Christopher J Pickett

List of Publications by Year
in descending order

167	8,685	53660 45	48187 88
papers	citations	h-index	g-index

182	182	182	4367
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electronic Communication between Dithiolato-Bridged Diiron Carbonyl and S-Bridged Redox-Active Centres. Inorganics, 2019, 7, 37.	1.2	3
2	Encapsulating Subsite Analogues of the [FeFe]-Hydrogenases in Micelles Enables Direct Water Interactions. Journal of Physical Chemistry Letters, 2016, 7, 2838-2843.	2.1	14
3	Muonium Chemistry at Diiron Subsite Analogues of [FeFe]â€Hydrogenase. Angewandte Chemie - International Edition, 2016, 55, 14580-14583.	7.2	7
4	Muonium Chemistry at Diiron Subsite Analogues of [FeFe]â€Hydrogenase. Angewandte Chemie, 2016, 128, 14800-14803.	1.6	0
5	Detection of Transient Intermediates Generated from Subsite Analogues of [FeFe] Hydrogenases. Inorganic Chemistry, 2016, 55, 399-410.	1.9	19
6	EPR detection and characterisation of a paramagnetic Mo(<scp>iii</scp>) dihydride intermediate involved in electrocatalytic hydrogen evolution. Dalton Transactions, 2016, 45, 2399-2403.	1.6	7
7	[FeFe]â€...Hydrogenase: Protonation of {2Fe3S} Systems and Formation of Superâ€reduced Hydride States. Angewandte Chemie - International Edition, 2014, 53, 10143-10146.	7.2	16
8	Making the H-Cluster from Scratch. Science, 2014, 343, 378-379.	6.0	1
9	Investigation of the Ultrafast Dynamics Occurring during Unsensitized Photocatalytic H₂ Evolution by an [FeFe]-Hydrogenase Subsite Analogue. Organometallics, 2014, 33, 5888-5896.	1.1	26
10	[FeFe]â€...Hydrogenase: Protonation of {2Fe3S} Systems and Formation of Superâ€reduced Hydride States. Angewandte Chemie, 2014, 126, 10307-10310.	1.6	0
11	Electronic Control of the Protonation Rates of Feâ€“Fe Bonds. Journal of the American Chemical Society, 2014, 136, 13038-13044.	6.6	30
12	Anode modification to improve the performance of a microbial fuel cell volatile fatty acid biosensor. Sensors and Actuators B: Chemical, 2014, 201, 266-273.	4.0	56
13	Ferracyclic carbamoyl complexes related to the active site of [Fe]-hydrogenase. Dalton Transactions, 2013, 42, 8140.	1.6	49
14	Solar Fuels: Photoelectrosynthesis of CO from CO₂ at pâ€Type Si using Fe Porphyrin Electrocatalysts. Chemistry - A European Journal, 2013, 19, 13522-13527.	1.7	41
15	Solution-phase photochemistry of a [FeFe]hydrogenase model compound: Evidence of photoinduced isomerisation. Journal of Chemical Physics, 2012, 136, 044521.	1.2	27
16	Towards a Functional Model of the [FeFe]â€Hydrogenase: Dihydrogen Oxidation. ChemCatChem, 2012, 4, 1723-1724.	1.8	8
17	Towards Alternatives to Anodic Water Oxidation: Basketâ€Handle Thiolate Fe^{III} Porphyrins for Electrocatalytic Hydrocarbon Oxidation. ChemSusChem, 2012, 5, 2361-2375.	3.6	4
18	On the Use of pH Titration to Quantitatively Characterize Colloidal Nanoparticles. Langmuir, 2012, 28, 15141-15149.	1.6	38

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19	Encapsulating [FeFe]-hydrogenase model compounds in peptide hydrogels dramatically modifies stability and photochemistry. Dalton Transactions, 2012, 41, 13112.	1.6	35
20	Solar Fuels: Visibleâ€Lightâ€Driven Generation of Dihydrogen at pâ€Type Silicon Electrocatalysed by Molybdenum Hydrides. Chemistry - A European Journal, 2012, 18, 11798-11803.	1.7	16
21	The role of CN and CO ligands in the vibrational relaxation dynamics of model compounds of the [FeFe]-hydrogenase enzyme. Physical Chemistry Chemical Physics, 2011, 13, 10295.	1.3	26
22	Protonation of [FeFe]-hydrogenase sub-site analogues: revealing mechanism using FTIR stopped-flow techniques. Faraday Discussions, 2011, 148, 359-371.	1.6	33
23	Nuclear inelastic scattering spectroscopy of tris(acetylacetonate)iron(III); A vibrational probe via the iron atom. Chemical Physics Letters, 2011, 518, 119-123.	1.2	6
24	Paramagnetic Bridging Hydrides of Relevance to Catalytic Hydrogen Evolution at Metallosulfur Centers. Journal of the American Chemical Society, 2011, 133, 18606-18609.	6.6	56
25	The mixed diolâ€“dithiol 2,2-bis(sulfanylmethyl)propane-1,3-diol: characterization of key intermediates on a new synthetic pathway. Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, o1-o5.	0.4	5
26	[FeFe]â€Hydrogenase Models: Unexpected Variation in Protonation Rate between Dithiolate Bridge Analogues. European Journal of Inorganic Chemistry, 2011, 2011, 1033-1037.	1.0	29
27	Density Functional Calculations on Protonation of the [FeFe]â€Hydrogenase Model Complex Fe₂(Î¼â€pdt)(CO)₄(PMe₃)₂ and Subsequent Isomerization Pathways. European Journal of Inorganic Chemistry, 2011, 2011, 1080-1093.	1.0	37
28	Mechanistic aspects of the protonation of [FeFe]-hydrogenase subsite analogues. Dalton Transactions, 2010, 39, 3026.	1.6	61
29	Artificial hydrogenases: assembly of an H-cluster analogue within a functionalised poly(pyrrole) matrix. Chemical Communications, 2010, 46, 8189.	2.2	26
30	The Third Hydrogenase: A Ferracyclic Carbamoyl with Close Structural Analogy to the Active Site of Hmd. Angewandte Chemie, 2010, 122, 7670-7673.	1.6	30
31	Water Splitting by Visible Light: A Nanophotocathode for Hydrogen Production. Angewandte Chemie - International Edition, 2010, 49, 1574-1577.	7.2	189
32	The Third Hydrogenase: A Ferracyclic Carbamoyl with Close Structural Analogy to the Active Site of Hmd. Angewandte Chemie - International Edition, 2010, 49, 7508-7511.	7.2	101
33	Determination of the Photolysis Products of [FeFe]Hydrogenase Enzyme Model Systems using Ultrafast Multidimensional Infrared Spectroscopy. Inorganic Chemistry, 2010, 49, 9563-9573.	1.9	47
34	Femtosecond to Microsecond Photochemistry of a [FeFe]hydrogenase Enzyme Model Compound. Journal of Physical Chemistry B, 2010, 114, 15370-15379.	1.2	34
35	The Third Hydrogenase: More Natural Organometallics. Organometallics, 2010, 29, 6146-6156.	1.1	80
36	Structural and Functional Analogues of the Active Sites of the [Fe]-, [NiFe]-, and [FeFe]-Hydrogenases. Chemical Reviews, 2009, 109, 2245-2274.	23.0	1,184

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37	Protonation of a subsite analogue of [FeFe]-hydrogenase: mechanism of a deceptively simple reaction revealed by time-resolved IR spectroscopy. Chemical Communications, 2009, , 5719.	2.2	49
38	Mounting a hydrogenase analog on calixarenesâ€”designing a natureâ€inspired solid state catalyst for fuel cells by density functional theory. Surface and Interface Analysis, 2008, 40, 1092-1097.	0.8	3
39	Electrocatalysis of hydrogen evolution by synthetic diiron units using weak acids as the proton source: Pathways of doubtful relevance to enzymic catalysis by the diiron subsite of [FeFe] hydrogenase. Comptes Rendus Chimie, 2008, 11, 852-860.	0.2	48
40	A DFT investigation on structural and redox properties of a synthetic Fe6S6 assembly closely related to the [FeFe]-hydrogenases active site. Comptes Rendus Chimie, 2008, 11, 834-841.	0.2	14
41	Controlling carbon monoxide binding at di-iron units related to the iron-only hydrogenase sub-site. Chemical Communications, 2008, , 606-608.	2.2	53
42	The iron centre of the cluster-free hydrogenase (Hmd): low-spin Fe(ii) or low-spin Fe(0)?. Chemical Communications, 2008, , 3555.	2.2	94
43	Structure and Vibrational Dynamics of Model Compounds of the [FeFe]â^'Hydrogenase Enzyme System via Ultrafast Two-Dimensional Infrared Spectroscopy. Journal of Physical Chemistry B, 2008, 112, 10023-10032.	1.2	41
44	Multiple-Timescale Photoreactivity of a Model Compound Related to the Active Site of [FeFe]-Hydrogenase. Inorganic Chemistry, 2008, 47, 7453-7455.	1.9	41
45	Modeling [Feâ^'Fe] Hydrogenase:â€‰ Evidence for Bridging Carbonyl and Distal Iron Coordination Vacancy in an Electrocatalytically Competent Proton Reduction by an Iron Thiolate Assembly That Operates through Fe(0)â^'Fe(II) Levels. Journal of the American Chemical Society, 2007, 129, 11085-11092.	6.6	114
46	Electropolymeric materials incorporating subsite structures related to iron-only hydrogenase: active ester functionalised poly(pyrroles) for covalent binding of {2Fe3S}-carbonyl/cyanide assemblies. Chemical Communications, 2007, , 1535.	2.2	69
47	On the structure of a proposed mixed-valent analogue of the diiron subsite of [FeFe]-hydrogenase. Chemical Communications, 2007, , 4348.	2.2	56
48	A Density Functional Analysis on the Photoelectronic Spectra of Fe-Only Hydrogenase Analogues. E-Journal of Surface Science and Nanotechnology, 2007, 5, 148-151.	0.1	0
49	On the electronic structure of the hydrogenase H-cluster. Chemical Communications, 2006, , 3696.	2.2	44
50	An electrochemical and DFT study on selected Î²-diketiminato metal complexes. Dalton Transactions, 2006, , 2591-2596.	1.6	18
51	Iron-only hydrogenase: Synthetic, structural and reactivity studies of model compounds. Coordination Chemistry Reviews, 2005, 249, 1641-1652.	9.5	263
52	Synthesis of the H-cluster framework of iron-only hydrogenase. Nature, 2005, 433, 610-613.	13.7	498
53	Dissecting the Intimate Mechanism of Cyanation of {2Fe3S} Complexes Related to the Active Site of All-Iron Hydrogenases by DFT Analysis of Energetics, Transition States, Intermediates and Products in the Carbonyl Substitution Pathway. Chemistry - A European Journal, 2005, 11, 509-533.	1.7	46
54	A novel {Feiâ€“Feiiâ€“Feiiâ€“Fei} iron thiolate carbonyl assembly which electrocatalyses hydrogen evolution. Chemical Communications, 2005, , 133-135.	2.2	62

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55	Electron Transfer at a Dithiolate-Bridged Diiron Assembly:Â Electrocatalytic Hydrogen Evolution. Journal of the American Chemical Society, 2004, 126, 16988-16999.	6.6	303
56	Synergic Binding of Carbon Monoxide and Cyanide to the FeMo Cofactor of Nitrogenase: Relic Chemistry of an Ancient Enzyme?. Chemistry - A European Journal, 2004, 10, 4770-4776.	1.7	27
57	Nuclear inelastic scattering spectroscopy of ironâ€“sulfur cubane compounds. Chemical Communications, 2004, , 214-215.	2.2	10
58	Chemistry and the Hydrogenases. ChemInform, 2003, 34, no.	0.1	1
59	Electron-Transfer Chemistry of the Ironâ€“Molybdenum Cofactor of Nitrogenase: Delocalized and Localized Reduced States of FeMoco which Allow Binding of Carbon Monoxide to Iron and Molybdenum. Chemistry - A European Journal, 2003, 9, 76-87.	1.7	56
60	Probing the Electronic Structure of the Di-Iron Subsite of [Fe]-Hydrogenase:â€‰ A Photoelectron Spectroscopic Study of Fe(I)â^'Fe(I) Model Complexes. Journal of Physical Chemistry A, 2003, 107, 4612-4618.	1.1	29
61	All-iron hydrogenase: synthesis, structure and properties of {2Fe3S}-assemblies related to the di-iron sub-site of the H-clusterElectronic supplementary information (ESI) available: crystal and structure refinement data for complexes 4a, 4b and 5a. See http://www.rsc.org/suppdata/dt/b2/b209690k/. Dalton Transactions, 2003, , 586-595.	1.6	134
62	Probing the Intrinsic Electronic Structure of the Cubane [4Feâ^'4S] Cluster:Â Nature's Favorite Cluster for Electron Transfer and Storage. Journal of the American Chemical Society, 2003, 125, 14072-14081.	6.6	74
63	Chemistry and the hydrogenases. Chemical Society Reviews, 2003, 32, 268.	18.7	595
64	Coulomb- and Antiferromagnetic-Induced Fission in Doubly Charged Cubelike Fe-S Clusters. Physical Review Letters, 2002, 89, 163401.	2.9	21
65	Transient FTIR spectroelectrochemical and stopped-flow detection of a mixed valence {Fe(i)â€“Fe(ii)} bridging carbonyl intermediate with structural elements and spectroscopic characteristics of the di-iron sub-site of all-iron hydrogenase. Chemical Communications, 2002, , 700-701.	2.2	94
66	Electrochemical Cleavage of NdN Bonds at a Mo2(Î¼-SMe)3 Site Relevant to the Biological Reduction of Dinitrogen at a Bimetallic Sulfur Centre. Chemistry - A European Journal, 2002, 8, 3115.	1.7	40
67	The Di-Iron Subsite of All-Iron Hydrogenase: Mechanism of Cyanation of a Synthetic {2Fe3S}â€“Carbonyl Assembly. Chemistry - A European Journal, 2002, 8, 4037-4046.	1.7	96
68	{2Fe3S} clusters related to the di-iron sub-site of the H-centre of all-iron hydrogenases. Chemical Communications, 2001, , 847-848.	2.2	98
69	X-Ray crystallographic analysis of D,L-[Fe2{SCH2CH(CH2OH)S}(CO)6] reveals a hydrogen-bonded cyclic hexamer with ordered optical centres. Dalton Transactions RSC, 2001, , 3551-3552.	2.3	22
70	Extended HÃ¼ckel calculations on functional and structural models of the FeMo-cofactor of nitrogenase. Polyhedron, 2001, 20, 27-36.	1.0	17
71	Polyferredoxin-based electrode materials. Faraday Discussions, 2000, 116, 235-244.	1.6	9
72	Differential electronic effects and the selective protonation of mutually trans ligands. Chemical Communications, 2000, , 1999-2000.	2.2	4

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73	Electrochemical production of low-melting metal nanowires. Chemical Physics Letters, 1999, 301, 159-166.	1.2	53
74	Exploring the reactivity of the isolated iron-molybdenum cofactor of nitrogenase. Coordination Chemistry Reviews, 1999, 185-186, 669-687.	9.5	49
75	A di-iron dithiolate possessing structural elements of the carbonyl/cyanide sub-site of the H-centre of Fe-only hydrogenase. Chemical Communications, 1999, , 2285-2286.	2.2	235
76	Synthesis of N-derivatised pyrroles: precursors to highly functionalised electropolymers. Journal of the Chemical Society Perkin Transactions 1, 1999, , 1657-1664.	0.9	10
77	The isolated ironâ€“molybdenum cofactor of nitrogenase binds carbon monoxide upon electrochemically accessing reduced states. Chemical Communications, 1999, , 1019-1020.	2.2	25
78	Exo-iron centres linked to MoFeS clusters. Journal of the Chemical Society Dalton Transactions, 1999, , 957-964.	1.1	8
79	Electrochemical dehydrodimerisation of a vinylenylamide ligand: formation of the binuclear group {Moî€‡N+CHî€†CHCHî€†CHCHî€†CHN+î€‡Mo} which displays very strong electronic coupling in the {(MoIII)â€“(MoIV)} mixed-valence state. Chemical Communications, 1998, , 675-676.	2.2	3
80	Merrifield chemistry on electropolymers: protection/(photo)deprotection of amine functions. Chemical Communications, 1998, , 1175-1176.	2.2	6
81	Electrochemistry of molybdenum imides: cleavage of molybdenumâ€“nitrogen triple bonds to release ammonia or aminesâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1997, , 4807-4816.	1.1	34
82	Ligand rotamers and redox isomerism: metallo-pseudo-prolines. Chemical Communications, 1997, , 2379-2380.	2.2	5
83	Control of the reactivity of trans-[Mo2(cp)2(CO)(Yî€‡Z)(Î¼ -SR)2] (cpâ€…=â€…Î·-C5H5; Yî€‡Zâ€…=â€…CO or CNâ^') by the sulfur substituents (Râ€…=â€…Me, Pri, But, Ph or CF3). Crystal structure of trans-[Mo2(cp)2(CO)(CNMe)(Î¼- SCF3)2]. Journal of the Chemical Society Dalton Transactions, 1997, , 2279-2292.	1.1	11
84	Electrochemical investigations on phospha ferrocenes. Journal of Organometallic Chemistry, 1997, 529, 375-378.	0.8	21
85	Solid-phase chemistry of electropolymers. Journal of Electroanalytical Chemistry, 1997, 435, 189-203.	1.9	12
86	The Chatt cycle and the mechanism of enzymic reduction of molecular nitrogen. Journal of Biological Inorganic Chemistry, 1996, 1, 601-606.	1.1	163
87	Preparation and electrochemistry of thiolate-phosphine complexes of osmium. Polyhedron, 1996, 15, 3623-3629.	1.0	10
88	A comment on the formation of N-C bonds via reactions of anionic dinitrogen complexes with organic halides: X-ray crystallographic structure of trans-. Journal of Organometallic Chemistry, 1996, 519, 273-275.	0.8	4
89	Peptide derivatised poly(pyrrole) modified electrodes with built-in ion-exchange functions. Journal of Electroanalytical Chemistry, 1995, 387, 139-142.	1.9	16
90	Ligand-centred chemistry of molybdenum organoimides. Formation of Câ€“C bonds via generation of nitrogen ylides, stereospecific conversion of an allylimide into alkylvinyl-imides, liberation of cyanoformate or amino acid esters. Journal of the Chemical Society Dalton Transactions, 1995, , 1973-1984.	1.1	11

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91	Conversion of a molybdenum nitride to the amide and thence to an oxide and ammonia, reactions involving formal 1,3-prototropic shifts. X-Ray structures of trans-[Mo(NH2)(OH)(dppe)2][OTf]2 and trans-[MoO(OMe)(dppe)2][BPh4](dppe = Ph2PCH2CH2PPh2; OTf = CF3SO3). Journal of the Chemical Society Chemical Communications, 1995, , 1081.	2.0	14
92	An intramolecular Wâ€“H â‹¯Oî€†C hydrogen bond? Electrosynthesis and X-ray crystallographic structure of [WH3(Î·1-OCOMe)(Ph2PCH2CH2PPh2)2]. Journal of the Chemical Society Chemical Communications, 1995, , 1569-1570.	2.0	28
93	Selective release of dihydrogen upon deuteriation of polyhydrido complexes: studies on [WH3(OCMeO)(Ph2PCH2CH2PPh2)2]. Journal of the Chemical Society Chemical Communications, 1995, , 1571.	2.0	9
94	Bioinorganic reaction centres on electrodes. Modified electrodes possessing amino acid, peptide and ferredoxin-type groups on a poly(pyrrole) backbone. Journal of the Chemical Society Dalton Transactions, 1994, , 2181.	1.1	29
95	On carboxylate as a leaving group at the active site of Mo nitrogenase: electrochemical reactions of some MO and W carboxylates, formation of mono-, di- and tri-hydrides and the detection of an MoH2(N2) intermediate. Polyhedron, 1994, 13, 3341-3348.	1.0	48
96	Interconversion of CN and CNH2ligands: electrosynthesis and X-ray crystallographic structures of trans-[W(CNH2)Cl(dppe)2] and trans-[W(CNH2)Cl(dppe)2][BF4](dppe = Ph2PCH2CH2PPh2): aminocarbyne (î€‡Câ€“NH2) or iminomethylenium (î€†Cî€†NH2+) ligands?. Journal of the Chemical Society Chemical Communications, 1994, , 425-427.	2.0	12
97	Ironâ€“sulfur clusters in ionic polymers on electrodes. Journal of the Chemical Society Dalton Transactions, 1993, , 3695-3703.	1.1	12
98	Structural and electronic comparison of 15- to 17-electron dichloro-complexes of molybdenum and rhenium: electrochemical behaviour and crystal structures of trans-[ReCl2(dppe)2]A (A = Cl or BF4;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Chemical Society Dalton Transactions, 1993, , 3015-3023.	1.1	28
99	A dibasic carbon centre: kinetic and thermodynamic studies on the deprotonation of trans-[MoCl(NCH2CO2Me)(Ph2PCH2CH2PPh2)2]+. Journal of the Chemical Society Chemical Communications, 1993, , 392.	2.0	4
100	Electrosynthesis of amino acids from a molybdenum nitride via nitrogenâ€“carbon and carbonâ€“carbon bond formation reactions involving imides and nitrogen ylides: X-ray structure of trans-[MoCl(NCHCO2Me)(Ph2PCH2CH2PPh2)2]Â·CH2Cl2. Journal of the Chemical Society Chemical Communications, 1992, .	2.0	14
101	Synthesis and anodic polymerisation of an L-cystine derivatised pyrrole; copolymerisation with a tetraalkylammonium pyrrole allows reduction of the cystinyl film to a cysteinyl state that binds electroactive {Fe4S4}2+ centres. Journal of the Chemical Society Chemical Communications, 1992, , 694.	2.0	21
102	Electrochemical generation of low-valent molybdenum tri-tertiary phosphine complexes: interactions with monophosphines and molecular nitrogen. Journal of the Chemical Society Dalton Transactions, 1992, , 2263.	1.1	14
103	The anomalous electrochemical behaviour of the tetrathioether macrocyclic complexes [MoX2(Me8[16]aneS4)](X = Cl or Br): the X-ray structures of [MoBr2(Me8[16]aneS4)]+/0 and modulation of redox potentials in conformers of the [MoBr2(Me8[16]aneS4)]+/0 system. Journal of the Chemical Society Chemical Communications, 1992, , 1464.	2.0	23
104	Cis and trans isomers of tetrakis(dimethylphenylphosphine)bis(dinitrogen)tungsten. Inorganic Chemistry, 1992, 31, 1295-1297.	1.9	23
105	Transformation of a methyleneamide ligand at molybdenum: electrochemical oxidation to a cyanide, reactions with elemental oxygen, sulphur or selenium and X-ray crystal structures of trans-[Mo(CN)Cl(dppe)2]Â·MeOH and trans-[Mo(NCS)Cl(dppe)2]; electroreduction of the cyanide to an aminocarbyne, trans-[Mo(CNH2)Cl(dppe)2](dppe = Ph2PCH2CH2PPh2). Journal of the Chemical Society	1.1	21
106	Electrochemical transformation of the molybdenum nitrosyl [Mo(NO)Cl(dttd)] dttd = 1,2-bis(2-mercaptophenylthio)ethane to give the oxide [MoO(1,2-C6H4S2)2]2? and either ammonia by protic attack or nitrite by oxygenation: new reactions which involve ethylene extrusion from the backbone of the sulphur ligand. Journal of the Chemical Society Chemical Communications, 1991, , 246.	2.0	9
107	Poly(1-vinylimidazole-co-4-aminostyrene): steric stabilizer for polyaniline colloids. Polymer, 1991, 32, 2456-2460.	1.8	50
108	Electrogeneration of the molybdenum-molybdenum double bond from thiolate-bridged dinuclear precursors: carbon monoxide catalysed isomerisation about the Moî—»Mo bond. Journal of Organometallic Chemistry, 1990, 390, c39-c44.	0.8	5

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109	Synthesis, reactivity, and electrochemistry of some new nitrides of molybdenum and tungsten: crystal structure of trinuclear [{Âµ-MoN(N3)2}{NMo(N3)(Et2PCH2CH2PEt2)2}2]. Journal of the Chemical Society Dalton Transactions, 1990, , 2013-2019.	1.1	19
110	Determination of structural features of electrogenerated trans-[MoCl(NMe)(Ph2PCH2CH2PPh2)2]2+ by multinuclear electron paramagnetic resonance and electron nuclear double resonance spectroscopy and comparison of interatomic distances with those measured by X-ray analysis of the parent monocation. Journal of the Chemical Society Dalton Transactions, 1990, , 2021.	1.1	17
111	Electrochemistry of ligands multiply bonded to molybdenum and tungsten. Polyhedron, 1989, 8, 1653-1656.	1.0	10
112	Reactions of coordinated dinitrogen. 23. Cis and trans isomers of bis(dinitrogen)tetrakis(dimethylphenylphosphine)molybdenum. Inorganic Chemistry, 1989, 28, 3269-3270.	1.9	23
113	Mechanistic studies on hydrazido(2â€“)-complexes. Cleavage of the nitrogenâ€“nitrogen bond in the reaction of [Mo{NN(CH2)4CH2}(Ph2PCH2CH2PPh2)2] with acid. Journal of the Chemical Society Dalton Transactions, 1989, , 425-430.	1.1	34
114	Ironâ€“sulphur clusters in ionic polymers on electrodes. Journal of the Chemical Society Chemical Communications, 1989, , 188-190.	2.0	23
115	Electroreduction of co-ordinated cyanide to the aminocarbyne ligand (CNH2) and a pathway for isomerisation of ligating methyleneamide (NCH2): reactions at molybdenum of relevance to cyanide reduction by nitrogenase. Journal of the Chemical Society Chemical Communications, 1989, , 1399.	2.0	20
116	Metallo-oxides in nitrogen fixation. Journal of the Chemical Society Chemical Communications, 1988, , 1481.	2.0	17
117	From metal imides and molecular nitrogen to ammonia and dinitrogen complexes. Journal of the Chemical Society Chemical Communications, 1988, , 1119.	2.0	24
118	Diazoalkane complexes of molybdenum and tungsten via hydrazido(2â€“) complexes. Journal of the Chemical Society Dalton Transactions, 1988, , 553-555.	1.1	8
119	On the reduction of ironâ€“sulphur clusters under carbon monoxide. Journal of the Chemical Society Dalton Transactions, 1988, , 2329-2334.	1.1	11
120	Preparation, X-ray crystal structure, and properties of [V(S2)2(terpy)]: intramolecular coupling of the sulphide ligands of [VS4]3?. Journal of the Chemical Society Dalton Transactions, 1988, , 1705.	1.1	8
121	Microcrystalline materials on electrodes. Journal of the Chemical Society Chemical Communications, 1988, , 1362.	2.0	0
122	Electron-transfer reactions in nitrogen fixation. Part 2. The electrosynthesis of ammonia: identification and estimation of products. Journal of the Chemical Society Dalton Transactions, 1986, , 1453.	1.1	68
123	The aminocarbyne ligand CNH2: metal-centred synthesis from a cyanosilane, preparation and X-ray structure of trans-[ReCl(CNH2)(Ph2PCH2CH2PPh2)2]BF4. Journal of the Chemical Society Chemical Communications, 1986, , 246.	2.0	38
124	The anion of pyrimidine-2-thiol as a ligand to molybdenum, tungsten, and iron. Preparation of complexes, their structure and reactivity. Journal of the Chemical Society Dalton Transactions, 1986, , 1181.	1.1	33
125	Mechanism of alkylation of alkyldiazenido-complexes of molybdenum(II) and tungsten(II): influence of metal and co-ligands on the nucleophilicity of a diazenido-group. Journal of the Chemical Society Dalton Transactions, 1986, , 1473.	1.1	15
126	From an {Fe4S4}-cluster to {Fe2S2}- and {Fe3S}-carbonyls. Crystal structure of [Fe3S(CO)9]2â^'. Journal of Organometallic Chemistry, 1986, 307, C31-C34.	0.8	21

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127	Electrosynthesis of ammonia. Nature, 1985, 317, 652-653.	13.7	252
128	Preparation and properties of mer-[ReCl(N2)(CNR){P(OMe)3}3](R = Me, Et, But, C6H4Me-4, or C6H4Cl-4) and [ReCl(N2)(CNMe)(PPh3){P(OEt)3}2]. X-Ray crystal structure of mer-[ReCl(N2)(CNMe){P(OMe)3}3] and reductive cleavage of the Isocyanide ligands to primary amines upon protonation. Journal of the Chemical Society Dalton Transactions, 1985, , 2079.	1.1	27
129	A simple hydrocarbon electrolyte: completing the electron-transfer series [Fe4S4(SPh)4]1â€"/2â€"/3â€"/4â€". Journal of the Chemical Society Chemical Communications, 1985, , 323-326.	2.0	37
130	Electron-transfer reactions in nitrogen fixation. Part 1. The electrosynthesis of dinitrogen, hydride, isocyanide, and carbonyl complexes of molybdenum: intermediates, mechanisms, and energetics. Journal of the Chemical Society Dalton Transactions, 1985, , 1255.	1.1	34
131	The preparation and properties of some diphosphines R2PCH2CH2PR2(R = alkyl or aryl) and of their rhenium(I) dinitrogen derivatives. Journal of the Chemical Society Dalton Transactions, 1985, , 1131.	1.1	55
132	Reactions of trans-[ReCl(N2)(Ph2PCH2CH2PPh2)2] with terminal acetylenes. Preparation and crystal structure of the vinylidene complex trans-[ReCl(Cî—»CHPh)(Ph2PCH2CH2PPh2)2]. Journal of Organometallic Chemistry, 1984, 277, C7-C10.	0.8	27
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