

Nathan J Patmore

List of Publications by Year in descending order

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54
papers

1,559
citations

279798

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docs citations

62
times ranked

1392
citing authors

#	ARTICLE	IF	CITATIONS
1	Demanding applications in harsh environment – FeCrMnNiC amorphous equiatomic alloy thin film. <i>Materials Science and Technology</i> , 2020, 36, 1301-1307.	1.6	7
2	Rigidification of a macrocyclic tris-catecholate scaffold leads to electronic localisation of its mixed valent redox product. <i>Chemical Communications</i> , 2019, 55, 2281-2284.	4.1	4
3	Efficient electron transfer across hydrogen bond interfaces by proton-coupled and -uncoupled pathways. <i>Nature Communications</i> , 2019, 10, 1531.	12.8	42
4	Dihydrogen phosphate-containing dinuclear double assemblies that demonstrate phosphate reactivity to the tetrafluoroborate anion. <i>Chemical Communications</i> , 2018, 54, 9159-9162.	4.1	7
5	An iron-catalysed C–C bond-forming spirocyclization cascade providing sustainable access to new 3D heterocyclic frameworks. <i>Nature Chemistry</i> , 2017, 9, 396-401.	13.6	44
6	Malcolm H. Chisholm – A Memoir. <i>Comments on Inorganic Chemistry</i> , 2016, 36, 183-195.	5.2	0
7	Mechanistic insight into proton-coupled mixed valency. <i>Chemical Communications</i> , 2016, 52, 100-103.	4.1	11
8	Structural, spectroscopic and theoretical studies of a diruthenium(II,II) tetraformamidinate that reversibly binds dioxygen. <i>Polyhedron</i> , 2016, 103, 87-93.	2.2	6
9	Platinum(II) complexes of mixed-valent radicals derived from cyclotricatechylene, a macrocyclic tris-dioxolene. <i>Chemical Science</i> , 2015, 6, 6935-6948.	7.4	11
10	Recent advances in the chemistry of metal–metal quadruple bonds. <i>Organometallic Chemistry</i> , 2015, , 88-106.	0.6	1
11	Structural, spectroscopic and theoretical studies of diosmium(III,III) tetracarboxylates. <i>Dalton Transactions</i> , 2013, 42, 13118.	3.3	3
12	Mixed Valency in Hydrogen Bonded –Dimers of Dimers™. <i>Journal of the American Chemical Society</i> , 2013, 135, 1723-1726.	13.7	39
13	Hydrogen Bonding and Electron Transfer between Dimetal Paddlewheel Compounds Containing Pendant 2-Pyridone Functional Groups. <i>Inorganic Chemistry</i> , 2013, 52, 9683-9691.	4.0	27
14	Tuning the electronic structure of Mo–Mo quadruple bonds by N for O for S substitution. <i>Dalton Transactions</i> , 2012, 41, 6641.	3.3	22
15	Unexpected structural and electronic effects of internal rotation in diruthenium paddlewheel complexes containing bulky carboxylate ligands. <i>Inorganica Chimica Acta</i> , 2010, 363, 3856-3864.	2.4	12
16	Synthesis and Characterisation of Diruthenium Paddlewheel Compounds Bearing 2,6-Di(p-tolyl)benzoate Ligands. <i>Journal of Cluster Science</i> , 2010, 21, 339-350.	3.3	5
17	Molecular, electronic structure and spectroscopic properties of MM quadruply bonded units supported by trans-6-carboethoxy-2-carboxylatoazulene ligands. <i>Dalton Transactions</i> , 2010, 39, 1979.	3.3	12
18	Oxalate Bridged Triangles Incorporating Mo ₂ ⁴⁺ Units. <i>Electronic Structure and Bonding</i> . <i>Inorganic Chemistry</i> , 2010, 49, 7116-7122.	4.0	19

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19	Intramolecular electron transfer in cyanide bridged adducts comprising RuII/RuIII tetracarboxylate and [MnI(CO)(CN)(tBuNC)4] units. Dalton Transactions, 2010, 39, 6249.	3.3	8
20	Quadruply Bonded Dimetal Units Supported by 2,4,6-Triisopropylbenzoates MM(TiPB)4 (MM = Mo2,) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	4.0	33
21	Relationship between metal-metal bond length and internal rotation in diruthenium tetracarboxylate paddlewheel complexes. Dalton Transactions, 2009, , 259-261.	3.3	12
22	Oxalate bridged heteronuclear compounds containing MM quadruple bonds (M=Mo and W) and their radical cations. Canadian Journal of Chemistry, 2009, 87, 88-94.	1.1	6
23	Photophysical properties of metal complexes. Annual Reports on the Progress of Chemistry Section A, 2009, 105, 525.	0.8	1
24	Dimolybdenum Bis-2,4,6-triisopropylbenzoate Bis-4-isonicotinate: A Redox Active Analogue of 4,4'-Bipyridine with Ambivalent Properties. Inorganic Chemistry, 2008, 47, 9248-9255.	4.0	10
25	Photophysical properties of metal complexes. Annual Reports on the Progress of Chemistry Section A, 2008, 104, 498.	0.8	7
26	Photophysical properties of metal complexes. Annual Reports on the Progress of Chemistry Section A, 2007, 103, 518.	0.8	1
27	2,5-Dianilinothephthalate bridged MM quadruply bonded complexes of molybdenum and tungsten. Dalton Transactions, 2007, , 91-96.	3.3	7
28	Concerning the molecular and electronic structure of a tungsten-tungsten quadruply bonded complex supported by two 6-Carboethoxy-2-carboxylatoazulene ligands. Chemical Communications, 2007, , 3652.	4.1	18
29	Studies of Electronic Coupling and Mixed Valency in Metal-Metal Quadruply Bonded Complexes Linked by Dicarboxylate and Closely Related Ligands. Accounts of Chemical Research, 2007, 40, 19-27.	15.6	138
30	Electronic coupling in 1,4-(COS)2C6H4 linked MM quadruple bonds (M = Mo, W): the influence of S for O substitution. Dalton Transactions, 2006, , 3164.	3.3	36
31	Concerning the Electronic Coupling of MoMo Quadruple Bonds Linked by 4,4'-Azodibenzoate and Comparison with t2g6-Ru(II) Centers by 4,4'-Azodiphenylcyanamido Ligands. Inorganic Chemistry, 2006, 45, 11035-11042.	4.0	15
32	Studies of oxalate-bridged MM quadruple bonds and their radical cations (M = Mo or W): on the matter of linkage isomers. Dalton Transactions, 2005, , 1852.	3.3	7
33	Electronically-coupled MM quadruply-bonded complexes of molybdenum and tungsten. Chemical Record, 2005, 5, 308-320.	5.8	11
34	New Metal-Organic Polygons Involving MM Quadruple Bonds: M8(O2CtBu)4(1/4-SC4H2-3,4-{CO2}2)6(M =) Tj ETQq0 0 0,rgBT /Over	4.0	21
35	Concerning the relative importance of enantiomeric site vs. chain end control in the stereoselective polymerization of lactides: reactions of (R,R-salen)- and (S,S-salen)-aluminium alkoxides LAIOCH2R complexes (R = CH3 and S-CHMeCl). Chemical Communications, 2005, , 127-129.	4.1	155
36	Cations M2(O2CtBu)4+, Where M = Mo and W, and MoW(O2CtBu)4+. Theoretical, Spectroscopic, and Structural Investigations. Inorganic Chemistry, 2005, 44, 1061-1067.	4.0	57

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37	Electronically Coupled MM Quadruply-Bonded Complexes (M = Mo or W) Employing Functionalized Terephthalate Bridges:â€‰% Toward Molecular Rheostats and Switches. <i>Journal of the American Chemical Society</i> , 2005, 127, 18150-18158.	13.7	43
38	Long-Range Electronic Coupling of MM Quadruple Bonds (M = Mo or W) via a 2,6-Azulenedicarboxylate Bridge. <i>Journal of the American Chemical Society</i> , 2005, 127, 15182-15190.	13.7	43
39	On the solvatochromic properties of the oxalate-bridged complexes [(tBuCO ₂) ₃ M ₂] ₂ (μ -O ₂ C ₂ O ₂) where M=Mo or W. <i>Inorganica Chimica Acta</i> , 2004, 357, 3877-3882.	2.4	11
40	3,6-Dioxypyridazine bridged tungstenâ€“tungsten quadruple bonds. Comparisons of electron delocalisation with oxalate bridged compounds. <i>Chemical Communications</i> , 2004, , 80-82.	4.1	6
41	Electronically-Coupled Tungstenâ€“Tungsten Quadruple Bonds:â€‰% Comparisons of Electron Delocalization in 3,6-Dioxypyridazine and Oxalate-Bridged Compounds. <i>Journal of the American Chemical Society</i> , 2004, 126, 8303-8313.	13.7	34
42	Thienyl Carboxylate Ligands Bound to and Bridging MM Quadruple Bonds, M = Mo or W:Â Models for Polythiophenes Incorporating MM Quadruple Bonds. <i>Inorganic Chemistry</i> , 2004, 43, 6334-6344.	4.0	49
43	Silverâ€“Phosphine Complexes of the Highly Methylated Carborane Monoanion [closo-1-H-CB11Me11]-. <i>Journal of the American Chemical Society</i> , 2004, 126, 1503-1517.	13.7	57
44	Bi- and tri-metallic {Cp*RhCl} fragments partnered with carborane monoanions [CB11H6Y6]? (Y = H, Br): control of nuclearity by choice of anion. <i>Applied Organometallic Chemistry</i> , 2003, 17, 388-392.	3.5	9
45	Investigation of the synthesis of {Mo(μ -5-C ₅ H ₅)(CO) ₃ }+fragments partnered with the monoanionic carboranes [closo-CB11H11Br] ⁻ , [closo-CB11H6Br6] ⁻ and [closo-HCB11Me11] ⁻ by silver salt metathesis and hydride abstraction. <i>Dalton Transactions</i> , 2003, , 2894-2904.	3.3	26
46	Rhodium Phosphines Partnered with the Carborane Monoanions [CB11H6Y6]- (Y = H, Br). Synthesis and Evaluation as Alkene Hydrogenation Catalysts. <i>Organometallics</i> , 2002, 21, 2856-2865.	2.3	83
47	Solution and Solid-State Structure of the Anion [Ag ₂ {closo-CB11H12}4] ²⁻ . <i>Inorganic Chemistry</i> , 2002, 41, 4567-4573.	4.0	32
48	Silver Phosphanes Partnered with Carborane Monoanions: Synthesis, Structures and Use as Highly Active Lewis Acid Catalysts in a Hetero-Dielsâ€“Alder Reaction. <i>Chemistry - A European Journal</i> , 2002, 8, 2088.	3.3	122
49	[(PPh ₃)Ag(HCB11Me11)]: A Complex with Intermolecular Agâ€“...â€“...H3C Interactions. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3694-3697.	13.8	41
50	Title is missing!. <i>Chemical Communications</i> , 2001, , 2286-2287.	4.1	40
51	Synthesis and characterisation of {Mo(μ -L)(CO) ₃ }+ (μ -Lâ€“...=â€“...C ₅ H ₅ or C ₅ Me ₅) fragments ligated with [CB11H12] ⁻ and derivatives. Isolation and structural characterisation of an intermediate in a silver salt metathesis reaction. <i>Dalton Transactions RSC</i> , 2001, , 277-283.	2.3	37
52	Chelating Monoborane Phosphines:â€‰% Rational and High-Yield Synthesis of [(COD)Rh{(μ -2-BH ₃)Ph ₂ PCH ₂ PPh ₂ }] [PF ₆] (COD = 1,5-cyclooctadiene). <i>Organometallics</i> , 2001, 20, 4434-4436.	2.3	48
53	Transition metal complexes of the weakly coordinating carborane anion [CB11H12] ⁻ : the first isolation and structural characterisation of an intermediate in a silver salt metathesis reaction. <i>Chemical Communications</i> , 2000, , 1055-1056.	4.1	27
54	Recent developments in the chemistry of metal-metal multiply bonded paddlewheel compounds. <i>Organometallic Chemistry</i> , 0, , 77-92.	0.6	15