

Jonathan McMaster

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140
papers

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citations

45
h-index

71
g-index

152
ext. papers

6,486
ext. citations

7.1
avg, IF

5.4
L-index

#	Paper	IF	Citations
140	A delocalized arene-bridged diuranium single-molecule magnet. <i>Nature Chemistry</i> , 2011 , 3, 454-60	17.6	262
139	Synthesis and structure of a terminal uranium nitride complex. <i>Science</i> , 2012 , 337, 717-20	33.3	251
138	Isolation and characterization of a uranium(VI)-nitride triple bond. <i>Nature Chemistry</i> , 2013 , 5, 482-8	17.6	204
137	Synthesis of a uranium(VI)-carbene: reductive formation of uranyl(V)-methanides, oxidative preparation of a $[R_2C=U=O]^{2+}$ analogue of the $[O=U=O]^{2+}$ uranyl ion (R = Ph ₂ PNSiMe ₃), and comparison of the nature of U(IV)=C, U(V)=C, and U(VI)=C double bonds. <i>Journal of the American Chemical Society</i> , 2012 , 134, 10047-54	16.4	147
136	Homologation and functionalization of carbon monoxide by a recyclable uranium complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 9265-70	11.5	136
135	Uranium-carbon multiple bonding: facile access to the pentavalent uranium carbene $[U\{C(PPh_2NSiMe_3)_2\}(Cl)_2(I)]$ and comparison of U(V)=C and U(IV)=C bonds. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 2383-6	16.4	123
134	Sigma and pi donation in an unsupported uranium-gallium bond. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1077-80	16.4	123
133	Single-molecule magnetism in a single-ion triamidoamine uranium(V) terminal mono-oxo complex. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4921-4	16.4	118
132	Triamidoamine-uranium(IV)-stabilized terminal parent phosphide and phosphinidene complexes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4484-8	16.4	114
131	A formal high oxidation state inverse-sandwich diuranium complex: a new route to f-block-metal bonds. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 10388-92	16.4	112
130	Synthesis and characterization of an f-block terminal parent imido $[U=NH]$ complex: a masked uranium(IV) nitride. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5619-22	16.4	108
129	A lanthanide-gallium complex stabilized by the N-heterocyclic carbene group. <i>Journal of the American Chemical Society</i> , 2007 , 129, 5360-1	16.4	104
128	Triamidoamine uranium(IV)-arsenic complexes containing one-, two- and threefold U-As bonding interactions. <i>Nature Chemistry</i> , 2015 , 7, 582-90	17.6	98
127	A phenoxyl radical complex of copper(II). <i>Chemical Communications</i> , 2001 , 1824-5	5.8	98
126	Probing the magnetic properties of three interconvertible redox states of a single-molecule magnet with magnetic circular dichroism spectroscopy. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1756-7	16.4	97
125	The inverse-trans-influence in tetravalent lanthanide and actinide bis(carbene) complexes. <i>Nature Communications</i> , 2017 , 8, 14137	17.4	94
124	A phenolimidazole pro-ligand that can exist as a phenoxyl radical, alone and when complexed to copper(II) and zinc(II). <i>Dalton Transactions</i> , 2003 , 1975-1985	4.3	93

123	The nature of the U=C double bond: pushing the stability of high-oxidation-state uranium carbenes to the limit. <i>Chemistry - A European Journal</i> , 2013 , 19, 7071-83	4.8	92
122	The photophysics of fac-[Re(CO) ₃ (dppz)(py)] ⁺ in CH ₃ CN: a comparative picosecond flash photolysis, transient infrared, transient resonance Raman and density functional theoretical study. <i>Photochemical and Photobiological Sciences</i> , 2003 , 2, 542-54	4.2	92
121	Synthesis, characterization, and reactivity of a uranium(VI) carbene imido oxo complex. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6696-700	16.4	89
120	A dedicated spectrometer for dissolution DNP NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 5883-92	3.6	86
119	Synthesis and structural characterisation of an yttrium-alkyl-alkylidene. <i>Chemical Communications</i> , 2008 , 1747-9	5.8	85
118	Synthesis and structure of [{N(CH ₂ CH ₂ NSiMe ₃) ₃ }URe(η ⁵ -C ₅ H ₅) ₂]: a heterobimetallic complex with an unsupported uranium-rhenium bond. <i>Chemical Communications</i> , 2009 , 2851-3	5.8	80
117	Two-electron reductive carbonylation of terminal uranium(V) and uranium(VI) nitrides to cyanate by carbon monoxide. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10412-5	16.4	78
116	A cerium(IV)-carbon multiple bond. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13016-9	16.4	78
115	Emergence of comparable covalency in isostructural cerium(iv)- and uranium(iv)-carbon multiple bonds. <i>Chemical Science</i> , 2016 , 7, 3286-3297	9.4	76
114	An unsupported transition metal-lanthanide bond; synthesis and crystal structure of an Nd-Fe amido N-heterocyclic carbene complex. <i>Chemical Communications</i> , 2009 , 818-20	5.8	76
113	Synthesis and structure of [U{C(PPh ₂ NMe _s) ₂ } ₂] (Mes = 2,4,6-Me ₃ C ₆ H ₂): A homoleptic uranium bis(carbene) complex with two formal U=C double bonds. <i>Dalton Transactions</i> , 2010 , 39, 5074-6	4.3	74
112	Phenoxy radicals hydrogen-bonded to imidazolium: analogues of tyrosyl D. of photosystem II: high-field EPR and DFT studies. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5314-7	16.4	71
111	A heterobimetallic gallyl complex containing an unsupported Ga-Y bond. <i>Inorganic Chemistry</i> , 2009 , 48, 3520-2	5.1	67
110	An unsupported uranium-rhenium complex prepared by alkane elimination. <i>Chemistry - A European Journal</i> , 2011 , 17, 6909-12	4.8	65
109	Phenoxy radicals: H-bonded and coordinated to Cu(II) and Zn(II). <i>Dalton Transactions</i> , 2006 , 258-67	4.3	65
108	Ligand K-Edge and Metal L-Edge X-ray Absorption Spectroscopy and Density Functional Calculations of Oxomolybdenum Complexes with Thiolate and Related Ligands: Implications for Sulfite Oxidase. <i>Journal of the American Chemical Society</i> , 1999 , 121, 10035-10046	16.4	63
107	Synthesis and reactivity of the yttrium-alkyl-carbene complex [Y(BIPM)(CH ₂ C(6)H(5))(THF)] (BIPM = {C(PPh ₂)NSiMe ₃ }(2)). <i>Dalton Transactions</i> , 2009 , 4547-55	4.3	60
106	Structural and theoretical insights into the perturbation of uranium-rhenium bonds by dative Lewis base ancillary ligands. <i>Chemical Communications</i> , 2011 , 47, 295-7	5.8	59

105	A Crystallizable dinuclear tuck-in-tuck-over tuck-over dialkyl Tren uranium complex and double dearylation of BPh(4)(-) to give the BPh(2)-functionalized metallocycle [U{N(CH ₂)CH(2)NSiMe(3))(2)(CH(2)CH(2)NSiMe(2)CHBPh(2))}(THF)]. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10388-9	16.4	59
104	The nature of unsupported uranium-ruthenium bonds: a combined experimental and theoretical study. <i>Chemistry - A European Journal</i> , 2011 , 17, 11266-73	4.8	58
103	Phenolate and phenoxyl radical complexes of Co(II) and Co(III). <i>Dalton Transactions</i> , 2004 , 3647-53	4.3	58
102	Heteroleptic [M(CH ₂ C ₆ H ₅) ₂ (I)(THF) ₃] Complexes (M = Y or Er): Remarkably Stable Precursors to Yttrium and Erbium T-Shaped Carbenes. <i>Organometallics</i> , 2009 , 28, 6771-6776	3.8	57
101	A monomeric dilithio methandiide with a distorted trans-planar four-coordinate carbon. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5570-3	16.4	54
100	Probing the solvent dependent photophysics of fac-[Re(CO) ₃ (dppz-X ₂)Cl] (dppz-X ₂ = 11,12-X ₂ -dipyrido[3,2-a:2'3'-c]phenazine); X = CH ₃ , H, F, Cl, CF ₃). <i>Inorganic Chemistry</i> , 2008 , 47, 9857-69	5.1	53
99	Binuclear cobalt complexes of Schiff-base calixpyrroles and their roles in the catalytic reduction of dioxygen. <i>Inorganic Chemistry</i> , 2009 , 48, 5195-207	5.1	52
98	Synthesis and Characterization of Dysprosium and Lanthanum Bis(iminophosphorano)methanide and -methanediide Complexes. <i>Organometallics</i> , 2010 , 29, 2315-2321	3.8	50
97	Time-resolved infrared (TRIR) study on the formation and reactivity of organometallic methane and ethane complexes in room temperature solution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 6933-8	11.5	49
96	The active sites of molybdenum- and tungsten-containing enzymes. <i>Current Opinion in Chemical Biology</i> , 1998 , 2, 201-7	9.7	48
95	Molecular and electronic structures of one-electron oxidized Ni(II)-(dithiosalicylidenediamine) complexes: Ni(III)-thiolate versus Ni(II)-thiyl radical states. <i>Chemistry - A European Journal</i> , 2008 , 14, 2564-76	4.8	45
94	Redox non-innocence of thioether macrocycles: elucidation of the electronic structures of mononuclear complexes of gold(II) and silver(II). <i>Journal of the American Chemical Society</i> , 2006 , 128, 13827-39	16.4	45
93	An Inverted-Sandwich Diuranium $\text{U}(\text{5}):[\text{U}(\text{5})\text{-Cyclo-P5}]$ Complex Supported by U-P5 σ -Bonding. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7068-72	16.4	43
92	Uranium-Carbon Multiple Bonding: Facile Access to the Pentavalent Uranium Carbene [U{C(PPh ₂ NSiMe ₃) ₂ }(Cl) ₂ (I)] and Comparison of UV σ C and UIV σ C Bonds. <i>Angewandte Chemie</i> , 2011 , 123, 2431-2434	3.6	43
91	Electrocatalytic production of hydrogen by a synthetic model of [NiFe] hydrogenases. <i>Chemical Communications</i> , 2006 , 1103-5	5.8	42
90	Titanium(IV) Alkoxy-N-heterocyclic Carbenes: Structural Preferences of Alkoxide and Bromide Adducts. <i>Organometallics</i> , 2006 , 25, 1861-1867	3.8	42
89	Isolation of Elusive HAsAsH in a Crystalline Diuranium(IV) Complex. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15250-4	16.4	40
88	Single-Molecule Magnetism in a Single-Ion Triamidoamine Uranium(V) Terminal Mono-Oxo Complex. <i>Angewandte Chemie</i> , 2013 , 125, 5021-5024	3.6	40

87	Reductive assembly of cyclobutadienyl and diphosphacyclobutadienyl rings at uranium. <i>Nature Communications</i> , 2013 , 4, 2323	17.4	39
86	A triamido-uranium(V) inverse-sandwich 10 π -toluene tetraanion arene complex. <i>Dalton Transactions</i> , 2013 , 42, 5224-7	4.3	38
85	Highly reduced double-decker single-molecule magnets exhibiting slow magnetic relaxation. <i>Inorganic Chemistry</i> , 2013 , 52, 4464-71	5.1	38
84	Synthesis and structure of gold(III) complexes of asymmetric dithiolene ligands. <i>Polyhedron</i> , 2006 , 25, 591-598	2.7	37
83	The synthesis and electronic structure of a novel [Ni ₄ Fe ₂ (CO) ₆] radical cluster: implications for the active site of the [NiFe] hydrogenases. <i>Chemistry - A European Journal</i> , 2004 , 10, 3384-96	4.8	37
82	Chemical Analogues of the Catalytic Centers of Molybdenum and Tungsten Dithiolene-Containing Enzymes. <i>Progress in Inorganic Chemistry</i> , 2004 , 539-583		37
81	Formation of a Copper(II)-Tyrosyl Complex at the Active Site of Lytic Polysaccharide Monooxygenases Following Oxidation by HO \cdot . <i>Journal of the American Chemical Society</i> , 2019 , 141, 18585-18599	16.4	36
80	[U(III) {N(SiMe ₂ tBu) ₂ } ₃]: a structurally authenticated trigonal planar actinide complex. <i>Chemistry - A European Journal</i> , 2014 , 20, 14579-83	4.8	35
79	Triamidoamine-Uranium(IV)-Stabilized Terminal Parent Phosphide and Phosphinidene Complexes. <i>Angewandte Chemie</i> , 2014 , 126, 4573-4577	3.6	35
78	A Cerium(IV)-Carbon Multiple Bond. <i>Angewandte Chemie</i> , 2013 , 125, 13254-13257	3.6	34
77	A bis(diimidazole)Copper Complex Possessing a Reversible Cu ^I /Cu ^{II} Couple with a High Redox Potential. <i>Chemistry - A European Journal</i> , 1996 , 2, 685-693	4.8	34
76	Five coordinate M(II)-diphenolate [M = Zn(II), Ni(II), and Cu(II)] Schiff base complexes exhibiting metal- and ligand-based redox chemistry. <i>Inorganic Chemistry</i> , 2013 , 52, 660-70	5.1	33
75	A Formal High Oxidation State Inverse-Sandwich Diuranium Complex: A New Route to f-Block-Metal Bonds. <i>Angewandte Chemie</i> , 2011 , 123, 10572-10576	3.6	32
74	Formation of [(L)Ni(μ -S) _x {Fe(CO) ₃ } _x] adducts (x = 1 or 2): analogues of the active site of [NiFe] hydrogenase. <i>Chemical Communications</i> , 2006 , 317-9	5.8	32
73	Thermally driven intramolecular charge transfer in an oxo-molybdenum dithiolate complex. <i>Journal of the American Chemical Society</i> , 2001 , 123, 10389-90	16.4	32
72	π -Back Donation in an Unsupported Uranium-Gallium Bond. <i>Angewandte Chemie</i> , 2009 , 121, 1097-1100	3.6	31
71	The dithiolene ligand--innocent Or non-innocent? A theoretical and experimental study of some cobalt-dithiolene complexes. <i>Faraday Discussions</i> , 2007 , 135, 469-88; discussion 489-506	3.6	31
70	New Thiolate-Cobalt(II) Complexes for Catalytic Chain Transfer Polymerization of Methyl Methacrylate. <i>Macromolecules</i> , 2004 , 37, 6667-6669	5.5	31

- 69 Electronic spectral studies of molybdenyl complexes. 2. MCD spectroscopy of [MoOS₄]-centers. *Inorganic Chemistry*, **2001**, 40, 687-702 5.1 31
- 68 Excited state dependent electron transfer of a rhenium-dipyridophenazine complex intercalated between the base pairs of DNA: a time-resolved UV-visible and IR absorption investigation into the photophysics of fac-[Re(CO)₃(F2dppz)(py)]⁺ bound to either [poly(dA-dT)]₂ or [poly(dG-dC)]₂. *Photochemical and Photobiological Sciences*, **2011**, 10, 1355-64 4.2 30
- 67 Bis-morpholine-substituted perylene bisimides: impact of isomeric arrangement on electrochemical and spectroelectrochemical properties. *Journal of Organic Chemistry*, **2008**, 73, 8808-14 4.2 30
- 66 Crystallographic, electrochemical, and electronic structure studies of the mononuclear complexes of Au(I)/(II)/(III) with [9]aneS₂O ([9]aneS₂O = 1-oxa-4,7-dithiacyclononane). *Inorganic Chemistry*, **2008**, 47, 9919-29 5.1 29
- 65 Synthesis, characterisation and magnetic study of a cyano-substituted dysprosium double decker single-molecule magnet. *Dalton Transactions*, **2012**, 41, 1128-30 4.3 27
- 64 An MCD spectroscopic study of the molybdenum active site in sulfite oxidase: insight into the role of coordinated cysteine. *Journal of Inorganic Biochemistry*, **2000**, 80, 227-33 4.2 27
- 63 Synthesis, Characterization, and Reactivity of a Uranium(VI) Carbene Imido Oxo Complex. *Angewandte Chemie*, **2014**, 126, 6814-6818 3.6 26
- 62 The structural characterisation and elucidation of the electronic structure of the mononuclear Pt(III) complex [Pt([9]aneS₃)₂]³⁺ ([9]aneS₃ = 1,4,7-trithiacyclononane). *Chemical Communications*, **2008**, 5707-9 5.8 26
- 61 Probing the Mechanism of Carbon-Hydrogen Bond Activation by Photochemically Generated Hydridotris(pyrazolyl)borato Carbonyl Rhodium Complexes: New Experimental and Theoretical Investigations. *Organometallics*, **2008**, 27, 189-201 3.8 25
- 60 Photochemical dihydrogen production using an analogue of the active site of [NiFe] hydrogenase. *Inorganic Chemistry*, **2014**, 53, 4430-9 5.1 24
- 59 Ni(III) vs. Ni(II)-thiyl radical: charge-delocalisation in a binuclear Ni(III)Ni(II)-dithiolate complex. *Chemical Communications*, **2003**, 1098-9 5.8 24
- 58 EPR Spectroscopic and Theoretical Study of Chromium(I) Carbonyl Phosphine and Phosphonite Complexes. *Organometallics*, **1997**, 16, 4362-4368 3.8 22
- 57 A Ni(i)Fe(ii) analogue of the Ni-L state of the active site of the [NiFe] hydrogenases. *Chemical Communications*, **2015**, 51, 16988-91 5.8 21
- 56 Magnetic circular dichroism spectroscopy as a probe of the structures of the metal sites in metalloproteins. *Current Opinion in Structural Biology*, **2010**, 20, 615-22 8.1 21
- 55 The synthesis and characterisation of phenolate complexes of Cu(II) and Ni(II) that are capable of supporting a phenoxyl radical ligand. *Inorganica Chimica Acta*, **2007**, 360, 203-211 2.7 21
- 54 Two-Electron Reductive Carbonylation of Terminal Uranium(V) and Uranium(VI) Nitrides to Cyanate by Carbon Monoxide. *Angewandte Chemie*, **2014**, 126, 10580-10583 3.6 20
- 53 Alkali-metal mediated reactivity of a diaminobromoborane: mono- and bis-borylation of naphthalene versus boryl lithium or hydroborane formation. *Chemical Communications*, **2012**, 48, 5769-71 5.8 20
- 52 Unusual formation of a [NiSFe(2)(CO)(6)] cluster: a structural model for the inactive form of [NiFe] hydrogenase. *Dalton Transactions*, **2009**, 925-31 4.3 20

51	Synthesis and Photophysical Study of a [NiFe] Hydrogenase Biomimetic Compound Covalently Linked to a Re-diimine Photosensitizer. <i>Inorganic Chemistry</i> , 2016 , 55, 527-36	5.1	19
50	Selective reduction and homologation of carbon monoxide by organometallic iron complexes. <i>Nature Communications</i> , 2018 , 9, 3757	17.4	19
49	An Inverted-Sandwich Diuranium η^5 -Cyclo-P Complex Supported by U-P δ Bonding. <i>Angewandte Chemie</i> , 2015 , 127, 7174-7178	3.6	18
48	A Monomeric Dilithio Methandiide with a Distorted trans-Planar Four-Coordinate Carbon. <i>Angewandte Chemie</i> , 2010 , 122, 5702-5705	3.6	18
47	Thionated naphthalene diimides: tuneable chromophores for applications in photoactive dyads. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 752-764	3.6	18
46	Redox non-innocence of thioether crowns: spectroelectrochemistry and electronic structure of formal nickel(III) complexes of aza-thioether macrocycles. <i>Chemistry - A European Journal</i> , 2011 , 17, 10246-58	4.8	17
45	Electronic structure of a binuclear nickel complex of relevance to [NiFe] hydrogenase. <i>Inorganic Chemistry</i> , 2008 , 47, 11688-97	5.1	17
44	Bowing to the pressure of π - π interactions: bending of phenyl rings in a palladium(II) thioether crown complex. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 5093-5	16.4	16
43	Coordination Chemistry of Nitrile and Amino Pendant Arm Derivatives of [9]aneN2S and [9]aneNS2 with PdII and CuI. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 1232-1241	2.3	16
42	Dynamic nuclear polarisation by thermal mixing: quantum theory and macroscopic simulations. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 30093-30104	3.6	15
41	Redox non-innocence of thioether crowns: elucidation of the electronic structure of the mononuclear Pd(III) complexes [Pd([9]aneS3)2]3+ and [Pd([18]aneS6)]3+. <i>Inorganic Chemistry</i> , 2012 , 51, 1450-61	5.1	15
40	Isolation of Elusive HAsAsH in a Crystalline Diuranium(IV) Complex. <i>Angewandte Chemie</i> , 2015 , 127, 15465-15469	5.6	15
39	Amido analogues of zirconocenes and cadmocenes. <i>Dalton Transactions</i> , 2011 , 40, 1641-5	4.3	14
38	Magnetic properties of a novel family of ferrous cubanes. <i>Chemical Communications</i> , 2012 , 48, 2430-2	5.8	13
37	Electronic structure of the mononuclear Ag(ii) complex [Ag([18]aneS(4)O(2))](2+) ([18]aneS(4)O(2) = 1,10-dioxa-4,7,13,16-tetrathiacyclooctadecane). <i>Chemical Communications</i> , 2008 , 1305-7	5.8	13
36	Phenoxy Radicals Hydrogen-Bonded to Imidazolium: Analogues of Tyrosyl D. of Photosystem II: High-Field EPR and DFT Studies. <i>Angewandte Chemie</i> , 2005 , 117, 5448-5451	3.6	13
35	Synthesis and structure of a bis-N-heterocyclic carbene complex of uranium tetrachloride exhibiting short ClC(carbene) contacts. <i>Dalton Transactions</i> , 2009 , 6924-6	4.3	12
34	Synthesis and characterisation of halide, separated ion pair, and hydride cyclopentadienyl iron bis(diphenylphosphino)ethane derivatives. <i>Dalton Transactions</i> , 2015 , 44, 14159-77	4.3	11

- 33 Heterobimetallic [NiFe] Complexes Containing Mixed CO/CN Ligands: Analogs of the Active Site of the [NiFe] Hydrogenases. *Inorganic Chemistry*, **2018**, 57, 2558-2569 5.1 11
- 32 Synthesis, structure and redox properties of bis(cyclopentadienyl)dithiolene complexes of molybdenum and tungsten. *Dalton Transactions*, **2011**, 40, 10457-72 4.3 11
- 31 Density Functional Theoretical Studies of the Re π Bonds in Re(Cp)(CO)(PF₃)Xe and Re(Cp)(CO)₂Xe. *Organometallics*, **2006**, 25, 5242-5248 3.8 11
- 30 Bis-thioether-substituted perylene diimides: structural, electrochemical, and spectroelectrochemical properties. *Journal of Organic Chemistry*, **2013**, 78, 2853-62 4.2 10
- 29 Epitaxial Retrieval of a Disappearing Polymorph. *Crystal Growth and Design*, **2015**, 15, 115-123 3.5 10
- 28 Perylene Diimide Triple Helix Formation in the Solid State. *Crystal Growth and Design*, **2018**, 18, 802-807 3.5 9
- 27 Ultrafast intramolecular charge separation in a donor-acceptor assembly comprising bis(η -cyclopentadienyl)molybdenum coordinated to an ene-1,2-dithiolate-naphthalenetetracarboxylicdiimide ligand. *Inorganic Chemistry*, **2012**, 51, 13181-94 5.1 9
- 26 Insights into the nature of the hydrogen bonding of *Tyr272 in apo-galactose oxidase. *Journal of Inorganic Biochemistry*, **2007**, 101, 1859-64 4.2 9
- 25 Synthesis, Structure and Redox Properties of Asymmetric (Cyclopentadienyl)(ene-1,2-dithiolate)cobalt(III) Complexes Containing Phenyl, Pyridyl and Pyrazinyl Units. *European Journal of Inorganic Chemistry*, **2015**, 2015, 3550-3561 2.3 8
- 24 A monomeric, heterobimetallic complex with an unsupported MgBe bond. *Inorganica Chimica Acta*, **2017**, 458, 97-100 2.7 7
- 23 Frequency domain magnetic resonance and magnetic circular dichroism studies on Ni₄ cubane molecular nanomagnets: A magnetic anisotropy investigation. *Inorganica Chimica Acta*, **2010**, 363, 4329-4336 2.7 7
- 22 Bioinorganic chemistry. Inorganic chemistry in a perspective of biology, medicine and the environment. *Die Naturwissenschaften*, **1987**, 74, 71-7 2 6
- 21 Carbene in Cupredoxin Protein Scaffolds: Replacement of a Histidine Ligand in the Active Site Substantially Alters Copper Redox Properties. *Angewandte Chemie - International Edition*, **2018**, 57, 10677-10682 16.4 6
- 20 Probing the use of long lived intra-ligand π excited states for photocatalytic systems: A study of the photophysics and photochemistry of [ReCl(CO)₃(dppz-(CH₃)₂)]. *Polyhedron*, **2017**, 123, 259-264 2.7 5
- 19 Imidazolylidene Cu(II) Complexes: Synthesis Using Imidazolium Carboxylate Precursors and Structure Rearrangement Pathways. *Inorganic Chemistry*, **2019**, 58, 16047-16058 5.1 5
- 18 High-pressure studies of palladium and platinum thioether macrocyclic dihalide complexes. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2014**, 70, 469-86 1.8 5
- 17 Assembly of Dicobalt(III) Complexes Incorporating Di- β thiophenolate Moieties. *European Journal of Inorganic Chemistry*, **2003**, 2003, 2389-2392 2.3 5
- 16 Crystal structure and magnetic properties of di-copper and di-zinc complexes with di-2-pyridyl ketone oxime. *Inorganic Chemistry Communication*, **2016**, 74, 79-81 3.1 5

15	High-pressure studies of three polymorphs of a palladium(II) oxathioether macrocyclic complex. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2016 , 72, 357-71	1.8	4
14	Chapter 12: Metal Complex of Hydrogenase Active Sites. <i>RSC Energy and Environment Series</i> , 2011 , 326-386		4
13	Bowing to the Pressure of π - π Interactions: Bending of Phenyl Rings in a Palladium(II) Thioether Crown Complex. <i>Angewandte Chemie</i> , 2013 , 125, 5197-5199	3.6	3
12	Core-Substituted Naphthalene Diimides: Influence of Substituent Conformation on Strong Visible Absorption. <i>ChemPlusChem</i> , 2017 , 82, 489-492	2.8	2
11	29 Bioinorganic chemistry. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2002 , 98, 593-614		2
10	Carbene in Cupredoxin Protein Scaffolds: Replacement of a Histidine Ligand in the Active Site Substantially Alters Copper Redox Properties. <i>Angewandte Chemie</i> , 2018 , 130, 10837-10842	3.6	2
9	Carbene-Induced Rescue of Catalytic Activity in Deactivated Nitrite Reductase Mutant. <i>Chemistry - A European Journal</i> , 2020 , 26, 15206-15211	4.8	1
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