

Marc Fontecave

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6231614/publications.pdf>

Version: 2024-02-01

251
papers

25,770
citations

6486

82
h-index

8878

150
g-index

370
all docs

370
docs citations

370
times ranked

22910
citing authors

#	ARTICLE	IF	CITATIONS
1	Splitting Water with Cobalt. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7238-7266.	7.2	1,231
2	From Hydrogenases to Noble Metal-Free Catalytic Nanomaterials for H ₂ Production and Uptake. <i>Science</i> , 2009, 326, 1384-1387.	6.0	886
3	A Janus cobalt-based catalytic material for electro-splitting of water. <i>Nature Materials</i> , 2012, 11, 802-807.	13.3	784
4	Engineering the Optical Response of the Titanium-MIL-125 Metal-Organic Framework through Ligand Functionalization. <i>Journal of the American Chemical Society</i> , 2013, 135, 10942-10945.	6.6	701
5	Biomimetic assembly and activation of [FeFe]-hydrogenases. <i>Nature</i> , 2013, 499, 66-69.	13.7	597
6	Bio-inspired hydrophobicity promotes CO ₂ reduction on a Cu surface. <i>Nature Materials</i> , 2019, 18, 1222-1227.	13.3	507
7	S-adenosylmethionine: nothing goes to waste. <i>Trends in Biochemical Sciences</i> , 2004, 29, 243-249.	3.7	496
8	Solar fuels generation and molecular systems: is it homogeneous or heterogeneous catalysis?. <i>Chemical Society Reviews</i> , 2013, 42, 2338-2356.	18.7	437
9	Mimicking hydrogenases: From biomimetics to artificial enzymes. <i>Coordination Chemistry Reviews</i> , 2014, 270-271, 127-150.	9.5	426
10	Molecular polypyridine-based metal complexes as catalysts for the reduction of CO ₂ . <i>Chemical Society Reviews</i> , 2017, 46, 761-796.	18.7	426
11	Cobaloxime-Based Photocatalytic Devices for Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 564-567.	7.2	400
12	Proton Electroreduction Catalyzed by Cobaloximes: Functional Models for Hydrogenases. <i>Inorganic Chemistry</i> , 2005, 44, 4786-4795.	1.9	389
13	Cobalt and nickel diimine-dioxime complexes as molecular electrocatalysts for hydrogen evolution with low overvoltages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20627-20632.	3.3	388
14	H ₂ Evolution and Molecular Electrocatalysts: Determination of Overpotentials and Effect of Homoconjugation. <i>Inorganic Chemistry</i> , 2010, 49, 10338-10347.	1.9	380
15	Electroreduction of CO ₂ on Single-Site Copper-Nitrogen-Doped Carbon Material: Selective Formation of Ethanol and Reversible Restructuration of the Metal Sites. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15098-15103.	7.2	369
16	Electrochemical Reduction of CO ₂ Catalyzed by Fe-N-C Materials: A Structure-Selectivity Study. <i>ACS Catalysis</i> , 2017, 7, 1520-1525.	5.5	363
17	Cobaloximes as Functional Models for Hydrogenases. 2. Proton Electroreduction Catalyzed by Difluoroborylbis(dimethylglyoximate)cobalt(II) Complexes in Organic Media. <i>Inorganic Chemistry</i> , 2007, 46, 1817-1824.	1.9	350
18	Molecular engineering of a cobalt-based electrocatalytic nanomaterial for H ₂ evolution under fully aqueous conditions. <i>Nature Chemistry</i> , 2013, 5, 48-53.	6.6	349

#	ARTICLE	IF	CITATIONS
19	Some general principles for designing electrocatalysts with hydrogenase activity. <i>Coordination Chemistry Reviews</i> , 2005, 249, 1518-1535.	9.5	321
20	Spontaneous activation of [FeFe]-hydrogenases by an inorganic [2Fe] active site mimic. <i>Nature Chemical Biology</i> , 2013, 9, 607-609.	3.9	316
21	Mechanistic Understanding of CO ₂ Reduction Reaction (CO ₂ RR) Toward Multicarbon Products by Heterogeneous Copper-Based Catalysts. <i>ACS Catalysis</i> , 2020, 10, 1754-1768.	5.5	309
22	Artificial photosynthesis as a frontier technology for energy sustainability. <i>Energy and Environmental Science</i> , 2013, 6, 1074.	15.6	284
23	Artificial Photosynthesis: From Molecular Catalysts for Light-driven Water Splitting to Photoelectrochemical Cells. <i>Photochemistry and Photobiology</i> , 2011, 87, 946-964.	1.3	273
24	A Fully Noble Metal-Free Photosystem Based on Cobalt-Polyoxometalates Immobilized in a Porphyrinic Metal-Organic Framework for Water Oxidation. <i>Journal of the American Chemical Society</i> , 2018, 140, 3613-3618.	6.6	272
25	Molecular Cobalt Complexes with Pendant Amines for Selective Electrocatalytic Reduction of Carbon Dioxide to Formic Acid. <i>Journal of the American Chemical Society</i> , 2017, 139, 3685-3696.	6.6	256
26	Noncovalent Modification of Carbon Nanotubes with Pyrene-functionalized Nickel Complexes: Carbon Monoxide Tolerant Catalysts for Hydrogen Evolution and Uptake. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1371-1374.	7.2	254
27	Gas diffusion electrodes, reactor designs and key metrics of low-temperature CO ₂ electrolyzers. <i>Nature Energy</i> , 2022, 7, 130-143.	19.8	237
28	Iron and activated oxygen species in biology: the basic chemistry. , 1999, 12, 195-199.		227
29	Efficient H ₂ -producing photocatalytic systems based on cyclometalated iridium- and tricarbonylrhenium-diimine photosensitizers and cobaloxime catalysts. <i>Dalton Transactions</i> , 2008, , 5567.	1.6	226
30	A Dendritic Nanostructured Copper Oxide Electrocatalyst for the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4792-4796.	7.2	201
31	Maximizing the Photocatalytic Activity of Metal-Organic Frameworks with Aminated-Functionalized Linkers: Substoichiometric Effects in MIL-125-NH ₂ . <i>Journal of the American Chemical Society</i> , 2017, 139, 8222-8228.	6.6	195
32	Biogenesis of Fe-S Cluster by the Bacterial Suf System. <i>Journal of Biological Chemistry</i> , 2003, 278, 38352-38359.	1.6	194
33	Iron-sulfur clusters: ever-expanding roles. <i>Nature Chemical Biology</i> , 2006, 2, 171-174.	3.9	192
34	Water electrolysis and photoelectrolysis on electrodes engineered using biological and bio-inspired molecular systems. <i>Energy and Environmental Science</i> , 2010, 3, 727.	15.6	192
35	Biological Radical Sulfur Insertion Reactions. <i>Chemical Reviews</i> , 2003, 103, 2149-2166.	23.0	178
36	Photocatalytic Carbon Dioxide Reduction with Rhodium-based Catalysts in Solution and Heterogenized within Metal-Organic Frameworks. <i>ChemSusChem</i> , 2015, 8, 603-608.	3.6	177

#	ARTICLE	IF	CITATIONS
37	Iron-Sulfur Cluster Assembly. <i>Journal of Biological Chemistry</i> , 2001, 276, 22604-22607.	1.6	176
38	NAD(P)H:flavin oxidoreductase of <i>Escherichia coli</i> . A ferric iron reductase participating in the generation of the free radical of ribonucleotide reductase.. <i>Journal of Biological Chemistry</i> , 1987, 262, 12325-12331.	1.6	172
39	Cobalt Stress in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 30442-30451.	1.6	160
40	Iron-sulfur cluster biosynthesis in bacteria: Mechanisms of cluster assembly and transfer. <i>Archives of Biochemistry and Biophysics</i> , 2008, 474, 226-237.	1.4	159
41	Iron-Sulfur Cluster Biosynthesis. <i>Journal of Biological Chemistry</i> , 2006, 281, 16256-16263.	1.6	156
42	Terpyridine complexes of first row transition metals and electrochemical reduction of CO ₂ to CO. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 13635-13644.	1.3	154
43	Turning it off! Disfavouring hydrogen evolution to enhance selectivity for CO production during homogeneous CO ₂ reduction by cobalt-terpyridine complexes. <i>Chemical Science</i> , 2015, 6, 2522-2531.	3.7	152
44	MiaB Protein Is a Bifunctional Radical-S-Adenosylmethionine Enzyme Involved in Thiolation and Methylation of tRNA. <i>Journal of Biological Chemistry</i> , 2004, 279, 47555-47563.	1.6	149
45	Biochemical characterization of the HydE and HydG iron-only hydrogenase maturation enzymes from <i>Thermotoga maritima</i> . <i>FEBS Letters</i> , 2005, 579, 5055-5060.	1.3	142
46	Modelling NiFe hydrogenases: nickel-based electrocatalysts for hydrogen production. <i>Dalton Transactions</i> , 2008, , 315-325.	1.6	142
47	SufE Transfers Sulfur from SufS to SufB for Iron-Sulfur Cluster Assembly. <i>Journal of Biological Chemistry</i> , 2007, 282, 13342-13350.	1.6	140
48	Co-immobilization of a Rh Catalyst and a Keggin Polyoxometalate in the UiO-67 Zr-Based Metal-Organic Framework: In Depth Structural Characterization and Photocatalytic Properties for CO ₂ Reduction. <i>Journal of the American Chemical Society</i> , 2020, 142, 9428-9438.	6.6	138
49	Activation of the Anaerobic Ribonucleotide Reductase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1997, 272, 24216-24223.	1.6	137
50	ErpA, an iron-sulfur (Fe-S) protein of the A-type essential for respiratory metabolism in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13626-13631.	3.3	134
51	The role of the maturase HydG in [FeFe]-hydrogenase active site synthesis and assembly. <i>FEBS Letters</i> , 2009, 583, 506-511.	1.3	134
52	The Free Radical of the Anaerobic Ribonucleotide Reductase from <i>Escherichia coli</i> Is at Glycine 681. <i>Journal of Biological Chemistry</i> , 1996, 271, 6827-6831.	1.6	133
53	Chemistry for an essential biological process: the reduction of ferric iron. <i>BioMetals</i> , 2002, 15, 341-346.	1.8	133
54	NfuA, a New Factor Required for Maturing Fe/S Proteins in <i>Escherichia coli</i> under Oxidative Stress and Iron Starvation Conditions. <i>Journal of Biological Chemistry</i> , 2008, 283, 14084-14091.	1.6	132

#	ARTICLE	IF	CITATIONS
55	Electrochemical CO ₂ Reduction to Ethanol with Copper-Based Catalysts. ACS Energy Letters, 2021, 6, 694-706.	8.8	130
56	Porous dendritic copper: an electrocatalyst for highly selective CO ₂ reduction to formate in water/ionic liquid electrolyte. Chemical Science, 2017, 8, 742-747.	3.7	128
57	Low-cost high-efficiency system for solar-driven conversion of CO ₂ to hydrocarbons. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9735-9740.	3.3	126
58	Biosynthesis and physiology of coenzyme Q in bacteria. Biochimica Et Biophysica Acta - Bioenergetics, 2014, 1837, 1004-1011.	0.5	123
59	The [Fe-Fe]-Hydrogenase Maturation Protein HydF from Thermotoga maritima Is a GTPase with an Iron-Sulfur Cluster. Journal of Biological Chemistry, 2006, 281, 769-774.	1.6	119
60	X-ray Structure of the [FeFe]-Hydrogenase Maturase HydE from Thermotoga maritima. Journal of Biological Chemistry, 2008, 283, 18861-18872.	1.6	119
61	Iron-Sulfur (Fe-S) Cluster Assembly. Journal of Biological Chemistry, 2010, 285, 23331-23341.	1.6	119
62	Two Fe-S clusters catalyze sulfur insertion by radical-SAM methylthiotransferases. Nature Chemical Biology, 2013, 9, 333-338.	3.9	113
63	MiaB, a Bifunctional Radical-S-Adenosylmethionine Enzyme Involved in the Thiolation and Methylation of tRNA, Contains Two Essential [4Fe-4S] Clusters. Biochemistry, 2007, 46, 5140-5147.	1.2	111
64	Identification of Eukaryotic and Prokaryotic Methylthiotransferase for Biosynthesis of 2-Methylthio-N ⁶ -threonylcarbamoyladenosine in tRNA. Journal of Biological Chemistry, 2010, 285, 28425-28433.	1.6	111
65	The Mechanism and Substrate Specificity of the NADPH:Flavin Oxidoreductase from Escherichia coli. Journal of Biological Chemistry, 1995, 270, 30392-30400.	1.6	109
66	Iron-Sulfur Center of Biotin Synthase and Lipoate Synthase. Biochemistry, 2000, 39, 4165-4173.	1.2	107
67	Physiologically relevant reconstitution of iron-sulfur cluster biosynthesis uncovers persulfide-processing functions of ferredoxin-2 and frataxin. Nature Communications, 2019, 10, 3566.	5.8	107
68	Ferric reductases or flavin reductases?. BioMetals, 1994, 7, 3-8.	1.8	103
69	Mechanisms of iron-sulfur cluster assembly: the SUF machinery. Journal of Biological Inorganic Chemistry, 2005, 10, 713-721.	1.1	102
70	A structural and functional mimic of the active site of NiFe hydrogenases. Chemical Communications, 2010, 46, 5876.	2.2	101
71	Enzymatic Modification of tRNAs. Journal of Biological Chemistry, 2002, 277, 13367-13370.	1.6	98
72	Phosphine Coordination to a Cobalt Diimine-Dioxime Catalyst Increases Stability during Light-Driven H ₂ Production. Inorganic Chemistry, 2012, 51, 2115-2120.	1.9	98

#	ARTICLE	IF	CITATIONS
73	Chiral-at-Metal Complexes as Asymmetric Catalysts. , 0, , 271-288.		96
74	Analysis of the Heteromeric CsdA-CsdE Cysteine Desulfurase, Assisting Fe-S Cluster Biogenesis in Escherichia coli. Journal of Biological Chemistry, 2005, 280, 26760-26769.	1.6	96
75	A Computational Study of the Mechanism of Hydrogen Evolution by Cobalt(Diimineâ€Dioxime) Catalysts. Chemistry - A European Journal, 2013, 19, 15166-15174.	1.7	91
76	Mechanistic studies of the SufS-SufE cysteine desulfurase: evidence for sulfur transfer from SufS to SufE. FEBS Letters, 2003, 555, 263-267.	1.3	90
77	Characterization of Arabidopsis thaliana SufE2 and SufE3. Journal of Biological Chemistry, 2007, 282, 18254-18264.	1.6	89
78	Native Escherichia coli SufA, Coexpressed with SufBCDSE, Purifies as a [2Feâˆ²S] Protein and Acts as an Feâˆ²S Transporter to Feâˆ²S Target Enzymes. Journal of the American Chemical Society, 2009, 131, 6149-6153.	6.6	89
79	Adenosylmethionine as a source of 5â€²-deoxyadenosyl radicals. Current Opinion in Chemical Biology, 2001, 5, 506-512.	2.8	88
80	High-Current-Density CO2-to-CO Electroreduction on Ag-Alloyed Zn Dendrites at Elevated Pressure. Joule, 2020, 4, 395-406.	11.7	88
81	Formate is the hydrogen donor for the anaerobic ribonucleotide reductase from Escherichia coli.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 8759-8762.	3.3	87
82	Quinolate synthetase, an iron-sulfur enzyme in NAD biosynthesis. FEBS Letters, 2005, 579, 3737-3743.	1.3	87
83	Cobalt stress in Escherichia coli and Salmonella enterica: molecular bases for toxicity and resistance. Metallomics, 2011, 3, 1130.	1.0	87
84	Crystal Structure of NAD(P)H:Flavin Oxidoreductase from Escherichia coli,. Biochemistry, 1999, 38, 7040-7049.	1.2	86
85	SufA/IscA: reactivity studies of a class of scaffold proteins involved in [Fe-S] cluster assembly. Journal of Biological Inorganic Chemistry, 2004, 9, 828-838.	1.1	86
86	A Bioinspired Nickel(bis-dithiolene) Complex as a Homogeneous Catalyst for Carbon Dioxide Electroreduction. ACS Catalysis, 2018, 8, 2030-2038.	5.5	86
87	SufA from Erwinia chrysanthemi. Journal of Biological Chemistry, 2003, 278, 17993-18001.	1.6	85
88	The Anaerobic Escherichia coli Ribonucleotide Reductase. Journal of Biological Chemistry, 1996, 271, 9410-9416.	1.6	83
89	The anaerobic ribonucleoside triphosphate reductase from Escherichia coli requires S-adenosylmethionine as a cofactor.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 3314-3318.	3.3	80
90	Molecular organization, biochemical function, cellular role and evolution of NfuA, an atypical Feâ€S carrier. Molecular Microbiology, 2012, 86, 155-171.	1.2	80

#	ARTICLE	IF	CITATIONS
91	Cobaloxime-Based Artificial Hydrogenases. <i>Inorganic Chemistry</i> , 2014, 53, 8071-8082.	1.9	78
92	Enantioselective Sulfoxidation as a Probe for a Metal-Based Mechanism in H ₂ O ₂ -Dependent Oxidations Catalyzed by a Diiron Complex. <i>Inorganic Chemistry</i> , 1999, 38, 1261-1268.	1.9	76
93	Benchmarking of oxygen evolution catalysts on porous nickel supports. <i>Joule</i> , 2021, 5, 1281-1300.	11.7	74
94	Artificial hydrogenases: biohybrid and supramolecular systems for catalytic hydrogen production or uptake. <i>Current Opinion in Chemical Biology</i> , 2015, 25, 36-47.	2.8	71
95	Versatile functionalization of carbon electrodes with a polypyridine ligand: metallation and electrocatalytic H ⁺ and CO ₂ reduction. <i>Chemical Communications</i> , 2015, 51, 2995-2998.	2.2	70
96	From molecular copper complexes to composite electrocatalytic materials for selective reduction of CO ₂ to formic acid. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3901-3907.	5.2	69
97	Solar-Driven Electrochemical CO ₂ Reduction with Heterogeneous Catalysts. <i>Advanced Energy Materials</i> , 2021, 11, 2002652.	10.2	67
98	[Ni(xbsms)Ru(CO) ₂ Cl ₂]: A Bioinspired Nickel-Ruthenium Functional Model of [NiFe] Hydrogenase. <i>Inorganic Chemistry</i> , 2006, 45, 4334-4336.	1.9	66
99	The NAD(P)H:flavin oxidoreductase from <i>Escherichia coli</i> as a source of superoxide radicals. <i>Journal of Biological Chemistry</i> , 1994, 269, 8182-8188.	1.6	66
100	Spectroscopic Characterization of the Bridging Amine in the Active Site of [FeFe] Hydrogenase Using Isotopologues of the H-Cluster. <i>Journal of the American Chemical Society</i> , 2015, 137, 12744-12747.	6.6	64
101	From Enzyme Maturation to Synthetic Chemistry: The Case of Hydrogenases. <i>Accounts of Chemical Research</i> , 2015, 48, 2380-2387.	7.6	63
102	Assembly of 2Fe-2S and 4Fe-4S Clusters in the Anaerobic Ribonucleotide Reductase from <i>Escherichia coli</i> . <i>Journal of the American Chemical Society</i> , 1999, 121, 6344-6350.	6.6	62
103	DNA Repair and Free Radicals, New Insights into the Mechanism of Spore Photoproduct Lyase Revealed by Single Amino Acid Substitution. <i>Journal of Biological Chemistry</i> , 2008, 283, 36361-36368.	1.6	62
104	Cyclopentadienyl Ruthenium-Nickel Catalysts for Biomimetic Hydrogen Evolution: Electrocatalytic Properties and Mechanistic DFT Studies. <i>Chemistry - A European Journal</i> , 2009, 15, 9350-9364.	1.7	61
105	Carbon-Nanotube-Supported Copper Polyphthalocyanine for Efficient and Selective Electrocatalytic CO ₂ Reduction to CO. <i>ChemSusChem</i> , 2020, 13, 173-179.	3.6	60
106	Reductive Cleavage of S-Adenosylmethionine by Biotin Synthase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 13449-13454.	1.6	59
107	MiaB Protein from <i>Thermotoga maritima</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 29515-29524.	1.6	59
108	Dinuclear Nickel-Ruthenium Complexes as Functional Bio-Inspired Models of [NiFe] Hydrogenases. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 2613-2626.	1.0	59

#	ARTICLE	IF	CITATIONS
109	Post-translational Modification of Ribosomal Proteins. <i>Journal of Biological Chemistry</i> , 2010, 285, 5792-5801.	1.6	59
110	The Activating Component of the Anaerobic Ribonucleotide Reductase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 15669-15675.	1.6	58
111	Thin Films of Fully Noble Metal-Free POM@MOF for Photocatalytic Water Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47837-47845.	4.0	58
112	The Anaerobic Ribonucleotide Reductase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 31291-31296.	1.6	57
113	A genetic analysis of the response of <i>Escherichia coli</i> to cobalt stress. <i>Environmental Microbiology</i> , 2010, 12, 2846-2857.	1.8	57
114	TtcA a new tRNA-thioltransferase with an Fe-S cluster. <i>Nucleic Acids Research</i> , 2014, 42, 7960-7970.	6.5	57
115	Immobilization of a Full Photosystem in the Large-Pore MIL-101 Metal-Organic Framework for CO ₂ reduction. <i>ChemSusChem</i> , 2018, 11, 3315-3322.	3.6	57
116	The lipoate synthase from <i>Escherichia coli</i> is an iron-sulfur protein. <i>FEBS Letters</i> , 1999, 453, 25-28.	1.3	56
117	Mesoporous γ -Fe ₂ O ₃ thin films synthesized via the sol-gel process for light-driven water oxidation. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13224.	1.3	55
118	Combined Experimental-Theoretical Characterization of the Hydrido-Cobaloxime [HCo(dmgh) ₂ (PnBu ₃)]. <i>Inorganic Chemistry</i> , 2012, 51, 7087-7093.	1.9	55
119	Keeping sight of copper in single-atom catalysts for electrochemical carbon dioxide reduction. <i>Nature Communications</i> , 2022, 13, 2280.	5.8	55
120	Catalytic hydrogen production by a Ni-Ru mimic of NiFe hydrogenases involves a proton-coupled electron transfer step. <i>Chemical Communications</i> , 2013, 49, 5004.	2.2	54
121	Biotin Synthase Is a Pyridoxal Phosphate-Dependent Cysteine Desulfurase. <i>Biochemistry</i> , 2002, 41, 9145-9152.	1.2	53
122	The CsdA cysteine desulphurase promotes Fe/S biogenesis by recruiting Suf components and participates to a new sulphur transfer pathway by recruiting CsdL (ex-YgdL), a ubiquitin-like protein. <i>Molecular Microbiology</i> , 2009, 74, 1527-1542.	1.2	52
123	S-Adenosylmethionine-dependent radical-based modification of biological macromolecules. <i>Current Opinion in Structural Biology</i> , 2010, 20, 684-692.	2.6	52
124	Synthesis, Characterization, and DFT Analysis of Bis-Terpyridyl-Based Molecular Cobalt Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 5930-5940.	1.9	52
125	Dinucleotide Spore Photoproduct, a Minimal Substrate of the DNA Repair Spore Photoproduct Lyase Enzyme from <i>Bacillus subtilis</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 26922-26931.	1.6	51
126	Effect of Cations on the Structure and Electrocatalytic Response of Polyoxometalate-Based Coordination Polymers. <i>Crystal Growth and Design</i> , 2017, 17, 1600-1609.	1.4	50

#	ARTICLE	IF	CITATIONS
127	Zn-Cu Alloy Nanofoams as Efficient Catalysts for the Reduction of CO ₂ to Syngas Mixtures with a Potential Independent H ₂ /CO Ratio. <i>ChemSusChem</i> , 2019, 12, 511-517.	3.6	49
128	Rhenium Complexes Based on 2-Pyridyl-1,2,3-triazole Ligands: A New Class of CO ₂ Reduction Catalysts. <i>Inorganic Chemistry</i> , 2017, 56, 2966-2976.	1.9	48
129	Engineering an [FeFe]-Hydrogenase: Do Accessory Clusters Influence O ₂ Resistance and Catalytic Bias?. <i>Journal of the American Chemical Society</i> , 2018, 140, 5516-5526.	6.6	48
130	Deoxyribonucleotide synthesis in anaerobic microorganisms: The class III ribonucleotide reductase. <i>Progress in Molecular Biology and Translational Science</i> , 2002, 72, 95-127.	1.9	47
131	The NAD(P)H:flavin oxidoreductase from <i>Escherichia coli</i> as a source of superoxide radicals. <i>Journal of Biological Chemistry</i> , 1994, 269, 8182-8.	1.6	47
132	Activation of Class III Ribonucleotide Reductase from <i>E. coli</i> . The Electron Transfer from the Iron-Sulfur Center to S-Adenosylmethionine. <i>Biochemistry</i> , 2001, 40, 6713-6719.	1.2	46
133	A Soluble Metabolon Synthesizes the Isoprenoid Lipid Ubiquinone. <i>Cell Chemical Biology</i> , 2019, 26, 482-492.e7.	2.5	46
134	Activation of Class III Ribonucleotide Reductase by Flavodoxin: A Protein Radical-Driven Electron Transfer to the Iron-Sulfur Center. <i>Biochemistry</i> , 2001, 40, 3730-3736.	1.2	45
135	The iron-sulfur center of biotin synthase: site-directed mutants. <i>Journal of Biological Inorganic Chemistry</i> , 2002, 7, 83-93.	1.1	45
136	Chiral-at-Metal Ruthenium Complex as a Metalloligand for Asymmetric Catalysis. <i>Inorganic Chemistry</i> , 2007, 46, 5354-5360.	1.9	45
137	ubil, a New Gene in <i>Escherichia coli</i> Coenzyme Q Biosynthesis, Is Involved in Aerobic C5-hydroxylation. <i>Journal of Biological Chemistry</i> , 2013, 288, 20085-20092.	1.6	45
138	Electro-Assisted Reduction of CO ₂ to CO and Formaldehyde by (TOA) ₆ [\pm SiW ₁₁ O ₃₉ Co()] Polyoxometalate. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 3642-3648.	1.0	45
139	A Bioinspired Molybdenum Complex as a Catalyst for the Photo- and Electroreduction of Protons. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14090-14093.	7.2	45
140	CO ₂ Reduction to CO in Water: Carbon Nanotube-Gold Nanohybrid as a Selective and Efficient Electrocatalyst. <i>ChemSusChem</i> , 2016, 9, 2317-2320.	3.6	45
141	tRNA-modifying MiaE protein from <i>Salmonella typhimurium</i> is a nonheme diiron monooxygenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13295-13300.	3.3	44
142	Nonredox thiolation in tRNA occurring via sulfur activation by a [4Fe-4S] cluster. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 7355-7360.	3.3	44
143	<i>In vivo</i> [<i>F</i> - <i>S</i>] cluster acquisition by <i>IscR</i> and <i>NsrR</i> , two stress regulators in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2013, 87, 493-508.	1.2	43
144	Electroreduction of CO ₂ on Single-Site Copper-Nitrogen-Doped Carbon Material: Selective Formation of Ethanol and Reversible Restructuration of the Metal Sites. <i>Angewandte Chemie</i> , 2019, 131, 15242-15247.	1.6	43

#	ARTICLE	IF	CITATIONS
145	The SUF iron-sulfur cluster biosynthetic machinery: Sulfur transfer from the SUFS-SUFE complex to SUFA. <i>FEBS Letters</i> , 2007, 581, 1362-1368.	1.3	42
146	4-Demethylwyosine Synthase from <i>Pyrococcus abyssi</i> Is a Radical-S-adenosyl-L-methionine Enzyme with an Additional [4Fe-4S] ⁺² Cluster That Interacts with the Pyruvate Co-substrate. <i>Journal of Biological Chemistry</i> , 2012, 287, 41174-41185.	1.6	42
147	Site-isolated manganese carbonyl on bipyridine-functionalities of periodic mesoporous organosilicas: efficient CO ₂ photoreduction and detection of key reaction intermediates. <i>Chemical Science</i> , 2017, 8, 8204-8213.	3.7	42
148	Bimetallic effects on Zn-Cu electrocatalysts enhance activity and selectivity for the conversion of CO ₂ to CO. <i>Chem Catalysis</i> , 2021, 1, 663-680.	2.9	42
149	A Dendritic Nanostructured Copper Oxide Electrocatalyst for the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2017, 129, 4870-4874.	1.6	41
150	Designing a Zn-Ag Catalyst Matrix and Electrolyzer System for CO ₂ Conversion to CO and Beyond. <i>Advanced Materials</i> , 2022, 34, e2103963.	11.1	41
151	Pyranopterin Related Dithiolene Molybdenum Complexes as Homogeneous Catalysts for CO ₂ Photoreduction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17033-17037.	7.2	40
152	A bioinspired molybdenum-copper molecular catalyst for CO ₂ electroreduction. <i>Chemical Science</i> , 2020, 11, 5503-5510.	3.7	40
153	The spore photoproduct lyase repairs the 5S- and not the 5R-configured spore photoproduct DNA lesion. <i>Chemical Communications</i> , 2006, , 445-447.	2.2	39
154	Mechanism of hydrogen evolution catalyzed by NiFe hydrogenases: insights from a Ni-Ru model compound. <i>Dalton Transactions</i> , 2010, 39, 3043-3049.	1.6	39
155	FAD/Folate-Dependent tRNA Methyltransferase: Flavin as a New Methyl-Transfer Agent. <i>Journal of the American Chemical Society</i> , 2012, 134, 19739-19745.	6.6	39
156	Artificially matured [FeFe] hydrogenase from <i>Chlamydomonas reinhardtii</i> : a HYSORE and ENDOR study of a non-natural H-cluster. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5421-5430.	1.3	39
157	The NAD(P)H:Flavin Oxidoreductase from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1999, 274, 18252-18260.	1.6	38
158	The PLP-dependent biotin synthase from <i>Escherichia coli</i> : mechanistic studies. <i>FEBS Letters</i> , 2002, 532, 465-468.	1.3	38
159	ubil, a New Gene Required for Aerobic Growth and Proliferation in Macrophage, Is Involved in Coenzyme Q Biosynthesis in <i>Escherichia coli</i> and <i>Salmonella enterica</i> Serovar Typhimurium. <i>Journal of Bacteriology</i> , 2014, 196, 70-79.	1.0	38
160	Structural and functional characterization of the hydrogenase-maturation HydF protein. <i>Nature Chemical Biology</i> , 2017, 13, 779-784.	3.9	38
161	Electroreduction of CO ₂ to Formate with Low Overpotential using Cobalt Pyridine Thiolate Complexes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15726-15733.	7.2	38
162	Bioinspired Tungsten Dithiolene Catalysts for Hydrogen Evolution: A Combined Electrochemical, Photochemical, and Computational Study. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13524-13533.	1.2	37

#	ARTICLE	IF	CITATIONS
163	New Cobalt-Bisterpyridyl Catalysts for Hydrogen Evolution Reaction. <i>ChemCatChem</i> , 2017, 9, 2099-2105.	1.8	36
164	Porous Hybrid Polymers as Platforms for Heterogeneous Photochemical Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19994-20002.	4.0	35
165	The UbiK protein is an accessory factor necessary for bacterial ubiquinone (UQ) biosynthesis and forms a complex with the UQ biogenesis factor UbiJ. <i>Journal of Biological Chemistry</i> , 2017, 292, 11937-11950.	1.6	35
166	Crystallization-Induced Asymmetric Transformation of Chiral-at-metal Ruthenium(II) Complexes Bearing Achiral Ligands. <i>Chemistry - A European Journal</i> , 2004, 10, 2548-2554.	1.7	34
167	Ubiquinone Biosynthesis over the Entire O_2 Range: Characterization of a Conserved O_2 -Independent Pathway. <i>MBio</i> , 2019, 10, .	1.8	34
168	Nickel Complexes Based on Molybdopterin-like Dithiolenes: Catalysts for CO_2 Electroreduction. <i>Organometallics</i> , 2019, 38, 1344-1350.	1.1	34
169	Synthesis, crystal structure, magnetic properties and reactivity of a Ni-Ru model of NiFe hydrogenases with a pentacoordinated triplet (S=1) NiII center. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 2866-2869.	0.8	33
170	Dye-sensitized nanostructured crystalline mesoporous tin-doped indium oxide films with tunable thickness for photoelectrochemical applications. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8217.	5.2	33
171	A cobalt complex with a bioinspired molybdopterin-like ligand: a catalyst for hydrogen evolution. <i>Dalton Transactions</i> , 2016, 45, 14754-14763.	1.6	33
172	Cu/Cu ₂ O Electrodes and CO_2 Reduction to Formic Acid: Effects of Organic Additives on Surface Morphology and Activity. <i>Chemistry - A European Journal</i> , 2016, 22, 14029-14035.	1.7	33
173	Is the NAD(P)H:Flavin Oxidoreductase from a Member of the Ferredoxin-NADP+ Reductase Family?. <i>Journal of Biological Chemistry</i> , 1996, 271, 16656-16661.	1.6	32
174	DNA Detection through Signal Amplification by Using NADH:Flavin Oxidoreductase and Oligonucleotide-Flavin Conjugates as Cofactors. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2764-2767.	7.2	31
175	On the Role of Additional [4Fe-4S] Clusters with a Free Coordination Site in Radical-SAM Enzymes. <i>Frontiers in Chemistry</i> , 2017, 5, 17.	1.8	31
176	Controlling Hydrogen Evolution during Photoreduction of CO_2 to Formic Acid Using [Rh(R-bpy)(Cp*)Cl] ⁺ Catalysts: A Structure-Activity Study. <i>Inorganic Chemistry</i> , 2019, 58, 6893-6903.	1.9	31
177	Cp* ⁺ -Ru-Nickel-Based H_2 -Evolving Electrocatalysts as Bio-Inspired Models of NiFe Hydrogenases. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1094-1099.	1.0	30
178	A metal-binding site in the catalytic subunit of anaerobic ribonucleotide reductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 3826-3831.	3.3	29
179	Bioinspired catalysis at the crossroads between biology and chemistry: A remarkable example of an electrocatalytic material mimicking hydrogenases. <i>Comptes Rendus Chimie</i> , 2011, 14, 362-371.	0.2	29
180	Reaction of the NAD(P)H:Flavin Oxidoreductase from <i>Escherichia coli</i> with NADPH and Riboflavin: Identification of Intermediates. <i>Biochemistry</i> , 1998, 37, 11879-11887.	1.2	28

#	ARTICLE	IF	CITATIONS
181	Activation of the Anaerobic Ribonucleotide Reductase by S-Adenosylmethionine. <i>ChemBioChem</i> , 2005, 6, 1960-1962.	1.3	28
182	A Simple and Non-Destructive Method for Assessing the Incorporation of Bipyridine Dicarboxylates as Linkers within Metal-Organic Frameworks. <i>Chemistry - A European Journal</i> , 2016, 22, 3713-3718.	1.7	28
183	The methylthiolation reaction mediated by the Radical-SAM enzymes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 1223-1230.	1.1	27
184	Activation of a Unique Flavin-Dependent tRNA-Methylating Agent. <i>Biochemistry</i> , 2013, 52, 8949-8956.	1.2	27
185	Molecular Investigation of Iron-Sulfur Cluster Assembly Scaffolds under Stress. <i>Biochemistry</i> , 2014, 53, 7867-7869.	1.2	27
186	Functionalization of Carbon Nanotubes with Nickel Cyclam for the Electrochemical Reduction of CO ₂ . <i>ChemSusChem</i> , 2020, 13, 6449-6456.	3.6	27
187	Understanding the Photocatalytic Reduction of CO ₂ with Heterometallic Molybdenum(V) Phosphate Polyoxometalates in Aqueous Media. <i>ACS Catalysis</i> , 2022, 12, 453-464.	5.5	27
188	Method for Preparing New Flavin Derivatives: Synthesis of Flavin-Thymine Nucleotides and Flavin-Oligonucleotide Adducts. <i>Journal of Organic Chemistry</i> , 1997, 62, 3520-3528.	1.7	26
189	The [4Fe-4S] cluster of quinolinate synthase from <i>Escherichia coli</i> : Investigation of cluster ligands. <i>FEBS Letters</i> , 2008, 582, 2937-2944.	1.3	26
190	Chemical assembly of multiple metal cofactors: The heterologously expressed multidomain [FeFe]-hydrogenase from <i>Megasphaera elsdenii</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1734-1740.	0.5	26
191	Artificial Hydrogenases Based on Cobaloximes and Heme Oxygenase. <i>ChemPlusChem</i> , 2016, 81, 1083-1089.	1.3	25
192	Reactivity of the Excited States of the H-Cluster of FeFe Hydrogenases. <i>Journal of the American Chemical Society</i> , 2016, 138, 13612-13618.	6.6	25
193	The O ₂ -independent pathway of ubiquinone biosynthesis is essential for denitrification in <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 9021-9032.	1.6	25
194	Iron-sulfur interconversions in the anaerobic ribonucleotide reductase from <i>Escherichia coli</i> . <i>Journal of Biological Inorganic Chemistry</i> , 1999, 4, 614-620.	1.1	24
195	Activation of Class III Ribonucleotide Reductase by Thioredoxin. <i>Journal of Biological Chemistry</i> , 2001, 276, 9587-9589.	1.6	24
196	Fluorescent Deazaflavin-Oligonucleotide Probes for Selective Detection of DNA. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 486-489.	7.2	24
197	A Diferric Peroxo Complex with an Unprecedented Spin Configuration: An S=2 System Arising from an S=5/2, 1/2 Pair. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 617-620.	7.2	24
198	Maturation of [FeFe]-hydrogenases: Structures and mechanisms. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 10750-10760.	3.8	24

#	ARTICLE	IF	CITATIONS
199	An EPR/HYSCORE, Mössbauer, and resonance Raman study of the hydrogenase maturation enzyme HydF: a model for N-coordination to [4Fe-4S] clusters. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 75-84.	1.1	24
200	Further Characterization of the [FeFe]-Hydrogenase Maturase HydG. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1121-1127.	1.0	23
201	Carbon Dioxide Reduction: A Bioinspired Catalysis Approach. <i>Accounts of Chemical Research</i> , 2021, 54, 4250-4261.	7.6	23
202	Origin of the Boosting Effect of Polyoxometalates in Photocatalysis: The Case of CO ₂ Reduction by a Rh-Containing Metal-Organic Framework. <i>ACS Catalysis</i> , 2022, 12, 9244-9255.	5.5	22
203	Structural and Functional Characterization of 4-Hydroxyphenylacetate 3-Hydroxylase from <i>Escherichia coli</i> . <i>ChemBioChem</i> , 2020, 21, 163-170.	1.3	21
204	Molecular Inhibition for Selective CO ₂ Conversion. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	21
205	Light-driven bioinspired water splitting: Recent developments in photoelectrode materials. <i>Comptes Rendus Chimie</i> , 2011, 14, 799-810.	0.2	20
206	An integrative computational model for large-scale identification of metalloproteins in microbial genomes: a focus on iron-sulfur cluster proteins. <i>Metallomics</i> , 2014, 6, 1913-1930.	1.0	20
207	Ruthenium-cobalt dinuclear complexes as photocatalysts for CO ₂ reduction. <i>Chemical Communications</i> , 2017, 53, 5040-5043.	2.2	19
208	Shigella IpaA Binding to Talin Stimulates Filopodial Capture and Cell Adhesion. <i>Cell Reports</i> , 2019, 26, 921-932.e6.	2.9	17
209	Bioinspired Artificial [FeFe]-Hydrogenase with a Synthetic H-Cluster. <i>ACS Catalysis</i> , 2019, 9, 4495-4501.	5.5	17
210	Understanding Life as Molecules: Reductionism Versus Vitalism. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4016-4019.	7.2	16
211	Iron-sulfur biology invades tRNA modification: the case of U34 sulfuration. <i>Nucleic Acids Research</i> , 2021, 49, 3997-4007.	6.5	16
212	Selective Ethylene Production from CO ₂ and CO Reduction via Engineering Membrane Electrode Assembly with Porous Dendritic Copper Oxide. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 31933-31941.	4.0	16
213	Structural Evidence for a [4Fe-5S] Intermediate in the Non-Redox Desulfuration of Thiouracil. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 424-431.	7.2	15
214	DNA Detection through Signal Amplification by Using NADH:Flavin Oxidoreductase and Oligonucleotide-Flavin Conjugates as Cofactors. <i>Angewandte Chemie</i> , 2005, 117, 2824-2827.	1.6	14
215	The Zn center of the anaerobic ribonucleotide reductase from <i>E. coli</i> . <i>Journal of Biological Inorganic Chemistry</i> , 2009, 14, 923-933.	1.1	14
216	The flavin reductase ActVB from <i>Streptomyces coelicolor</i> : Characterization of the electron transferase activity of the flavoprotein form. <i>FEBS Letters</i> , 2005, 579, 2817-2820.	1.3	13

#	ARTICLE	IF	CITATIONS
217	Synthesis and Reactivity of a Bioinspired Dithiolene Ligand and its Mo Oxo Complex. <i>Chemistry - A European Journal</i> , 2016, 22, 4447-4453.	1.7	13
218	Spectroscopic investigations of a semi-synthetic [FeFe] hydrogenase with propane di-selenol as bridging ligand in the binuclear subsite: comparison to the wild type and propane di-thiol variants. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 481-491.	1.1	13
219	Electroreduction of CO ₂ to Formate with Low Overpotential using Cobalt Pyridine Thiolate Complexes. <i>Angewandte Chemie</i> , 2020, 132, 15856-15863.	1.6	13
220	Advancing the Anode Compartment for Energy Efficient CO ₂ Reduction at Neutral pH. <i>ChemElectroChem</i> , 2021, 8, 2726-2736.	1.7	13
221	Characterization of the DNA repair spore photoproduct lyase enzyme from <i>Clostridium acetobutylicum</i> : A radical-SAM enzyme. <i>Comptes Rendus Chimie</i> , 2007, 10, 756-765.	0.2	12
222	From Iron and Cysteine to Iron-Sulfur Clusters: the Biogenesis Protein Machineries. <i>EcoSal Plus</i> , 2008, 3, .	2.1	12
223	FeNC catalysts for CO ₂ electroreduction to CO: effect of nanostructured carbon supports. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1833-1840.	2.5	12
224	Flavin-oligonucleotide conjugates: sequence specific photocleavage of DNA. <i>Chemical Communications</i> , 1998, , 2457-2458.	2.2	11
225	Flavin Conjugates for Delivery of Peptide Nucleic Acids. <i>ChemBioChem</i> , 2012, 13, 2593-2598.	1.3	11
226	Theoretical Modeling of Low-Energy Electronic Absorption Bands in Reduced Cobaloximes. <i>ChemPhysChem</i> , 2014, 15, 2951-2958.	1.0	11
227	The unusual ring scission of a quinoxaline-pyran-fused dithiolene system related to molybdopterin. <i>Dalton Transactions</i> , 2017, 46, 4161-4164.	1.6	10
228	Enzyme Activation with a Synthetic Catalytic Coenzyme Intermediate: Nucleotide Methylation by Flavoenzymes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12523-12527.	7.2	10
229	Synthesis, electrochemical and spectroscopic properties of ruthenium(II) complexes containing 2,6-di(1H-imidazo[4,5-f][1,10]phenanthrolin-2-yl)aryl ligands. <i>New Journal of Chemistry</i> , 2016, 40, 1704-1714.	1.4	9
230	Immobilization of a Molecular Re Complex on MOF-derived Hierarchical Porous Carbon for CO ₂ Electroreduction in Water/Ionic Liquid Electrolyte. <i>ChemSusChem</i> , 2020, 13, 6418-6425.	3.6	9
231	Coupling Electrocatalytic CO ₂ Reduction with Thermocatalysis Enables the Formation of a Lactone Monomer. <i>ChemSusChem</i> , 2021, 14, 2198-2204.	3.6	9
232	Dihydrouridine in the Transcriptome: New Life for This Ancient RNA Chemical Modification. <i>ACS Chemical Biology</i> , 2022, 17, 1638-1657.	1.6	9
233	Copper-Substituted NiTiO ₃ Ilmenite-Type Materials for Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31038-31048.	4.0	8
234	A Heterogeneous Recyclable Rhodium-based Catalyst for the Reduction of Pyridine Dinucleotides and Flavins. <i>ChemCatChem</i> , 2020, 12, 1236-1243.	1.8	8

#	ARTICLE	IF	CITATIONS
235	Pyranopterin Related Dithiolene Molybdenum Complexes as Homogeneous Catalysts for CO ₂ Photoreduction. <i>Angewandte Chemie</i> , 2018, 130, 17279-17283.	1.6	7
236	New flavin and deazaflavin oligonucleotide conjugates for the amperometric detection of DNA hybridization. <i>Chemical Communications</i> , 2004, , 1624-1625.	2.2	6
237	Catalytic Transfer of Chiral Information from an Organic Compound to a Coordination Complex. <i>ChemCatChem</i> , 2010, 2, 1533-1534.	1.8	6
238	A Single Molecular Stoichiometric Pd Source for Phase-Selective Synthesis of Crystalline and Amorphous Iron Phosphide Nanocatalysts. <i>ChemNanoMat</i> , 2020, 6, 1208-1219.	1.5	6
239	An enzymatic activation of formaldehyde for nucleotide methylation. <i>Nature Communications</i> , 2021, 12, 4542.	5.8	6
240	Mechanisms of formation of free radicals in biological catalysis. <i>Comptes Rendus De L'Academie Des Sciences - Series IIc: Chemistry</i> , 2001, 4, 531-538.	0.1	5
241	Sequence-Specific Nucleic Acid Damage Induced by Peptide Nucleic Acid Conjugates That Can Be Enzyme-Activated. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6859-6861.	7.2	5
242	New Light on Methylthiolation Reactions. <i>Chemistry and Biology</i> , 2008, 15, 209-210.	6.2	5
243	Electrochemical CO ₂ reduction on Cu single atom catalyst and Cu nanoclusters: an <i>in situ</i> approach. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 15767-15775.	1.3	4
244	From Nickel Foam to Highly Active NiFe-based Oxygen Evolution Catalysts. <i>ChemElectroChem</i> , 2022, 9, .	1.7	3
245	Molecular Inhibition for Selective CO ₂ Conversion. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	3
246	Artificial maturation of [FeFe] hydrogenase in a redox polymer film. <i>Chemical Communications</i> , 2021, 57, 1750-1753.	2.2	2
247	Methylations: A Radical Mechanism. <i>Chemistry and Biology</i> , 2011, 18, 559-561.	6.2	1
248	Iron-Sulfur Clusters in α -Radical SAM-Enzymes: Spectroscopy and Coordination. <i>Biological Magnetic Resonance</i> , 2010, , 53-82.	0.4	1
249	Biological Radical Sulfur Insertion Reactions. <i>ChemInform</i> , 2003, 34, no.	0.1	0
250	Structural Evidence for a [4Fe-5S] Intermediate in the Non-Redox Desulfuration of Thiouracil. <i>Angewandte Chemie</i> , 2021, 133, 428-435.	1.6	0
251	A Soluble Metabolon Synthesizes the Isoprenoid Lipid Ubiquinone. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0