Clifford P Kubiak

List of Publications by Year
in descending order

124 papers	12,711 citations	28274 55 h-index	23533 111 g-index
126 all docs	126 docs citations	126 times ranked	10417 citing authors

#	Article	IF	Citations
1	Electrocatalytic and homogeneous approaches to conversion of CO₂to liquid fuels. Chemical Society Reviews, 2009, 38, 89-99.	38.1	1,783
2	Photochemical and Photoelectrochemical Reduction of CO₂. Annual Review of Physical Chemistry, 2012, 63, 541-569.	10.8	960
3	Fe-Porphyrin-Based Metalâ€“Organic Framework Films as High-Surface Concentration, Heterogeneous Catalysts for Electrochemical Reduction of CO₂. ACS Catalysis, 2015, 5, 6302-6309.	11.2	639
4	Conductance spectra of molecular wires. Journal of Chemical Physics, 1998, 109, 2874-2882.	3.0	553
5	Re(bipy-tBu)(CO)₃Clâˆ’improved Catalytic Activity for Reduction of Carbon Dioxide: IR-Spectroelectrochemical and Mechanistic Studies. Inorganic Chemistry, 2010, 49, 9283-9289.	4.0	490
6	Manganese Catalysts with Bulky Bipyridine Ligands for the Electrocatalytic Reduction of Carbon Dioxide: Eliminating Dimerization and Altering Catalysis. Journal of the American Chemical Society, 2014, 136, 5460-5471.	13.7	394
7	Manganese as a Substitute for Rhenium in CO₂ Reduction Catalysts: The Importance of Acids. Inorganic Chemistry, 2013, 52, 2484-2491.	4.0	359
8	Photocatalytic CO₂Reduction to Formate Using a Mn(I) Molecular Catalyst in a Robust Metalâ€“Organic Framework. Inorganic Chemistry, 2015, 54, 6821-6828.	4.0	293
9	Homogeneous CO₂ Reduction by Ni(cyclam) at a Glassy Carbon Electrode. Inorganic Chemistry, 2012, 51, 3932-3934.	4.0	280
10	Mechanistic Contrasts between Manganese and Rhenium Bipyridine Electrocatalysts for the Reduction of Carbon Dioxide. Journal of the American Chemical Society, 2014, 136, 16285-16298.	13.7	269
11	Manganese Electrocatalysts with Bulky Bipyridine Ligands: Utilizing Lewis Acids To Promote Carbon Dioxide Reduction at Low Overpotentials. Journal of the American Chemical Society, 2016, 138, 1386-1393.	13.7	247
12	Elucidation of the Selectivity of Proton-Dependent Electrocatalytic CO₂ Reduction by <i>fac</i>-Re(bpy)(CO)₃Cl. Journal of the American Chemical Society, 2013, 135, 15823-15829.	13.7	238
13	Effects of Rapid Intramolecular Electron Transfer on Vibrational Spectra. Science, 1997, 277, 660-663.	12.6	204
14	Electron Transfer on the Infrared Vibrational Time Scale in the Mixed Valence State of 1,4-Pyrazine- and 4,4â€²-Bipyridine-Bridged Ruthenium Cluster Complexes. Journal of the American Chemical Society, 1999, 121, 4625-4632.	13.7	204
15	The Homogeneous Reduction of CO₂ by [Ni(cyclam)]⁺: Increased Catalytic Rates with the Addition of a CO Scavenger. Journal of the American Chemical Society, 2015, 137, 3565-3573.	13.7	200
16	Developing a Mechanistic Understanding of Molecular Electrocatalysts for CO₂ Reduction using Infrared Spectroelectrochemistry. Organometallics, 2014, 33, 4550-4559.	2.3	186
17	Kinetic and structural studies, origins of selectivity, and interfacial charge transfer in the artificial photosynthesis of CO. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15646-15650.	7.1	181
18	Hydricity of Transition-Metal Hydrides: Thermodynamic Considerations for CO₂ Reduction. ACS Catalysis, 2018, 8, 1313-1324.	11.2	171

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19	Photoreduction of CO₂ on p-type Silicon Using Re(bipy-Bu^{<i>t</i>})(CO)₃Cl: Photovoltages Exceeding 600 mV for the Selective Reduction of CO₂ to CO. Journal of Physical Chemistry C, 2010, 114, 14220-14223.	3.1	164
20	Kinetic and Mechanistic Effects of Bipyridine (bpy) Substituent, Labile Ligand, and BrÃ¸nsted Acid on Electrocatalytic CO₂ Reduction by Re(bpy) Complexes. ACS Catalysis, 2018, 8, 2021-2029.	11.2	155
21	Structural investigations into the deactivation pathway of the CO2 reduction electrocatalyst Re(bpy)(CO)3Cl. Chemical Communications, 2012, 48, 7374.	4.1	136
22	Direct observation of the reduction of carbon dioxide by rhenium bipyridine catalysts. Energy and Environmental Science, 2013, 6, 3748.	30.8	130
23	A Molecular Ruthenium Electrocatalyst for the Reduction of Carbon Dioxide to CO and Formate. Journal of the American Chemical Society, 2015, 137, 8564-8571.	13.7	129
24	Supramolecular Assembly Promotes the Electrocatalytic Reduction of Carbon Dioxide by Re(I) Bipyridine Catalysts at a Lower Overpotential. Journal of the American Chemical Society, 2014, 136, 14598-14607.	13.7	128
25	The Electronic States of Rhenium Bipyridyl Electrocatalysts for CO₂ Reduction as Revealed by Xâ€ray Absorption Spectroscopy and Computational Quantum Chemistry. Angewandte Chemie - International Edition, 2013, 52, 4841-4844.	13.8	119
26	Paired Electrolysis in the Simultaneous Production of Synthetic Intermediates and Substrates. Journal of the American Chemical Society, 2016, 138, 15110-15113.	13.7	116
27	Dinuclear Nickel Complexes as Catalysts for Electrochemical Reduction of Carbon Dioxide. Organometallics, 2005, 24, 96-102.	2.3	112
28	Adsorption of Diisocyanides on Gold. Langmuir, 2000, 16, 6183-6187.	3.5	107
29	Electrocatalytic Oxidation of Formate by [Ni(P^R₂N^{Râ€²}₂)₂(CH₃CN)]²⁺ Complexes. Journal of the American Chemical Society, 2011, 133, 12767-12779.	13.7	107
30	CO₂ Reduction Catalysts on Gold Electrode Surfaces Influenced by Large Electric Fields. Journal of the American Chemical Society, 2018, 140, 17643-17655.	13.7	103
31	Facile Solvent-Free Synthesis of Thin Iron Porphyrin COFs on Carbon Cloth Electrodes for CO₂ Reduction. Chemistry of Materials, 2019, 31, 1908-1919.	6.7	103
32	Electrocatalytic CO₂ reduction by M(bpy-R)(CO)₄ (M = Mo, W; R = H, tBu) complexes. Electrochemical, spectroscopic, and computational studies and comparison with group 7 catalysts. Chemical Science, 2014, 5, 1894-1900.	7.4	100
33	Photocatalytic Reduction of Carbon Dioxide to CO and HCO₂H Using <i>fac</i>-Mn(CN)(bpy)(CO)₃. Inorganic Chemistry, 2016, 55, 3192-3198.	4.0	100
34	Dodecaboraneâ€Based Dopants Designed to Shield Anion Electrostatics Lead to Increased Carrier Mobility in a Doped Conjugated Polymer. Advanced Materials, 2019, 31, e1805647.	21.0	90
35	Improving Photocatalysis for the Reduction of CO₂ through Non-covalent Supramolecular Assembly. Journal of the American Chemical Society, 2019, 141, 14961-14965.	13.7	89
36	Synthesis and Structural Studies of Nickel(0) Tetracarbene Complexes with the Introduction of a New Four-Coordinate Geometric Index, Ï„_{Î´}. Inorganic Chemistry, 2015, 54, 3211-3217.	4.0	88

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37	A versatile variable temperature thin layer reflectance spectroelectrochemical cell. Journal of Electroanalytical Chemistry, 2001, 495, 106-109.	3.8	82
38	Mixed Valence Isomers. Journal of the American Chemical Society, 2005, 127, 2382-2383.	13.7	81
39	Concerted One-Electron Two-Proton Transfer Processes in Models Inspired by the Tyr-His Couple of Photosystem II. ACS Central Science, 2017, 3, 372-380.	11.3	80
40	Re(I) NHC Complexes for Electrocatalytic Conversion of CO₂. Inorganic Chemistry, 2016, 55, 3136-3144.	4.0	77
41	Interfacial Structure and Electric Field Probed by <i>in Situ</i> Electrochemical Vibrational Stark Effect Spectroscopy and Computational Modeling. Journal of Physical Chemistry C, 2017, 121, 18674-18682.	3.1	77
42	Electron Transfer and Dynamic Infrared-Band Coalescence: It Looks Like Dynamic NMR Spectroscopy, but a Billion Times Faster. Chemistry - A European Journal, 2003, 9, 5962-5969.	3.3	76
43	Recent Studies of Rhenium and Manganese Bipyridine Carbonyl Catalysts for the Electrochemical Reduction of CO2. Advances in Inorganic Chemistry, 2014, 66, 163-188.	1.0	72
44	Electrocatalytic Reduction of Carbon Dioxide by Mn(CN)(2,2â€²-bipyridine)(CO)₃: CN Coordination Alters Mechanism. Inorganic Chemistry, 2015, 54, 8849-8856.	4.0	72
45	Synthesis, Spectroscopy, and Electrochemistry of (Î±-Diimine)M(CO)₃Br, M = Mn, Re, Complexes: Ligands Isoelectronic to Bipyridyl Show Differences in CO₂ Reduction. Organometallics, 2015, 34, 3-12.	2.3	72
46	Inorganic Electron Transfer: Sharpening a Fuzzy Border in Mixed Valency and Extending Mixed Valency across Supramolecular Systems. Inorganic Chemistry, 2013, 52, 5663-5676.	4.0	71
47	Electrocatalytic Dihydrogen Production by an Earth-Abundant Manganese Bipyridine Catalyst. Inorganic Chemistry, 2015, 54, 6674-6676.	4.0	64
48	Re(tBu-bpy)(CO)₃Cl Supported on Multi-Walled Carbon Nanotubes Selectively Reduces CO₂ in Water. Journal of the American Chemical Society, 2019, 141, 17270-17277.	13.7	64
49	Persistence of the Three-State Description of Mixed Valency at the Localized-to-Delocalized Transition. Journal of the American Chemical Society, 2011, 133, 8721-8731.	13.7	59
50	Improving the Efficiency and Activity of Electrocatalysts for the Reduction of CO₂ through Supramolecular Assembly with Amino Acid-Modified Ligands. Journal of the American Chemical Society, 2016, 138, 8184-8193.	13.7	59
51	Formate oxidation via Î²-deprotonation in [Ni(PR2NRâ€²2)2(CH3CN)]2+ complexes. Energy and Environmental Science, 2012, 5, 6480.	30.8	58
52	Structural and spectroscopic studies of reduced [Re(bpy-R)(CO)3]âˆ’1 species relevant to CO2 reduction. Polyhedron, 2013, 58, 229-234.	2.2	58
53	A Strongly Coupled Mixed Valence State Between Ru3Clusters. Intramolecular Electron Transfer on the Infrared Vibrational Time Scale in a Pyrazine (pz) Bridged Dimer of Triruthenium Clusters, [{Ru3(Î¼3-O)(Î¼-CH3CO2)6(CO)(abco)}2(Î¼-pz)]âˆ’ (abco = 1-azabicyclo[2,2,2]octane). Bulletin of the Chemical Society of Japan, 2000, 73, 1205-1212.	3.2	56
54	Solvent Dynamical Control of Ultrafast Ground State Electron Transfer:â€‰ Implications for Class IIâˆ’III Mixed Valency. Journal of the American Chemical Society, 2007, 129, 12772-12779.	13.7	56

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55	Electro and photoelectrochemical reduction of carbon dioxide on multimetallic porphyrins/polyoxotungstate modified electrodes. Electrochimica Acta, 2014, 115, 146-154.	5.2	56
56	Incorporation of Pendant Bases into Rh(diphosphine)₂ Complexes: Synthesis, Thermodynamic Studies, And Catalytic CO₂ Hydrogenation Activity of [Rh(P₂N₂)₂]⁺ Complexes. Journal of the American Chemical Society, 2015, 137, 8251-8260.	13.7	55
57	Vibronic Participation of the Bridging Ligand in Electron Transfer and Delocalization:Â New Application of a Three-State Model in Pyrazine-Bridged Mixed-Valence Complexes of Trinuclear Ruthenium Clusters. Journal of Physical Chemistry A, 2003, 107, 9301-9311.	2.5	53
58	Heterogenized Molecular Catalysts: Vibrational Sum-Frequency Spectroscopic, Electrochemical, and Theoretical Investigations. Accounts of Chemical Research, 2019, 52, 1289-1300.	15.6	53
59	Syntheses and Properties of a Series of Oxo-Centered Triruthenium Complexes and Their Bridged Dimers with Isocyanide Ligands at Terminal and Bridging Positions. Inorganic Chemistry, 1999, 38, 4070-4078.	4.0	52
60	Symmetry-Breaking Charge Transfer in Boron Dipyridylmethene (DIPYR) Dimers. ACS Applied Energy Materials, 2018, 1, 1083-1095.	5.1	52
61	Infrared Activity of Symmetric Bridging Ligand Modes in Pyrazine-Bridged Hexaruthenium Mixed-Valence Clusters. Inorganic Chemistry, 2003, 42, 926-928.	4.0	51
62	Tuning the Electronic Communication and Rates of Intramolecular Electron Transfer of Dimers of Trinuclear Ruthenium Clusters:Â Bridging and Ancillary Ligand Effects. Inorganic Chemistry, 2006, 45, 547-554.	4.0	49
63	Transition Metal Hydride Catalysts for Sustainable Interconversion of CO₂ and Formate: Thermodynamic and Mechanistic Considerations. ACS Sustainable Chemistry and Engineering, 2018, 6, 6841-6848.	6.7	49
64	Diffusion-Ordered NMR Spectroscopy as a Reliable Alternative to TEM for Determining the Size of Gold Nanoparticles in Organic Solutions. Journal of Physical Chemistry C, 2011, 115, 7972-7978.	3.1	46
65	Orientation of Cyano-Substituted Bipyridine Re(I) <i>fac</i>-Tricarbonyl Electrocatalysts Bound to Conducting Au Surfaces. Journal of Physical Chemistry C, 2016, 120, 1657-1665.	3.1	46
66	Rapid synthesis of redox-active dodecaborane B₁₂(OR)₁₂clusters under ambient conditions. Inorganic Chemistry Frontiers, 2016, 3, 711-717.	6.0	44
67	Electrode-Ligand Interactions Dramatically Enhance CO₂ Conversion to CO by the [Ni(cyclam)](PF₆)₂ Catalyst. ACS Catalysis, 2017, 7, 5282-5288.	11.2	43
68	Short-Range Catalystâ€"Surface Interactions Revealed by Heterodyne Two-Dimensional Sum Frequency Generation Spectroscopy. Journal of Physical Chemistry Letters, 2015, 6, 4204-4209.	4.6	42
69	Mixed Valency across Hydrogen Bonds. Journal of the American Chemical Society, 2010, 132, 17390-17392.	13.7	41
70	Electrocatalytic reduction of carbon dioxide with Mn(terpyridine) carbonyl complexes. Dalton Transactions, 2016, 45, 17179-17186.	3.3	40
71	Covalent attachment of [Ni(alkynyl-cyclam)]²⁺ catalysts to glassy carbon electrodes. Chemical Communications, 2018, 54, 4116-4119.	4.1	40
72	Kinetics and Limiting Current Densities of Homogeneous and Heterogeneous Electrocatalysts. Journal of Physical Chemistry Letters, 2011, 2, 2372-2379.	4.6	38

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73	Mixed Valency at the Nearly Delocalized Limit: Fundamentals and Forecast. European Journal of Inorganic Chemistry, 2009, 2009, 585-594.	2.0	37
74	Reductive Disproportionation of Carbon Dioxide by an Alkyl-Functionalized Pyridine Monoimine Re(I) <i>fac</i>-Tricarbonyl Electrocatalyst. Organometallics, 2015, 34, 4678-4683.	2.3	37
75	On the Observation of Intervalence Charge Transfer Bands in Hydrogen-Bonded Mixed-Valence Complexes. Journal of the American Chemical Society, 2014, 136, 1710-1713.	13.7	35
76	Intervalence Involvement of Bridging Ligand Vibrations in Hexaruthenium Mixed-Valence Clusters Probed by Resonance Raman Spectroscopy. Journal of the American Chemical Society, 2003, 125, 13912-13913.	13.7	34
77	Electrochemical Properties and CO₂-Reduction Ability of <i>m</i>-Terphenyl Isocyanide Supported Manganese Tricarbonyl Complexes. Inorganic Chemistry, 2016, 55, 12400-12408.	4.0	32
78	Utilization of Thermodynamic Scaling Relationships in Hydricity To Develop Nickel Hydrogen Evolution Reaction Electrocatalysts with Weak Acids and Low Overpotentials. ACS Catalysis, 2018, 8, 9596-9603.	11.2	31
79	Charged Macromolecular Rhenium Bipyridine Catalysts with Tunable CO 2 Reduction Potentials. Chemistry - A European Journal, 2017, 23, 8619-8622.	3.3	30
80	Electronic Structural Effects in Self-Exchange Reactions. Journal of Physical Chemistry B, 2010, 114, 14729-14734.	2.6	29
81	Characterizing interstate vibrational coherent dynamics of surface adsorbed catalysts by fourth-order 3D SFG spectroscopy. Chemical Physics Letters, 2016, 650, 1-6.	2.6	28
82	[Ni3(Î¼3-CNMe)(Î¼3-I)(CNMe)2(Ph2PCH2PPh2)2]I, atriangulo Nickel Cluster with an Unprecedented Symmetric LinearÎ¼3-Î·1 Isocyanide Ligand. Angewandte Chemie International Edition in English, 1990, 29, 395-396.	4.4	27
83	Covalent Attachment of Nickel Clusters to Gold Electrode Surfaces. Formation of Rectifying Molecular Layers. Langmuir, 1996, 12, 3075-3081.	3.5	27
84	Selective Reduction of CO₂ to CO by a Molecular Re(ethynyl-bpy)(CO)₃Cl Catalyst and Attachment to Carbon Electrode Surfaces. Organometallics, 2019, 38, 1204-1207.	2.3	27
85	The spectroelectrochemical behaviour of redox-active manganese salen complexes. Dalton Transactions, 2019, 48, 3704-3713.	3.3	25
86	Vibrational Stark shift spectroscopy of catalysts under the influence of electric fields at electrodeâ€“solution interfaces. Chemical Science, 2021, 12, 10131-10149.	7.4	25
87	Photochemistry of Nitrosyl Metalloporphyrins:â€‰Mechanisms of the Photoinduced Release and Recombination of NO. Journal of Physical Chemistry B, 1998, 102, 7287-7292.	2.6	24
88	Chelated [Zn(cyclam)]²⁺Lewis acid improves the reactivity of the electrochemical reduction of CO₂by Mn catalysts with bulky bipyridine ligands. Dalton Transactions, 2017, 46, 12413-12416.	3.3	24
89	Rates of Electron Self-Exchange Reactions between Oxo-Centered Ruthenium Clusters Are Determined by Orbital Overlap. Inorganic Chemistry, 2009, 48, 4763-4767.	4.0	22
90	Stable Mixed-Valent Complexes Formed by Electron Delocalization Across Hydrogen Bonds of Pyrimidinone-Linked Metal Clusters. Journal of the American Chemical Society, 2018, 140, 12756-12759.	13.7	22

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91	Electrochemical Reduction of CO2 Using Group VII Metal Catalysts. Trends in Chemistry, 2021, 3, 176-187.	8.5	22
92	Versatile Synthesis of P^R₂N^{Râ€²}₂ Ligands for Molecular Electrocatalysts with Pendant Bases in the Second Coordination Sphere. Organometallics, 2012, 31, 779-782.	2.3	21
93	A Trihydroxy Tin Group That Resists Oligomerization in the Trinuclear Nickel Cluster [Ni3(Î¼-P,Pâ€²-PPh2CH2PPh2)3(Î¼3-L)- (Î¼3-Sn(OH)3)]. Angewandte Chemie - International Edition, 2005, 44, 1125-1128.	13.8	19
94	An Anionic Zerovalent Nickel Carbonyl Complex Supported by a Triphosphine Borate Ligand:â€‰ An Niâˆ'Câ‹®Oâˆ'Li Isocarbonyl. Organometallics, 2005, 24, 231-233.	2.3	19
95	[Ir2(?-CH2)(CO)4 Me2PCH2P(Me2)2][CF3SO3]2, an Unprecedented Electrophilic Methylene Complex; H? Addition to Prepare a Bridging Methyl Complex. Angewandte Chemie International Edition in English, 1989, 28, 1377-1379.	4.4	18
96	Approaches to the Chemical, Electrochemical, and Photochemical Activation of Carbon Dioxide by Transition Metal Complexes. Israel Journal of Chemistry, 1991, 31, 3-15.	2.3	18
97	Interrogating heterobimetallic co-catalytic responses for the electrocatalytic reduction of CO2 using supramolecular assembly. Dalton Transactions, 2016, 45, 15942-15950.	3.3	18
98	Electroactive Co(<scp>iii</scp>) salen metal complexes and the electrophoretic deposition of their porous organic polymers onto glassy carbon. RSC Advances, 2018, 8, 24128-24142.	3.6	18
99	Design of a High Throughput 25â€Well Parallel Electrolyzer for the Accelerated Discovery of CO₂ Reduction Catalysts via a Combinatorial Approach. Electroanalysis, 2011, 23, 2335-2342.	2.9	17
100	Synthesis and Characterization of Heteroleptic Ni(II) Bipyridine Complexes Bearing Bis(N-heterocyclic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.3	17
101	[{Ni2(Î¼-CNMe)(CNMe)4(Ph2PCH2PPh2)}2Hg]-[NiCl4], a Spirocyclic Ni4Hg Cluster with an HgII-Center. Angewandte Chemie International Edition in English, 1990, 29, 396-397.	4.4	16
102	Effects of electron transfer on the stability of hydrogen bonds. Chemical Science, 2017, 8, 7324-7329.	7.4	16
103	A Series of Dinuclear Copper Complexes Bridged by Phosphanylbipyridine Ligands: Synthesis, Structural Characterization and Electrochemistry. European Journal of Inorganic Chemistry, 2013, 2013, 4016-4023.	2.0	15
104	[{Ni₂(Î¼â€CNMe)(CNMe)₄â€(Ph₂PCH₂PPh₂)}₂Hg][NiC ein spirocyclischer Ni₄Hgâ€Cluster mit einem Hg^{II}â€Zentrum. Angewandte Chemie, 1990, 102, 407-408.	2.0	13
105	In Search of the Elusive Open-Faced Triangulo Nickel Cluster:Â Insertion of Thallium(I) into a Î¼3-I Capping Ligand. Organometallics, 2002, 21, 3831-3832.	2.3	13
106	Thermodynamic targeting of electrocatalytic CO₂ reduction: advantages, limitations, and insights for catalyst design. Dalton Transactions, 2019, 48, 15841-15848.	3.3	13
107	Direct observation of the intermediate in an ultrafast isomerization. Chemical Science, 2019, 10, 113-117.	7.4	12
108	Synthesis and Structures of the Î¼-Vinylidene Binuclear Nickel Complexes [Ni2(Î¼-CCH2)(dmpm)2Cl2] and [Ni2(Î¼-CCH2)(dppm)2Br2]:Â Comparison of the Electronic Structures of Nickel A-Frames. Organometallics, 1996, 15, 1690-1696.	2.3	11

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109	Intramolecular electron transfer on the vibrational timescale and rate constants estimated by IR absorption band shape analysis. Macromolecular Symposia, 2000, 156, 269-276.	0.7	11
110	Hydrophobic Nanoparticles Reduce the Î²-Sheet Content of SEVI Amyloid Fibrils and Inhibit SEVI-Enhanced HIV Infectivity. Langmuir, 2017, 33, 2596-2602.	3.5	11
111	Electron-Transfer Reactions of Electronically Excited Zinc Tetraphenylporphyrin with Multinuclear Ruthenium Complexes. Journal of Physical Chemistry B, 2015, 119, 7473-7479.	2.6	10
112	Tuning Electron Delocalization and Transfer Rates in Mixed-Valent Ru₃O Complexes through â€œPushâ€“Pullâ€• Effects. Journal of Physical Chemistry A, 2016, 120, 6309-6316.	2.5	10
113	[Ni₃(Î¼₃â€CNMe)(Î¼₃â€I)(CNMe)₂(Ph₂PCH₂PPh<sub> I, ein <i>triangulo</i>â€Nickelcluster mit einem neuartig symmetrisch gebundenen linearen Î¼₃â€Î·¹â€Isocyanidâ€Liganden. Angewandte Chemie, 1990, 102, 405-407.	2.0	7
114	Photooxidative Generation of Dodecaborate-Based Weakly Coordinating Anions. Inorganic Chemistry, 2019, 58, 10516-10526.	4.0	7
115	Electronic Structural Studies of the Ru₃(III,II,II) Mixed-Valent State of Oxo-Centered Triruthenium Clusters. Inorganic Chemistry, 2020, 59, 10532-10539.	4.0	7
116	Electron Dynamics and IR Peak Coalescence in Bridged Mixed Valence Dimers Studied by Ultrafast 2D-IR Spectroscopy. Journal of Physical Chemistry B, 2015, 119, 10738-10749.	2.6	6
117	Investigation of Immobilization Effects on Ni(P₂N₂)₂ Electrocatalysts. Inorganic Chemistry, 2020, 59, 16872-16881.	4.0	6
118	A Trihydroxy Tin Group That Resists Oligomerization in the Trinuclear Nickel Cluster [Ni3(Î¼-P,Pâ€²-PPh2CH2PPh2)3(Î¼3-L)- (Î¼3-Sn(OH)3)]. Angewandte Chemie, 2005, 117, 1149-1152.	2.0	5
119	Steric and electronic control of an ultrafast isomerization. Chemical Science, 2019, 10, 7907-7912.	7.4	3
120	PHOTOCHEMISTRY OF trans-[Rh(BIS(DIPHENYLPHOSPHINO)ETHANE)2X2][PF6]: TRANSIENT ABSORBANCE KINETIC STUDIES OF METAL-HALOGEN BOND HOMOLYSIS. Photochemistry and Photobiology, 1992, 55, 479-482.	2.5	1
121	Patterned Imaging of Palladium and Platinum Films. Advances in Chemistry Series, 1993, , 165-184.	0.6	1
122	SYNTHESIS AND CRYSTAL STRUCTURE OF<i>TRANS</i>-1,4-BIS(DIPHENYLPHOSPHINO)-1,3-BUTADIENE. Phosphorus, Sulfur and Silicon and the Related Elements, 1996, 119, 113-120.	1.6	1
123	Full Conformational Analyses of the Ultrafast Isomerization in Penta-coordinated Ru(S2C2(CF3)2)(CO)(PPh3)2: One Compound, Two Crystal Structures, Three CO Frequencies, 24 Stereoisomers, and 48 Transition States. Inorganic Chemistry, 2020, 59, 11757-11769.	4.0	1
124	The electrochemical reduction of a flexible Mn(ii) salen-based metalâ€“organic framework. Dalton Transactions, 2021, 50, 12821-12825.	3.3	0