Etsuko Fujita

List of Publications by Year
in descending order

173 papers	18,574 citations	14655 66 h-index	11939 134 g-index
189 all docs	189 docs citations	189 times ranked	15997 citing authors

#	Article	IF	Citations
1	Frontiers, Opportunities, and Challenges in Biochemical and Chemical Catalysis of CO₂ Fixation. Chemical Reviews, 2013, 113, 6621-6658.	47.7	1,786
2	Catalysis Research of Relevance to Carbon Management:â€‰ Progress, Challenges, and Opportunities. Chemical Reviews, 2001, 101, 953-996.	47.7	1,311
3	CO₂ Hydrogenation to Formate and Methanol as an Alternative to Photo- and Electrochemical CO₂ Reduction. Chemical Reviews, 2015, 115, 12936-12973.	47.7	1,244
4	Molecular Approaches to the Photocatalytic Reduction of Carbon Dioxide for Solar Fuels. Accounts of Chemical Research, 2009, 42, 1983-1994.	15.6	1,129
5	Recent developments in transition metal carbides and nitrides as hydrogen evolution electrocatalysts. Chemical Communications, 2013, 49, 8896.	4.1	1,035
6	Reversible hydrogen storage using CO2 and a proton-switchable iridium catalyst in aqueous media under mild temperatures and pressures. Nature Chemistry, 2012, 4, 383-388.	13.6	830
7	Thermodynamics and kinetics of CO2, CO, and H+ binding to the metal centre of CO2reductioncatalysts. Chemical Society Reviews, 2012, 41, 2036-2051.	38.1	632
8	Biomass-derived electrocatalytic composites for hydrogen evolution. Energy and Environmental Science, 2013, 6, 1818.	30.8	343
9	Involvement of a Binuclear Species with the Reâˆ'C(O)Oâˆ'Re Moiety in CO2 Reduction Catalyzed by Tricarbonyl Rhenium(I) Complexes with Diimine Ligands:â€‰ Strikingly Slow Formation of the Reâˆ'Re and Reâˆ'C(O)Oâˆ'Re Species from Re(dmb)(CO)3S (dmb = 4,4â€˜-Dimethyl-2,2â€˜-bipyridine, S = Solvent). Journal of the American Chemical Society, 2003, 125, 11976-11987.	13.7	291
10	Photochemical carbon dioxide reduction with metal complexes. Coordination Chemistry Reviews, 1999, 185-186, 373-384.	18.8	261
11	Cobalt Porphyrin Catalyzed Reduction of CO2. Radiation Chemical, Photochemical, and Electrochemical Studies. Journal of Physical Chemistry A, 1998, 102, 2870-2877.	2.5	229
12	Second-coordination-sphere and electronic effects enhance iridium(iii)-catalyzed homogeneous hydrogenation of carbon dioxide in water near ambient temperature and pressure. Energy and Environmental Science, 2012, 5, 7923.	30.8	228
13	Efficient and selective electron mediation of cobalt complexes with cyclam and related macrocycles in the p-terphenyl-catalyzed photoreduction of carbon dioxide. Journal of the American Chemical Society, 1993, 115, 601-609.	13.7	220
14	Theoretical studies of the mechanism of catalytic hydrogen production by a cobaloxime. Chemical Communications, 2011, 47, 12456.	4.1	213
15	Mechanisms for CO Production from CO₂ Using Reduced Rhenium Tricarbonyl Catalysts. Journal of the American Chemical Society, 2012, 134, 5180-5186.	13.7	213
16	Reduction of Cobalt and Iron Corroles and Catalyzed Reduction of CO2. Journal of Physical Chemistry A, 2002, 106, 4772-4778.	2.5	207
17	Water Oxidation by a Ruthenium Complex with Noninnocent Quinone Ligands: Possible Formation of an Oâˆ'O Bond at a Low Oxidation State of the Metal. Inorganic Chemistry, 2008, 47, 1787-1802.	4.0	200
18	A review of iron and cobalt porphyrins, phthalocyanines and related complexes for electrochemical and photochemical reduction of carbon dioxide. Journal of Porphyrins and Phthalocyanines, 2015, 19, 45-64.	0.8	190

#	Article	IF	Citations
19	Water Oxidation by a Mononuclear Ruthenium Catalyst: Characterization of the Intermediates. Journal of the American Chemical Society, 2011, 133, 14649-14665.	13.7	180
20	Nickel(ii) macrocycles: highly efficient electrocatalysts for the selective reduction of CO2 to CO. Energy and Environmental Science, 2012, 5, 9502.	30.8	180
21	Mechanistic and Kinetic Studies of Cobalt Macrocycles in a Photochemical CO2 Reduction System: Evidence of Co-CO2 Adducts as Intermediates. Journal of the American Chemical Society, 1995, 117, 6708-6716.	13.7	171
22	Mechanistic Insight through Factors Controlling Effective Hydrogenation of CO₂ Catalyzed by Bioinspired Proton-Responsive Iridium(III) Complexes. ACS Catalysis, 2013, 3, 856-860.	11.2	169
23	Ruthenium complexes with non-innocent ligands: Electron distribution and implications for catalysis. Coordination Chemistry Reviews, 2010, 254, 309-330.	18.8	163
24	Toward more efficient photochemical CO2 reduction: Use of scCO2 or photogenerated hydrides. Coordination Chemistry Reviews, 2010, 254, 2472-2482.	18.8	162
25	Carbon dioxide activation by cobalt(I) macrocycles: factors affecting carbon dioxide and carbon monoxide binding. Journal of the American Chemical Society, 1991, 113, 343-353.	13.7	158
26	Reaction of NH3 with Titania:â€‰ N-Doping of the Oxide and TiN Formation. Journal of Physical Chemistry C, 2007, 111, 1366-1372.	3.1	145
27	Cp*Co(III) Catalysts with Proton-Responsive Ligands for Carbon Dioxide Hydrogenation in Aqueous Media. Inorganic Chemistry, 2013, 52, 12576-12586.	4.0	142
28	Photo-Induced Generation of Dihydrogen and Reduction of Carbon Dioxide Using Transition Metal Complexes. Comments on Inorganic Chemistry, 1997, 19, 67-92.	5.2	141
29	Highly Robust Hydrogen Generation by Bioinspired Ir Complexes for Dehydrogenation of Formic Acid in Water: Experimental and Theoretical Mechanistic Investigations at Different pH. ACS Catalysis, 2015, 5, 5496-5504.	11.2	134
30	p-Terphenyl-Sensitized Photoreduction of CO2with Cobalt and Iron Porphyrins. Interaction between CO and Reduced Metalloporphyrins. Journal of Physical Chemistry A, 1999, 103, 7742-7748.	2.5	129
31	Formic Acid Dehydrogenation with Bioinspired Iridium Complexes: A Kinetic Isotope Effect Study and Mechanistic Insight. ChemSusChem, 2014, 7, 1976-1983.	6.8	123
32	Efficient H₂generation from formic acid using azole complexes in water. Catalysis Science and Technology, 2014, 4, 34-37.	4.1	118
33	Carbon dioxide activation: thermodynamics of carbon dioxide binding and the involvement of two cobalt centers in the reduction of carbon dioxide by a cobalt(I) macrocycle. Journal of the American Chemical Society, 1988, 110, 4870-4871.	13.7	117
34	Thermodynamic and Kinetic Hydricity of Ruthenium(II) Hydride Complexes. Journal of the American Chemical Society, 2012, 134, 15743-15757.	13.7	117
35	Unexpected Roles of Triethanolamine in the Photochemical Reduction of CO₂ to Formate by Ruthenium Complexes. Journal of the American Chemical Society, 2020, 142, 2413-2428.	13.7	115
36	CO₂ Hydrogenation Catalyzed by Iridium Complexes with a Proton-Responsive Ligand. Inorganic Chemistry, 2015, 54, 5114-5123.	4.0	106

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37	Positional Effects of Hydroxy Groups on Catalytic Activity of Proton-Responsive Half-Sandwich Cp*Iridium(III) Complexes. Organometallics, 2014, 33, 6519-6530.	2.3	104
38	Direct XANES Evidence for Charge Transfer in Coâ˘'CO2Complexes. Journal of the American Chemical Society, 1997, 119, 4549-4550.	13.7	103
39	EXAFS studies of nickel(II), nickel(I), and Ni(I)-CO tetraazamacrocycles and the crystal structure of (5,7,7,12,14,14-hexamethyl-1,4,8,11-tetraazacyclotetradeca-4,11-diene)nickel(I) perchlorate. Journal of the American Chemical Society, 1991, 113, 883-892.	13.7	102
40	Tungsten Carbideâ€"Nitride on Graphene Nanoplatelets as a Durable Hydrogen Evolution Electrocatalyst. ChemSusChem, 2014, 7, 2414-2418.	6.8	101
41	Interconversion of CO2 and formic acid by bio-inspired Ir complexes with pendent bases. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 1031-1038.	1.0	100
42	Carbon dioxide activation by cobalt macrocycles: evidence of hydrogen bonding between bound CO2 and the macrocycle in solution. Inorganic Chemistry, 1993, 32, 2657-2662.	4.0	99
43	New Directions for the Photocatalytic Reduction of CO₂: Supramolecular, scCO₂ or Biphasic Ionic Liquidâ˘'scCO₂ Systems. Journal of Physical Chemistry Letters, 2010, 1, 2709-2718.	4.6	98
44	Effects of a Proximal Base on Water Oxidation and Proton Reduction Catalyzed by Geometric Isomers of [Ru(tpy)(pynap)(OH₂)]²⁺. Angewandte Chemie - International Edition, 2011, 50, 12600-12604.	13.8	94
45	Photochemical and Radiolytic Production of an Organic Hydride Donor with a RuII Complex Containing an NAD+ Model Ligand. Angewandte Chemie - International Edition, 2007, 46, 4169-4172.	13.8	89
46	Toward photochemical carbon dioxide activation by transition metal complexes. Coordination Chemistry Reviews, 1994, 132, 195-200.	18.8	88
47	Push or Pull? Proton Responsive Ligand Effects in Rhenium Tricarbonyl CO₂ Reduction Catalysts. Journal of Physical Chemistry B, 2015, 119, 7457-7466.	2.6	88
48	High Electrocatalytic Activity of RRSS-[NiIIHTIM](ClO4)2 and [NiIIDMC](ClO4)2 for Carbon Dioxide Reduction (HTIM = 2,3,9,10-Tetramethyl-1,4,8,11-tetraazacyclotetradecane, DMC =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 293 Td (C-me	4.0	83
49	Striving Toward Noble-Metal-Free Photocatalytic Water Splitting: The Hydrogenated-Grapheneâ€"TiO₂ Prototype. Chemistry of Materials, 2015, 27, 6282-6296.	6.7	81
50	Polynuclear complexes with hydrogen-bonded bridges. 4. Structure and magnetic properties of dinuclear copper(II) complexes of amino alcohols. Inorganic Chemistry, 1980, 19, 2022-2028.	4.0	78
51	Thermodynamics and kinetics of carbon dioxide binding to two stereoisomers of a cobalt(I) macrocycle in aqueous solution. Journal of the American Chemical Society, 1991, 113, 3361-3371.	13.7	78
52	Why Is Reâ˘'Re Bond Formation/Cleavage in [Re(bpy)(CO)3]2Different from That in [Re(CO)5]2? Experimental and Theoretical Studies on the Dimers and Fragments. Inorganic Chemistry, 2004, 43, 7636-7647.	4.0	78
53	Mechanism of Hydride Donor Generation Using a Ru(II) Complex Containing an NAD⁺ Model Ligand: Pulse and Steady-State Radiolysis Studies. Inorganic Chemistry, 2008, 47, 3958-3968.	4.0	78
54	Highly Efficient D₂ Generation by Dehydrogenation of Formic Acid in D₂O through H⁺/D⁺ Exchange on an Iridium Catalyst: Application to the Synthesis of Deuterated Compounds by Transfer Deuterogenation. Chemistry - A European Journal, 2012, 18, 9397-9404.	3.3	75

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55	Characterization of Redox States of Ru(OH₂)(Q)(tpy)²⁺ (Q =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Experimental and Theoretical Studies. Inorganic Chemistry, 2009, 48, 4372-4383.	4.0	73
56	Water Oxidation with Mononuclear Ruthenium(II) Polypyridine Complexes Involving a Direct Ru^{IV}â•O Pathway in Neutral and Alkaline Media. Inorganic Chemistry, 2013, 52, 8845-8850.	4.0	72
57	Studies on mixed chelatesâ€"III. Journal of Inorganic and Nuclear Chemistry, 1974, 36, 1265-1270.	0.5	71
58	In Situ XRD Studies of ZnO/GaN Mixtures at High Pressure and High Temperature: Synthesis of Zn-Rich (Ga_{1â^'<i>x</i>}Zn_{<i>x</i>})(N_{1â^'<i>x</i>}O_{<i>x</i>}) Photocatalysts. Journal of Physical Chemistry C, 2010, 114, 1809-1814.	3.1	71
59	Calculation of thermodynamic hydricities and the design of hydride donors for CO ₂ reduction. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15657-15662.	7.1	71
60	Visible Light-Driven H₂ Production over Highly Dispersed Ruthenia on Rutile TiO₂ Nanorods. ACS Catalysis, 2016, 6, 407-417.	11.2	71
61	CO₂ Hydrogenation Catalysts with Deprotonated Picolinamide Ligands. ACS Catalysis, 2017, 7, 6426-6429.	11.2	70
62	Syntheses and Properties of Nickel(I) and Nickel(II) Complexes of a Series of Macrocyclic N4 Ligands: Crystal Structures of C-RSSR-[NiIHTIM](ClO4), C-RSSR-[NiIIHTIM](ClO4)2, C-RRSS-[NiIHTIM](ClO4)2, and [NiITIM](ClO4)2 (HTIM = 2,3,9,10-Tetramethyl-1,4,8,11-tetraazacyclotetradecane, TIM =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 457 Td (5855-5863.	4.0	69
63	Exploring the Structural and Electronic Properties of Pt/Ceria-Modified TiO₂ and Its Photocatalytic Activity for Water Splitting under Visible Light. Journal of Physical Chemistry C, 2012, 116, 14062-14070.	3.1	69
64	Direction to practical production of hydrogen by formic acid dehydrogenation with Cp*Ir complexes bearing imidazoline ligands. Catalysis Science and Technology, 2016, 6, 988-992.	4.1	69
65	Generation of a RuIIâ€"Semiquinoneâ€"Anilino-Radical Complex through the Deprotonation of a RuIIIâ€"Semiquinoneâ€"Anilido Complex. Angewandte Chemie - International Edition, 2007, 46, 5728-5730.	13.8	68
66	Interconversion of Formic Acid and Carbon Dioxide by Proton-Responsive, Half-Sandwich Cp*Ir^{III} Complexes: A Computational Mechanistic Investigation. ACS Catalysis, 2016, 6, 600-609.	11.2	68
67	Mechanism of water oxidation by [Ru(bda)(L)₂]: the return of the â€œblue dimerâ€• Chemical Communications, 2015, 51, 4105-4108.	4.1	67
68	Proton-Coupled Electron Transfer in a Strongly Coupled Photosystem II-Inspired Chromophoreâ€"Imidazoleâ€"Phenol Complex: Stepwise Oxidation and Concerted Reduction. Journal of the American Chemical Society, 2016, 138, 11536-11549.	13.7	66
69	Mechanistic Studies of Hydrogen Evolution in Aqueous Solution Catalyzed by a Tertpyridineâ€"Amine Cobalt Complex. Inorganic Chemistry, 2015, 54, 4310-4321.	4.0	64
70	Preparation of (Ga_{1â^'<i>x</i>}Zn_{<i>x</i>})(N_{1â^'<i>x</i>}O_{<i>x</i>}) Photocatalysts from the Reaction of NH₃ with Ga₂O₃/ZnO and ZnGa₂O₄: In Situ Time-Resolved XRD and XAFS Studies. Journal of Physical Chemistry C, 2009, 113, 3650-3659.	3.1	63
71	Efficient water oxidation with organometallic iridium complexes as precatalysts. Physical Chemistry Chemical Physics, 2014, 16, 11976.	2.8	63
72	Carbon Dioxide Reduction by Pincer Rhodium Î·2-Dihydrogen Complexes:Â Hydrogen-Binding Modes and Mechanistic Studies by Density Functional Theory Calculations. Organometallics, 2007, 26, 508-513.	2.3	62

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73	CO₂ Hydrogenation and Formic Acid Dehydrogenation Using Ir Catalysts with Amide-Based Ligands. Organometallics, 2020, 39, 1519-1531.	2.3	61
74	Artificial Photosynthesis: Beyond Mimicking Nature. ChemSusChem, 2017, 10, 4228-4235.	6.8	59
75	Models for nitrite reductases. Redox chemistry of iron-nitrosyl porphyrins, chlorins, and isobacteriochlorins and .pi. cation radicals of cobalt-nitrosyl isobacteriochlorins. Journal of the American Chemical Society, 1983, 105, 6743-6745.	13.7	57
76	Efficient Hydrogen Storage and Production Using a Catalyst with an Imidazolineâ€Based, Protonâ€Responsive Ligand. ChemSusChem, 2017, 10, 1071-1075.	6.8	57
77	Investigation of excited state, reductive quenching, and intramolecular electron transfer of Ru(<scp>ii</scp>)â€“Re(<scp>i</scp>) supramolecular photocatalysts for CO₂reduction using time-resolved IR measurements. Chemical Science, 2018, 9, 2961-2974.	7.4	53
78	Photocatalytic CO₂ Reduction by Trigonal-Bipyramidal Cobalt(II) Polypyridyl Complexes: The Nature of Cobalt(I) and Cobalt(0) Complexes upon Their Reactions with CO₂, CO, or Proton. Inorganic Chemistry, 2018, 57, 5486-5498.	4.0	53
79	Hierarchical Heterogeneity at the CeO_{<i>x</i>}â€“TiO₂ Interface: Electronic and Geometric Structural Influence on the Photocatalytic Activity of Oxide on Oxide Nanostructures. Journal of Physical Chemistry C, 2015, 119, 2669-2679.	3.1	52
80	Carbon Dioxide Hydrogenation and Formic Acid Dehydrogenation Catalyzed by Iridium Complexes Bearing Pyridylâ€pyrazole Ligands: Effect of an Electronâ€donating Substituent on the Pyrazole Ring on the Catalytic Activity and Durability. Advanced Synthesis and Catalysis, 2019, 361, 289-296.	4.3	52
81	Striking Differences in Properties of Geometric Isomers of [Ir(tpy)(ppy)H]⁺: Experimental and Computational Studies of their Hydricities, Interaction with CO₂, and Photochemistry. Angewandte Chemie - International Edition, 2015, 54, 14128-14132.	13.8	51
82	Proton management as a design principle for hydrogenase-inspired catalysts. Energy and Environmental Science, 2011, 4, 3008.	30.8	50
83	The One-Electron Oxidation of an Azazirconacyclobutene in the Presence of B(C6F5)3. Journal of the American Chemical Society, 1999, 121, 7274-7275.	13.7	49
84	New Water Oxidation Chemistry of a Seven-Coordinate Ruthenium Complex with a Tetradentate Polypyridyl Ligand. Inorganic Chemistry, 2014, 53, 6904-6913.	4.0	48
85	Cobalt(II) nitrosyl cation radicals of porphyrins, chlorins, and isobacteriochlorins. Models for nitrite and sulfite reductases and implications for A1u heme radicals. Journal of the American Chemical Society, 1985, 107, 7665-7669.	13.7	45
86	Photochemical Stereospecific Hydrogenation of a Ru Complex with an NAD⁺/NADH-Type Ligand. Inorganic Chemistry, 2009, 48, 11510-11512.	4.0	45
87	Modification of BiVO₄/WO₃ composite photoelectrodes with Al₂O₃<i>via</i> chemical vapor deposition for highly efficient oxidative H₂O₂ production from H₂O. Sustainable Energy and Fuels, 2018, 2, 1621-1629.	4.9	44
88	Biomass-derived high-performance tungsten-based electrocatalysts on graphene for hydrogen evolution. Journal of Materials Chemistry A, 2015, 3, 18572-18577.	10.3	43
89	Iridium Complexes with Protonâ€Responsive Azoleâ€Type Ligands as Effective Catalysts for CO₂ Hydrogenation. ChemSusChem, 2017, 10, 4535-4543.	6.8	41
90	Diminished photoisomerization of active ruthenium water oxidation catalyst by anchoring to metal oxide electrodes. Journal of Catalysis, 2013, 307, 140-147.	6.2	39

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91	Efficient Cp*Ir Catalysts with Imidazoline Ligands for CO2Hydrogenation. European Journal of Inorganic Chemistry, 2015, 2015, 5591-5594.	2.0	39
92	Photophysical properties of covalently attached tris(bipyridine)ruthenium(2+) and Mcyclam2+ (M =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.0	38
93	Noninnocent Proton-Responsive Ligand Facilitates Reductive Deprotonation and Hinders CO₂ Reduction Catalysis in [Ru(tpy)(6DHBP)(NCCH₃)]²⁺ (6DHBP =) Tj ETQq1 1 0.784314 rgBT	4.0	37
94	Substituents dependent capability of bis(ruthenium-dioxolene-terpyridine) complexes toward water oxidation. Dalton Transactions, 2011, 40, 2225-2233.	3.3	36
95	Hydroxy-substituted pyridine-like N-heterocycles: versatile ligands in organometallic catalysis. New Journal of Chemistry, 2013, 37, 1860.	2.8	36
96	Additive-Free Ruthenium-Catalyzed Hydrogen Production from Aqueous Formaldehyde with High Efficiency and Selectivity. ACS Catalysis, 2018, 8, 8600-8605.	11.2	36
97	Enabling light-driven water oxidation via a low-energy RuIVî€O intermediate. Physical Chemistry Chemical Physics, 2013, 15, 14058.	2.8	35
98	Tetra- and Heptametallic Ru(II),Rh(III) Supramolecular Hydrogen Production Photocatalysts. Journal of the American Chemical Society, 2017, 139, 7843-7854.	13.7	35
99	Picolinamideâ€Based Iridium Catalysts for Dehydrogenation of Formic Acid in Water: Effect of Amide N Substituent on Activity and Stability. Chemistry - A European Journal, 2018, 24, 18389-18392.	3.3	35
100	Structure of tetranuclear cobalt(II)-Cobalt(III) complex of bis(2-hydroxyethyl)amine, [Co4{NH(C2H4OH)2}2{NH(C2H4O)2}4](ClO4)2. Inorganic Chemistry, 1979, 18, 230-233.	4.0	34
101	A dissociative pathway for equilibration of a hydrido CoL(H)2+ complex with carbon dioxide and carbon monoxide. Ligand binding constants in the macrocyclic [14]-dienecobalt(I) system. Journal of the American Chemical Society, 1989, 111, 1153-1154.	13.7	34
102	Exploring the intermediates of photochemical CO₂reduction: reaction of Re(dmb)(CO)₃ COOH with CO₂. Chemical Communications, 2012, 48, 6797-6799.	4.1	34
103	Understanding the Role of Inter- and Intramolecular Promoters in Electro- and Photochemical CO₂ Reduction Using Mn, Re, and Ru Catalysts. Accounts of Chemical Research, 2022, 55, 616-628.	15.6	34
104	Bridged ferrocenes. Journal of Organometallic Chemistry, 1978, 155, 87-98.	1.8	33
105	Effect of Pressure on the Reversible Binding of Acetonitrile to the â€œCo(I)â^'CO2â€•Adduct To Form Cobalt(III) Carboxylate. Inorganic Chemistry, 1998, 37, 360-362.	4.0	33
106	Carbon-to-Metal Hydrogen Atom Transfer:Â Direct Observation Using Time-Resolved Infrared Spectroscopy. Journal of the American Chemical Society, 2005, 127, 15684-15685.	13.7	33
107	Differences of pH-Dependent Mechanisms on Generation of Hydride Donors using Ru(II) Complexes Containing Geometric Isomers of NAD⁺ Model Ligands: NMR and Radiolysis Studies in Aqueous Solution. Inorganic Chemistry, 2010, 49, 8034-8044.	4.0	33
108	Synthesis of Fluorinated ReCl(4,4â€²-R₂-2,2â€²-bipyridine)(CO)₃Complexes and Their Photophysical Characterization in CH₃CN and Supercritical CO₂. Inorganic Chemistry, 2009, 48, 1796-1798.	4.0	30

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109	Transition State Characterization for the Reversible Binding of Dihydrogen to Bis(2,2'-bipyridine)rhodium(I) from Temperature- and Pressure-Dependent Experimental and Theoretical Studies. Inorganic Chemistry, 2006, 45, 1595-1603.	4.0	29
110	Bridged Ferrocenes. Journal of Organometallic Chemistry, 1978, 155, 99-108.	1.8	28
111	Enhancing Electrocatalytic Performance of Bifunctional Cobaltâ€"Manganeseâ€Oxynitride Nanocatalysts on Graphene. ChemSusChem, 2017, 10, 68-73.	6.8	28
112	Application of External-Cavity Quantum Cascade Infrared Lasers to Nanosecond Time-Resolved Infrared Spectroscopy of Condensed-Phase Samples following Pulse Radiolysis. Applied Spectroscopy, 2010, 64, 563-570.	2.2	26
113	Cobalt(I), -(II), and -(III) complexes of a tetraaza 14-membered macrocycle, 5,7,7,12,14,14-hexamethyl-1,4,8,11-tetraazacyclotetradeca-4,11-diene (L). Crystal and molecular structures of [CoL(CO)]ClO4, trans-CoLCl2, and cis-[CoL(CO3)]ClO4. Inorganic Chemistry, 1989, 28, 1446-1450.	4.0	25
114	Iron(II) and Ruthenium(II) Complexes Containing P, N, and H Ligands: Structure, Spectroscopy, Electrochemistry, and Reactivity. Inorganic Chemistry, 2010, 49, 9380-9391.	4.0	25
115	Kinetic and Mechanistic Studies of Carbon-to-Metal Hydrogen Atom Transfer Involving Os-Centered Radicals: Evidence for Tunneling. Journal of the American Chemical Society, 2014, 136, 3572-3578.	13.7	25
116	Solution studies of the cobalt(II) N-rac- and N-meso-Col2+ isomers and molecular and crystal structures of the low-spin, five-coordinate cobalt(II) macrocyclic complexes N-rac-[CoL(H2O)](ClO4)2.cntdot.0.6H2O (1) and N-rac-[CoL(OC103)]ClO4 (2) (L =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 457 Td (5,7,7 3214-3219.	4.0	24
117	Interconversion of CO2/H2 and Formic Acid Under Mild Conditions in Water. Advances in Inorganic Chemistry, 2014, 66, 189-222.	1.0	24
118	Application of Pulse Radiolysis to Mechanistic Investigations of Catalysis Relevant to Artificial Photosynthesis. ChemSusChem, 2017, 10, 4359-4373.	6.8	24
119	Crystal and molecular structure of bis[N(picolinoyl)-3-amino-1-propoxidoaquocopper(II)] dihydrate. Copper(II) dimer containing a bent four-membered ring. Inorganic Chemistry, 1974, 13, 2067-2071.	4.0	23
120	Reversible Formation of Bis(2,2â€˜-bipyridine)rhodium(III) Dihydride from Bis(2,2â€˜-bipyridine)rhodium(I) and Dihydrogen. Direct Transfer of Dihydrogen from Rhodium(III) Dihydride to Rhodium(I). Journal of the American Chemical Society, 1998, 120, 10553-10554.	13.7	23
121	Selective decarbonylation by a pincer PCP-rhodium(I) complex. Inorganica Chimica Acta, 2008, 361, 3327-3331.	2.4	23
122	ESR and ENDOR of bacteriopheophytin a radicals. Implications for bacteriochlorophylls in vivo. Journal of the American Chemical Society, 1986, 108, 323-325.	13.7	22
123	XAS studies of Ni(I), Ni(II), and Ni(III) complexes. Physica B: Condensed Matter, 1995, 208-209, 739-742.	2.7	22
124	Reactivity of a fac-ReCl(Î±-diimine)(CO)₃complex with an NAD⁺model ligand toward CO₂reduction. Chemical Communications, 2014, 50, 728-730.	4.1	22
125	Bridged Ferrocenes VIII. Correlation of redox potentials with structure. Journal of Organometallic Chemistry, 1981, 218, 105-114.	1.8	21
126	Oxidation State Characterization of Ruthenium 2â€"Iminoquinone Complexes through Experimental and Theoretical Studies. Inorganic Chemistry, 2010, 49, 860-869.	4.0	21

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127	Reactions of hydroxymethyl and hydride complexes in water: synthesis, structure and reactivity of a hydroxymethylâ€“cobalt complex. Coordination Chemistry Reviews, 2005, 249, 375-390.	18.8	20
128	Highly Efficient and Selective Methanol Production from Paraformaldehyde and Water at Room Temperature. ACS Catalysis, 2018, 8, 5233-5239.	11.2	20
129	Polynuclear complexes with hydrogen-bonded bridges. 3. Oxygen-oxygen hydrogen bonding between tris chelates of 2-aminoethanol. Inorganic Chemistry, 1979, 18, 2419-2423.	4.0	19
130	Mechanistic Information from Pressure Acceleration of Hydride Formation via Proton Binding to a Cobalt(I) Macrocycle. Inorganic Chemistry, 2002, 41, 1579-1583.	4.0	19
131	Enantioselectivities in Electron-Transfer and Excited State Quenching Reactions of a Chiral Ruthenium Complex Possessing a Helical Structure. Journal of Physical Chemistry A, 1999, 103, 5645-5654.	2.5	18
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