Nathan J Patmore

List of Publications by Year
in descending order

54 papers	1,559 citations	279798 23 h-index	315739 38 g-index
62 all docs	62 docs citations	62 times ranked	1392 citing authors

#	Article	IF	Citations
1	Concerning the relative importance of enantiomorphic site vs. chain end control in the stereoselective polymerization of lactides: reactions of (R,R-salen)- and (S,S-salen)â€“aluminium alkoxides LAlOCH2R complexes (R = CH3and S-CHMeCl). Chemical Communications, 2005, , 127-129.	4.1	155
2	Studies of Electronic Coupling and Mixed Valency in Metalâ^'Metal Quadruply Bonded Complexes Linked by Dicarboxylate and Closely Related Ligands. Accounts of Chemical Research, 2007, 40, 19-27.	15.6	138
3	Silver Phosphanes Partnered with Carborane Monoanions: Synthesis, Structures and Use as Highly Active Lewis Acid Catalysts in a Hetero-Dielsâ€“Alder Reaction. Chemistry - A European Journal, 2002, 8, 2088.	3.3	122
4	Rhodium Phosphines Partnered with the Carborane Monoanions [CB11H6Y6]-(Y = H, Br). Synthesis and Evaluation as Alkene Hydrogenation Catalysts. Organometallics, 2002, 21, 2856-2865.	2.3	83
5	Silverâ^'Phosphine Complexes of the Highly Methylated Carborane Monoanion [closo-1-H-CB11Me11]-. Journal of the American Chemical Society, 2004, 126, 1503-1517.	13.7	57
6	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
7	Thienyl Carboxylate Ligands Bound to and Bridging MM Quadruple Bonds, M = Mo or W:Â Models for Polythiophenes Incorporating MM Quadruple Bonds. Inorganic Chemistry, 2004, 43, 6334-6344.	4.0	49
8	Chelating Monoborane Phosphines:â€‰ Rational and High-Yield Synthesis of [(COD)Rh{(Î·2-BH3)Ph2PCH2PPh2}][PF6] (COD = 1,5-cyclooctadiene). Organometallics, 2001, 20, 4434-4436.	2.3	48
9	An iron-catalysed Câ€“C bond-forming spirocyclization cascade providing sustainable access to new 3D heterocyclic frameworks. Nature Chemistry, 2017, 9, 396-401.	13.6	44
10	Electronically Coupled MM Quadruply-Bonded Complexes (M = Mo or W) Employing Functionalized Terephthalate Bridges:â€‰ Toward Molecular Rheostats and Switches. Journal of the American Chemical Society, 2005, 127, 18150-18158.	13.7	43
11	Long-Range Electronic Coupling of MM Quadruple Bonds (M = Mo or W) via a 2,6-Azulenedicarboxylate Bridge. Journal of the American Chemical Society, 2005, 127, 15182-15190.	13.7	43
12	Efficient electron transfer across hydrogen bond interfaces by proton-coupled and -uncoupled pathways. Nature Communications, 2019, 10, 1531.	12.8	42
13	[(PPh3)Ag(HCB11Me11)]: A Complex with Intermolecular Agâ‹…â‹…â‹…H3C Interactions. Angewandte Chemie - International Edition, 2002, 41, 3694-3697.	13.8	41
14	Title is missing!. Chemical Communications, 2001, , 2286-2287.	4.1	40
15	Mixed Valency in Hydrogen Bonded â€˜Dimers of Dimersâ€™. Journal of the American Chemical Society, 2013, 135, 1723-1726.	13.7	39
16	Synthesis and characterisation of {Mo(Î·-L)(CO)3}+ (Î·-Lâ€…=â€…C5H5 or C5Me5) fragments ligated with [CB11H12]â^' and derivatives. Isolation and structural characterisation of an intermediate in a silver salt metathesis reaction. Dalton Transactions RSC, 2001, , 277-283.	2.3	37
17	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
18	Electronically-Coupled Tungstenâ^'Tungsten Quadruple Bonds:â€‰ Comparisons of Electron Delocalization in 3,6-Dioxypyridazine and Oxalate-Bridged Compounds. Journal of the American Chemical Society, 2004, 126, 8303-8313.	13.7	34

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19	Quadruply Bonded Dimetal Units Supported by 2,4,6-Triisopropylbenzoates MM(TiPB)4 (MM = Mo2,) Tj ETQq1 1 0.784314 rgBT /Ove	4.0	33
20	Solution and Solid-State Structure of the Anion [Ag2{closo-CB11H12}4]2-. Inorganic Chemistry, 2002, 41, 4567-4573.	4.0	32
21	Transition metal complexes of the weakly coordinating carborane anion [CB11H12]â^: the first isolation and structural characterisation of an intermediate in a silver salt metathesis reaction. Chemical Communications, 2000, , 1055-1056.	4.1	27
22	Hydrogen Bonding and Electron Transfer between Dimetal Paddlewheel Compounds Containing Pendant 2-Pyridone Functional Groups. Inorganic Chemistry, 2013, 52, 9683-9691.	4.0	27
23	Investigation of the synthesis of {Mo(Î·5-C5H5)(CO)3}+fragments partnered with the monoanionic carboranes [closo-CB11H11Br]â^, [closo-CB11H6Br6]â^'and [closo-HCB11Me11]â^'by silver salt metathesis and hydride abstraction. Dalton Transactions, 2003, , 2894-2904.	3.3	26
24	Tuning the electronic structure of Moâ€“Mo quadruple bonds by N for O for S substitution. Dalton Transactions, 2012, 41, 6641.	3.3	22
25	New Metalâ^'Organic Polygons Involving MM Quadruple Bonds:Â M8(O2CtBu)4(Î¼-SC4H2-3,4-{CO2}2)6(M =) Tj ETQq1 1 0.784314 rg	4.0	21
26	Oxalate Bridged Triangles Incorporating Mo₂⁴⁺ Units. Electronic Structure and Bonding. Inorganic Chemistry, 2010, 49, 7116-7122.	4.0	19
27	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
28	Concerning the Electronic Coupling of MoMo Quadruple Bonds Linked by 4,4â€˜-Azodibenzoate and Comparison with t2g6-Ru(II) Centers by 4,4â€˜-Azodiphenylcyanamido Ligands. Inorganic Chemistry, 2006, 45, 11035-11042.	4.0	15
29	Recent developments in the chemistry of metal-metal multiply bonded paddlewheel compounds. Organometallic Chemistry, 0, , 77-92.	0.6	15
30	Relationship between metalâ€“metal bond length and internal rotation in diruthenium tetracarboxylate paddlewheel complexes. Dalton Transactions, 2009, , 259-261.	3.3	12
31	Unexpected structural and electronic effects of internal rotation in diruthenium paddlewheel complexes containing bulky carboxylate ligands. Inorganica Chimica Acta, 2010, 363, 3856-3864.	2.4	12
32	Molecular, electronic structure and spectroscopic properties of MM quadruply bonded units supported by trans-6-carboethoxy-2-carboxylatoazulene ligands. Dalton Transactions, 2010, 39, 1979.	3.3	12
33	On the solvatochromic properties of the oxalate-bridged complexes [(tBuCO2)3M2]2(Î¼-O2C2O2) where M=Mo or W. Inorganica Chimica Acta, 2004, 357, 3877-3882.	2.4	11
34	Electronically-coupled MM quadruply-bonded complexes of molybdenum and tungsten. Chemical Record, 2005, 5, 308-320.	5.8	11
35	Platinum(<scp>ii</scp>) complexes of mixed-valent radicals derived from cyclotricatechylene, a macrocyclic tris-dioxolene. Chemical Science, 2015, 6, 6935-6948.	7.4	11
36	Mechanistic insight into proton-coupled mixed valency. Chemical Communications, 2016, 52, 100-103.	4.1	11

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37	Dimolybdenum Bis-2,4,6-triisopropyl-benzoate Bis-4-isonicotinate: A Redox Active Analogue of 4,4â€²-Bipyridine with Ambivalent Properties. Inorganic Chemistry, 2008, 47, 9248-9255.	4.0	10
38	Bi- and tri-metallic {Cp*RhCl} fragments partnered with carborane monoanions [CB11H6Y6]? (Y = H, Br): control of nuclearity by choice of anion. Applied Organometallic Chemistry, 2003, 17, 388-392.	3.5	9
39	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
40	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
41	2,5-Dianilinoterephthalate bridged MM quadruply bonded complexes of molybdenum and tungsten. Dalton Transactions, 2007, , 91-96.	3.3	7
42	Photophysical properties of metal complexes. Annual Reports on the Progress of Chemistry Section A, 2008, 104, 498.	0.8	7
43	Dihydrogen phosphate-containing dinuclear double assemblies that demonstrate phosphate reactivity to the tetrafluoroborate anion. Chemical Communications, 2018, 54, 9159-9162.	4.1	7
44	Demanding applications in harsh environment â€“ FeCrMnNiC amorphous equiatomic alloy thin film. Materials Science and Technology, 2020, 36, 1301-1307.	1.6	7
45	3,6-Dioxypyridazine bridged tungstenâ€“tungsten quadruple bonds. Comparisons of electron delocalisation with oxalate bridged compounds. Chemical Communications, 2004, , 80-82.	4.1	6
46	Oxalate bridged heteronuclear compounds containing MM quadruple bonds (Mâ€,=â€,Mo and W) and their radical cations. Canadian Journal of Chemistry, 2009, 87, 88-94.	1.1	6
47	Structural, spectroscopic and theoretical studies of a diruthenium(II,II) tetraformamidinate that reversibly binds dioxygen. Polyhedron, 2016, 103, 87-93.	2.2	6
48	Synthesis and Characterisation of Diruthenium Paddlewheel Compounds Bearing 2,6-Di(p-tolyl)benzoate Ligands. Journal of Cluster Science, 2010, 21, 339-350.	3.3	5
49	Rigidification of a macrocyclic tris-catecholate scaffold leads to electronic localisation of its mixed valent redox product. Chemical Communications, 2019, 55, 2281-2284.	4.1	4
50	Structural, spectroscopic and theoretical studies of diosmium(iii,iii) tetracarboxylates. Dalton Transactions, 2013, 42, 13118.	3.3	3
51	Photophysical properties of metal complexes. Annual Reports on the Progress of Chemistry Section A, 2007, 103, 518.	0.8	1
52	Photophysical properties of metal complexes. Annual Reports on the Progress of Chemistry Section A, 2009, 105, 525.	0.8	1
53	Recent advances in the chemistry of metalâ€“metal quadruple bonds. Organometallic Chemistry, 2015, , 88-106.	0.6	1
54	Malcolm H. Chisholm â€“ A Memoir. Comments on Inorganic Chemistry, 2016, 36, 183-195.	5.2	0