

Jonathan McMaster

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140
papers

6,027
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	Mapping blood biochemistry by Raman spectroscopy at the cellular level.. <i>Chemical Science</i> , 2021 , 13, 133-140	9.4	11
139	Group 11 -Terphenyl Complexes Featuring Metallophilic Interactions. <i>Inorganic Chemistry</i> , 2021 , 60, 10114-10123	4.1	1
138	Structural and electronic studies of substituted m-terphenyl lithium complexes. <i>Dalton Transactions</i> , 2021 , 50, 722-728	4.3	1
137	A transition metal-gallium cluster formed via insertion of "Gal". <i>Chemical Communications</i> , 2020 , 56, 8139-8142	3.8	0
136	Carbene-Induced Rescue of Catalytic Activity in Deactivated Nitrite Reductase Mutant. <i>Chemistry - A European Journal</i> , 2020 , 26, 15206-15211	4.8	1
135	Influence of molecular design on radical spin multiplicity: characterisation of BODIPY dyad and triad radical anions. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 4429-4438	3.6	1
134	Formation of a Copper(II)-Tyrosyl Complex at the Active Site of Lytic Polysaccharide Monooxygenases Following Oxidation by HO. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18585-18599	16.4	36
133	Imidazolylidene Cu(II) Complexes: Synthesis Using Imidazolium Carboxylate Precursors and Structure Rearrangement Pathways. <i>Inorganic Chemistry</i> , 2019 , 58, 16047-16058	5.1	5
132	Heterobimetallic [NiFe] Complexes Containing Mixed CO/CN Ligands: Analogs of the Active Site of the [NiFe] Hydrogenases. <i>Inorganic Chemistry</i> , 2018 , 57, 2558-2569	5.1	11
131	Perylene Diimide Triple Helix Formation in the Solid State. <i>Crystal Growth and Design</i> , 2018 , 18, 802-807	3.5	9
130	Thionated naphthalene diimides: tuneable chromophores for applications in photoactive dyads. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 752-764	3.6	18
129	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
128	Selective reduction and homologation of carbon monoxide by organometallic iron complexes. <i>Nature Communications</i> , 2018 , 9, 3757	17.4	19
127	Carbene in Cupredoxin Protein Scaffolds: Replacement of a Histidine Ligand in the Active Site Substantially Alters Copper Redox Properties. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10677-10682	16.4	6
126	The inverse-trans-influence in tetravalent lanthanide and actinide bis(carbene) complexes. <i>Nature Communications</i> , 2017 , 8, 14137	17.4	94
125	Core-Substituted Naphthalene Diimides: Influence of Substituent Conformation on Strong Visible Absorption. <i>ChemPlusChem</i> , 2017 , 82, 489-492	2.8	2
124	A monomeric, heterobimetallic complex with an unsupported MgBe bond. <i>Inorganica Chimica Acta</i> , 2017 , 458, 97-100	2.7	7

123	Probing the use of long lived intra-ligand π excited states for photocatalytic systems: A study of the photophysics and photochemistry of $[\text{ReCl}(\text{CO})_3(\text{dppz}-(\text{CH}_3)_2)]$. <i>Polyhedron</i> , 2017 , 123, 259-264	2.7	5
122	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
121	Dynamic nuclear polarisation by thermal mixing: quantum theory and macroscopic simulations. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 30093-30104	3.6	15
120	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
119	Synthesis and Photophysical Study of a $[\text{NiFe}]$ Hydrogenase Biomimetic Compound Covalently Linked to a Re-diimine Photosensitizer. <i>Inorganic Chemistry</i> , 2016 , 55, 527-36	5.1	19
118	Crystal structure and magnetic properties of di-copper and di-zinc complexes with di-2-pyridyl ketone oxime. <i>Inorganic Chemistry Communication</i> , 2016 , 74, 79-81	3.1	5
117	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
116	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
115	An Inverted-Sandwich Diuranium $\eta^5\text{-Cyclo-P}$ Complex Supported by U-P δ Bonding. <i>Angewandte Chemie</i> , 2015 , 127, 7174-7178	3.6	18
114	An Inverted-Sandwich Diuranium $\eta^5\text{-}\eta^5\text{-Cyclo-P}_5$ Complex Supported by U-P $_5$ δ Bonding. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7068-72	16.4	43
113	A Ni(I)Fe(II) analogue of the Ni-L state of the active site of the $[\text{NiFe}]$ hydrogenases. <i>Chemical Communications</i> , 2015 , 51, 16988-91	5.8	21
112	Isolation of Elusive HAsAsH in a Crystalline Diuranium(IV) Complex. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15250-4	16.4	40
111	Isolation of Elusive HAsAsH in a Crystalline Diuranium(IV) Complex. <i>Angewandte Chemie</i> , 2015 , 127, 15465-15469	5.5	14
110	Synthesis, Structure and Redox Properties of Asymmetric (Cyclopentadienyl)(ene-1,2-dithiolate)cobalt(III) Complexes Containing Phenyl, Pyridyl and Pyrazinyl Units. <i>European Journal of Inorganic Chemistry</i> , 2015 , 2015, 3550-3561	2.3	8
109	Epitaxial Retrieval of a Disappearing Polymorph. <i>Crystal Growth and Design</i> , 2015 , 15, 115-123	3.5	10
108	Triamidoamine-uranium(IV)-stabilized terminal parent phosphide and phosphinidene complexes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4484-8	16.4	114
107	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
106	$[\text{NiFe}]$ Hydrogenases 2014 , 49-78		1

105	Photochemical dihydrogen production using an analogue of the active site of [NiFe] hydrogenase. <i>Inorganic Chemistry</i> , 2014 , 53, 4430-9	5.1	24
104	Synthesis and characterization of an f-block terminal parent imido [U ^{IV} NH] complex: a masked uranium(IV) nitride. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5619-22	16.4	108
103	High-pressure studies of palladium and platinum thioether macrocyclic dihalide complexes. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014 , 70, 469-86	1.8	5
102	[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
101	Triamidoamine-Uranium(IV)-Stabilized Terminal Parent Phosphide and Phosphinidene Complexes. <i>Angewandte Chemie</i> , 2014 , 126, 4573-4577	3.6	35
100	Synthesis, Characterization, and Reactivity of a Uranium(VI) Carbene Imido Oxo Complex. <i>Angewandte Chemie</i> , 2014 , 126, 6814-6818	3.6	26
99	Two-Electron Reductive Carbonylation of Terminal Uranium(V) and Uranium(VI) Nitrides to Cyanate by Carbon Monoxide. <i>Angewandte Chemie</i> , 2014 , 126, 10580-10583	3.6	20
98	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
97	Reductive assembly of cyclobutadienyl and diphosphacyclobutadienyl rings at uranium. <i>Nature Communications</i> , 2013 , 4, 2323	17.4	39
96	A triamido-uranium(V) inverse-sandwich 10 ⁺ -toluene tetraanion arene complex. <i>Dalton Transactions</i> , 2013 , 42, 5224-7	4.3	38
95	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
94	Bis-thioether-substituted perylene diimides: structural, electrochemical, and spectroelectrochemical properties. <i>Journal of Organic Chemistry</i> , 2013 , 78, 2853-62	4.2	10
93	Highly reduced double-decker single-molecule magnets exhibiting slow magnetic relaxation. <i>Inorganic Chemistry</i> , 2013 , 52, 4464-71	5.1	38
92	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
91	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
90	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
89	Isolation and characterization of a uranium(VI)-nitride triple bond. <i>Nature Chemistry</i> , 2013 , 5, 482-8	17.6	204
88	A cerium(IV)-carbon multiple bond. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13016-9	16.4	78

87	A Cerium(IV)–Carbon Multiple Bond. <i>Angewandte Chemie</i> , 2013 , 125, 13254-13257	3.6	34
86	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
85	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
84	Magnetic properties of a novel family of ferrous cubanes. <i>Chemical Communications</i> , 2012 , 48, 2430-2	5.8	13
83	Alkali-metal mediated reactivity of a diaminobromoborane: mono- and bis-borylation of naphthalene versus boryl lithium or hydroborane formation. <i>Chemical Communications</i> , 2012 , 48, 5769-71	5.8	20
82	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
81	Redox non-innocence of thioether crowns: elucidation of the electronic structure of the mononuclear Pd(III) complexes $[Pd([9]aneS_3)_2]^{3+}$ and $[Pd([18]aneS_6)]^{3+}$. <i>Inorganic Chemistry</i> , 2012 , 51, 1450-61	5.1	15
80	Synthesis and structure of a terminal uranium nitride complex. <i>Science</i> , 2012 , 337, 717-20	33.3	251
79	Ultrafast intramolecular charge separation in a donor-acceptor assembly comprising bis(η -cyclopentadienyl)molybdenum coordinated to an ene-1,2-dithiolate-naphthalenetetracarboxylicdiimide ligand. <i>Inorganic Chemistry</i> , 2012 , 51, 13181-94	5.1	9
78	Synthesis, characterisation and magnetic study of a cyano-substituted dysprosium double decker single-molecule magnet. <i>Dalton Transactions</i> , 2012 , 41, 1128-30	4.3	27
77	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
76	A delocalized arene-bridged diuranium single-molecule magnet. <i>Nature Chemistry</i> , 2011 , 3, 454-60	17.6	262
75	Chapter 12: Metal Complex of Hydrogenase Active Sites. <i>RSC Energy and Environment Series</i> , 2011 , 326-386	386	4
74	Synthesis, structure and redox properties of bis(cyclopentadienyl)dithiolene complexes of molybdenum and tungsten. <i>Dalton Transactions</i> , 2011 , 40, 10457-72	4.3	11
73	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</i> , 2011 , 123, 2431-2434	3.6	43
72	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
71	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
70	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

69	An unsupported uranium-rhenium complex prepared by alkane elimination. <i>Chemistry - A European Journal</i> , 2011 , 17, 6909-12	4.8	65
68	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
67	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
66	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
65	Amido analogues of zirconocenes and cadmocenes. <i>Dalton Transactions</i> , 2011 , 40, 1641-5	4.3	14
64	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 . <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 1255-61	4.2	30
63	Synthesis and Characterization of Dysprosium and Lanthanum Bis(iminophosphorano)methanide and -methanediide Complexes. <i>Organometallics</i> , 2010 , 29, 2315-2321	3.8	50
62	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
61	Synthesis and structure of [U{C(PPh ₂ NMes) 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
60	A dedicated spectrometer for dissolution DNP NMR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 5883-92	3.6	86
59	Frequency domain magnetic resonance and magnetic circular dichroism studies on Ni ₄ cubane molecular nanomagnets: A magnetic anisotropy investigation. <i>Inorganica Chimica Acta</i> , 2010 , 363, 4329-4336	2.7	7
58	Magnetic circular dichroism spectroscopy as a probe of the structures of the metal sites in metalloproteins. <i>Current Opinion in Structural Biology</i> , 2010 , 20, 615-22	8.1	21
57	A Monomeric Dilithio Methandiide with a Distorted trans-Planar Four-Coordinate Carbon. <i>Angewandte Chemie</i> , 2010 , 122, 5702-5705	3.6	18
56	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
55	σ and π Donation in an Unsupported Uranium-Gallium Bond. <i>Angewandte Chemie</i> , 2009 , 121, 1097-1100	3.6	31
54	Sigma and pi donation in an unsupported uranium-gallium bond. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1077-80	16.4	123
53	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
52	A heterobimetallic gallyl complex containing an unsupported Ga-Y bond. <i>Inorganic Chemistry</i> , 2009 , 48, 3520-2	5.1	67

51	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
50	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
49	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
48	Synthesis and structure of [{N(CH ₂ CH ₂ NSiMe ₃) ₃ }URe(eta 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
47	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
46	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
45	Unusual formation of a [NiFe ₂ (CO) ₆] cluster: a structural model for the inactive form of [NiFe] hydrogenase. <i>Dalton Transactions</i> , 2009 , 925-31	4.3	20
44	Bis-morpholine-substituted perylene bisimides: impact of isomeric arrangement on electrochemical and spectroelectrochemical properties. <i>Journal of Organic Chemistry</i> , 2008 , 73, 8808-14	4.2	30
43	The structural characterisation and elucidation of the electronic structure of the mononuclear Pt(III) complex [Pt([9]aneS ₃) ₂] ³⁺ ([9]aneS ₃ = 1,4,7-trithiacyclononane). <i>Chemical Communications</i> , 2008 , 5707-9	5.8	26
42	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
41	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'-b]phenazine); X = CH ₃ , H, F, Cl, CF ₃). <i>Inorganic Chemistry</i> , 2008 , 47, 9857-69	5.1	53
40	Crystallographic, electrochemical, and electronic structure studies of the mononuclear complexes of Au(I)/(II)/(III) with [9]aneS ₂ O ([9]aneS ₂ O = 1-oxa-4,7-dithiacyclononane). <i>Inorganic Chemistry</i> , 2008 , 47, 9919-29	5.1	29
39	Probing the Mechanism of Carbon-Hydrogen Bond Activation by Photochemically Generated Hydridotris(pyrazolyl)borato Carbonyl Rhodium Complexes: New Experimental and Theoretical Investigations. <i>Organometallics</i> , 2008 , 27, 189-201	3.8	25
38	Synthesis and structural characterisation of an yttrium-alkyl-alkylidene. <i>Chemical Communications</i> , 2008 , 1747-9	5.8	85
37	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
36	Electronic structure of a binuclear nickel complex of relevance to [NiFe] hydrogenase. <i>Inorganic Chemistry</i> , 2008 , 47, 11688-97	5.1	17
35	Bioinorganic chemistry. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2007 , 103, 492		1
34	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

33	The synthesis and characterisation of phenolate complexes of Cu(II) and Ni(II) that are capable of supporting a phenoxyl radical ligand. <i>Inorganica Chimica Acta</i> , 2007 , 360, 203-211	2.7	21
32	Insights into the nature of the hydrogen bonding of *Tyr272 in apo-galactose oxidase. <i>Journal of Inorganic Biochemistry</i> , 2007 , 101, 1859-64	4.2	9
31	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
30	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
29	Electrocatalytic production of hydrogen by a synthetic model of [NiFe] hydrogenases. <i>Chemical Communications</i> , 2006 , 1103-5	5.8	42
28	Formation of [(L)Ni(μ -2-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
27	Phenoxyl radicals: H-bonded and coordinated to Cu(II) and Zn(II). <i>Dalton Transactions</i> , 2006 , 258-67	4.3	65
26	Titanium(IV) Alkoxy-N-heterocyclic Carbenes: Structural Preferences of Alkoxide and Bromide Adducts. <i>Organometallics</i> , 2006 , 25, 1861-1867	3.8	42
25	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
24	Density Functional Theoretical Studies of the ReXe Bonds in Re(Cp)(CO)(PF $_3$)Xe and Re(Cp)(CO) $_2$ Xe. <i>Organometallics</i> , 2006 , 25, 5242-5248	3.8	11
23	Synthesis and structure of gold(III) complexes of asymmetric dithiolene ligands. <i>Polyhedron</i> , 2006 , 25, 591-598	2.7	37
22	Phenoxyl 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
21	Phenoxyl 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
20	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
19	New Thiolate-Cobalt(II) Complexes for Catalytic Chain Transfer Polymerization of Methyl Methacrylate. <i>Macromolecules</i> , 2004 , 37, 6667-6669	5.5	31
18	Phenolate and phenoxyl radical complexes of Co(II) and Co(III). <i>Dalton Transactions</i> , 2004 , 3647-53	4.3	58
17	Chemical Analogues of the Catalytic Centers of Molybdenum and Tungsten Dithiolene-Containing Enzymes. <i>Progress in Inorganic Chemistry</i> , 2004 , 539-583		37
16	Assembly of Dicobalt(III) Complexes Incorporating Di- β -hiophenolate Moieties. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 2389-2392	2.3	5

15	Coordination Chemistry of Nitrile and Amino Pendant Arm Derivatives of [9]aneN ₂ S and [9]aneNS ₂ with PdII and CuI. <i>European Journal of Inorganic Chemistry</i> , 2003 , 2003, 1232-1241	2.3	16
14	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
13	Ni(III) vs. Ni(II)-thiyl radical: charge-delocalisation in a binuclear Ni(III)Ni(II)-dithiolate complex. <i>Chemical Communications</i> , 2003 , 1098-9	5.8	24
12	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
11	29 Bioinorganic chemistry. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2002 , 98, 593-614		2
10	Bioinorganic chemistry. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2001 , 97, 567-586		1
9	Electronic spectral studies of molybdenyl complexes. 2. MCD spectroscopy of [MoOS ₄] ⁻ centers. <i>Inorganic Chemistry</i> , 2001 , 40, 687-702	5.1	31
8	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
7	A phenoxyl radical complex of copper(II). <i>Chemical Communications</i> , 2001 , 1824-5	5.8	98
6	An MCD spectroscopic study of the molybdenum active site in sulfite oxidase: insight into the role of coordinated cysteine. <i>Journal of Inorganic Biochemistry</i> , 2000 , 80, 227-33	4.2	27
5	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
4	The active sites of molybdenum- and tungsten-containing enzymes. <i>Current Opinion in Chemical Biology</i> , 1998 , 2, 201-7	9.7	48
3	EPR Spectroscopic and Theoretical Study of Chromium(I) Carbonyl Phosphine and Phosphonite Complexes. <i>Organometallics</i> , 1997 , 16, 4362-4368	3.8	22
2	A bis(diimidazole)Copper Complex Possessing a Reversible CuI/CuI Couple with a High Redox Potential. <i>Chemistry - A European Journal</i> , 1996 , 2, 685-693	4.8	34
1	Bioinorganic chemistry. Inorganic chemistry in a perspective of biology, medicine and the environment. <i>Die Naturwissenschaften</i> , 1987 , 74, 71-7	2	6