

Daniel G Nocera

List of Publications by Year in descending order

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264
papers

50,375
citations

3159

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1424

221
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271
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271
docs citations

271
times ranked

37079
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic thermal transport measurement in low-dimensional materials with graphene non-local noise thermometry. <i>Nature Nanotechnology</i> , 2022, 17, 166-173.	31.5	13
2	Taming the Chlorine Radical: Enforcing Steric Control over Chlorine-Radical-Mediated C-H Activation. <i>Journal of the American Chemical Society</i> , 2022, 144, 1464-1472.	13.7	62
3	Proton-Coupled Electron Transfer: The Engine of Energy Conversion and Storage. <i>Journal of the American Chemical Society</i> , 2022, 144, 1069-1081.	13.7	72
4	p-Block Metal Oxide Noninnocence in the Oxygen Evolution Reaction in Acid: The Case of Bismuth Oxide. <i>Chemistry of Materials</i> , 2022, 34, 826-835.	6.7	8
5	Direct Seawater Splitting by Forward Osmosis Coupled to Water Electrolysis. <i>ACS Applied Energy Materials</i> , 2022, 5, 1403-1408.	5.1	18
6	Self-healing oxygen evolution catalysts. <i>Nature Communications</i> , 2022, 13, 1243.	12.8	46
7	Synthesis, Characterization, and Hydrogen Evolution Activity of Metallo-meso-(4-fluoro-2,6-dimethylphenyl)porphyrin Derivatives. <i>ACS Omega</i> , 2022, 7, 8988-8994.	3.5	8
8	Polypyrrole-Silicon Nanowire Arrays for Controlled Intracellular Cargo Delivery. <i>Nano Letters</i> , 2022, 22, 366-371.	9.1	3
9	Chemical Challenges that the Peroxide Dianion Presents to Rechargeable Lithium-Air Batteries. <i>Chemistry of Materials</i> , 2022, 34, 3883-3892.	6.7	3
10	Proton-coupled electron transfer of macrocyclic ring hydrogenation: The chlorinphlorin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2122063119.	7.1	6
11	Ion-pair effects in photoredox chemistry. <i>CheM</i> , 2022, 8, 1796-1799.	11.7	2
12	Gated Proton Release during Radical Transfer at the Subunit Interface of Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2021, 143, 176-183.	13.7	14
13	Photoredox Nickel-Catalyzed C-S Cross-Coupling: Mechanism, Kinetics, and Generalization. <i>Journal of the American Chemical Society</i> , 2021, 143, 2005-2015.	13.7	61
14	Continuous electrochemical water splitting from natural water sources via forward osmosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	44
15	Syntheses and solid-state structures of two cofacial (bis)dipyrrin dichromium complexes in different charge states. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021, 77, 161-166.	0.5	2
16	Impactful Role of Cocatalysts on Molecular Electrocatalytic Hydrogen Production. <i>ACS Catalysis</i> , 2021, 11, 4561-4567.	11.2	26
17	Long-Lived Triplet Excited State in a Heterogeneous Modified Carbon Nitride Photocatalyst. <i>Journal of the American Chemical Society</i> , 2021, 143, 4646-4652.	13.7	48
18	Capturing the Complete Reaction Profile of a C-H Bond Activation. <i>Journal of the American Chemical Society</i> , 2021, 143, 6060-6064.	13.7	21

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19	Cascade Electrochemical Reduction of Carbon Dioxide with Bimetallic Nanowire and Foam Electrodes. <i>ChemElectroChem</i> , 2021, 8, 1918-1924.	3.4	10
20	Energy catalysis needs ligands with high oxidative stability. <i>Chem Catalysis</i> , 2021, 1, 32-43.	6.1	16
21	Influence of the proton relay spacer on hydrogen electrocatalysis by cobalt hangman porphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2021, 25, 714-723.	0.8	7
22	Mechanistic Investigation and Optimization of Photoredox Anti-Markovnikov Hydroamination. <i>Journal of the American Chemical Society</i> , 2021, 143, 10232-10242.	13.7	28
23	Detection of high-valent iron species in alloyed oxidic cobaltates for catalysing the oxygen evolution reaction. <i>Nature Communications</i> , 2021, 12, 4218.	12.8	38
24	Photohalogen elimination chemistry in low-valent binuclear nickel complexes. <i>Polyhedron</i> , 2021, 203, 115228.	2.2	1
25	Radicals in Biology: Your Life Is in Their Hands. <i>Journal of the American Chemical Society</i> , 2021, 143, 13463-13472.	13.7	23
26	How Radical Are "Radical" Photocatalysts? A Closed-Shell Meisenheimer Complex Is Identified as a Super-Reducing Photoreagent. <i>Journal of the American Chemical Society</i> , 2021, 143, 14352-14359.	13.7	53
27	Crystal structure of the RuPhos ligand. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2021, 77, 171-174.	0.5	1
28	Catalytic C(=O) Bond Cleavage of Lignin in a One-Step Reaction Enabled by a Spin-Center Shift. <i>ACS Catalysis</i> , 2021, 11, 14181-14187.	11.2	21
29	Lithium superoxide encapsulated in a benzoquinone anion matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	1
30	Practical challenges in the development of photoelectrochemical solar fuels production. <i>Sustainable Energy and Fuels</i> , 2020, 4, 985-995.	4.9	58
31	Tertiary Amine-Assisted Electroreduction of Carbon Dioxide to Formate Catalyzed by Iron Tetraphenylporphyrin. <i>ACS Energy Letters</i> , 2020, 5, 72-78.	17.4	48
32	Bacterial Phosphate Granules Contain Cyclic Polyphosphates: Evidence from ³¹ P Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2020, 142, 18407-18421.	13.7	28
33	Valorization of CO ₂ through lithoautotrophic production of sustainable chemicals in <i>Cupriavidus necator</i> . <i>Metabolic Engineering</i> , 2020, 62, 207-220.	7.0	60
34	Hybrid Inorganic-Biological Systems: Faradaic and Quantum Efficiency, Necessary but Not Sufficient. <i>Joule</i> , 2020, 4, 2051-2055.	24.0	8
35	Driving force dependence of inner-sphere electron transfer for the reduction of CO ₂ on a gold electrode. <i>Journal of Chemical Physics</i> , 2020, 153, 094701.	3.0	11
36	Photocatalytic Hydromethylation and Hydroalkylation of Olefins Enabled by Titanium Dioxide Mediated Decarboxylation. <i>Journal of the American Chemical Society</i> , 2020, 142, 17913-17918.	13.7	37

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37	Ribonucleotide Reductases: Structure, Chemistry, and Metabolism Suggest New Therapeutic Targets. <i>Annual Review of Biochemistry</i> , 2020, 89, 45-75.	11.1	120
38	General Paradigm in Photoredox Nickel-Catalyzed Cross-Coupling Allows for Light-Free Access to Reactivity. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9527-9533.	13.8	84
39	Subunit Interaction Dynamics of Class Ia Ribonucleotide Reductases: In Search of a Robust Assay. <i>Biochemistry</i> , 2020, 59, 1442-1453.	2.5	10
40	Multielectron C-H photoactivation with an Sb(v) oxo corrole. <i>Chemical Communications</i> , 2020, 56, 5247-5250.	4.1	14
41	General Paradigm in Photoredox Nickel-Catalyzed Cross-Coupling Allows for Light-Free Access to Reactivity. <i>Angewandte Chemie</i> , 2020, 132, 9614-9620.	2.0	31
42	Template-stabilized oxidic nickel oxygen evolution catalysts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 16187-16192.	7.1	41
43	Solar-driven tandem photoredox nickel-catalysed cross-coupling using modified carbon nitride. <i>Chemical Science</i> , 2020, 11, 7456-7461.	7.4	47
44	Double Hangman Iron Porphyrin and the Effect of Electrostatic Nonbonding Interactions on Carbon Dioxide Reduction. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1890-1895.	4.6	42
45	Synthesis of Hangman Chlorins. <i>Journal of Organic Chemistry</i> , 2020, 85, 5065-5072.	3.2	8
46	Quantum spin liquids. <i>Science</i> , 2020, 367, .	12.6	513
47	Direct Observation of Different One- and Two-Photon Fluorescent States in a Pyrrolo[3,2- <i>b</i>]pyrrole Fluorophore. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4866-4872.	4.6	6
48	Role of electrolyte composition on the acid stability of mixed-metal oxygen evolution catalysts. <i>Chemical Communications</i> , 2020, 56, 10477-10480.	4.1	13
49	Chapter 8. Hybrid Biological-Inorganic Systems for CO ₂ Conversion to Fuels. <i>RSC Energy and Environment Series</i> , 2020, , 317-346.	0.5	2
50	Oxidative Degradation of Multi-Carbon Substrates by an Oxidic Cobalt Phosphate Catalyst. <i>Organometallics</i> , 2019, 38, 1200-1203.	2.3	8
51	Carbon Dioxide Reduction by Iron Hangman Porphyrins. <i>Organometallics</i> , 2019, 38, 1219-1223.	2.3	108
52	Proton-Electron Conductivity in Thin Films of a Cobalt-Oxygen Evolving Catalyst. <i>ACS Applied Energy Materials</i> , 2019, 2, 3-12.	5.1	39
53	Selective Production of Oxygen from Seawater by Oxidic Metallate Catalysts. <i>ACS Omega</i> , 2019, 4, 12860-12864.	3.5	26
54	On the Conversion Efficiency of CO ₂ Electroreduction on Gold. <i>Joule</i> , 2019, 3, 1565-1568.	24.0	20

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55	Artificial Photosynthesis at Efficiencies Greatly Exceeding That of Natural Photosynthesis. <i>Accounts of Chemical Research</i> , 2019, 52, 3143-3148.	15.6	222
56	Interplay of Homogeneous Reactions, Mass Transport, and Kinetics in Determining Selectivity of the Reduction of CO ₂ on Gold Electrodes. <i>ACS Central Science</i> , 2019, 5, 1097-1105.	11.3	97
57	Ligand Noninnocence in Nickel Porphyrins: Nickel Isobacteriochlorin Formation under Hydrogen Evolution Conditions. <i>Inorganic Chemistry</i> , 2019, 58, 7958-7968.	4.0	32
58	High-Frequency and -Field EPR (HF-EPR) Investigation of a Pseudotetrahedral Cr ^{IV} Siloxide Complex and Computational Studies of Related Cr ^{IV} L ₄ Systems. <i>Inorganic Chemistry</i> , 2019, 58, 4907-4920.	4.0	11
59	Selenocysteine Substitution in a Class I Ribonucleotide Reductase. <i>Biochemistry</i> , 2019, 58, 5074-5084.	2.5	11
60	Elucidation of a Redox-Mediated Reaction Cycle for Nickel-Catalyzed Cross Coupling. <i>Journal of the American Chemical Society</i> , 2019, 141, 89-93.	13.7	119
61	Dual-Phase Molecular-like Charge Transport in Nanoporous Transition Metal Oxides. <i>Journal of Physical Chemistry C</i> , 2019, 123, 1966-1973.	3.1	20
62	Halogen Photoelimination from Sb ^V Dihalide Corroles. <i>Inorganic Chemistry</i> , 2018, 57, 5333-5342.	4.0	28
63	Properties of Site-Specifically Incorporated 3-Aminotyrosine in Proteins To Study Redox-Active Tyrosines: <i>Escherichia coli</i> Ribonucleotide Reductase as a Paradigm. <i>Biochemistry</i> , 2018, 57, 3402-3415.	2.5	12
64	Structurally characterized terminal manganese(IV) oxo tris(alkoxide) complex. <i>Chemical Science</i> , 2018, 9, 4524-4528.	7.4	28
65	Solar-powered CO ₂ reduction by a hybrid biological inorganic system. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 358, 411-415.	3.9	29
66	Light-driven fine chemical production in yeast biohybrids. <i>Science</i> , 2018, 362, 813-816.	12.6	251
67	Direct Electrochemical P(V) to P(III) Reduction of Phosphine Oxide Facilitated by Triaryl Borates. <i>Journal of the American Chemical Society</i> , 2018, 140, 13711-13718.	13.7	34
68	General Strategy for Improving the Quantum Efficiency of Photoredox Hydroamidation Catalysis. <i>Journal of the American Chemical Society</i> , 2018, 140, 14926-14937.	13.7	61
69	Photochemical Rescue of a Conformationally Inactivated Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2018, 140, 15744-15752.	13.7	11
70	Lithography-Free Electrochemical Patterning of Conductive Substrates with Metal Oxides. <i>Small</i> , 2018, 14, 1801134.	10.0	0
71	Electrochemical trapping of metastable Mn ³⁺ ions for activation of MnO ₂ oxygen evolution catalysts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5261-E5268.	7.1	173
72	Basis of dATP inhibition of RNRs. <i>Journal of Biological Chemistry</i> , 2018, 293, 10413-10414.	3.4	6

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73	Oxygen Reduction Reaction Promoted by Manganese Porphyrins. ACS Catalysis, 2018, 8, 8671-8679.	11.2	91
74	Oxygen activation at a dicobalt centre of a dipyriddyethane naphthyridine complex. Dalton Transactions, 2018, 47, 11903-11908.	3.3	9
75	Glutamate 350 Plays an Essential Role in Conformational Gating of Long-Range Radical Transport in <i>Escherichia coli</i> Class Ia Ribonucleotide Reductase. Biochemistry, 2017, 56, 856-868.	2.5	19
76	Influence of iron doping on tetravalent nickel content in catalytic oxygen evolving films. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1486-1491.	7.1	488
77	Formal Reduction Potentials of Difluorotyrosine and Trifluorotyrosine Protein Residues: Defining the Thermodynamics of Multistep Radical Transfer. Journal of the American Chemical Society, 2017, 139, 2994-3004.	13.7	34
78	Hydrogen Evolution Catalysis by a Sparsely Substituted Cobalt Chlorin. ACS Catalysis, 2017, 7, 3597-3606.	11.2	56
79	Design of template-stabilized active and earth-abundant oxygen evolution catalysts in acid. Chemical Science, 2017, 8, 4779-4794.	7.4	172
80	Electrochemical Deposition of Conformal and Functional Layers on High Aspect Ratio Silicon Micro/Nanowires. Nano Letters, 2017, 17, 4502-4507.	9.1	50
81	On the incompatibility of lithium-ion battery technology with CO ₂ . Chemical Science, 2017, 8, 6117-6122.	7.4	30
82	Ambient nitrogen reduction cycle using a hybrid inorganic-biological system. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6450-6455.	7.1	167
83	In situ characterization of cofacial Co(IV) centers in Co ₄ O ₄ cubane: Modeling the high-valent active site in oxygen-evolving catalysts. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3855-3860.	7.1	93
84	Solar Fuels and Solar Chemicals Industry. Accounts of Chemical Research, 2017, 50, 616-619.	15.6	333
85	¹³ C-Labeling the carbon-fixation pathway of a highly efficient artificial photosynthetic system. Faraday Discussions, 2017, 198, 529-537.	3.2	11
86	Slow Magnetic Relaxation in Intermediate Spin $S = 3/2$ Mononuclear Fe(III) Complexes. Journal of the American Chemical Society, 2017, 139, 16474-16477.	13.7	46
87	Multielectron, multisubstrate molecular catalysis of electrochemical reactions: Formal kinetic analysis in the total catalysis regime. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11303-11308.	7.1	24
88	Conformationally Dynamic Radical Transfer within Ribonucleotide Reductase. Journal of the American Chemical Society, 2017, 139, 16657-16665.	13.7	36
89	Gold Corroles as Near-IR Phosphors for Oxygen Sensing. Inorganic Chemistry, 2017, 56, 10991-10997.	4.0	43
90	Self-healing catalysis in water. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13380-13384.	7.1	95

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91	Biological-inorganic hybrid systems as a generalized platform for chemical production. <i>Current Opinion in Chemical Biology</i> , 2017, 41, 107-113.	6.1	36
92	Scalable Syntheses of 4-Substituted Pyridine- α -Diimines. <i>Journal of Organic Chemistry</i> , 2017, 82, 12933-12938.	3.2	12
93	Second-Coordination-Sphere Assisted Selective Colorimetric Turn-on Fluoride Sensing by a Mono-Metallic Co(II) Hexacarboxamide Cryptand Complex. <i>Inorganic Chemistry</i> , 2017, 56, 7615-7619.	4.0	20
94	Electronic Structure of Copper Corroles. <i>Angewandte Chemie</i> , 2016, 128, 2216-2220.	2.0	26
95	Mechanistic Study for Facile Electrochemical Patterning of Surfaces with Metal Oxides. <i>ACS Nano</i> , 2016, 10, 5321-5325.	14.6	3
96	X-ray Spectroscopic Characterization of Co(IV) and Metal-Metal Interactions in Co_4O_4 : Electronic Structure Contributions to the Formation of High-Valent States Relevant to the Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2016, 138, 11017-11030.	13.7	94
97	EPR Spectroscopic Characterization of a Jahn-Teller Distorted ($\text{C}_3\text{v} \rightarrow \text{C}_s$) Four-Coordinate Chromium(V) Oxo Species. <i>Israel Journal of Chemistry</i> , 2016, 56, 864-871.	2.3	2
98	Multi-electron reactivity of a cofacial di-tin(scp) cryptand: partial reduction of sulfur and selenium and reversible generation of $\text{S}_3\text{E}^{\text{TM}}$. <i>Chemical Science</i> , 2016, 7, 6928-6933.	7.4	11
99	A ~ 200 meV Uphill Thermodynamic Landscape for Radical Transport in <i>Escherichia coli</i> Ribonucleotide Reductase Determined Using Fluorotyrosine-Substituted Enzymes. <i>Journal of the American Chemical Society</i> , 2016, 138, 13706-13716.	13.7	27
100	Magnetic transitions in the topological magnon insulator $\text{Cu}(1,3\text{-bdc})$. <i>Physical Review B</i> , 2016, 93, .	3.2	25
101	Stereoelectronic Effects in Cl_2 Elimination from Binuclear Pt(III) Complexes. <i>Inorganic Chemistry</i> , 2016, 55, 11815-11820.	4.0	22
102	Room temperature stable CO_2 -free H_2 production from methanol with magnesium oxide nanophotocatalysts. <i>Science Advances</i> , 2016, 2, e1501425.	10.3	62
103	Activation of Electron-Deficient Quinones through Hydrogen-Bond-Donor-Coupled Electron Transfer. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 539-544.	13.8	49
104	Electronic Structure of Copper Corroles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2176-2180.	13.8	76
105	Water splitting-biosynthetic system with CO_2 reduction efficiencies exceeding photosynthesis. <i>Science</i> , 2016, 352, 1210-1213.	12.6	760
106	Photochemical Generation of a Tryptophan Radical within the Subunit Interface of Ribonucleotide Reductase. <i>Biochemistry</i> , 2016, 55, 3234-3240.	2.5	14
107	Activation of Electron-Deficient Quinones through Hydrogen-Bond-Donor-Coupled Electron Transfer. <i>Angewandte Chemie</i> , 2016, 128, 549-554.	2.0	20
108	Charge-Transfer Dynamics at the $\hat{1}\hat{1}^2$ Subunit Interface of a Photochemical Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2016, 138, 1196-1205.	13.7	28

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109	Nickel phlorin intermediate formed by proton-coupled electron transfer in hydrogen evolution mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 485-492.	7.1	133
110	Oxygen Reduction Catalysis at a Dicobalt Center: The Relationship of Faradaic Efficiency to Overpotential. <i>Journal of the American Chemical Society</i> , 2016, 138, 2925-2928.	13.7	84
111	Probing Edge Site Reactivity of Oxidic Cobalt Water Oxidation Catalysts. <i>Journal of the American Chemical Society</i> , 2016, 138, 4229-4236.	13.7	178
112	Topological Magnon Bands in a Kagome Lattice Ferromagnet. <i>Physical Review Letters</i> , 2015, 115, 147201.	7.8	289
113	Reverse Electron Transfer Completes the Catalytic Cycle in a 2,3,5-Trifluorotyrosine-Substituted Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2015, 137, 14387-14395.	13.7	22
114	Efficient solar-to-fuels production from a hybrid microbial "water-splitting" catalyst system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2337-2342.	7.1	366
115	Ultrafast Photoinduced Electron Transfer from Peroxide Dianion. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7422-7429.	2.6	12
116	Proton-coupled electron transfer chemistry of hangman macrocycles: Hydrogen and oxygen evolution reactions. <i>Journal of Porphyrins and Phthalocyanines</i> , 2015, 19, 1-8.	0.8	58
117	Photophysical Properties of β^2 -Substituted Free-Base Corroles. <i>Inorganic Chemistry</i> , 2015, 54, 2713-2725.	4.0	47
118	Micelle-Encapsulated Quantum Dot-Porphyrin Assemblies as <i>in Vivo</i> Two-Photon Oxygen Sensors. <i>Journal of the American Chemical Society</i> , 2015, 137, 9832-9842.	13.7	104
119	Oxygen Reduction Mechanism of Monometallic Rhodium Hydride Complexes. <i>Inorganic Chemistry</i> , 2015, 54, 7335-7344.	4.0	9
120	Trap-Free Halogen Photoelimination from Mononuclear Ni(III) Complexes. <i>Journal of the American Chemical Society</i> , 2015, 137, 6472-6475.	13.7	125
121	Facile, Rapid, and Large-Area Periodic Patterning of Semiconductor Substrates with Submicron Inorganic Structures. <i>Journal of the American Chemical Society</i> , 2015, 137, 3739-3742.	13.7	5
122	Electrochemical polymerization of pyrene derivatives on functionalized carbon nanotubes for pseudocapacitive electrodes. <i>Nature Communications</i> , 2015, 6, 7040.	12.8	159
123	High-throughput patterning of photonic structures with tunable periodicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5309-5313.	7.1	9
124	Nature of Activated Manganese Oxide for Oxygen Evolution. <i>Journal of the American Chemical Society</i> , 2015, 137, 14887-14904.	13.7	359
125	Comparison of self-assembled and micelle encapsulated QD chemosensor constructs for biological sensing. <i>Faraday Discussions</i> , 2015, 185, 249-266.	3.2	17
126	Catalytic Oxygen Evolution by Cobalt Oxide Thin Films. <i>Topics in Current Chemistry</i> , 2015, 371, 173-213.	4.0	46

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127	Anion-Receptor Mediated Oxidation of Carbon Monoxide to Carbonate by Peroxide Dianion. <i>Journal of the American Chemical Society</i> , 2015, 137, 14562-14565.	13.7	26
128	Modulation of Phenol Oxidation in Cofacial Dyads. <i>Journal of the American Chemical Society</i> , 2015, 137, 11860-11863.	13.7	10
129	Direct interfacial γ oxidation in H_2 by a photo H_2 subunit of E. coli class Ia ribonucleotide reductase. <i>Chemical Science</i> , 2015, 6, 4519-4524.	7.4	8
130	Halogen Photoelimination from Monomeric Nickel(III) Complexes Enabled by the Secondary Coordination Sphere. <i>Organometallics</i> , 2015, 34, 4766-4774.	2.3	73
131	Pushing Single-Oxygen-Atom-Bridged Bimetallic Systems to the Right: A Cryptand-Encapsulated Co O^{Co} Unit. <i>Journal of the American Chemical Society</i> , 2015, 137, 15354-15357.	13.7	9
132	Tandem redox mediator/ $\text{Ni}(\text{II})$ trihalide complex photocycle for hydrogen evolution from HCl. <i>Chemical Science</i> , 2015, 6, 917-922.	7.4	16
133	Theoretical Analysis of Cobalt Hangman Porphyrins: Ligand Dearomatization and Mechanistic Implications for Hydrogen Evolution. <i>ACS Catalysis</i> , 2014, 4, 4516-4526.	11.2	90
134	Water Oxidation Catalysis by Co(II) Impurities in $\text{Co}(\text{III})_4\text{O}_4$ Cubanes. <i>Journal of the American Chemical Society</i> , 2014, 136, 17681-17688.	13.7	152
135	Kinetics of Hydrogen Atom Abstraction from Substrate by an Active Site Thyl Radical in Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2014, 136, 16210-16216.	13.7	32
136	Role of pendant proton relays and proton-coupled electron transfer on the hydrogen evolution reaction by nickel hangman porphyrins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15001-15006.	7.1	159
137	Halide-Bridged Binuclear HX-Splitting Catalysts. <i>Inorganic Chemistry</i> , 2014, 53, 9122-9128.	4.0	31
138	Post-synthetic Modification of Hangman Porphyrins Synthesized on the Gram Scale. <i>ChemSusChem</i> , 2014, 7, 2449-2452.	6.8	7
139	Ten-percent solar-to-fuel conversion with nonprecious materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14057-14061.	7.1	262
140	Electrocatalytic H_2 Evolution by Proton-Gated Hangman Iron Porphyrins. <i>Organometallics</i> , 2014, 33, 4994-5001.	2.3	82
141	Nucleation and Growth Mechanisms of an Electrodeposited Manganese Oxide Oxygen Evolution Catalyst. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17142-17152.	3.1	73
142	A Functionally Stable Manganese Oxide Oxygen Evolution Catalyst in Acid. <i>Journal of the American Chemical Society</i> , 2014, 136, 6002-6010.	13.7	474
143	Spectroscopic Studies of Nanoparticulate Thin Films of a Cobalt-Based Oxygen Evolution Catalyst. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17060-17066.	3.1	33
144	Templated assembly of photoswitches significantly increases the energy-storage capacity of solar thermal fuels. <i>Nature Chemistry</i> , 2014, 6, 441-447.	13.6	261

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145	Pacman and Hangman Metal Tetraazamacrocycles. <i>ChemSusChem</i> , 2013, 6, 1541-1544.	6.8	15
146	Two-Photon Oxygen Sensing with Quantum Dot-Porphyrin Conjugates. <i>Inorganic Chemistry</i> , 2013, 52, 10394-10406.	4.0	76
147	Mechanism of Cobalt Self-Exchange Electron Transfer. <i>Journal of the American Chemical Society</i> , 2013, 135, 15053-15061.	13.7	36
148	High-Field Magnetism of the S=5/2 Kagome-Lattice Antiferromagnet KFe ₃ (OH) ₆ (SO ₄) ₂ for the Magnetic Field in the Kagome-Plane. <i>Journal of Low Temperature Physics</i> , 2013, 170, 242-247.	1.4	2
149	Mechanistic Studies of the Oxygen Evolution Reaction Mediated by a Nickel-Borate Thin Film Electrocatalyst. <i>Journal of the American Chemical Society</i> , 2013, 135, 3662-3674.	13.7	430
150	Iron in a Trigonal Tris(alkoxide) Ligand Environment. <i>Inorganic Chemistry</i> , 2013, 52, 3159-3169.	4.0	30
151	Artificial photosynthesis as a frontier technology for energy sustainability. <i>Energy and Environmental Science</i> , 2013, 6, 1074.	30.8	284
152	Energy and environment policy case for a global project on artificial photosynthesis. <i>Energy and Environmental Science</i> , 2013, 6, 695.	30.8	264
153	Chromium(IV) Siloxide. <i>Inorganic Chemistry</i> , 2013, 52, 1173-1175.	4.0	23
154	Halogen photoelimination from dirhodium phosphazane complexes via chloride-bridged intermediates. <i>Chemical Science</i> , 2013, 4, 2880.	7.4	35
155	Intermediate-Range Structure of Self-Assembled Cobalt-Based Oxygen-Evolving Catalyst. <i>Journal of the American Chemical Society</i> , 2013, 135, 6403-6406.	13.7	151
156	Reversible, Long-Range Radical Transfer in <i>E. coli</i> Class Ia Ribonucleotide Reductase. <i>Accounts of Chemical Research</i> , 2013, 46, 2524-2535.	15.6	223
157	Interfaces between water splitting catalysts and buried silicon junctions. <i>Energy and Environmental Science</i> , 2013, 6, 532-538.	30.8	58
158	Stabilized CdSe-CoPi Composite Photoanode for Light-Assisted Water Oxidation by Transformation of a CdSe/Cobalt Metal Thin Film. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2364-2367.	8.0	20
159	Proton-Electron Transport and Transfer in Electrocatalytic Films. Application to a Cobalt-Based O ₂ -Evolution Catalyst. <i>Journal of the American Chemical Society</i> , 2013, 135, 10492-10502.	13.7	151
160	Modulation of Y ₃₅₆ Photooxidation in <i>E. coli</i> Class Ia Ribonucleotide Reductase by Y ₇₃₁ Across the $\hat{I}^{\pm 2}_{2 \times 2}$ Interface. <i>Journal of the American Chemical Society</i> , 2013, 135, 13250-13253.	13.7	16
161	Generation of a stable, aminotyrosyl radical-induced $\hat{I}^{\pm 2}_{2 \times 2}$ complex of <i>Escherichia coli</i> class Ia ribonucleotide reductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3835-3840.	7.1	44
162	Photo-ribonucleotide reductase $\hat{I}^{\pm 2}$ by selective cysteine labeling with a radical phototrigger. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 39-43.	7.1	53

#	ARTICLE	IF	CITATIONS
163	Fractionalized excitations in the spin-liquid state of a kagome-lattice antiferromagnet. <i>Nature</i> , 2012, 492, 406-410.	27.8	873
164	Energy transfer of CdSe/ZnS nanocrystals encapsulated with rhodamine-dye functionalized poly(acrylic acid). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 248, 24-29.	3.9	15
165	Hangman effect on hydrogen peroxide dismutation by Fe(III) corroles. <i>Chemical Communications</i> , 2012, 48, 4175.	4.1	32
166	Deciphering Radical Transport in the Large Subunit of Class I Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2012, 134, 1172-1180.	13.7	40
167	Can We Progress from Solipsistic Science to Frugal Innovation?. <i>Daedalus</i> , 2012, 141, 45-52.	1.8	37
168	Porphyrin and Corrole Platforms for Water Oxidation, Oxygen Reduction, and Peroxide Dismutation. <i>Handbook of Porphyrin Science</i> , 2012, , 1-143.	0.8	16
169	The Nature of Lithium Battery Materials under Oxygen Evolution Reaction Conditions. <i>Journal of the American Chemical Society</i> , 2012, 134, 16959-16962.	13.7	287
170	Reversible Reduction of Oxygen to Peroxide Facilitated by Molecular Recognition. <i>Science</i> , 2012, 335, 450-453.	12.6	87
171	Nucleation, Growth, and Repair of a Cobalt-Based Oxygen Evolving Catalyst. <i>Journal of the American Chemical Society</i> , 2012, 134, 6326-6336.	13.7	216
172	Structure-Activity Correlations in a Nickel-Borate Oxygen Evolution Catalyst. <i>Journal of the American Chemical Society</i> , 2012, 134, 6801-6809.	13.7	612
173	Alternating layer addition approach to CdSe/CdS core/shell quantum dots with near-unity quantum yield and high on-time fractions. <i>Chemical Science</i> , 2012, 3, 2028.	7.4	207
174	Energy transfer mediated by asymmetric hydrogen-bonded interfaces. <i>Chemical Science</i> , 2012, 3, 455-459.	7.4	8
175	The Artificial Leaf. <i>Accounts of Chemical Research</i> , 2012, 45, 767-776.	15.6	1,531
176	Proton-coupled electron transfer kinetics for the hydrogen evolution reaction of hangman porphyrins. <i>Energy and Environmental Science</i> , 2012, 5, 7737.	30.8	151
177	A nanocrystal-based ratiometric pH sensor for natural pH ranges. <i>Chemical Science</i> , 2012, 3, 2980.	7.4	60
178	Light-induced water oxidation at silicon electrodes functionalized with a cobalt oxygen-evolving catalyst. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10056-10061.	7.1	195
179	Xanthene-Modified and Hangman Iron Corroles. <i>Inorganic Chemistry</i> , 2011, 50, 1368-1377.	4.0	52
180	Family of Cofacial Bimetallic Complexes of a Hexaanionic Carboxamide Cryptand. <i>Inorganic Chemistry</i> , 2011, 50, 4107-4115.	4.0	30

#	ARTICLE	IF	CITATIONS
181	Bidirectional and Unidirectional PCET in a Molecular Model of a Cobalt-Based Oxygen-Evolving Catalyst. <i>Journal of the American Chemical Society</i> , 2011, 133, 5174-5177.	13.7	127
182	Photocatalytic hydrogen production. <i>Chemical Communications</i> , 2011, 47, 9268.	4.1	300
183	Photo-assisted water oxidation with cobalt-based catalyst formed from thin-film cobalt metal on silicon photoanodes. <i>Energy and Environmental Science</i> , 2011, 4, 2058.	30.8	106
184	Hangman Corroles: Efficient Synthesis and Oxygen Reaction Chemistry. <i>Journal of the American Chemical Society</i> , 2011, 133, 131-140.	13.7	197
185	Hydrothermal growth of single crystals of the quantum magnets: Clinoatacamite, paratacamite, and herbertsmithite. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	28
186	Electronic Structure Description of a [Co(III) ₃ Co(IV)O ₄] Cluster: A Model for the Paramagnetic Intermediate in Cobalt-Catalyzed Water Oxidation. <i>Journal of the American Chemical Society</i> , 2011, 133, 15444-15452.	13.7	155
187	Comparing Photosynthetic and Photovoltaic Efficiencies and Recognizing the Potential for Improvement. <i>Science</i> , 2011, 332, 805-809.	12.6	1,369
188	Highly active cobalt phosphate and borate based oxygen evolving catalysts operating in neutral and natural waters. <i>Energy and Environmental Science</i> , 2011, 4, 499-504.	30.8	402
189	Hydrogen Generation by Hangman Metalloporphyrins. <i>Journal of the American Chemical Society</i> , 2011, 133, 8775-8777.	13.7	255
190	Electrocatalytic Water Oxidation by Cobalt(III) Hangman \hat{I}^2 -Octafluoro Corroles. <i>Journal of the American Chemical Society</i> , 2011, 133, 9178-9180.	13.7	488
191	Wireless Solar Water Splitting Using Silicon-Based Semiconductors and Earth-Abundant Catalysts. <i>Science</i> , 2011, 334, 645-648.	12.6	1,559
192	Dzyaloshinskii-Moriya interaction and spin reorientation transition in the frustrated kagome lattice antiferromagnet. <i>Physical Review B</i> , 2011, 83, .	3.2	50
193	Synthesis and characterization of single crystals of the spin- $\frac{1}{2}$ antiferromagnets Zn ₂ and Cu ₂	3.2	75
194	EPR Evidence for Co(IV) Species Produced During Water Oxidation at Neutral pH. <i>Journal of the American Chemical Society</i> , 2010, 132, 6882-6883.	13.7	488
195	Structure and Valency of a Cobalt ^{II} Phosphate Water Oxidation Catalyst Determined by in Situ X-ray Spectroscopy. <i>Journal of the American Chemical Society</i> , 2010, 132, 13692-13701.	13.7	649
196	Direct formation of a water oxidation catalyst from thin-film cobalt. <i>Energy and Environmental Science</i> , 2010, 3, 1726.	30.8	59
197	Pseudotetrahedral d ₀ , d ₁ , and d ₂ Metal ^{II} Oxo Cores within a Tris(alkoxide) Platform. <i>Inorganic Chemistry</i> , 2010, 49, 10759-10761.	4.0	36
198	Oxygen reduction reactivity of cobalt(ii) hangman porphyrins. <i>Chemical Science</i> , 2010, 1, 411.	7.4	225

#	ARTICLE	IF	CITATIONS
199	Site Specific X-ray Anomalous Dispersion of the Geometrically Frustrated Kagom� Magnet, Herbertsmithite, $ZnCu_3(OH)_6Cl_2$. Journal of the American Chemical Society, 2010, 132, 16185-16190.	13.7	166
200	Mechanistic Studies of the Oxygen Evolution Reaction by a Cobalt-Phosphate Catalyst at Neutral pH. Journal of the American Chemical Society, 2010, 132, 16501-16509.	13.7	1,074
201	�Fast food�energy. Energy and Environmental Science, 2010, 3, 993.	30.8	36
202	Solar Energy Supply and Storage for the Legacy and Nonlegacy Worlds. Chemical Reviews, 2010, 110, 6474-6502.	47.7	2,676
203	Nickel-borate oxygen-evolving catalyst that functions under benign conditions. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10337-10341.	7.1	709
204	Exciton-exciton annihilation in organic polariton microcavities. Physical Review B, 2010, 82, .	3.2	54
205	Efficient Synthesis of Hangman Porphyrins. Organic Letters, 2010, 12, 1036-1039.	4.6	48
206	Cofacial Dicobalt Complex of a Binucleating Hexacarboxamide Cryptand Ligand. Inorganic Chemistry, 2010, 49, 3697-3699.	4.0	22
207	Personalized Energy: The Home as a Solar Power Station and Solar Gas Station. ChemSusChem, 2009, 2, 387-390.	6.8	108
208	Proton-Coupled Electron Transfer in Biology: Results from Synergistic Studies in Natural and Model Systems. Annual Review of Biochemistry, 2009, 78, 673-699.	11.1	404
209	Cobalt�phosphate oxygen-evolving compound. Chemical Society Reviews, 2009, 38, 109-114.	38.1	683
210	Chemistry of Personalized Solar Energy. Inorganic Chemistry, 2009, 48, 10001-10017.	4.0	368
211	Halogen Photoreductive Elimination from Gold(III) Centers. Journal of the American Chemical Society, 2009, 131, 7411-7420.	13.7	109
212	Chlorine Photoelimination from a Diplatinum Core: Circumventing the Back Reaction. Journal of the American Chemical Society, 2009, 131, 28-29.	13.7	66
213	Electrolyte-Dependent Electrosynthesis and Activity of Cobalt-Based Water Oxidation Catalysts. Journal of the American Chemical Society, 2009, 131, 2615-2620.	13.7	590
214	A Self-Healing Oxygen-Evolving Catalyst. Journal of the American Chemical Society, 2009, 131, 3838-3839.	13.7	521
215	Experimental evidence of diffusion-induced bias in near-wall velocimetry using quantum dot measurements. Experiments in Fluids, 2008, 44, 1035-1038.	2.4	14
216	Electronic Design Criteria for O�O Bond Formation via Metal�Oxo Complexes. Inorganic Chemistry, 2008, 47, 1849-1861.	4.0	390

#	ARTICLE	IF	CITATIONS
217	In Situ Formation of an Oxygen-Evolving Catalyst in Neutral Water Containing Phosphate and Co ²⁺ . <i>Science</i> , 2008, 321, 1072-1075.	12.6	3,855
218	A ligand field chemistry of oxygen generation by the oxygen-evolving complex and synthetic active sites. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 1293-1303.	4.0	79
219	Role of Proton-Coupled Electron Transfer in O-O Bond Activation. <i>Accounts of Chemical Research</i> , 2007, 40, 543-553.	15.6	353
220	Stereochemical control of H ₂ O ₂ dismutation by Hangman porphyrins. <i>Chemical Communications</i> , 2007, , 2642.	4.1	44
221	Photoactive Peptides for Light-Initiated Tyrosyl Radical Generation and Transport into Ribonucleotide Reductase. <i>Journal of the American Chemical Society</i> , 2007, 129, 8500-8509.	13.7	44
222	Catalase and Epoxidation Activity of Manganese Salen Complexes Bearing Two Xanthene Scaffolds. <i>Journal of the American Chemical Society</i> , 2007, 129, 8192-8198.	13.7	66
223	Proton-Directed Redox Control of O-O Bond Activation by Heme Hydroperoxidase Models. <i>Journal of the American Chemical Society</i> , 2007, 129, 5069-5075.	13.7	91
224	Proton-Coupled Electron Transfer of Tyrosine Oxidation: Buffer Dependence and Parallel Mechanisms. <i>Journal of the American Chemical Society</i> , 2007, 129, 15462-15464.	13.7	193
225	Hydrogen Production by Molecular Photocatalysis. <i>Chemical Reviews</i> , 2007, 107, 4022-4047.	47.7	1,325
226	Photocatalytic Oxidation of Hydrocarbons by a Bis-iron(III)- μ_4 -oxo Pacman Porphyrin Using O ₂ and Visible Light. <i>Journal of the American Chemical Society</i> , 2006, 128, 6546-6547.	13.7	139
227	Spectroscopic Determination of Proton Position in the Proton-Coupled Electron Transfer Pathways of Donor-Acceptor Supramolecule Assemblies. <i>Journal of the American Chemical Society</i> , 2006, 128, 10474-10483.	13.7	81
228	Hangman Salen Platforms Containing Two Xanthene Scaffolds. <i>Journal of Organic Chemistry</i> , 2006, 71, 8706-8714.	3.2	35
229	Mono-, Di-, Tri-, and Tetra-Substituted Fluorotyrosines: New Probes for Enzymes That Use Tyrosyl Radicals in Catalysis. <i>Journal of the American Chemical Society</i> , 2006, 128, 1569-1579.	13.7	126
230	pH Rate Profiles of F _N Y356-R ₂ s (n= 2, 3, 4) in <i>Escherichia coli</i> Ribonucleotide Reductase: Evidence that Y356 is a Redox-Active Amino Acid along the Radical Propagation Pathway. <i>Journal of the American Chemical Society</i> , 2006, 128, 1562-1568.	13.7	114
231	Powering the planet: Chemical challenges in solar energy utilization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15729-15735.	7.1	7,148
232	Proton-coupled electron transfer: the mechanistic underpinning for radical transport and catalysis in biology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006, 361, 1351-1364.	4.0	262
233	On the future of global energy. <i>Daedalus</i> , 2006, 135, 112-115.	1.8	59
234	Oxygen and hydrogen photocatalysis by two-electron mixed-valence coordination compounds. <i>Coordination Chemistry Reviews</i> , 2005, 249, 1316-1326.	18.8	103

#	ARTICLE	IF	CITATIONS
235	Spin chirality on a two-dimensional frustrated lattice. <i>Nature Materials</i> , 2005, 4, 323-328.	27.5	243
236	A Structurally Perfect $S=1/2$ Kagomé Antiferromagnet. <i>Journal of the American Chemical Society</i> , 2005, 127, 13462-13463.	13.7	622
237	Non-linear transduction strategies for chemo/biosensing on small length scales. <i>Journal of Materials Chemistry</i> , 2005, 15, 2697.	6.7	20
238	Blue semiconductor nanocrystal laser. <i>Applied Physics Letters</i> , 2005, 86, 073102.	3.3	154
239	Aerobic Catalytic Photooxidation of Olefins by an Electron-Deficient Pacman Bisiron(III) H_4 -Oxo Porphyrin. <i>Journal of Organic Chemistry</i> , 2005, 70, 1885-1888.	3.2	73
240	Spin Frustration in 2D Kagomé Lattices: A Problem for Inorganic Synthetic Chemistry. <i>Chemistry - A European Journal</i> , 2004, 10, 3850-3859.	3.3	126
241	Organometallic and Coordination Complexes. <i>Inorganic Syntheses</i> , 2004, , 49-95.	0.3	3
242	Quantum-dot optical temperature probes. <i>Applied Physics Letters</i> , 2003, 83, 3555-3557.	3.3	369
243	Catalytic O_2 Activation Chemistry Mediated by Iron Hangman Porphyrins with a Wide Range of Proton-Donating Abilities. <i>Organic Letters</i> , 2003, 5, 2421-2424.	4.6	95
244	Powder neutron diffraction analysis and magnetic structure of kagomé-type vanadium jarosite $\text{NaV}_3(\text{OD})_6(\text{SO}_4)_2$. <i>Physical Review B</i> , 2003, 68, .	3.2	23
245	Proton-Coupled O_2 Activation on a Redox Platform Bearing a Hydrogen-Bonding Scaffold. <i>Journal of the American Chemical Society</i> , 2003, 125, 1866-1876.	13.7	158
246	Transient Absorption Studies of the Pacman Effect in Spring-Loaded Diiron(III) H_4 -Oxo Bisporphyrins. <i>Inorganic Chemistry</i> , 2003, 42, 8270-8277.	4.0	54
247	2,3-Difluorotyrosine at Position 356 of Ribonucleotide Reductase R2: A Probe of Long-Range Proton-Coupled Electron Transfer. <i>Journal of the American Chemical Society</i> , 2003, 125, 10506-10507.	13.7	60
248	Radical Initiation in the Class I Ribonucleotide Reductase: Long-Range Proton-Coupled Electron Transfer?. <i>Chemical Reviews</i> , 2003, 103, 2167-2202.	47.7	770
249	Generation of the R2 Subunit of Ribonucleotide Reductase by Intein Chemistry: Insertion of 3-Nitrotyrosine at Residue 356 as a Probe of the Radical Initiation Process. <i>Biochemistry</i> , 2003, 42, 14541-14552.	2.5	79
250	Excited-State Dynamics of Cofacial Pacman Porphyrins. <i>Journal of Physical Chemistry A</i> , 2002, 106, 11700-11708.	2.5	65
251	Porphyrin Architectures Bearing Functionalized Xanthene Spacers. <i>Journal of Organic Chemistry</i> , 2002, 67, 1403-1406.	3.2	54
252	Hydrogen Produced from Hydrohalic Acid Solutions by a Two-Electron Mixed-Valence Photocatalyst. <i>Science</i> , 2001, 293, 1639-1641.	12.6	309

#	ARTICLE	IF	CITATIONS
253	Structurally Homologous δ^2 - and meso-Amidinium Porphyrins. <i>Inorganic Chemistry</i> , 2001, 40, 3643-3646.	4.0	25
254	Hangman Porphyrins for the Assembly of a Model Heme Water Channel. <i>Journal of the American Chemical Society</i> , 2001, 123, 1513-1514.	13.7	129
255	Xanthene-Bridged Cofacial Bisporphyrins. <i>Inorganic Chemistry</i> , 2000, 39, 959-966.	4.0	107
256	The Whole Story of the Two-Electron Bond, with the $\hat{\nu}$ Bond as a Paradigm. <i>Accounts of Chemical Research</i> , 2000, 33, 483-490.	15.6	102
257	Electrocatalytic four-electron reduction of oxygen to water by a highly flexible cofacial cobalt bisporphyrin. <i>Chemical Communications</i> , 2000, , 1355-1356.	4.1	148
258	From Molecules to the Crystalline Solid: Secondary Hydrogen-Bonding Interactions of Salt Bridges and Their Role in Magnetic Exchange. <i>Chemistry - A European Journal</i> , 1999, 5, 1474-1480.	3.3	61
259	Two Photon Excitation Spectrum of a Twisted Quadruple Bond Metal-Metal Complex. <i>Journal of the American Chemical Society</i> , 1999, 121, 868-869.	13.7	22
260	PROTON-COUPLED ELECTRON TRANSFER. <i>Annual Review of Physical Chemistry</i> , 1998, 49, 337-369.	10.8	797
261	Die Amidinium-Carboxylat-Salzbriicke als Protonenbertragungsschnittstelle fuer Elektronentransferpfade. <i>Angewandte Chemie</i> , 1997, 109, 2216-2219.	2.0	9
262	Photoinduced Electron Transfer within a Donor-Acceptor Pair Juxtaposed by a Salt Bridge. <i>Journal of the American Chemical Society</i> , 1995, 117, 8051-8052.	13.7	148
263	Photoinduced electron transfer mediated by a hydrogen-bonded interface. <i>Journal of the American Chemical Society</i> , 1992, 114, 4013-4015.	13.7	243
264	The Relation between Hydrogen Atom Transfer and Proton-coupled Electron Transfer in Model Systems. , 0, , 503-562.		8