a Cationic (Salen)ruthenium(VI) Nitrido Complex. <i>Journal of the American Chemical Society</i> , 2004, 126, 15336-15337.	6.6	86
28	Kinetics and mechanism of G-quadruplex formation and conformational switch in a G-quadruplex of PS2.M induced by Pb ²⁺ . <i>Nucleic Acids Research</i> , 2012, 40, 4229-4236.	6.5	86
29	Synthesis of nitrogen-doped KNbO ₃ nanocubes with high photocatalytic activity for water splitting and degradation of organic pollutants under visible light. <i>Chemical Engineering Journal</i> , 2013, 226, 123-130.	6.6	86
30	Synthesis and Spectroscopic Studies of Cyclometalated Pt(II) Complexes Containing a Functionalized Cyclometalating Ligand, 2-Phenyl-6-(1H-pyrazol-3-yl)-pyridine. <i>Inorganic Chemistry</i> , 2007, 46, 3603-3612.	1.9	78
31	Trace/heavy metal pollution monitoring in estuary and coastal area of Bay of Bengal, Bangladesh and implicated impacts. <i>Marine Pollution Bulletin</i> , 2016, 105, 393-402.	2.3	77
32	Ferromagnetic Ordering and Metamagnetism in Malonate Bridged 3D Diamond-like and Honeycomb-like Networks: $[Cu(mal)(DMF)]_n$ and $\{[Cu(mal)(0.5pyz)] \cdot H_2O\}_n$ (mal = Malonate Dianion, DMF = N,N-dimethylformamide, pyz = 3-pyridyl). <i>Inorganic Chemistry</i> , 2007, 46, 3603-3612.	1.9	78
33	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.	5.5	75
34	A chiral iron-sexipyridine complex as a catalyst for alkene epoxidation with hydrogen peroxide. <i>Chemical Communications</i> , 2008, , 3801.	2.2	74
35	Cerium(IV)-Driven Water Oxidation Catalyzed by a Manganese(V)-Nitrido Complex. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5246-5249.	7.2	74
36	Photocatalytic Conversion of CO ₂ to CO by a Copper(II) Quaterpyridine Complex. <i>ChemSusChem</i> , 2017, 10, 4009-4013.	3.6	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	One-dimensional Ferromagnetically Coupled Bimetallic Chains Constructed with $\text{trans-[Ru(acac)}_2\text{(CN)}_2\text{]}^+$: Syntheses, Structures, Magnetic Properties, and Density Functional Theoretical Study. Chemistry - A European Journal, 2010, 16, 3524-3535.	1.7	73
39	Sequencing of Argentinated Peptides by Means of Electrospray Tandem Mass Spectrometry. Analytical Chemistry, 1999, 71, 2364-2372.	3.2	71
40	Heterometallic RuRuII_2 Compounds Constructed from $\text{trans-[Ru(Salen)(CN)}_2\text{]}$ and $\text{trans-[Ru(Acac)}_2\text{(CN)}_2\text{]}$. Synthesis, Structures, Magnetic Properties, and Density Functional Theoretical Study. Inorganic Chemistry, 2005, 44, 6579-6590.	1.9	71
41	Stoichiometric and Catalytic Oxidations of Alkanes and Alcohols Mediated by Highly Oxidizing Ruthenium ^{IV} Oxo Complexes Bearing 6,6'-Dichloro-2,2'-bipyridine. Journal of Organic Chemistry, 2000, 65, 7996-8000.	1.7	70
42	Efficient Chemical and Visible-Light-Driven Water Oxidation using Nickel Complexes and Salts as Precatalysts. ChemSusChem, 2014, 7, 127-134.	3.6	70
43	Activation of Metal Oxo and Nitrido Complexes by Lewis Acids. Journal of the American Chemical Society, 2019, 141, 3755-3766.	6.6	69
44	Catalytic Water Oxidation by Ruthenium(II) Quaterpyridine (qpy) Complexes: Evidence for Ruthenium(III) qpy ^N , N_2O as the Real Catalysts. Angewandte Chemie - International Edition, 2014, 53, 14468-14471.	7.2	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.	1.2	65
46	Hybridization of Molecular and Graphene Materials for CO_2 Photocatalytic Reduction with Selectivity Control. Journal of the American Chemical Society, 2021, 143, 8414-8425.	6.6	64
47	General Synthesis of (Salen)ruthenium(III) Complexes via $\text{N}^{\text{A}}\text{-}\text{N}^{\text{B}}$ Coupling of (Salen)ruthenium(VI) Nitrides. Inorganic Chemistry, 2008, 47, 5936-5944.	1.9	60
48	Ligand-Accelerated Activation of Strong C-H Bonds of Alkanes by a (Salen)ruthenium(VI) Nitrido Complex. Angewandte Chemie - International Edition, 2012, 51, 9101-9104.	7.2	60
49	Tuning the reactivities of ruthenium ^{IV} oxo complexes with robust ligands. A ruthenium(IV) oxo complex of 6,6'-dichloro-2,2'-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	FeCl_3 -Activated Oxidation of Alkanes by $[\text{Os(N)O}_3]$. Journal of the American Chemical Society, 2004, 126, 14921-14929.	6.6	59
51	Copper-catalyzed amination of alkenes and ketones by phenylhydroxylamine. New Journal of Chemistry, 2000, 24, 859-863.	1.4	57
52	Lewis acid-activated oxidation of alcohols by permanganate. Chemical Communications, 2011, 47, 7143.	2.2	57
53	Molecular quaterpyridine-based metal complexes for small molecule activation: water splitting and CO_2 reduction. Chemical Society Reviews, 2020, 49, 7271-7283.	18.7	57
54	An artificial mussel™ for monitoring heavy metals in marine environments. Environmental Pollution, 2007, 145, 104-110.	3.7	56

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55	Electrospray tandem mass spectrometry of polyoxoanions. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 877.	2.0	55
56	Kinetics and Mechanisms of the Oxidation of Phenols by a trans-Dioxoruthenium(VI) Complex. <i>Inorganic Chemistry</i> , 2003, 42, 1225-1232.	1.9	55
57	Electro- and photocatalytic hydrogen generation in acetonitrile and aqueous solutions by a cobalt macrocyclic Schiff-base complex. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 11640-11645.	3.8	55
58	Antiferromagnetic ordering in a novel five-connected 3D polymer {Cu ₂ (2,5-Me ₂ pyz) ₂ [N(CN) ₂] ₄ } _n (2,5-Me ₂ pyz = 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/ . <i>New Journal of Chemistry</i> , 2002, 26, 523-525.	1.4	54
59	Reactivity of MIII Metal-Substituted Derivatives of Pig Purple Acid Phosphatase (Uteroferrin) with Phosphate. <i>Inorganic Chemistry</i> , 2002, 41, 5787-5794.	1.9	53
60	2D LnIII RulII ₂ Compounds Constructed from trans-[Ru(acac) ₂ (CN) ₂]-. Syntheses, Structures, and Magnetic Properties. <i>Inorganic Chemistry</i> , 2006, 45, 6756-6760.	1.9	50
61	Photochemical and electrochemical catalytic reduction of CO ₂ with NHC-containing dicarbonyl rhenium(III) bipyridine complexes. <i>Dalton Transactions</i> , 2016, 45, 14524-14529.	1.6	50
62	Structures of b and a Product Ions from the Fragmentation of Argentinated Peptides. <i>Journal of the American Chemical Society</i> , 1998, 120, 7302-7309.	6.6	49
63	Model reactions for nitrogen fixation. Photo-induced formation and X-ray crystal structure of [Os ₂ (NH ₃) ₈ (MeCN) ₂ (N ₂)] ⁵⁺ from [Os VI (NH ₃) ₄ N] ³⁺ . <i>Journal of the Chemical Society Chemical Communications</i> , 1989, , 1883.	2.0	48
64	Homogeneous [Ru ^{III}](Me ₃ tcn)Cl ₃ Catalyzed Alkene <i>cis</i> -Dihydroxylation with Aqueous Hydrogen Peroxide. <i>Chemistry - an Asian Journal</i> , 2008, 3, 70-77.	1.7	48
65	Kinetics and Mechanism of Conformational Changes in a G-Quadruplex of Thrombin-Binding Aptamer Induced by Pb ²⁺ . <i>Journal of Physical Chemistry B</i> , 2011, 115, 13051-13056.	1.2	48
66	Osmium(vi) complexes as a new class of potential anti-cancer agents. <i>Chemical Communications</i> , 2011, 47, 2140.	2.2	46
67	Osmium(vi) nitrido complexes bearingazole heterocycles: a new class of antitumor agents. <i>Chemical Science</i> , 2012, 3, 1582.	3.7	46
68	Cytotoxic (salen)ruthenium(III) anticancer complexes exhibit different modes of cell death directed by axial ligands. <i>Chemical Science</i> , 2017, 8, 6865-6870.	3.7	46
69	Investigation of Cr(VI) reduction potential and mechanism by <i>Caldicellulosiruptor saccharolyticus</i> under glucose fermentation condition. <i>Journal of Hazardous Materials</i> , 2018, 344, 585-592.	6.5	46
70	Mechanism of alcohol oxidation by trans-dioxoruthenium(VI): the effect of driving force on reactivity. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 1551.	1.1	44
71	Oxidation of alkanes by barium ruthenate in acetic acid: catalysis by Lewis acids. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 766.	2.0	44
72	Osmium(VI) Nitrido and Osmium(IV) Phosphoraninato Complexes Containing Schiff Base Ligands. <i>Inorganic Chemistry</i> , 1999, 38, 6181-6186.	1.9	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. <i>Journal of Hazardous Materials</i> , 2020, 388, 121753.	6.5	44
74	Syntheses and structures of novel heterobimetallic Cu(II)-Au(I) complexes Cu(cyclen)[Au(CN) ₂] ₂ and Cu(py ₂ z)[Au(CN) ₂] ₂ . <i>Dalton Transactions RSC</i> , 2000, , 629-631.	2.3	43
75	Catalytic oxidation of water and alcohols by a robust iron(III) complex bearing a cross-bridged cyclam ligand. <i>Chemical Communications</i> , 2015, 51, 12189-12192.	2.2	43
76	Highly Efficient Photocatalytic Reduction of CO ₂ to CO by In Situ Formation of a Hybrid Catalytic System Based on Molecular Iron Quaterpyridine Covalently Linked to Carbon Nitride. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	43
77	Electrospray tandem mass spectrometry of oxo complexes of chromium, manganese and ruthenium. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 1487.	2.0	41
78	Biogenic FeS accelerates reductive dechlorination of carbon tetrachloride by <i>Shewanella putrefaciens</i> CN32. <i>Enzyme and Microbial Technology</i> , 2016, 95, 236-241.	1.6	40
79	Activation of manganese nitrido complexes by Brønsted and Lewis acids. Crystal structure and asymmetric alkene aziridination of a chiral salen manganese nitrido complex. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 2411-2414.	1.1	39
80	Kinetics and Mechanism of the Oxidation of Alkylaromatic Compounds by atrans-Dioxoruthenium(VI) Complex. <i>Inorganic Chemistry</i> , 2003, 42, 8011-8018.	1.9	38
81	A ruthenium(IV) oxo complex that contains a tertiary diamine ligand. <i>Journal of the Chemical Society Dalton Transactions</i> , 1990, , 967.	1.1	37
82	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.	6.6	37
83	A molecular noble metal-free system for efficient visible light-driven reduction of CO ₂ to CO. <i>Dalton Transactions</i> , 2019, 48, 9596-9602.	1.6	37
84	Innovative "Artificial Mussels"™ technology for assessing spatial and temporal distribution of metals in Goulburn-Murray catchments waterways, Victoria, Australia: Effects of climate variability (dry vs.) <i>TJ ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>		
85	Slow magnetic relaxation in a mononuclear 8-coordinate Fe(II) complex. <i>Chemical Communications</i> , 2017, 53, 1474-1477.	2.2	36
86	Synthesis and structures of dioxoruthenium(VI) complexes. Oxo transfer from trans-O ₂ Ru(py) ₂ (O ₂ CR) ₂ . <i>Inorganic Chemistry</i> , 1990, 29, 4190-4195.	1.9	35
87	Dalton communications. Lewis-acid catalysed oxidation of alkanes by chromate and permanganate. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 695.	1.1	35
88	Mechanisms of oxidation by trans-dioxoruthenium(VI) complexes containing macrocyclic tertiary amine ligands. <i>Coordination Chemistry Reviews</i> , 2007, 251, 2238-2252.	9.5	35
89	Synthesis and antitumor activity of a series of osmium(VI) nitrido complexes bearing quinolinolato ligands. <i>Chemical Communications</i> , 2013, 49, 9980.	2.2	35
90	Effects of morphology and exposed facets of Fe ₂ O ₃ nanocrystals on photocatalytic water oxidation. <i>RSC Advances</i> , 2015, 5, 52210-52216.	1.7	35

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91	Ca ²⁺ -Induced Oxygen Generation by FeO ₄ ²⁻ at pH 10. Angewandte Chemie - International Edition, 2016, 55, 3012-3016.	7.2	35
92	Facile N ³ -N Coupling of Manganese(V) Imido Species. Journal of the American Chemical Society, 2007, 129, 803-809.	6.6	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.	2.3	34
94	Reaction of a (Salen)ruthenium(VI) Nitrido Complex with Thiols. C-H Bond Activation by (Salen)ruthenium(IV) Sulfilamido Species. Inorganic Chemistry, 2010, 49, 73-81.	1.9	34
95	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. Journal of the American Chemical Society, 2014, 136, 7680-7687.	6.6	34
96	Mechanism of C-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.	1.6	33
98	New binuclear double-stranded manganese helicates as catalysts for alkene epoxidation. Dalton Transactions, 2010, 39, 9469.	1.6	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.	1.7	33
100	Formation of 1/4-dinitrogen (salen)osmium complexes via ligand-induced N ³ -N coupling of (salen)osmium(VI) nitrides. Dalton Transactions, 2010, 39, 11163.	1.6	32
101	pH universal Ru@N-doped carbon catalyst for efficient and fast hydrogen evolution. Catalysis Science and Technology, 2020, 10, 4405-4411.	2.1	32
102	Lewis acid activated oxidation of alkanes by barium ferrate. New Journal of Chemistry, 2000, 24, 587-590.	1.4	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.	2.6	31
104	Solvent Effects on the Oxidation of Ru ^{IV} O to ORu ^{VI} O by MnO ₄ ⁻ . Hydrogen-Atom versus Oxygen-Atom Transfer. Journal of the American Chemical Society, 2007, 129, 13646-13652.	6.6	30
105	A novel tricyanoruthenium(III) building block for the construction of bimetallic coordination polymers. Chemical Communications, 2010, 46, 6102.	2.2	30
106	Organic Photosensitizers for Catalytic Solar Fuel Generation. Energy & Fuels, 2021, 35, 18888-18899.	2.5	30
107	Metal-nitrido photo-oxidants: synthesis, photophysics, and photochemistry of [Os VI (NH ₃) ₄ (N)](X) ₃ (X) Tj ETQq1 1.0.784314 rgBT /Ove	2.0	28
108	Electronic effects of bis(acetylacetonate) in ruthenium(II) and ruthenium(III) complexes. Inorganic Chemistry, 1991, 30, 2921-2928.	1.9	28

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109	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.	1.9	28
110	Facile Direct Insertion of Nitrosonium Ion (NO ⁺) into a Ruthenium ^{II} -Aryl Bond. <i>Organometallics</i> , 2011, 30, 1311-1314.	1.1	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. <i>Journal of Materials Chemistry A</i> , 2021, 9, 12196-12202.	5.2	28
112	Sequencing of Argentinated Peptides by Means of Matrix-Assisted Laser Desorption/Ionization Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2002, 74, 2072-2082.	3.2	27
113	Photochemical nitrogenation of alkanes and arenes by a strongly luminescent osmium(VI) nitrido complex. <i>Communications Chemistry</i> , 2019, 2, .	2.0	26
114	Elucidation of the key role of Pt ^{II} -Pt interactions in the directional self-assembly of platinum(II) complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2116543119.	3.3	26
115	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.	6.6	25
116	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.	6.6	25
117	Kinetics and Mechanism of the Oxidation of Hydroquinones by a <i>trans</i> -Dioxoruthenium(VI) Complex. <i>Inorganic Chemistry</i> , 2006, 45, 315-321.	1.9	24
118	Cyano-bridged molecular squares: Synthesis and structures of [Ni(cyclen)] ₂ [Pt(CN) ₄] ₂ ·6H ₂ O, [Ni(cyclen)] ₂ [Ni(CN) ₄] ₂ ·6H ₂ O and [Mn(cyclen)] ₂ [Ni(CN) ₄] ₂ ·6H ₂ O. <i>Polyhedron</i> , 2006, 25, 1256-1262.	1.0	24
119	Proton-Bridged Dinuclear (salen)Ru Carbene Complexes: Synthesis, Structure, and Reactivity of {[(salchda)Ru ^{II} ·C(OR)(CH ₂ Ph) ₂] ₂ H ⁺ }. <i>Organometallics</i> , 2008, 27, 324-326.	1.1	24
120	Synthesis and Photophysical Properties of Ruthenium(II) Isocyanide Complexes Containing 8-Quinolinolate Ligands. <i>Organometallics</i> , 2009, 28, 5709-5714.	1.1	24
121	Reaction of a (Salen)ruthenium(VI) Nitrido Complex with Isocyanide. <i>Inorganic Chemistry</i> , 2009, 48, 3080-3086.	1.9	24
122	<i>trans</i> -[Os ^{III} (salen)(CN) ₂] ⁺ : A New Paramagnetic Building Block for the Construction of Molecule-Based Magnetic Materials. <i>Inorganic Chemistry</i> , 2010, 49, 1607-1614.	1.9	24
123	A Hybrid Co Quaterpyridine Complex/Carbon Nanotube Catalytic Material for CO ₂ Reduction in Water. <i>Angewandte Chemie</i> , 2018, 130, 7895-7899.	1.6	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. <i>Environmental Pollution</i> , 2018, 243, 197-205.	3.7	24
125	Molecular Electrochemical Catalysis of the CO ₂ -to-CO Conversion with a Co Complex: A Cyclic Voltammetry Mechanistic Investigation. <i>Organometallics</i> , 2019, 38, 1280-1285.	1.1	24
126	Comparison of metal accumulation between Artificial Mussel™ and natural mussels (Mytilus) Tj ETQqO 0 0 rgBT /Overlock 10 Tf 50	2.3	23

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127	Mechanism of Water Oxidation by Ferrate(VI) at pH 9. Chemistry - A European Journal, 2018, 24, 18735-18742.	1.7	23
128	An Iron Quaterpyridine Complex as Precursor for the Electrocatalytic Reduction of CO ₂ to Methane. ChemSusChem, 2019, 12, 4500-4505.	3.6	23
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