Philippe Schollhammer

List of Publications by Citations

Source: https://exaly.com/author-pdf/1514861/philippe-schollhammer-publications-by-citations.pdf
Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113 papers	3,538 citations	31 h-index	56 g-index
123 ext. papers	3,764 ext. citations	4.6 avg, IF	4.77 L-index

#	Paper	IF	Citations
113	Electron and proton transfers at diiron dithiolate sites relevant to the catalysis of proton reduction by the [FeFe]-hydrogenases. *Coordination Chemistry Reviews*, **2009**, 253, 1476-1494	23.2	279
112	Catalysis of the electrochemical H2 evolution by di-iron sub-site models. *Coordination Chemistry Reviews*, **2005**, 249, 1664-1676	23.2	231
111	Evidence for the formation of terminal hydrides by protonation of an asymmetric iron hydrogenase active site mimic. *Inorganic Chemistry*, **2007**, 46, 3426-8	5.1	196
110	N-Heterocyclic Carbene Ligands as Cyanide Mimics in Diiron Models of the All-Iron Hydrogenase Active Site. *Organometallics*, **2005**, 24, 2020-2022	3.8	146
109	N-Heterocyclic Carbene Ligands in Nonsymmetric Diiron Models of Hydrogenase Active Sites. *Organometallics*, **2007**, 26, 2042-2052	3.8	136
108	Influence of a pendant amine in the second coordination sphere on proton transfer at a dissymmetrically disubstituted diiron system related to the [2Fe]H subsite of [FeFe]H2ase. *Inorganic Chemistry*, **2009**, 48, 2-4	5.1	133
107	Electrochemical proton reduction by thiolate-bridged hexacarbonyldiiron clusters. *Journal of Electroanalytical Chemistry*, **2004**, 566, 241-247	4.1	123
106	Activation of proton by the two-electron reduction of a di-iron organometallic complex. *Journal of Electroanalytical Chemistry*, **2006**, 595, 47-52	4.1	106
105	Electrochemical insights into the mechanisms of proton reduction by [Fe2(CO)6{micro-SCH2N(R)CH2S}] complexes related to the [2Fe](H) subsite of [FeFe]hydrogenase. *Chemistry - A European Journal*, **2008**, 14, 1954-64	4.8	92
104	Electrochemical and theoretical investigations of the reduction of [Fe2(CO)5L{□SCH2XCH2S}] complexes related to [FeFe] hydrogenase. *New Journal of Chemistry*, **2007**, 31, 2052	3.6	89
103	Electron-transfer-catalyzed rearrangement of unsymmetrically substituted diiron dithiolate complexes related to the active site of the [FeFe]-hydrogenases. *Inorganic Chemistry*, **2007**, 46, 9863-72	5.1	88
102	Organometallic Diiron Complex Chemistry Related to the [2Fe]H Subsite of [FeFe]H2ase. *European Journal of Inorganic Chemistry*, **2008**, 2008, 4671-4681	2.3	67
101	Di-iron aza diphosphido complexes: mimics for the active site of Fe-only hydrogenase, and effects of changing the coordinating atoms of the bridging ligand in [Fe2[mu-(ECH2)2NR](CO)6]. *Inorganic Chemistry*, **2004**, 43, 8203-5	5.1	65
100	Use of 1,10-phenanthroline in diiron dithiolate derivatives related to the [Fe-Fe] hydrogenase active site. *Dalton Transactions*, **2007**, 3754-6	4.3	61
99	Electrochemical proton reduction at mild potentials by monosubstituted diiron organometallic complexes bearing a benzenedithiolate bridge. *Journal of Electroanalytical Chemistry*, **2007**, 603, 15-20	4.1	61
98	Dinuclear molybdenum thiolato-bridged compounds: syntheses, reactivities and electrochemical studies of site□substrate interactions. *Coordination Chemistry Reviews*, **1998**, 178-180, 203-247	23.2	56
97	Chemically modified electrode based on an organometallic model of the [FeFe] hydrogenase active center. *Electrochemistry Communications*, **2005**, 7, 427-430	5.1	52

96	Reactions of Di- and Polynuclear Complexes. 14. Synthesis of Permethylated-Cyclopentadienyl Chalcogeno-Bridged Compounds: A Route to the Stable Thiolatosulfidocarbonyldimolybdenum(III) Complex [Cp*2Mo2(CO)2(.mu.-SMe)2(.mu.-S)]. Crystal Structure Determination of [Cp*2Mo2(CO)2(.mu.-SMe)2(.mu.-SH)][BF4]. *Organometallics*, **1995**, 14, 2277-2287	3.8	51
95	New Fe(I) -Fe(I) complex featuring a rotated conformation related to the [2 Fe](H) subsite of [Fe-Fe] hydrogenase. *Chemistry - A European Journal*, **2013**, 19, 15458-61	4.8	49
94	Effect of electron-withdrawing dithiolate bridge on the electron-transfer steps in diiron molecules related to [2Fe](H) subsite of the [FeFe]-hydrogenases. *Inorganic Chemistry*, **2010**, 49, 2496-501	5.1	47
93	Modeling [FeFe] hydrogenase: Synthesis and protonation of a diiron dithiolate complex containing a phosphine-N-heterocyclic-carbene ligand. *Journal of Organometallic Chemistry*, **2009**, 694, 2801-2807	2.3	46
92	On the electrochemistry of diiron dithiolate complexes related to the active site of the [FeFe]H2ase. *Comptes Rendus Chimie*, **2008**, 11, 842-851	2.7	46
91	First insights into the protonation of dissymetrically disubstituted di-iron azadithiolate models of the [FeFe]H2ases active site. *Chemical Communications*, **2008**, 2547-9	5.8	46
90	Electrochemical study of the role of a H-bridged, unsymmetrically disubstituted diiron complex in proton reduction catalysis. *Journal of Electroanalytical Chemistry*, **2009**, 626, 161-170	4.1	42
89	Diiron chelate complexes relevant to the active site of the iron-only hydrogenase. *Comptes Rendus Chimie*, **2008**, 11, 906-914	2.7	42
88	Electrochemical and theoretical investigations of the role of the appended base on the reduction of protons by [Fe2(CO)4(□2-PNP(R)(□S(CH2)3S] (PNP(R) ={Ph2PCH2}2NR, R=Me, Ph). *Chemistry - A European Journal*, **2012**, 18, 11123-38	4.8	38
87	Electrochemical cleavage of N=N bonds at a Mo2(mu-SMe)3 site relevant to the biological reduction of dinitrogen at a bimetallic sulfur centre. *Chemistry - A European Journal*, **2002**, 8, 3115-27	4.8	37
86	□1□2Rearrangement and Protonation of Phenyldiazo Bridging Ligands Attached to the Dimolybdenum System {Mo2Cp2(□SMe)3}. *Organometallics*, **1998**, 17, 1922-1924	3.8	33
85	Electrochemical Reduction of Nitrogenous Ligands at a Conserved Dinuclear Metal-Sulfur Site: Cleavage of the N=N Bond of Phenyldiazene and Reduction of an Imide to NH(3). *Inorganic Chemistry*, **1999**, 38, 1954-1955	5.1	33
84	Non-innocent bma ligand in a dissymetrically disubstituted diiron dithiolate related to the active site of the [FeFe] hydrogenases. *Journal of Inorganic Biochemistry*, **2010**, 104, 1038-42	4.2	32
83	[FeFe]-Hydrogenase H-Cluster Mimics with Unique Planar □(SCH) ER Linkers (E=Ge and Sn). *Chemistry - A European Journal*, **2017**, 23, 346-359	4.8	31
82	Electrochemical and Theoretical Studies of the Impact of the Chelating Ligand on the Reactivity of [Fe2(CO)4(□2-LL)(□pdt)]+Complexes with Different Substrates (LL = IMe-CH2-IMe, dppe; IMe= 1-Methylimidazol-2-ylidene). *Organometallics*, **2012**, 31, 1082-1091	3.8	31
81	Activation of Terminal Alkynes at the Sulfur-Rich Bimetallic Site [MoIII2Cp2(□SMe)3]+: Alkyne□Vinylidene Conversion and C□S and C□C Couplings Promoted by Addition of Unsaturated Substrates (RC?CH, RN?C, SCS). Crystal Structures of □1:□2-Vinylidene, □1:□2-Acetylide, and □1:□3-Vinyl□Thioether Compounds. *Organometallics*, **2001**, 20, 1230-1242	3.8	31
80	Disproportionation of hydrazine by [Mo2(□C5H5)2(□-Cl)(□-SMe)3] and formation of an Mo2(□-NH2) amido bridge. *Chemical Communications*, **1996**, 2633-2634	5.8	31
79	Electrochemical deprotection of a substrate binding site in [Mo2(cp)2(□-SMe)3(□-Cl)](cp =□5-C5H5)via chloride-bridge opening. Kinetics of MeCN and ButNC binding at this site. *Journal of the Chemical Society Dalton Transactions*, **1996**, 3967-3976		31

78	A Silicon-Heteroaromatic System as Photosensitizer for Light-Driven Hydrogen Production by Hydrogenase Mimics. *European Journal of Inorganic Chemistry*, **2013**, 2013, 4466-4472	2.3	30
77	Electrochemical Synthesis of Mono- and Disubstituted Diiron Dithiolate Complexes as Models for the Active Site of Iron-Only Hydrogenases. *European Journal of Inorganic Chemistry*, **2007**, 2007, 5062-5068	2.3	29
76	Reaction of BH4- with [Mo2Cp2(mu-SMe)n] species to give tetrahydroborato, hydrido or dimetallaborane compounds: control of product by ancillary ligands. *Dalton Transactions*, **2004**, 2708-19	4.3	29
75	A sterically stabilized FeI-FeI semi-rotated conformation of [FeFe] hydrogenase subsite model. *Dalton Transactions*, **2015**, 44, 1690-9	4.3	28
74	Diiron species containing a cyclic P(Ph)2N(Ph)2 diphosphine related to the [FeFe]H2ases active site. *Chemical Communications*, **2011**, 47, 878-80	5.8	28
73	Unexpected Coupling of Cp and Two RNC Ligands at a {Mo2(μ-SMe)3} Nucleus. *Organometallics*, **2003**, 22, 4178-4180	3.8	28
72	A Novel [FeFe] Hydrogenase Model with a (SCH2)2P?O Moiety. *Organometallics*, **2013**, 32, 4523-4530	3.8	26
71	Oxidatively induced reactivity of [Fe2(CO)4(κ2-dppe)(μ-pdt)]: an electrochemical and theoretical study of the structure change and ligand binding processes. *Inorganic Chemistry*, **2011**, 50, 12575-85	5.1	26
70	Electrocatalytic dihydrogen evolution mechanism of [Fe2(CO)4(kappa(2)-Ph2PCH2CH2PPh2)(mu-S(CH2)3S)] and related models of the [FeFe]-hydrogenases active site: a DFT investigation. *Dalton Transactions*, **2010**, 39, 7320-9	4.3	26
69	Silicon-Heteroaromatic [FeFe] hydrogenase model complexes: insight into protonation, electrochemical properties, and molecular structures. *Chemistry - A European Journal*, **2015**, 21, 5061-73	4.8	25
68	Investigation on the protonation of a trisubstituted [Fe(2)(CO)(3)(PPh(3))(kappa(2)-phen)(mu-pdt)] complex: rotated versus unrotated intermediate pathways. *Inorganic Chemistry*, **2010**, 49, 5003-8	5.1	25
67	Ligand effects on the electrochemical behavior of [Fe2(CO)5(L){μ-(SCH2)2(Ph)P=O}] (L = PPh3, P(OEt)3) hydrogenase model complexes. *Dalton Transactions*, **2015**, 44, 7177-89	4.3	21
66	Tuning of electron transfer in diiron azo-bridged complexes relevant to hydrogenases. *International Journal of Hydrogen Energy*, **2010**, 35, 10797-10802	6.7	21
65	Acetonitrile hydration versus molybdenum oxidation at the sulfur-rich bimetallic site {MoIII2Cp2(μ-SMe)3}+. Crystal structure of the μ-η1 : η1-amidato complex [Mo2Cp2(μ-MeCONH)(μ-SMe)3]. *Dalton Transactions RSC*, **2001**, 1573-1577		20
64	Reactions of dinuclear and polynuclear complexes XVI. Chemistry of hydrido-, thiolato-bridged complexes [Mo2Cp2(μ-H)(μ-SR)(CO)4] (R ? Me, Ph): Reactivity and electrochemical behaviour; crystal structure of [Mo2Cp2(μ-SPh) {μ-η2-C(CH3) ? CHCH3}(CO)2]. *Journal of Organometallic Chemistry*, **1996**, 513, 181-192	2.3	18
63	Formation of C–C, C–N, and C–O Links between Isonitrile, Cyclopentadienyl, and Hydroxide Ligands Bound to Molybdenum(III): Syntheses and Crystal Structures of μ-Aminocarbyne and μ-Amino-oxycarbene Dimolybdenum Complexes. *Organometallics*, **2006**, 25, 4009-4018	3.8	17
62	Transformations of Hydrazines RNHNH2 (R = Me, Ph) at a Sulfur-Rich Bimetallic Site: Diazene/Diazenido/Isodiazene/Hydrazido(2-) Interconversions. *European Journal of Inorganic Chemistry*, **2002**, 2002, 658-663	2.3	17
61	Controlled nucleophilic activation of different sites in [Mo2Cp2L2(μ-SMe)2(μ-L?)]+ cations (L=ButNC, xylNC, CO; L?=SMe or PPh2). *Journal of Organometallic Chemistry*, **2005**, 690, 4583-4601	2.3	17

60	Alkylidyne and Alkylidene Complexes from a Bridging Side-on Vinylidene Sulfur-Rich Dimolybdenum Precursor. *Organometallics*, **2002**, 21, 448-450	3.8	17
59	Electrochemical reduction of a bridging imide: generation of ammonia at a dimolybdenum tris(mu-thiolate) site. *Chemistry - A European Journal*, **2000**, 6, 3033-42	4.8	17
58	Carboxy-functionalized dithiolate di-iron complexes related to the active site of Fe-only hydrogenase. *Journal of Organometallic Chemistry*, **2007**, 692, 4177-4181	2.3	16
57	Reactions of dinuclear and polynuclear complexes. Part 18 substitution reactions of a chloro or a thiolato ligand in the dinuclear cyclopentadienyl molybdenum(III) complex [Cp2Mo2(Cl)(SMe)3]: Crystal structure of [Cp2Mo2(SCH2CH2SH)(SMe)3] 0.5CH2Cl2. *Journal of Organometallic Chemistry*, **1997**, 539, 193-199	2.3	15
56	Novel 2:2 Coordination of a Thiophenium Cation. *Organometallics*, **1999**, 18, 2055-2057	3.8	14
55	Generation of substrate-binding sites by electrochemical reduction of cis-[Fe2(cp)2(μ-SMe)2(MeCN)(L)]2+ (L = CO or MeCN). Reactivity of the sites toward CO and tBuNC. Crystal structure of [Fe2(cp)2(μ-SMe)2(CO)(MeCN)][BF4]2CH2Cl2. *Journal of the Chemical Society Dalton Transactions*, **1999**, 2371-2384		14
54	Electrochemical oxidation and protonation of a bridging amide ligand at a dinuclear metalsulfur site. *Journal of the Chemical Society Dalton Transactions*, **1997**, 4019-4024		13
53	A 1-Azavinylidene Complex: Intramolecular Condensation of Two Acetonitrile Ligands at a Dinuclear Molybdenum(III) Site. *European Journal of Inorganic Chemistry*, **1999**, 1999, 221-223	2.3	13
52	Influence of the Dithiolate Bridge on the Oxidative Processes of Diiron Models Related to the Active Site of [FeFe] Hydrogenases. *Chemistry - A European Journal*, **2017**, 23, 4364-4372	4.8	12
51	Transformations and Agostic Interactions of Hydrocarbyl Ligands Bonded to the Sulfur-Rich Dimolybdenum Site {Mo2Cp2(SMe)3}: Chemical and Electrochemical Formation of Alkyl and Vinyl Compounds from a Alkylidene Derivative. *Organometallics*, **2005**, 24, 6268-6278	3.8	12
50	Hydride transfer reactions in dimolybdenum compounds: a simple route to the novel 1:1-tetrahydroboride complex [Mo2Cp2(SMe)3(BH4)]. *Chemical Communications*, **2000**, 2137-2138	5.8	12
49	Reactivity of [Fe2(CO)6(S2)] toward a Base-Containing Diphosphine (Ph2PCH2)2NCH3: Formation of Diiron Carbonyl Compounds Having Polydentate Heterofunctionalized Phosphine (PNS = Ph2PCH2N(CH3)CH2S) and Bidentate Thiophosphinito (Ph2PS = PS) Bridges. *Organometallics*, **2010**,	3.8	11
48	Reactions of di- and poly-nuclear complexes. 17. Isolation and reactivity of oxo dinuclear molybdenum (IV) thiolato-bridged complexes containing terminal and bridging chloride or bromide groups [(C5Me5)MoX]2(X)(O)(SMe)(X ?Cl, Br); crystal structure of [(C5Me5)MoBr]2(Br)(O)(SMe). *Inorganica Chimica Acta*, **1997**, 257, 153-161	2.7	11
47	Formation of New Thioalkylidene and Borohydride Dimolybdenum Complexes from the Alkylidyne Precursor [Mo2Cp2(SMe)3(CCH2Ph)]. *Organometallics*, **2007**, 26, 3607-3610	3.8	11
46	A Bridging Side-on Allenylidene Dimolybdenum Complex without Carbonyl Stabilization. *Organometallics*, **2006**, 25, 5503-5505	3.8	11
45	A diferrous dithiolate as a model of the elusive H(ox)(inact) state of the [FeFe] hydrogenases: an electrochemical and theoretical dissection of its redox chemistry. *Inorganic Chemistry*, **2015**, 54, 299-311	5.1	9
44	Electrochemical and Theoretical Investigations of the Oxidatively Induced Reactivity of the Complex [Fe (CO) (dmpe)(adt)] Related to the Active Site of [FeFe] Hydrogenases. *Chemistry - A European Journal*, **2018**, 24, 15036-15051	4.8	9
43	A new FeMo complex as a model of heterobimetallic assemblies in natural systems: Mssbauer and density functional theory investigations. *Inorganic Chemistry*, **2014**, 53, 11345-7	5.1	9

42	Recent advances in the chemistry of tris(thiolato) bridged cyclopentadienyl dimolybdenum complexes. *Coordination Chemistry Reviews*, **2017**, 331, 73-92	23.2	9
41	Diiron Complexes with a [2Fe3S] Core Related to the Active Site of [FeFe]H2ases. *European Journal of Inorganic Chemistry*, **2011**, 2011, 1038-1042	2.3	9
40	Influence of the initial bonding mode of the hydrocarbyl bridge on the mechanisms and products of the electrochemical reduction of alkyne- and vinylidene dimolybdenum tris(μ-thiolate) complexes. *New Journal of Chemistry*, **2007**, 31, 265-276	3.6	9
39	Activation of propargylic alcohols by dimolybdenum tris(ethiolate) complexes: Influence of the substituents R in HCCCR2(OH)-vinylidene/allenylidene transformation. Reactivity of allenylidene complexes. *Journal of Organometallic Chemistry*, **2007**, 692, 5351-5367	2.3	9
38	Incorporation of alkyne and vinylidene ligands into tetrazolate groups at a sulfur-rich dimolybdenum site using sodium azide. *Inorganica Chimica Acta*, **2003**, 350, 495-502	2.7	9
37	Reactions of di- and polynuclear complexes. *Journal of Organometallic Chemistry*, **1991**, 411, 159-170	2.3	9
36	New Systematic Route to Mixed-Valence Triiron Clusters Derived from Dinuclear Models of the Active Site of [Fe-Fe]-Hydrogenases. *Organometallics*, **2014**, 33, 6290-6293	3.8	8
35	Reductive Behavior of [Fe2(CO)4(κ2-dmpe){E(SCH2)2NBn}]: Effect of Symmetrization on the Rotated Conformation in FeI-FeI Models of [2Fe]H Subsite of [Fe-Fe]-H2ases. *European Journal of Inorganic Chemistry*, **2014**, 2014, 3456-3461	2.3	8
34	Electrochemical Studies of Complexes with Oxo- or Hydroxo-Bridged {Mo2(μ-SMe)3}+ Centers: Cleavage of the Oxygen Bridge and Generation of Substrate-Binding Sites. *European Journal of Inorganic Chemistry*, **2004**, 2004, 1687-1700	2.3	8
33	Oxidatively-induced η1 -η1:η1 rearrangement of {NN} ligands at a {Mo2(ESMe)3} site and protonation of the oxidized diazenido complex. *New Journal of Chemistry*, **2006**, 30, 929-938	3.6	7
32	cis- and trans-Bis(1-phenyl-2,3,4,5-tetramethylphosphole)tetracarbonylmolybdenum(0), [Mo(CO)4(tmpPh)2]. Syntheses and structures. *Journal of Organometallic Chemistry*, **2001**, 622, 297-301	2.3	7
31	Mononuclear copper(II) complexes containing a macrocyclic ditopic ligand: Synthesis, structures and properties. *Inorganica Chimica Acta*, **2019**, 497, 119081	2.7	6
30	Phosphorus-carbon(pyridyl) bond cleavage on reacting diphenyl-2-pyridylphosphine with triiron dodecacarbonyl. *Inorganica Chimica Acta*, **2011**, 376, 641-644	2.7	6
29	Mixed ephosphido or ethiolato ehalo-dimolybdenum(III) compounds [Mo2Cp2(ESMe)2(EX)(EY)] (X=PPh2, Y=Cl; X=SCH3, Y=Br, I): Electrochemical and structural comparisons. The X-ray structure of [{Mo2Cp2Br(EO)(ESMe)2}2(EMoO4)]. *Journal of Organometallic Chemistry*, **2006**, 691, 898-906	2.3	6
28	Methylation sites in tris(ethiolato)dimolybdenum(III) complexes. *Journal of Organometallic Chemistry*, **2006**, 691, 566-572	2.3	6
27	Unexpected formation of the novel mixed exo, esulfido, bis(ethiolato) compound [Mo(IV)2Cp2(EO)(ES)(ESMe)2]. *Journal of Organometallic Chemistry*, **2001**, 627, 67-70	2.3	6
26	Reactions of dinuclear and polynuclear complexes XV. Reinvestigation of the reaction between [pMo(CO)3H], allyl chloride and dimethyl disulfide: Crystal structure of [(C5H5)Mo(CO)(ESMe)3Mo(CO)2(ESMe)Mo(CO2(C5H5)]. *Journal of Organometallic Chemistry*, **1996**, 506, 321-326	2.3	6
25	Addressing the Reproducibility of Photocatalytic Carbon Dioxide Reduction. *ChemCatChem*, **2020**, 12, 1603-1608	5.2	6

24	Mononuclear iron(ii) complexes containing a tripodal and macrocyclic nitrogen ligand: synthesis, reactivity and application in cyclohexane oxidation catalysis. *Dalton Transactions*, **2018**, 47, 15596-15612	4.3	6
23	Proton Shuttle Mediated by (SCH2)2P?O Moiety in [FeFe]-Hydrogenase Mimics: Electrochemical and DFT Studies. *ACS Catalysis*, **2021**, 11, 7080-7098	13.1	5
22	FeMo Heterobimetallic Dithiolate Complexes: Investigation of Their Electron Transfer Chemistry and Reactivity toward Acids, a Density Functional Theory Rationalization. *Inorganic Chemistry*, **2019**, 58, 679-694	5.1	5
21	[FeFe]-Hydrogenases Models **2019**, 347-364		4
20	Acid-base control of hemilabile proton-responsive protecting devices in dimolybdenum, thiolate-bridged complexes. *Inorganic Chemistry*, **2014**, 53, 2200-10	5.1	4
19	[FeFe] Hydrogenase Models: an Overview **2014**, 79-104		4
18	Thermal Generation and Structures of the Unsaturated Doubly Bridged Complex [Mo2Cp2Cl2(□SMe)2] and Its Quadruply Bridged Isomer [Mo2Cp2(□Cl)2(□SMe)2]. *Organometallics* , **2011**, 30, 649-652	3.8	4
17	Substitution reactions in dinuclear molybdenum(III) thiolato-complexes induced by isocyanato ligands. *Inorganica Chimica Acta*, **1997**, 261, 117-120	2.7	4
16	Nitrate- and Nitrite-Assisted Conversion of an Acetonitrile Ligand Into an Amidato Bridge at an {Mo2(Cp)2(□SMe)3} Core: Electrochemistry of the Amidato Complex [Mo2(Cp)2(□SMe)3{□1,□1-OC(Me)NH}]+. *European Journal of Inorganic Chemistry*, **2005**, 2005, 3875-3883	2.3	4
15	A Diiron Hydrogenase Mimic Featuring a 1,2,3-Triazolylidene. *Chimia*, **2020**, 74, 499-503	1.3	3
14	Electrocatalytic Proton Reduction by a Cobalt Complex Containing a Proton-Responsive Bis(alkylimdazole)methane Ligand: Involvement of a C-H Bond in H Formation. *Chemistry - A European Journal*, **2020**, 26, 12560-12569	4.8	3
13	Reactions of [Fe3Cp2(CO)3(□CO)(□-CO)(□-CF3C2CF3)] with diphosphines: X-ray structure of a complex in which two tri-iron clusters are linked only by Ph2PCH2CH2PPh2. *Journal of Organometallic Chemistry*, **2006**, 691, 2853-2858	2.3	3
12	Oxo-functionalised mesoionic NHC nickel complexes for selective electrocatalytic reduction of CO to formate. *Green Chemistry*, **2021**, 23, 3365-3373	10	3
11	Mechanistic Aspects of Biological Hydrogen Evolution and Uptake **2014**, 161-198		2
10	Insights into the Two-Electron Reductive Process of [FeFe]H ase Biomimetics: Cyclic Voltammetry and DFT Investigation on Chelate Control of Redox Properties of [Fe (CO) (□ -Chelate)(□Dithiolate)]. *Chemistry - A European Journal*, **2020**, 26, 17536-17545	4.8	2
9	Synthesis, Characterization and Electrochemical Reductive Properties of Complexes [Fe2(CO)4(□-PPh2NR2)(□-dithiolato)] Related to the H-Cluster of [FeFe]-H2ases. *European Journal of Inorganic Chemistry*, **2021**, 2021, 205-216	2.3	2
8	Model Complexes of the Active Site of Nitrogenases: Recent Advances **2014**, 225-248		1
7	Electrochemical Reduction of a Bridging Imide: Generation of Ammonia at a Dimolybdenum Tris(□hiolate) Site **2000**, 6, 3033		1

6	DFT Investigation of Models Related to the Active Siteof Hydrogenases **2014**, 137-160		0
5	Triiron clusters derived from dinuclear complexes related to the active site of [FeFe] hydrogenases: steric effect of the dithiolate bridge on redox properties, a DFT analysis. *Inorganic Chemistry Frontiers*, **2021**, 8, 3659-3674	6.8	0
4	Electrode Materials and Artificial Photosynthetic Systems **2014**, 383-410		
3	Phosphorus Functionalized Carbenes: Synthesis and Coordination Properties. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2008**, 183, 669-670	1	
2	Addressing the Reproducibility of Photocatalytic Carbon Dioxide Reduction. *ChemCatChem*, **2020**, 12, 1528-1528	5.2	
1	Molecular Catalysts for Proton Reduction Based on Non-noble Metals **2018**, 489-527		