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	Role of Bimetallic Interactions in the Enhancement of Catalytic CO₂ Reduction by a Macrocyclic Cobalt Catalyst. ACS Catalysis, 2022, 12, 1706-1717.	11.2	15
2	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
3	Photochemical CO₂ Reduction Using Rhenium(I) Tricarbonyl Complexes with Bipyridylâ€Type Ligands with and without Second Coordination Sphere Effects. ChemPhotoChem, 2021, 5, 526-537.	3.0	11
4	Distinct Mechanisms and Hydricities of Cp*Ir-Based CO₂ Hydrogenation Catalysts in Basic Water. ACS Catalysis, 2021, 11, 5776-5788.	11.2	17
5	Photochemical CO 2 Reduction Using Rhenium(I) Tricarbonyl Complexes with Bipyridylâ€Type Ligands with and without Second Coordination Sphere Effects. ChemPhotoChem, 2021, 5, 494-494.	3.0	1
6	Structural and Electronic Influences on Rates of Tertpyridineâˆ'Amine Co^{III}âˆ'H Formation During Catalytic H₂ Evolution in an Aqueous Environment. ChemPhysChem, 2021, 22, 1478-1487.	2.1	3
7	H₂O₂ production on a carbon cathode loaded with a nickel carbonate catalyst and on an oxide photoanode without an external bias. RSC Advances, 2021, 11, 11224-11232.	3.6	2
8	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
9	Molecular Catalysts with Intramolecular Reâ€“O Bond for Electrochemical Reduction of Carbon Dioxide. Inorganic Chemistry, 2020, 59, 12187-12199.	4.0	9
10	Comprehensive Mechanisms of Electrocatalytic CO₂ Reduction by [Ir(bip)(ppy)(CH₃CN)](PF₆)₂. ACS Catalysis, 2020, 10, 6497-6509.	11.2	8
11	CO₂ Hydrogenation and Formic Acid Dehydrogenation Using Ir Catalysts with Amide-Based Ligands. Organometallics, 2020, 39, 1519-1531.	2.3	61
12	Significance of an anion effect in the selective oxidation of Ce3+ to Ce4+ over a porous WO3 photoanode. Electrochimica Acta, 2019, 307, 369-374.	5.2	7
13	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
14	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
15	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
16	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
17	Highly Efficient and Selective Methanol Production from Paraformaldehyde and Water at Room Temperature. ACS Catalysis, 2018, 8, 5233-5239.	11.2	20
18	Additive-Free Ruthenium-Catalyzed Hydrogen Production from Aqueous Formaldehyde with High Efficiency and Selectivity. ACS Catalysis, 2018, 8, 8600-8605.	11.2	36

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19	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
20	Hydricity, electrochemistry, and excited-state chemistry of Ir complexes for CO₂ reduction. Faraday Discussions, 2017, 198, 301-317.	3.2	11
21	Biological approaches to artificial photosynthesis, fundamental processes and theoretical approaches: general discussion. Faraday Discussions, 2017, 198, 147-168.	3.2	0
22	Inorganic assembly catalysts for artificial photosynthesis: general discussion. Faraday Discussions, 2017, 198, 481-507.	3.2	2
23	Molecular catalysts for artificial photosynthesis: general discussion. Faraday Discussions, 2017, 198, 353-395.	3.2	6
24	Tetra- and Heptametallic Ru(II),Rh(III) Supramolecular Hydrogen Production Photocatalysts. Journal of the American Chemical Society, 2017, 139, 7843-7854.	13.7	35
25	CO₂ Hydrogenation Catalysts with Deprotonated Picolinamide Ligands. ACS Catalysis, 2017, 7, 6426-6429.	11.2	70
26	Application of Pulse Radiolysis to Mechanistic Investigations of Catalysis Relevant to Artificial Photosynthesis. ChemSusChem, 2017, 10, 4359-4373.	6.8	24
27	Artificial Photosynthesis: Beyond Mimicking Nature. ChemSusChem, 2017, 10, 4228-4235.	6.8	59
28	Enhancing Electrocatalytic Performance of Bifunctional Cobaltâ€“Manganeseâ€Oxynitride Nanocatalysts on Graphene. ChemSusChem, 2017, 10, 68-73.	6.8	28
29	Efficient Hydrogen Storage and Production Using a Catalyst with an Imidazolineâ€Based, Protonâ€Responsive Ligand. ChemSusChem, 2017, 10, 1071-1075.	6.8	57
30	Iridium Complexes with Protonâ€Responsive Azoleâ€Type Ligands as Effective Catalysts for CO₂ Hydrogenation. ChemSusChem, 2017, 10, 4535-4543.	6.8	41
31	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
32	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
33	Unraveling the Hydrogenation of TiO₂ and Graphene Oxide/TiO₂ Composites in Real Time by in Situ Synchrotron X-ray Powder Diffraction and Pair Distribution Function Analysis. Journal of Physical Chemistry C, 2016, 120, 3472-3482.	3.1	16
34	Visible Light-Driven H₂ Production over Highly Dispersed Ruthenia on Rutile TiO₂ Nanorods. ACS Catalysis, 2016, 6, 407-417.	11.2	71
35	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
36	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

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37	Efficient Cp*Ir Catalysts with Imidazoline Ligands for CO2Hydrogenation. European Journal of Inorganic Chemistry, 2015, 2015, 5591-5594.	2.0	39
38	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
39	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
40	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
41	CO₂ Hydrogenation Catalyzed by Iridium Complexes with a Proton-Responsive Ligand. Inorganic Chemistry, 2015, 54, 5114-5123.	4.0	106
42	Preface for Small-Molecule Activation: Carbon-Containing Fuels. Inorganic Chemistry, 2015, 54, 5040-5042.	4.0	3
43	Biomass-derived high-performance tungsten-based electrocatalysts on graphene for hydrogen evolution. Journal of Materials Chemistry A, 2015, 3, 18572-18577.	10.3	43
44	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
45	Mechanistic Studies of Hydrogen Evolution in Aqueous Solution Catalyzed by a Tertpyridineâ€"Amine Cobalt Complex. Inorganic Chemistry, 2015, 54, 4310-4321.	4.0	64
46	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
47	Striving Toward Noble-Metal-Free Photocatalytic Water Splitting: The Hydrogenated-Grapheneâ€"TiO₂ Prototype. Chemistry of Materials, 2015, 27, 6282-6296.	6.7	81
48	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
49	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
50	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
51	Formic Acid Dehydrogenation with Bioinspired Iridium Complexes: A Kinetic Isotope Effect Study and Mechanistic Insight. ChemSusChem, 2014, 7, 1976-1983.	6.8	123
52	Interconversion of CO2/H2 and Formic Acid Under Mild Conditions in Water. Advances in Inorganic Chemistry, 2014, 66, 189-222.	1.0	24
53	Efficient water oxidation with organometallic iridium complexes as precatalysts. Physical Chemistry Chemical Physics, 2014, 16, 11976.	2.8	63
54	Efficient H₂generation from formic acid using azole complexes in water. Catalysis Science and Technology, 2014, 4, 34-37.	4.1	118

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55	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
56	Tungsten Carbideâ€"Nitride on Graphene Nanoplatelets as a Durable Hydrogen Evolution Electrocatalyst. ChemSusChem, 2014, 7, 2414-2418.	6.8	101
57	New Water Oxidation Chemistry of a Seven-Coordinate Ruthenium Complex with a Tetradentate Polypyridyl Ligand. Inorganic Chemistry, 2014, 53, 6904-6913.	4.0	48
58	Theoretical Modeling of Lowâ€Energy Electronic Absorption Bands in Reduced Cobaloximes. ChemPhysChem, 2014, 15, 2951-2958.	2.1	11
59	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
60	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
61	Diminished photoisomerization of active ruthenium water oxidation catalyst by anchoring to metal oxide electrodes. Journal of Catalysis, 2013, 307, 140-147.	6.2	39
62	Recent developments in transition metal carbides and nitrides as hydrogen evolution electrocatalysts. Chemical Communications, 2013, 49, 8896.	4.1	1,035
63	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
64	Cp*Co(III) Catalysts with Proton-Responsive Ligands for Carbon Dioxide Hydrogenation in Aqueous Media. Inorganic Chemistry, 2013, 52, 12576-12586.	4.0	142
65	Isolation and X-ray structures of four Rh(PCP) complexes including a Rh(I) dioxygen complex with a short Oâ€"O bond. Polyhedron, 2013, 58, 106-114.	2.2	8
66	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
67	Kinetics and Thermodynamics of Small Molecule Binding to Pincer-PCP Rhodium(I) Complexes. Inorganic Chemistry, 2013, 52, 4160-4172.	4.0	18
68	Biomass-derived electrocatalytic composites for hydrogen evolution. Energy and Environmental Science, 2013, 6, 1818.	30.8	343
69	Frontiers, Opportunities, and Challenges in Biochemical and Chemical Catalysis of CO₂ Fixation. Chemical Reviews, 2013, 113, 6621-6658.	47.7	1,786
70	Hydroxy-substituted pyridine-like N-heterocycles: versatile ligands in organometallic catalysis. New Journal of Chemistry, 2013, 37, 1860.	2.8	36
71	Enabling light-driven water oxidation via a low-energy RuIVî€O intermediate. Physical Chemistry Chemical Physics, 2013, 15, 14058.	2.8	35
72	Functionalized cyclopentadienyl rhodium(iii) bipyridine complexes: synthesis, characterization, and catalytic application in hydrogenation of ketones. Dalton Transactions, 2013, 42, 9628.	3.3	18

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73	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
74	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
75	Nickel(ii) macrocycles: highly efficient electrocatalysts for the selective reduction of CO2 to CO. Energy and Environmental Science, 2012, 5, 9502.	30.8	180
76	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
77	Thermodynamic and Kinetic Hydricity of Ruthenium(II) Hydride Complexes. Journal of the American Chemical Society, 2012, 134, 15743-15757.	13.7	117
78	Exploring the intermediates of photochemical CO₂reduction: reaction of Re(dmb)(CO)₃ COOH with CO₂. Chemical Communications, 2012, 48, 6797-6799.	4.1	34
79	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
80	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
81	Mechanisms for CO Production from CO₂ Using Reduced Rhenium Tricarbonyl Catalysts. Journal of the American Chemical Society, 2012, 134, 5180-5186.	13.7	213
82	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
83	Steric effect for proton, hydrogen-atom, and hydride transfer reactions with geometric isomers of NADHâ€“model ruthenium complexes. Faraday Discussions, 2012, 155, 129-144.	3.2	12
84	Water Oxidation by a Mononuclear Ruthenium Catalyst: Characterization of the Intermediates. Journal of the American Chemical Society, 2011, 133, 14649-14665.	13.7	180
85	Proton management as a design principle for hydrogenase-inspired catalysts. Energy and Environmental Science, 2011, 4, 3008.	30.8	50
86	Substituents dependent capability of bis(ruthenium-dioxolene-terpyridine) complexes toward water oxidation. Dalton Transactions, 2011, 40, 2225-2233.	3.3	36
87	Theoretical studies of the mechanism of catalytic hydrogen production by a cobaloxime. Chemical Communications, 2011, 47, 12456.	4.1	213
88	Editorial: A Current Perspective on Photocatalysis. ChemSusChem, 2011, 4, 155-157.	6.8	4
89	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
90	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

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91	Artificial Photosynthesis. ACS Symposium Series, 2010, , 283-312.	0.5	2
92	Ruthenium complexes with non-innocent ligands: Electron distribution and implications for catalysis. Coordination Chemistry Reviews, 2010, 254, 309-330.	18.8	163
93	Toward more efficient photochemical CO2 reduction: Use of scCO2 or photogenerated hydrides. Coordination Chemistry Reviews, 2010, 254, 2472-2482.	18.8	162
94	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
95	Oxidation State Characterization of Ruthenium 2â^'Iminoquinone Complexes through Experimental and Theoretical Studies. Inorganic Chemistry, 2010, 49, 860-869.	4.0	21
96	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
97	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
98	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
99	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
100	Molecular Approaches to the Photocatalytic Reduction of Carbon Dioxide for Solar Fuels. Accounts of Chemical Research, 2009, 42, 1983-1994.	15.6	1,129
101	Photochemical Stereospecific Hydrogenation of a Ru Complex with an NAD⁺/NADH-Type Ligand. Inorganic Chemistry, 2009, 48, 11510-11512.	4.0	45
102	Characterization of Redox States of Ru(OH₂)(Q)(tpy)²⁺ (Q =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (3 Experimental and Theoretical Studies. Inorganic Chemistry, 2009, 48, 4372-4383.	4.0	73
103	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
104	Experimental and Computational Studies of Binding of Dinitrogen, Nitriles, Azides, Diazoalkanes, Pyridine, and Pyrazines to M(PR3)2(CO)3 (M = Mo, W; R = Me, iPr).. Inorganic Chemistry, 2009, 48, 7891-7904.	4.0	13
105	Selective decarbonylation by a pincer PCP-rhodium(I) complex. Inorganica Chimica Acta, 2008, 361, 3327-3331.	2.4	23
106	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
107	Water Oxidation by a Ruthenium Complex with Noninnocent Quinone Ligands: Possible Formation of an Oâ^'O Bond at a Low Oxidation State of the Metal. Inorganic Chemistry, 2008, 47, 1787-1802.	4.0	200
108	Catalytic Reactions Using Transition-Metal-Complexes Toward Solar Fuel Generation. Bulletin of Japan Society of Coordination Chemistry, 2008, 51, 41-54.	0.2	7

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109	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
110	Theoretical Investigation of the Binding of Small Molecules and the Intramolecular Agostic Interaction at Tungsten Centers with Carbonyl and Phosphine Ligandsâ€. Journal of Physical Chemistry B, 2007, 111, 6815-6821.	2.6	11
111	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
112	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
113	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
114	Characterization of transient species and products in photochemical reactions of Re(dmb) (CO)3 Et with and without CO2. Research on Chemical Intermediates, 2007, 33, 27-36.	2.7	13
115	Direct Measurements of Rate Constants and Activation Volumes for the Binding of H2, D2, N2, C2H4, and CH3CN to W(CO)3(PCy3)2:Â Theoretical and Experimental Studies with Time-Resolved Step-Scan FTIR and UVâˆ'Vis Spectroscopy. Journal of the American Chemical Society, 2006, 128, 15728-15741.	13.7	13
116	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
117	Kinetic studies of the photoinduced formation of transition metalâ€"dinitrogen complexes using time-resolved infrared and UVâ€"vis spectroscopy. Coordination Chemistry Reviews, 2006, 250, 1681-1695.	18.8	15
118	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
119	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
120	Spectroscopic Characterization of Intermediates in CO2 Reduction with Rhenium Photocatalysts. Studies in Surface Science and Catalysis, 2004, , 271-276.	1.5	5
121	Why Is Reâˆ'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
122	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
123	Reduction of Cobalt and Iron Corroles and Catalyzed Reduction of CO2. Journal of Physical Chemistry A, 2002, 106, 4772-4778.	2.5	207
124	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
125	Catalysis Research of Relevance to Carbon Management:â€‰ Progress, Challenges, and Opportunities. Chemical Reviews, 2001, 101, 953-996.	47.7	1,311
126	Characterization of Ru(bpy)2(CO)(COO) prepared by CO2 addition to Ru(bpy)2(CO) in acetonitrile. Applied Organometallic Chemistry, 2000, 14, 844-846.	3.5	18

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127	Crystallization and structure of a binuclear species containing the Coî—¸C(OH)î—¸Oî—¸Co moiety. Inorganica Chimica Acta, 2000, 297, 139-144.	2.4	11
128	Characterization of Ru(bpy)2(CO)(COO) prepared by CO2 addition to Ru(bpy)2(CO) in acetonitrile. Applied Organometallic Chemistry, 2000, 14, 844-846.	3.5	1
129	Photochemical carbon dioxide reduction with metal complexes. Coordination Chemistry Reviews, 1999, 185-186, 373-384.	18.8	261
130	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
131	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
132	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
133	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
134	Cobalt Porphyrin Catalyzed Reduction of CO2. Radiation Chemical, Photochemical, and Electrochemical Studies. Journal of Physical Chemistry A, 1998, 102, 2870-2877.	2.5	229
135	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
136	Toward the Photoreduction of CO₂ with Ni(2,2â€²-bipyridine)<i>_n</i>²⁺ Complexes. Advances in Chemistry Series, 1998, , 279-292.	0.6	4
137	Photochemical carbon dioxide reduction with metal complexes: Differences between cobalt and nickel macrocycles. Studies in Surface Science and Catalysis, 1998, , 97-106.	1.5	1
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