List of Publications by Year in descending order

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ΙλμεςÂΜ Μανερ

#	Article	IF	CITATIONS
1	Thermochemistry of Proton-Coupled Electron Transfer Reagents and its Implications. Chemical Reviews, 2010, 110, 6961-7001.	47.7	1,373
2	PROTON-COUPLED ELECTRON TRANSFER: A Reaction Chemist's View. Annual Review of Physical Chemistry, 2004, 55, 363-390.	10.8	738
3	Understanding Hydrogen Atom Transfer: From Bond Strengths to Marcus Theory. Accounts of Chemical Research, 2011, 44, 36-46.	15.6	696
4	Hydrogen Atom Abstraction by Metalâ^'Oxo Complexes:  Understanding the Analogy with Organic Radical Reactions. Accounts of Chemical Research, 1998, 31, 441-450.	15.6	514
5	Oxygen Reduction by Homogeneous Molecular Catalysts and Electrocatalysts. Chemical Reviews, 2018, 118, 2340-2391.	47.7	483
6	Titanium and Zinc Oxide Nanoparticles Are Proton-Coupled Electron Transfer Agents. Science, 2012, 336, 1298-1301.	12.6	339
7	Proton-Coupled Electron Transfer versus Hydrogen Atom Transfer in Benzyl/Toluene, Methoxyl/Methanol, and Phenoxyl/Phenol Self-Exchange Reactions. Journal of the American Chemical Society, 2002, 124, 11142-11147.	13.7	330
8	Concerted Protonâ^'Electron Transfer in the Oxidation of Hydrogen-Bonded Phenols. Journal of the American Chemical Society, 2006, 128, 6075-6088.	13.7	238
9	Electrocatalytic Oxygen Reduction by Iron Tetra-arylporphyrins Bearing Pendant Proton Relays. Journal of the American Chemical Society, 2012, 134, 5444-5447.	13.7	215
10	A Continuum of Proton-Coupled Electron Transfer Reactivity. Accounts of Chemical Research, 2018, 51, 2391-2399.	15.6	196
11	Standard Reduction Potentials for Oxygen and Carbon Dioxide Couples in Acetonitrile and <i>N</i> , <i>N</i>).	4.0	189
12	Thermodynamics and kinetics of proton-coupled electron transfer: stepwise vs. concerted pathways. Biochimica Et Biophysica Acta - Bioenergetics, 2004, 1655, 51-58.	1.0	186
13	Hydrogen Atom Abstraction by Permanganate:  Oxidations of Arylalkanes in Organic Solvents. Inorganic Chemistry, 1997, 36, 2069-2078.	4.0	184
14	Oxidation of Câ^'H Bonds by [(bpy)2(py)RuIVO]2+Occurs by Hydrogen Atom Abstraction. Journal of the American Chemical Society, 2003, 125, 10351-10361.	13.7	183
15	Why Are There No Terminal Oxo Complexes of the Late Transition Metals? or The Importance of Metal–Ligand π Antibonding Interactions. Comments on Inorganic Chemistry, 1988, 8, 125-135.	5.2	180
16	Application of the Marcus Cross Relation to Hydrogen Atom Transfer Reactions. Science, 2001, 294, 2524-2526.	12.6	176
17	One-Electron Oxidation of a Hydrogen-Bonded Phenol Occurs by Concerted Proton-Coupled Electron Transfer. Journal of the American Chemical Society, 2004, 126, 12718-12719.	13.7	162
18	Homogenous Electrocatalytic Oxygen Reduction Rates Correlate with Reaction Overpotential in Acidic Organic Solutions. ACS Central Science, 2016, 2, 850-856.	11.3	150

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19	Free Energies of Proton-Coupled Electron Transfer Reagents and Their Applications. Chemical Reviews, 2022, 122, 1-49.	47.7	146
20	Intrinsic Barriers for Electron and Hydrogen Atom Transfer Reactions of Biomimetic Iron Complexes. Journal of the American Chemical Society, 2000, 122, 5486-5498.	13.7	136
21	The first crystal structure of a monomeric phenoxyl radical: 2,4,6-tri-tert-butylphenoxyl radical. Chemical Communications, 2008, , 256-258.	4.1	135
22	Large Ground-State Entropy Changes for Hydrogen Atom Transfer Reactions of Iron Complexes. Journal of the American Chemical Society, 2007, 129, 5153-5166.	13.7	134
23	Do spin state and spin density affect hydrogen atom transfer reactivity?. Chemical Science, 2014, 5, 21-31.	7.4	134
24	Probing concerted proton–electron transfer in phenol–imidazoles. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8185-8190.	7.1	120
25	Hydrocarbon Oxidation by Bis-μ-oxo Manganese Dimers: Electron Transfer, Hydride Transfer, and Hydrogen Atom Transfer Mechanisms. Journal of the American Chemical Society, 2002, 124, 10112-10123.	13.7	118
26	Controlling Carrier Densities in Photochemically Reduced Colloidal ZnO Nanocrystals: Size Dependence and Role of the Hole Quencher. Journal of the American Chemical Society, 2013, 135, 16569-16577.	13.7	117
27	Medium Effects Are as Important as Catalyst Design for Selectivity in Electrocatalytic Oxygen Reduction by Iron–Porphyrin Complexes. Journal of the American Chemical Society, 2015, 137, 4296-4299.	13.7	117
28	Cu K-Edge XAS Study of the [Cu2(μ-O)2] Core: Direct Experimental Evidence for the Presence of Cu(III). Journal of the American Chemical Society, 1997, 119, 8578-8579.	13.7	116
29	Evaluating the Thermodynamics of Electrocatalytic N ₂ Reduction in Acetonitrile. ACS Energy Letters, 2016, 1, 698-704.	17.4	115
30	Predicting organic hydrogen atom transfer rate constants using the Marcus cross relation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 5282-5287.	7.1	109
31	Distant protonated pyridine groups in water-soluble iron porphyrin electrocatalysts promote selective oxygen reduction to water. Chemical Communications, 2012, 48, 11100.	4.1	104
32	Concerted proton-electron transfer reactions in the Marcus inverted region. Science, 2019, 364, 471-475.	12.6	104
33	A Flexible Photoactive Titanium Metal–Organic Framework Based on a [Ti ^{IV} ₃ (μ ₃ â€O)(O) ₂ (COO) ₆] Cluster. Angewandte Chemie - International Edition, 2015, 54, 13912-13917.	13.8	103
34	Molecular Cobalt Catalysts for O ₂ Reduction: Low-Overpotential Production of H ₂ O ₂ and Comparison with Iron-Based Catalysts. Journal of the American Chemical Society, 2017, 139, 16458-16461.	13.7	101
35	Concerted Proton–Electron Transfer in Pyridylphenols: The Importance of the Hydrogen Bond. Angewandte Chemie - International Edition, 2008, 47, 738-740.	13.8	99
36	Mechanism of Catalytic O ₂ Reduction by Iron Tetraphenylporphyrin. Journal of the American Chemical Society, 2019, 141, 8315-8326.	13.7	99

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37	Direct Comparison of Electrochemical and Spectrochemical Kinetics for Catalytic Oxygen Reduction. Journal of the American Chemical Society, 2014, 136, 12544-12547.	13.7	98
38	Using combinations of oxidants and bases as PCET reactants: thermochemical and practical considerations. Energy and Environmental Science, 2012, 5, 7771.	30.8	97
39	New Layered Iron-Lanthanum-Oxide-Sulfide and -Selenide Phases: Fe2La2O3E2(E= S,Se). Angewandte Chemie International Edition in English, 1992, 31, 1645-1647.	4.4	91
40	Identifying and Breaking Scaling Relations in Molecular Catalysis of Electrochemical Reactions. Journal of the American Chemical Society, 2017, 139, 11000-11003.	13.7	89
41	Moving Protons and Electrons in Biomimetic Systems. Biochemistry, 2015, 54, 1863-1878.	2.5	88
42	Simple Marcus-Theory-Type Model for Hydrogen-Atom Transfer/Proton-Coupled Electron Transfer. Journal of Physical Chemistry Letters, 2011, 2, 1481-1489.	4.6	87
43	Kinetic Effects of Increased Proton Transfer Distance on Proton-Coupled Oxidations of Phenol-Amines. Journal of the American Chemical Society, 2011, 133, 17341-17352.	13.7	83
44	Trends in Ground-State Entropies for Transition Metal Based Hydrogen Atom Transfer Reactions. Journal of the American Chemical Society, 2009, 131, 4335-4345.	13.7	82
45	Multiple-Site Concerted Proton–Electron Transfer Reactions of Hydrogen-Bonded Phenols Are Nonadiabatic and Well Described by Semiclassical Marcus Theory. Journal of the American Chemical Society, 2012, 134, 16635-16645.	13.7	82
46	Determining Proton-Coupled Standard Potentials and X–H Bond Dissociation Free Energies in Nonaqueous Solvents Using Open-Circuit Potential Measurements. Journal of the American Chemical Society, 2020, 142, 10681-10691.	13.7	82
47	Nitroxyl Radical Plus Hydroxylamine Pseudo Self-Exchange Reactions: Tunneling in Hydrogen Atom Transfer. Journal of the American Chemical Society, 2009, 131, 11985-11997.	13.7	81
48	SmI ₂ (H ₂ O) _{<i>n</i>} Reduction of Electron Rich Enamines by Proton-Coupled Electron Transfer. Journal of the American Chemical Society, 2017, 139, 10687-10692.	13.7	80
49	Oxidations of NADH Analogues by cis-[RuIV(bpy)2(py)(O)]2+ Occur by Hydrogen-Atom Transfer Rather than by Hydride Transfer. Inorganic Chemistry, 2005, 44, 2150-2158.	4.0	78
50	Synthesis and Characterization of Ruthenium Bis(β-diketonato) Pyridine-Imidazole Complexes for Hydrogen Atom Transfer. Inorganic Chemistry, 2007, 46, 11190-11201.	4.0	78
51	Concerted Protonâ^'Electron Transfer in a Ruthenium Terpyridyl-Benzoate System with a Large Separation between the Redox and Basic Sites. Journal of the American Chemical Society, 2009, 131, 9874-9875.	13.7	75
52	Potential Economic Feasibility of Direct Electrochemical Nitrogen Reduction as a Route to Ammonia. ACS Sustainable Chemistry and Engineering, 2020, 8, 8938-8948.	6.7	75
53	Cumene Oxidation bycis-[RuIV(bpy)2(py)(O)]2+, Revisited. Inorganic Chemistry, 2004, 43, 1587-1592.	4.0	71
54	Chalcogen Atom Transfer to a Metal Nitrido. The First Transition Metal Selenonitrosyl Complex. Journal of the American Chemical Society, 1998, 120, 6607-6608.	13.7	70

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55	Models for Proton-coupled Electron Transfer in Photosystem II. Photosynthesis Research, 2006, 87, 3-20.	2.9	68
56	Slow Hydrogen Atom Transfer Reactions of Oxo- and Hydroxo-Vanadium Compounds: The Importance of Intrinsic Barriers. Journal of the American Chemical Society, 2009, 131, 4729-4743.	13.7	68
57	Surprisingly Long-Lived Ascorbyl Radicals in Acetonitrile: Concerted Protonâ^ Electron Transfer Reactions and Thermochemistry. Journal of the American Chemical Society, 2008, 130, 7546-7547.	13.7	66
58	Highly Active NiO Photocathodes for H ₂ O ₂ Production Enabled via Outer-Sphere Electron Transfer. Journal of the American Chemical Society, 2018, 140, 4079-4084.	13.7	66
59	Separating Proton and Electron Transfer Effects in Three-Component Concerted Proton-Coupled Electron Transfer Reactions. Journal of the American Chemical Society, 2017, 139, 10312-10319.	13.7	65
60	Developing Scaling Relationships for Molecular Electrocatalysis through Studies of Fe-Porphyrin-Catalyzed O ₂ Reduction. Accounts of Chemical Research, 2020, 53, 1056-1065.	15.6	65
61	Proton-Coupled Electron Transfer of Ruthenium(III)â^'Pterin Complexes: A Mechanistic Insight. Journal of the American Chemical Society, 2009, 131, 11615-11624.	13.7	64
62	Low Capping Group Surface Density on Zinc Oxide Nanocrystals. ACS Nano, 2014, 8, 9463-9470.	14.6	64
63	Oriented Electrostatic Effects on O ₂ and CO ₂ Reduction by a Polycationic Iron Porphyrin. Journal of the American Chemical Society, 2021, 143, 11423-11434.	13.7	64
64	Effect of Protons on the Redox Chemistry of Colloidal Zinc Oxide Nanocrystals. Journal of the American Chemical Society, 2013, 135, 8492-8495.	13.7	62
65	Dinitrogen Reduction to Ammonium at Rhenium Utilizing Light and Proton-Coupled Electron Transfer. Journal of the American Chemical Society, 2019, 141, 20198-20208.	13.7	62
66	Hydrogen Atom Transfer Reactions of a Ruthenium Imidazole Complex: Hydrogen Tunneling and the Applicability of the Marcus Cross Relation. Journal of the American Chemical Society, 2008, 130, 14745-14754.	13.7	60
67	Reactivity of the copper(<scp>iii</scp>)-hydroxide unit with phenols. Chemical Science, 2017, 8, 1075-1085.	7.4	60
68	A new strategy to efficiently cleave and form C–H bonds using proton-coupled electron transfer. Science Advances, 2018, 4, eaat5776.	10.3	58
69	Photocharging ZnO Nanocrystals: Picosecond Hole Capture, Electron Accumulation, and Auger Recombination. Journal of Physical Chemistry C, 2012, 116, 20633-20642.	3.1	57
70	Nitric Oxide Abstracts a Nitrogen Atom from an Osmium Nitrido Complex To Give Nitrous Oxide. Journal of the American Chemical Society, 2000, 122, 12391-12392.	13.7	54
71	Facile Concerted Protonâ^'Electron Transfers in a Ruthenium Terpyridine-4′-Carboxylate Complex with a Long Distance Between the Redox and Basic Sites. Journal of the American Chemical Society, 2008, 130, 7210-7211.	13.7	53
72	Acceleration of CO ₂ insertion into metal hydrides: ligand, Lewis acid, and solvent effects on reaction kinetics. Chemical Science, 2018, 9, 6629-6638.	7.4	53

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73	Slow Hydrogen Atom Self-Exchange between Os(IV) Anilide and Os(III) Aniline Complexes:Â Relationships with Electron and Proton Transfer Self-Exchange. Journal of the American Chemical Society, 2003, 125, 12217-12229.	13.7	52
74	Highly Diastereoselective Functionalization of Piperidines by Photoredox-Catalyzed α-Amino C–H Arylation and Epimerization. Journal of the American Chemical Society, 2020, 142, 8194-8202.	13.7	52
75	Electron Transfer Between Colloidal ZnO Nanocrystals. Journal of the American Chemical Society, 2011, 133, 4228-4231.	13.7	51
76	Proton-Coupled Electron Transfer Reactions at a Heme-Propionate in an Iron-Protoporphyrin-IX Model Compound. Journal of the American Chemical Society, 2011, 133, 8544-8551.	13.7	48
77	Proton-Controlled Reduction of ZnO Nanocrystals: Effects of Molecular Reductants, Cations, and Thermodynamic Limitations. Journal of the American Chemical Society, 2016, 138, 1377-1385.	13.7	47
78	Transition State Asymmetry in C–H Bond Cleavage by Proton-Coupled Electron Transfer. Journal of the American Chemical Society, 2019, 141, 10777-10787.	13.7	47
79	Combining scaling relationships overcomes rate versus overpotential trade-offs in O ₂ molecular electrocatalysis. Science Advances, 2020, 6, eaaz3318.	10.3	46
80	Fast Proton-Coupled Electron Transfer Observed for a High-Fidelity Structural and Functional [2Fe–2S] Rieske Model. Journal of the American Chemical Society, 2014, 136, 3946-3954.	13.7	45
81	Hydrogen Atom Transfer Reactions of Ironâ^'Porphyrinâ^'Imidazole Complexes as Models for Histidine-Ligated Heme Reactivity. Journal of the American Chemical Society, 2008, 130, 2774-2776.	13.7	44
82	Reactivity of Hydrogen on and in Nanostructured Molybdenum Nitride: Crotonaldehyde Hydrogenation. ACS Catalysis, 2016, 6, 5797-5806.	11.2	44
83	Long-Range Proton-Coupled Electron-Transfer Reactions of Bis(imidazole) Iron Tetraphenylporphyrins Linked to Benzoates. Journal of Physical Chemistry Letters, 2013, 4, 519-523.	4.6	43
84	Bulk-to-Surface Proton-Coupled Electron Transfer Reactivity of the Metal–Organic Framework MIL-125. Journal of the American Chemical Society, 2018, 140, 16184-16189.	13.7	41
85	Hydrogen on Cobalt Phosphide. Journal of the American Chemical Society, 2019, 141, 15390-15402.	13.7	41
86	Selectivity-Determining Steps in O ₂ Reduction Catalyzed by Iron(tetramesitylporphyrin). Journal of the American Chemical Society, 2020, 142, 4108-4113.	13.7	41
87	Electrochemically Determined O–H Bond Dissociation Free Energies of NiO Electrodes Predict Proton-Coupled Electron Transfer Reactivity. Journal of the American Chemical Society, 2019, 141, 14971-14975.	13.7	40
88	Interfacial Acid–Base Equilibria and Electric Fields Concurrently Probed by <i>In Situ</i> Surface-Enhanced Infrared Spectroscopy. Journal of the American Chemical Society, 2021, 143, 10778-10792.	13.7	40
89	Oxidation of Toluene by [(phen)2Mn(μ-O)2Mn(phen)2]4+via Initial Hydride Abstraction. Journal of the American Chemical Society, 1999, 121, 11894-11895.	13.7	39
90	Bimodal Evans–Polanyi Relationships in Hydrogen Atom Transfer from C(sp ³)–H Bonds to the Cumyloxyl Radical. A Combined Time-Resolved Kinetic and Computational Study. Journal of the American Chemical Society, 2021, 143, 11759-11776.	13.7	39

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91	Effect of Basic Site Substituents on Concerted Proton–Electron Transfer in Hydrogen-Bonded Pyridyl–Phenols. Journal of Physical Chemistry A, 2012, 116, 12249-12259.	2.5	38
92	Bridge Sites of Au Surfaces Are Active for Electrocatalytic CO ₂ Reduction. Journal of the American Chemical Society, 2022, 144, 8641-8648.	13.7	38
93	The Importance of Precursor and Successor Complex Formation in a Bimolecular Protonâ^'Electron Transfer Reaction. Inorganic Chemistry, 2010, 49, 3685-3687.	4.0	35
94	Spin-forbidden hydrogen atom transfer reactions in a cobalt biimidazoline system. Chemical Science, 2012, 3, 230-243.	7.4	35
95	Probing Quantum and Dynamic Effects in Concerted Proton–Electron Transfer Reactions of Phenol–Base Compounds. Journal of Physical Chemistry B, 2012, 116, 571-584.	2.6	34
96	On the Mechanism of Câ^'H Bond Activation in the Photochemical Arylation of Rhenium(V) Oxo lodide Complexes. Organometallics, 1998, 17, 3364-3374.	2.3	30
97	Slow Equilibration between Spectroscopically Distinct Trap States in Reduced TiO ₂ Nanoparticles. Journal of the American Chemical Society, 2017, 139, 2868-2871.	13.7	30
98	Model of the MitoNEET [2Feâ~'2S] Cluster Shows Proton Coupled Electron Transfer. Journal of the American Chemical Society, 2017, 139, 701-707.	13.7	30
99	(Hydro)peroxide ligands on colloidal cerium oxide nanoparticles. Chemical Communications, 2016, 52, 10281-10284.	4.1	29
100	Tp* Rhenium(V) Oxoâ^'Halide, â^'Hydride, â^'Alkyl, â^'Phenyl, and â^'Alkoxide Complexes:Â Syntheses and Oxidations. Organometallics, 2000, 19, 2781-2790.	2.3	28
101	Theoretical Insights into Proton-Coupled Electron Transfer from a Photoreduced ZnO Nanocrystal to an Organic Radical. Nano Letters, 2017, 17, 5762-5767.	9.1	27
102	Thermodynamic Influences on C - H Bond Oxidation. , 2000, , 1-43.		26
103	Stereodynamic Quinone–Hydroquinone Molecules That Enantiomerize at sp ³ -Carbon via Redox-Interconversion. Journal of the American Chemical Society, 2017, 139, 15239-15244.	13.7	26
104	Nanoparticle O–H Bond Dissociation Free Energies from Equilibrium Measurements of Cerium Oxide Colloids. Journal of the American Chemical Society, 2021, 143, 2896-2907.	13.7	25
105	Reaction Dynamics of Proton-Coupled Electron Transfer from Reduced ZnO Nanocrystals. ACS Nano, 2015, 9, 10258-10267.	14.6	24
106	Activationless Multiple-Site Concerted Proton–Electron Tunneling. Journal of the American Chemical Society, 2018, 140, 7449-7452.	13.7	24
107	Activation of an Anilido Ligand for Nucleophilic Aromatic Substitution by an Oxidizing Os(IV) Center. Journal of the American Chemical Society, 2001, 123, 5594-5595.	13.7	23
108	Radical reactivity of the Fe(<scp>iii</scp>)/(<scp>ii</scp>) tetramesitylporphyrin couple: hydrogen atom transfer, oxyl radical dissociation, and catalytic disproportionation of a hydroxylamine. Chemical Science, 2014, 5, 372-380.	7.4	23

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109	Hydroxide-, Amide-, and Sulfhydrylrhenium(I) Tris(alkyne) Complexes. Rearrangements to Rhenium(III) Bis(alkyne) Oxo and Nitrido Compounds1. Organometallics, 1997, 16, 5342-5353.	2.3	22
110	Synthesis and Reactions of Rhenium(V) Oxoâ^'Hydride Complexes. Organometallics, 1998, 17, 2939-2941.	2.3	22
111	Synthesis and Reactivity of Aryl- and Alkyl-Rhenium(V) Imidoâ^'Triflate Compounds:Â An Unusual Mechanism for Triflate Substitution. Organometallics, 1999, 18, 3715-3727.	2.3	22
112	Cation Effects on the Reduction of Colloidal ZnO Nanocrystals. Journal of the American Chemical Society, 2018, 140, 8924-8933.	13.7	22
113	Bond-Stretch Isomers: Fact or Artifact?. Angewandte Chemie International Edition in English, 1992, 31, 286-287.	4.4	21
114	Reactivity of Low-Valent Iridium, Rhodium, and Platinum Complexes with Di- and Tetrasubstituted Hydrazines. Organometallics, 2008, 27, 2238-2245.	2.3	21
115	Synthesis, Radical Reactivity, and Thermochemistry of Monomeric Cu(II) Alkoxide Complexes Relevant to Cu/Radical Alcohol Oxidation Catalysis. Inorganic Chemistry, 2016, 55, 5467-5475.	4.0	20
116	Sodium-coupled electron transfer reactivity of metal–organic frameworks containing titanium clusters: the importance of cations in redox chemistry. Chemical Science, 2019, 10, 1322-1331.	7.4	20
117	Manifesto on the Thermochemistry of Nanoscale Redox Reactions for Energy Conversion. ACS Energy Letters, 2019, 4, 866-872.	17.4	20
118	Intramolecular Electrostatic Effects on O ₂ , CO ₂ , and Acetate Binding to a Cationic Iron Porphyrin. Inorganic Chemistry, 2020, 59, 17402-17414.	4.0	20
119	Two-Electron–Two-Proton Transfer from Colloidal ZnO and TiO ₂ Nanoparticles to Molecular Substrates. Journal of Physical Chemistry Letters, 2020, 11, 7687-7691.	4.6	20
120	Chemical Oxidation of a Coordinated PNP-Pincer Ligand Forms Unexpected Re–Nitroxide Complexes with Reversal of Nitride Reactivity. Inorganic Chemistry, 2019, 58, 10791-10801.	4.0	19
121	Redox Reactivity of Colloidal Nanoceria and Use of Optical Spectra as an In Situ Monitor of Ce Oxidation States. Inorganic Chemistry, 2018, 57, 14401-14408.	4.0	18
122	Low Reorganization Energy for Electron Self-Exchange by a Formally Copper(III,II) Redox Couple. Inorganic Chemistry, 2019, 58, 14151-14158.	4.0	18
123	Multiple selectivity-determining mechanisms of H ₂ O ₂ formation in iron porphyrin-catalysed oxygen reduction. Chemical Communications, 2021, 57, 1202-1205.	4.1	18
124	Protonation and Protonâ€Coupled Electron Transfer at S‣igated [4Feâ€4S] Clusters. Chemistry - A European Journal, 2015, 21, 9256-9260.	3.3	17
125	Synthesis and Reactivity of Tripodal Complexes Containing Pendant Bases. Inorganic Chemistry, 2014, 53, 9242-9253.	4.0	16
126	Proton-Coupled Defects Impact O–H Bond Dissociation Free Energies on Metal Oxide Surfaces. Journal of Physical Chemistry Letters, 2021, 12, 9761-9767.	4.6	16

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127	Slow Tautomerization in a Rhenium-Oxo-Hydroxide Complex. Angewandte Chemie International Edition in English, 1988, 27, 1527-1529.	4.4	15
128	All Four Atropisomers of Iron Tetra(<i>o</i> < <i>N</i> , <i>N</i> , <i>N</i> -trimethylanilinium)porphyrin in Both the Ferric and Ferrous States. Inorganic Chemistry, 2021, 60, 5240-5251.	4.0	14
129	General Light-Mediated, Highly Diastereoselective Piperidine Epimerization: From Most Accessible to Most Stable Stereoisomer. Journal of the American Chemical Society, 2021, 143, 126-131.	13.7	14
130	Effect of Nucleophilicity on the Kinetics of CO ₂ Insertion into Pincer-Supported Nickel Complexes. Organometallics, 2018, 37, 3649-3653.	2.3	13
131	Revealing the Relative Electronic Landscape of Colloidal ZnO and TiO ₂ Nanoparticles via Equilibration Studies. Journal of Physical Chemistry C, 2019, 123, 10262-10271.	3.1	13
132	Electronic Structure of a Cu ^{II} –Alkoxide Complex Modeling Intermediates in Copper-Catalyzed Alcohol Oxidations. Journal of the American Chemical Society, 2016, 138, 4132-4145.	13.7	12
133	Outer‧phere 2 e ^{â^'} /2 H ⁺ Transfer Reactions of Ruthenium(II)â€Amine and Ruthenium(IV)â€Amido Complexes. Angewandte Chemie - International Edition, 2017, 56, 3675-3678.	13.8	12
134	Base-Directed Photoredox Activation of C–H Bonds by PCET. Journal of Organic Chemistry, 2020, 85, 7175-7180.	3.2	12
135	Cooperation of cerium oxide nanoparticles and soluble molecular catalysts for alcohol oxidation. Inorganic Chemistry Frontiers, 2020, 7, 1386-1393.	6.0	12
136	Aqueous TiO ₂ Nanoparticles React by Proton-Coupled Electron Transfer. Inorganic Chemistry, 2022, 61, 767-777.	4.0	12
137	Osmium(iv) complexes TpOs(X)Cl2 and their Os(iii) counterparts: oxidizing compounds with an unusual resistance to ligand substitution. Dalton Transactions RSC, 2001, , 3489-3497.	2.3	11
138	Facile conversion of ammonia to a nitride in a rhenium system that cleaves dinitrogen. Chemical Science, 2022, 13, 4010-4018.	7.4	11
139	Electrolyte Cation Effects on Interfacial Acidity and Electric Fields. Journal of Physical Chemistry C, 2022, 126, 8477-8488.	3.1	11
140	BindungslÃ ¤ genisomere: Fakt oder Artefakt?. Angewandte Chemie, 1992, 104, 293-295.	2.0	10
141	Structure of Diamagnetic[W(O-4-Me-C6H4)2Cl2(PMePh2)2] and Comparison with Related Paramagnetic 2,6-Diphenylphenoxido Complexes: A Steric Effect onl̃€-Bonding and Electronic Structure. Angewandte Chemie International Edition in English, 1993, 32, 439-441.	4.4	10
142	Nitrido and Oxo Complexes of Rhenium(V). Inorganic Syntheses, 2007, , 146-150.	0.3	10
143	Shallow Distance Dependence for Proton-Coupled Tyrosine Oxidation in Oligoproline Peptides. Journal of the American Chemical Society, 2020, 142, 12106-12118.	13.7	10
144	Visible Light-Mediated, Highly Diastereoselective Epimerization of Lactams from the Most Accessible to the More Stable Stereoisomer. ACS Catalysis, 2022, 12, 7798-7803.	11.2	9

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145	C–H oxidation in fluorenyl benzoates does not proceed through a stepwise pathway: revisiting asynchronous proton-coupled electron transfer. Chemical Science, 2021, 12, 13127-13136.	7.4	7
146	Solvent and Temperature Effects on Photoinduced Proton-Coupled Electron Transfer in the Marcus Inverted Region. Journal of Physical Chemistry A, 2021, 125, 7670-7684.	2.5	7
147	Tungsten Chloro Phosphine Complexes. Inorganic Syntheses, 2007, , 326-332.	0.3	6
148	Theoretical Study of Shallow Distance Dependence of Proton-Coupled Electron Transfer in Oligoproline Peptides. Journal of the American Chemical Society, 2020, 142, 13795-13804.	13.7	5
149	Characterization of the non-covalent docking motif in the isolated reactant complex of a double proton-coupled electron transfer reaction with cryogenic ion spectroscopy. Journal of Chemical Physics, 2020, 152, 234309.	3.0	5
150	Non-Organometallic Mechanisms for C—H Bond Oxidation: Hydrogen Atom versus Electron versus Hydride Transfer. ACS Symposium Series, 2004, , 356-369.	0.5	3
151	Outer-Sphere 2 eâ^' 2 H+ Transfer Reactions of Ruthenium(II)-Amine and Ruthenium(IV)-Amido Complex Angewandte Chemie, 2017, 129, 3729-3732.	^{(es.} 2.0	3
152	Different Kinetic Reactivities of Electrons in Distinct TiO ₂ Nanoparticle Trap States. Journal of Physical Chemistry C, 2021, 125, 680-690.	3.1	3
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