

R John Errington

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.

81
papers

2,161
citations

25
h-index

42
g-index

85
ext. papers

2,323
ext. citations

5.5
avg, IF

3.94
L-index

#	Paper	IF	Citations
81	Structural Characterization of Cerium-encapsulated Preyssler-type Phosphotungstate: Additional Evidence of Ce(III) in the Cavity. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 1239-1244	14.3	1
80	Ultrahigh Proton Conduction via Extended Hydrogen-Bonding Network in a Preyssler-Type Polyoxometalate-Based Framework Functionalized with a Lanthanide Ion. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19138-19147	9.5	5
79	Activation of H ₂ O ₂ over Zr(IV). Insights from Model Studies on Zr-Monosubstituted Lindqvist Tungstates. <i>ACS Catalysis</i> , 2021 , 11, 10589-10603	13.1	5
78	Self-assembly of amphiphilic polyoxometalates for the preparation of mesoporous polyoxometalate-titania catalysts. <i>Nanoscale</i> , 2020 , 12, 22245-22257	7.7	7
77	Why Does Nb(V) Show Higher Heterolytic Pathway Selectivity Than Ti(IV) in Epoxidation with H ₂ O ₂ ? Answers from Model Studies on Nb- and Ti-Substituted Lindqvist Tungstates. <i>ACS Catalysis</i> , 2019 , 9, 6262-6275	13.1	22
76	Bonding Insights from Structural and Spectroscopic Comparisons of {SnW} and {TiW} Alkoxido- and Aryloxido-Substituted Lindqvist Polyoxometalates. <i>Chemistry - A European Journal</i> , 2018 , 24, 2750-2757	4.8	1
75	Synthesis, Structural and Electrochemical Properties of the [Sb ^{III} 2SiMo ₁₂ O ₄₀] ⁴⁻ anion, a Bicapped Keggin Polyoxometalate. <i>Current Inorganic Chemistry</i> , 2018 , 7, 13-20		
74	Nonaqueous Polyoxometalate Synthesis for Systematic Studies of Hydrolysis, Protonation, and Reduction. <i>Advances in Inorganic Chemistry</i> , 2017 , 69, 287-336	2.1	3
73	Alkoxido-Derivatised Lindqvist- and Keggin-Type Polyoxometalates. <i>Structure and Bonding</i> , 2017 , 139-163	9	
72	¹⁷ O NMR chemical shifts in oxometalates: from the simplest monometallic species to mixed-metal polyoxometalates. <i>Chemical Science</i> , 2014 , 5, 2031	9.4	37
71	A redox-triggered structural rearrangement in an iodate-templated polyoxotungstate cluster cage. <i>Chemical Communications</i> , 2013 , 49, 9731-3	5.8	12
70	An alkoxido-tin-substituted polyoxometalate [(MeO)SnW ₅ O ₁₈] ³⁻ : the first member of a new family of reactive {SnW ₅ } Lindqvist-type anions. <i>Chemistry - A European Journal</i> , 2012 , 18, 59-62	4.8	13
69	Protonolysis of [(iPrO)TiMo ₅ O ₁₈] ³⁻ : access to a family of TiMo ₅ Lindqvist type polyoxometalates. <i>Dalton Transactions</i> , 2012 , 41, 971-81	4.3	21
68	Rational addition of capping groups to the phosphomolybdate Keggin anion [PMo ₁₂ O ₄₀] ⁽³⁻⁾ by mild, non-aqueous reductive aggregation. <i>Chemical Communications</i> , 2012 , 48, 2779-81	5.8	23
67	Synthesis and Structure of the Alkoxido-Titanium Pentamolybdate (nBu ₄ N) ₃ [(iPrO)TiMo ₅ O ₁₈]: An Entry into Systematic TiMo ₅ Reactivity. <i>Journal of Cluster Science</i> , 2010 , 21, 503-514	3	23
66	Extending the Lindqvist Family to Late 3d Transition Metals: A Rational Entry to CoW ₅ Hexametalate Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 5240-5246	2.3	25
65	Non-aqueous synthetic methodology for TiW(5) polyoxometalates: protonolysis of [(MeO)TiW(5)O(18)] ⁽³⁻⁾ with alcohols, water and phenols. <i>Dalton Transactions</i> , 2007 , 5211-22	4.3	30

64	Synthesis and reactivity of the methoxozirconium pentatungstate (nBu ₄ N) ₆ {(μ-MeO)ZrW ₅ O ₁₈ } ₂ : insights into proton-transfer reactions, solution dynamics, and assembly of {ZrW ₅ O ₁₈ } ₂ - building blocks. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12181-96	16.4	62
63	Bis(tetrabutylammonium) hexalato-bis[dibromidodioxidotungstate(VI)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, m1269-m1270		1
62	Homoleptic Bismuth Amides. <i>Inorganic Syntheses</i> , 2007 , 98-101		12
61	The structural characterization of the first mononuclear alkoxide cation: Isolation and X-ray study of [Mo(OMe) ₅ (CH ₃ CN)]Bi ₂ Cl ₇ . <i>Inorganic Chemistry Communication</i> , 2005 , 8, 503-505	3.1	9
60	Covalent immobilization of a TiW ₅ polyoxometalate on derivatized silicon surfaces. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1254-7	16.4	88
59	Covalent Immobilization of a TiW ₅ Polyoxometalate on Derivatized Silicon Surfaces. <i>Angewandte Chemie</i> , 2005 , 117, 1280-1283	3.6	15
58	Dimeric Aluminum Chloride Complexes of N-Alkoxyalkyl-β-ketoimines: Activation with Propylene Oxide To Form Efficient Lactide Polymerization Catalysts. <i>Organometallics</i> , 2004 , 23, 2382-2388	3.8	62
57	An alkoxide cluster with 18 Li ⁺ ions encapsulating two borate anions, [((t)BuO) ₁₂ Li ₁₈ (BO ₃) ₂]. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003 , 59, m231-3		7
56	Tetrakis(β-phenoxo-acetonitrilelithium), a tetrameric lithium aryloxide with a cubane core. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003 , 59, m137-m139		4
55	Direct Bromination of Keggin Fragments To Give [PW ₆ O ₄ Br] ₆ : A Polyoxotungstate with a Hexabrominated Face. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 3884-3886	16.4	20
54	Tetraphenoxoborate complexes of barium: crystal structures of the metalborates [Ba(thf) ₄ {B(OPh) ₄ } ₂] and [Ba(dme) ₂ {B(OPh) ₄ } ₂]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 3533-3534		8
53	N-Alkoxy-β-ketoiminate Complexes of Groups 4 and 5: Synthesis and Characterization of the Complexes [(E-C ₅ H ₄ R)M{CH ₃ C(O)CHC(NCH ₂ CHR)CH ₃ }Cl _n] (M = Ti, n = 1; M = Nb, n = 2; R = H, Me; R ^E = H, Me), [Ti{CH ₃ C(O)CHC(NCH ₂ CHR)CH ₃ }Cl ₂ (thf)], and [Nb{CH ₃ C(O)CHC(NCH ₂ CHR)CH ₃ }Cl ₂ (thf)]	3.8	39
52	Organophosphate derivatives of titanium and niobium alkoxoanions. Dedicated to Professor Ken Wade on the occasion of his 65th birthday, in appreciation of his friendly help and advice over the years.1. <i>Journal of Organometallic Chemistry</i> , 1998 , 550, 473-476	2.3	20
51	β-diketonate derivatives of titanium alkoxides: X-ray crystal structures and solution dynamics of the binuclear complexes [Ti(OR) ₃ (dik)] ₂ . <i>Polyhedron</i> , 1998 , 17, 659-674	2.7	68
50	Polymerization of Ethylene by the Electrophilic Mixed Cyclopentadienylpyridylalkoxide Complexes [CpM{NC ₅ H ₄ (CR ₂ O)- ₂ }Cl ₂] (M = Ti, Zr, R = Ph, Pri). <i>Organometallics</i> , 1998 , 17, 3408-3410	3.8	77
49	Alkoxide hydrolysis as a route to early transition-metal polyoxometalates: synthesis and crystal structures of heteronuclear hexametallate derivatives. <i>Journal of the Chemical Society Dalton Transactions</i> , 1996 , 681		58
48	Tetrahydrofuran Adducts of Bismuth Trichloride and Bismuth Tribromide. <i>Inorganic Chemistry</i> , 1996 , 35, 3709-3712	5.1	29
47	Functionalisation of [Mo ₆ O ₁₉] ₂ ⁴⁻ with aromatic amines: synthesis and structure of a hexamolybdate building block with linear difunctionality. <i>Journal of the Chemical Society Chemical Communications</i> , 1995 , 455-456		108

- 46 Synthetic and structural Studies on Organomolybdenum-Bismuth Halide Complexes. *Zeitschrift Fur Anorganische Und Allgemeine Chemie*, **1994**, 620, 457-466 1.3 12
- 45 Structure of BiBr₂Ph: a solid-state architecture involving secondary bonding and π interactions. *Journal of Materials Chemistry*, **1994**, 4, 891-893 19
- 44 Synthetic and structural studies on bismuth(III) thiocyanate and selenocyanate complexes. *Journal of the Chemical Society Dalton Transactions*, **1994**, 1327 23
- 43 Evidence for rapid ligand redistribution in non-aqueous tungstate chemistry: rational synthesis of the binuclear tungsten oxoalkoxide [W₂O₅(OMe)₄]₂. *Journal of the Chemical Society Chemical Communications*, **1993**, 1105 12
- 42 Non-aqueous routes to a new polyoxotungstate. *Journal of the Chemical Society Chemical Communications*, **1993**, 649 15
- 41 Structural studies on phenyl bismuth halides and halogenoanions. Part 2. X-Ray crystal structures of [BiPhCl₂(thf)](thf = tetrahydrofuran), [NBun₄]₂[Bi₂Ph₂Br₆] and [NEt₄][BiPh₂I₂]. *Journal of the Chemical Society Dalton Transactions*, **1993**, 637 45
- 40 Synthetic and structural studies on organotransition metal bismuth nitrates. *Journal of the Chemical Society Dalton Transactions*, **1993**, 1201-1205 10
- 39 A new tetratungstate, [W₄O₄Cl₁₀(NBut)₄]₂ and its degradation to the mononuclear complex [WCl₂(NBut)-(bipy)] or [WCl₂(NBut)₂(bipy)](bipy = 2,2'-bipyridine). *Journal of the Chemical Society Dalton Transactions*, **1993**, 1965-1971 14
- 38 Structural studies on phenyl bismuth halides and halogenoanions. *Journal of the Chemical Society Dalton Transactions*, **1992**, 1967 64
- 37 Edge-shared, bioctahedral, bismuth phosphine complexes. *Journal of the Chemical Society Dalton Transactions*, **1992**, 1753 14
- 36 Anionic, four-co-ordinate, ten-electron bismuth complexes: aspects of synthesis, structure and bonding. *Journal of the Chemical Society Dalton Transactions*, **1992**, 3515 14
- 35 Structural studies on organotransition-metal bismuth complexes. *Journal of the Chemical Society Dalton Transactions*, **1992**, 193-201 17
- 34 Solid-state and solution studies of tungsten(VI) organoimidoalkoxides. *Journal of the Chemical Society Dalton Transactions*, **1992**, 3189 7
- 33 Solid state and solution studies of tungsten(VI) oxotetraalkoxides. *Journal of the Chemical Society Dalton Transactions*, **1992**, 1431 40
- 32 X-ray crystal structure of [WCl₃(PMe₂Ph)₂]₂ [NC₆H₄N-1,4]]. The first structural characterization of a binuclear complex containing a 1,4-phenylenediimido bridge. *Polyhedron*, **1992**, 11, 381-384 2.7 14
- 31 Anionic, four-coordinate, 10-electron bismuth complexes. *Polyhedron*, **1991**, 10, 123-126 2.7 14
- 30 A mononuclear tert-butylimido complex of niobium(V). X-ray crystal structure of [Ph₃PCH₂Ph][Nb(NBut)Cl₄(py)] [CH₂Cl₂. *Polyhedron*, **1991**, 10, 1959-1961 2.7 13
- 29 A Phosphine Complex of Bismuth(III): X-ray Crystal Structure of [PMe₃H][Bi₂Br₇(PMe₃)₂]. *Chemische Berichte*, **1991**, 124, 2457-2459 41

- 28 Bismuth complexes containing Mn(CO)₅ and Re(CO)₅ fragments. Synthetic studies and structural characterisation by solid- and solution-state extended X-ray absorption fine structure spectroscopy. *Journal of the Chemical Society Dalton Transactions*, **1991**, 669 16
- 27 Dibismuth as a four-electron donor ligand. Synthesis and molecular and electronic structure of [M₂(CO)₄(η -C₅H₄Me)₂(η - η -Bi₂)] (M = Mo or W). *Journal of the Chemical Society Dalton Transactions*, **1991**, 2887-2895 17
- 26 X-ray crystal structure of bismuth dimethylamide. *Inorganic Chemistry*, **1991**, 30, 4680-4682 5.1 43
- 25 Alkyl and aryl dimetalla-bismuthine complexes. *Journal of Organometallic Chemistry*, **1990**, 399, C21-C25 2.3 14
- 24 Synthesis of a tetranuclear chromium(III) complex containing a central η -4-oxo and two- η -3-sulphato ligands: X-ray crystal structure of [Ph₄P]₃[Cr₄O(η -3-SO₄)₃(η -Cl)₅Cl₄] η -MeCN. *Journal of the Chemical Society Chemical Communications*, **1990**, 1565-1566 9
- 23 Synthesis and characterisation of binuclear and trinuclear organoimido complexes of tungsten(VI) and -(V) and a binuclear tungsten(V) oxoanion. X-Ray crystal structures of [(WCl₄(NEt)₂)₂], [P(CH₂Ph)Ph₃][W₃Cl₇(NBut)₃(η -NPh)₃], [P(CH₂Ph)Ph₃][W₂Cl₇(NR)₂] (R = Et or Ph), and [P(CH₂Ph)Ph₃][W₂Cl₇(NR)₂] (R = Et or Ph). *Journal of the Chemical Society Dalton Transactions*, **1990**, 1919-1951 20
- 22 Synthetic studies on cobalt carbonyl complexes containing antimony and bismuth. Crystal structures of [SbO(OH){Co(CO)₃L}₂][L = PPh₃ or P(C₆H₄Me-p)₃]. *Journal of the Chemical Society Dalton Transactions*, **1990**, 2375 13
- 21 Transition Metal Complexes Incorporating Atoms of the Heavier Main-Group Elements. *Advances in Organometallic Chemistry*, **1990**, 91-182 3.8 122
- 20 Synthesis and X-ray crystal structure of a homoleptic bismuth amide. *Polyhedron*, **1989**, 8, 1579-1580 2.7 38
- 19 Polytungstate self-assembly: structures of the new oxoanions, [W₄(NBut)₄O₄Cl₁₀]₂ η and [W₆O₁₄Cl₁₀]₂ η . *Polyhedron*, **1989**, 8, 1788-1789 2.7 8
- 18 Synthesis and X-ray crystal structure of a dimolybdenum complex featuring a transverse-bridging, four-electron-donor dibismuth ligand; [Mo₂(CO)₄(η -C₅H₄Me)₂(η -Bi₂)]. *Polyhedron*, **1988**, 7, 2239-2241 2.7 23
- 17 Synthetic and structural studies on organomolybdenum and organotungsten complexes containing bismuth. X-Ray crystal structures of [BiCl{Mo(CO)₃(η -C₅H₅)₂}₂] and [BiCl{Mo(CO)₂(CNBut)(η -C₅H₅)₂}₂]. *Journal of the Chemical Society Dalton Transactions*, **1988**, 2941-2951 21
- 16 Tetranuclear halide-alkoxide clusters of molybdenum formed by the coupling of M-M triple-bonded dinuclear compounds. Synthesis, characterization, and molecular structures of Mo₄F₂(O-iso-Pr)₁₀, Mo₄X₃(O-iso-Pr)₉, and Mo₄X₄(O-iso-Pr)₈ (X = chloride, bromide, iodide). *Inorganic Chemistry*, **1988**, 27, 2071-2084 5.1 17
- 15 Synthesis and structural characterisation of some cyclopentadienylironbismuth complexes. *Journal of the Chemical Society Dalton Transactions*, **1988**, 1671-1678 25
- 14 Bis-organoimido complexes of tungsten(VI). The crystal and molecular structure of bipyridyldichlorobis(phenylimido)tungsten(VI), [WCl₂(NPh)₂(bipy)]. *Journal of the Chemical Society Chemical Communications*, **1987**, 170 12
- 13 Bis(organoimido)-complexes of tungsten(IV): the crystal and molecular structures of tetrachlorobis(t-butylamine)bis(t-butylimido)bis(η -p-tolylimido)-ditungsten(VI) and tetrachlorobis(η -phenylimido)-bis(t-butylamine) bis(t-butylimido)ditungsten(VI). *Journal of the Chemical Society Dalton Transactions*, **1987**, 2219-2245 15
- 12 Preparation and characterisation of mononuclear organoimido complexes of tungsten: X-ray crystal structures of [WCl₄(NC₆H₄Me-p)(thf)], [P(CH₂Ph)Ph₃][WCl₅(NC₆H₄Me-p)], and [WCl₂(NPh)₂(bipy)]. *Journal of the Chemical Society Dalton Transactions*, **1987**, 2067 16
- 11 Synthesis and x-ray crystal structure of [(C₅H₄Me)Fe(CO)₂]₂BiCl₃: A compound containing a planar six-membered Bi₃Cl₃ ring. *Polyhedron*, **1987**, 6, 2031-2033 2.7 19

10	The synthesis of some organo-molybdenum and -tungsten complexes containing bismuth. <i>Journal of Organometallic Chemistry</i> , 1987 , 335, C1-C5	2.3	11
9	Preparation, characterisation, and X-ray crystal structure of [W ₂ Cl ₄ (NHBut) ₂ (NH ₂ But) ₂]: a triply-bonded ditungsten compound containing t-butylamido ligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1986 , 1305		11
8	A novel dimeric organoimido tungsten(VI) Compound. X-ray crystal and molecular structure of [W(NBu-tert.) (2-NPh)Cl ₂ (tert.-BNH ₂)] ₂ . <i>Polyhedron</i> , 1983 , 2, 843-847	2.7	17
7	Square and butterfly, 12-electron molybdenum (Mo ₄) clusters formed by coupling molybdenum-molybdenum triple bonds. <i>Journal of the American Chemical Society</i> , 1982 , 104, 2025-2027	16.4	24
6	Transition metal-carbon bonds. Part 52. Large ring and cyclometallated complexes formed from But ₂ PCH ₂ CH ₂ CHRCH ₂ CH ₂ PBut ₂ (R = H or Me) and IrCl ₃ , or [Ir ₂ Cl ₄ (cyclo-octene) ₄]: crystal structures of the cyclometallated hydride, [IrHCl(But ₂ PCH ₂ CH ₂ CHCH ₂ CH ₂ PBut ₂)], and the carbene complex [IrCl(But ₂ PCH ₂ CH ₂ CCH ₂ CH ₂ PBut ₂)]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1982 , 1217-1224		71
5	Further studies on the interconversion of large ring and cyclometallated complexes of rhodium, with the diphosphines But ₂ P(CH ₂) ₅ PBut ₂ and But ₂ PCH ₂ CHCHCH ₂ PBut ₂ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1982 , 387-395		32
4	Transition metal-carbon bonds. Part 54. Complexes of palladium, platinum, rhodium, and iridium with But ₂ PCH ₂ CHMe(CH ₂) ₃ PBut ₂ . Crystal structures of [PdCl(But ₂ PCH ₂ CHMeCHCH ₂ CH ₂ PBut ₂)] and [IrH(Cl)(But ₂ PCH ₂ CHMeCHCH ₂ CH ₂ PBut ₂)]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1982 , 1829-1835		47
3	The preparation of fluxional tetrahydrides, (R = H or Me) and their reactions with CO, ButNC or HBr. <i>Journal of Organometallic Chemistry</i> , 1982 , 238, 319-325	2.3	22
2	Large-ring and cyclometalated rhodium complexes from some medium-chain .alpha.,.omega.-diphosphines. <i>Journal of the American Chemical Society</i> , 1980 , 102, 4373-4379	16.4	98
1	Rapid reversible fission of a C≡H bond in a metal complex: X-ray crystal structure of [RhHCl(But ₂ PCH ₂ CH ₂ CHCH ₂ CH ₂ PBut ₂)]. <i>Journal of the Chemical Society Chemical Communications</i> , 1979 , 498-499		77