

Neil Burford

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	2,6-Bis(benzimidazol-2-yl)pyridines as more electron-rich and sterically accessible alternatives to 2,6-bis(imino)pyridine for group 13 coordination chemistry. Dalton Transactions, 2019, 48, 1284-1291.	3.3	12
2	Halogen and Sulfur Oxidation of Germanium and Tin Dications. Inorganic Chemistry, 2019, 58, 6238-6245.	4.0	9
3	2,6-Bis(benzimidazol-2-yl)pyridine complexes of group 14 elements. Dalton Transactions, 2019, 48, 7835-7843.	3.3	18
4	Tris(1-ethylbenzimidazol-2-yl)phosphane Complexes of Pnictogen, Tetrel, and Triel Cations. Chemistry - A European Journal, 2018, 24, 4718-4723.	3.3	11
5	Complexes of Stiboranium Mono-, Di-, and Trications. Chemistry - A European Journal, 2018, 24, 4011-4013.	3.3	9
6	Pyridine, thiophosphine, and selenophosphine complexes of the phenylphosphine dication. Canadian Journal of Chemistry, 2018, 96, 689-693.	1.1	4
7	Oxidation of a germanium(II) dication to access cationic germanium(IV) fluorides. Chemical Communications, 2018, 54, 4140-4143.	4.1	17
8	Reversible Oxidative Se-Se Coupling of Phosphine Selenides by Ph ₃ Sb(OTf) ₂ . Chemistry - A European Journal, 2018, 24, 85-88.	3.3	4
9	Synthesis, characterization and mass-spectrometric analysis of [LSn(IV)F ₄] ^{x+} salts [L = tris((1-ethyl-benzimidazol-2-yl)methyl)amine, <i>x</i> = 1-4]. Dalton Transactions, 2018, 47, 16729-16736.	3.3	6
10	Tris(benzimidazol)amine (L) complexes of pnictogen(III) and pnictogen(V) cations and assessment of the [LP] ³⁺ /[LPF ₂] ³⁺ redox couple. Chemical Science, 2018, 9, 5837-5841.	7.4	11
11	Cationic 2,2'-bipyridine complexes of germanium(II) and tin(II). Dalton Transactions, 2017, 46, 8363-8366.	3.3	21
12	Tris(2-pyridyl)phosphine as a versatile ligand for pnictogen acceptors. Dalton Transactions, 2017, 46, 7681-7685.	3.3	15
13	[GaX ₂ (dmpe) ₂][GaX ₄] (X = Cl, Br, I): a synthetic, solid state, and computational study. Canadian Journal of Chemistry, 2017, 95, 346-350.	1.1	3
14	Substitution Reactions at Dipp-BIAN Supported Fluoroantimony Cations Yielding Cyanoantimony and Azidoantimony Cations. Chemistry - A European Journal, 2017, 23, 17363-17368.	3.3	4
15	Bond fission in monocationic frameworks: diverse fragmentation pathways for phosphinophosphonium cations. Chemical Science, 2016, 7, 2544-2552.	7.4	11
16	Coordination complexes of pnictogen(V) cations. Coordination Chemistry Reviews, 2016, 324, 1-16.	18.8	26
17	Complexes of trimethylsilyl trifluoromethanesulfonate with nitrogen, oxygen, and phosphorus donors. Canadian Journal of Chemistry, 2016, 94, 424-429.	1.1	17
18	Condensation Reactions of Chlorophosphanes with Chalcogenides. Inorganic Chemistry, 2016, 55, 1854-1860.	4.0	12

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19	Distinction between coordination and phosphine ligand oxidation: interactions of di- and triphosphines with Pn^{3+} ($Pn = P, As, Sb, Bi$). <i>Chemical Communications</i> , 2016, 52, 685-688.	4.1	23
20	2-Phosphino-1,3-diphosphonium ions. <i>Dalton Transactions</i> , 2016, 45, 2124-2129.	3.3	5
21	Reductive Catenation of Phosphine Antimony Complexes. <i>Angewandte Chemie</i> , 2015, 127, 7939-7943.	2.0	12
22	Reductive Catenation of Phosphine Antimony Complexes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7828-7832.	13.8	23
23	Establishing the Coordination Chemistry of Antimony(V) Cations: Systematic Assessment of $Ph_4Sb(OTf)$ and $Ph_3Sb(OTf)_2$ as Lewis Acceptors. <i>Chemistry - A European Journal</i> , 2015, 21, 7902-7913.	3.3	61
24	Synthesis and reactivity of cyclo-tetra(stibinophosphonium) tetracations: redox and coordination chemistry of phosphine-antimony complexes. <i>Chemical Science</i> , 2015, 6, 2559-2574.	7.4	39
25	Phosphine chalcogenide complexes of antimony(III) halides. <i>Canadian Journal of Chemistry</i> , 2015, 93, 375-379.	1.1	7
26	Bipyridine complexes of E^{3+} ($E = P, As, Sb, Bi$): strong Lewis acids, sources of $E(OTf)_3$ and synthons for E^+I^- and E^+V^- cations. <i>Chemical Science</i> , 2015, 6, 6545-6555.	7.4	75
27	Coordination Complexes of Ph_3Sb^{2+} and Ph_3Bi^{2+} : Beyond Pnictonium Cations. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3480-3483.	13.8	87
28	Interpnictogen Cations: Exploring New Vistas in Coordination Chemistry. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6050-6069.	13.8	83
29	Exploring structural trends for complexes of $Me_2E(OSO_2CF_3)_2$ ($E = Si, Ge, Sn$) with pyridine derivatives. <i>Chemical Communications</i> , 2014, 50, 7979.	4.1	19
30	2,2-Bipyridine Complexes of Antimony: Sequential Fluoride Ion Abstraction from SbF_3 by Exploiting the Fluoride Ion Affinity of Me_3Si^+ . <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2042-2045.	13.8	35
31	Assembly of a cyclo-tetrastibinotetraphosphonium Tetracation by Reductive Elimination. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4863-4866.	13.8	40
32	Me_3P complexes of p-block Lewis acids $SnCl_4$, $SnCl_3^+$ and $SnCl_2^{2+}$. <i>Chemical Communications</i> , 2012, 48, 7922.	4.1	20
33	Structural diversity for phosphine complexes of stibonium and stibinidenium cations. <i>Chemical Communications</i> , 2011, 47, 12331.	4.1	39
34	Prototypical arsine-triaryl adducts (R_3AsEX_3 for $E = B, Al, Ga$). <i>Canadian Journal of Chemistry</i> , 2010, 88, 797-803.	1.1	10
35	The Binary $Ph_2PCl/GaCl_3$ System: A Room Temperature Molten Medium for P-P Bond Formation. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 4343-4347.	2.0	24
36	Preparation and Characterization of a Ligand-Stabilized Trimethylphosphane Dication. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 4868-4872.	2.0	56

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37	Facile Synthetic Methods for the Diversification of Catena-Polyphosphorus Cations. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2364-2367.	13.8	66
38	Small Cyclopolyphosphinophosphonium Cations: Systematic Development of Fundamentalcatena-Phosphorus Frameworks. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6196-6199.	13.8	48
39	Identification of complexes containing glutathione with As(III), Sb(III), Cd(II), Hg(II), Tl(I), Pb(II) or Bi(III) by electrospray ionization mass spectrometry. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1992-1997.	3.5	96
40	Identification of new Nâ€“Sb topologies: understanding the sequential dehydrochloride coupling of primary amines and trichloropnictines. <i>Chemical Communications</i> , 2005, , 5074.	4.1	12
41	Hypervalent, Low-Coordinate Phosphorus(III) Centers in Complexes of the Phosphadiazonium Cation with Chelate Ligands. <i>Journal of the American Chemical Society</i> , 2005, 127, 3921-3927.	13.7	28
42	Arsinophosphonium Cations from Arsenium-phosphine and -bisphosphine Coordination Chemistry. <i>Inorganic Chemistry</i> , 2005, 44, 9453-9460.	4.0	38
43	Dissociation of 2,4-Bis(2,4,6-tri-tert-butylphenyl)-cyclo-1,3-dipnicta-2,4-diazanes (pnict = P, As, Sb) Imposed by Substituent Steric Strain: A Cyclobutane/Olefin Analogy. <i>Inorganic Chemistry</i> , 2005, 44, 8058-8064.	4.0	33
44	Synthesis ofcyclo-2,4,6-Triarsa-1,3,5-triazanes fromcyclo-2,4-Diarsa-1,3-diazanes Demonstrating the General Influence of Substituent Steric Strain on the Relative Stability of Pnictazane Oligomers. <i>Inorganic Chemistry</i> , 2005, 44, 5897-5902.	4.0	34
45	83Bi Bismuth-Based Pharmaceuticals. , 2005, , 529-540.		2
46	Definitive identification of lead(ii)-amino acid adducts and the solid state structure of a leadâ€“valine complex. <i>Chemical Communications</i> , 2004, , 332-333.	4.1	26
47	Gallium Halide Induced Heterocycle Expansion of Dihalodiphosphadiaryldiazanes [(XPNR) ₂] to the Corresponding Triphosphatriazanes [(XPNR) ₃]. <i>Inorganic Chemistry</i> , 2004, 43, 8245-8251.	4.0	37
48	Ylideneâ†“Iminophosphine Coordination Complexes and Reversible Dissociation of Dichlorophosphetidines. <i>Inorganic Chemistry</i> , 2004, 43, 7502-7507.	4.0	24
49	Diphosphineâ”Phosphenium Coordination Complexes Representing Monocations with Pendant Donors and Ligand Tethered Dications. <i>Journal of the American Chemical Society</i> , 2004, 126, 17067-17073.	13.7	46
50	Synthesis and Structures of Complexes Demonstrating the Coordinative Versatility of the 2,4-Diimino-3-phosphinopentene Anion ([³ -Phosphino- ^{1,2} -diketimate]). <i>Inorganic Chemistry</i> , 2004, 43, 734-738.	4.0	39
51	Donor-rich and acceptor-rich pyridine-phosphadiazonium adducts: Diversifying the Lewis acceptor chemistry of phosphorus(iii). <i>Chemical Communications</i> , 2004, , 2696.	4.1	24
52	Phosphine Coordination Complexes of the Diphenylphosphenium Cation: A Versatile Synthetic Methodology for Pâ”P Bond Formation. <i>Journal of the American Chemical Society</i> , 2003, 125, 14404-14410.	13.7	141
53	Chalcogeno-urea Ligands on a Phosphadiazonium Lewis Acceptor: A New Synthetic Approach to Châ”P Bonds (Ch = O, S, Se). <i>Inorganic Chemistry</i> , 2003, 42, 4949-4954.	4.0	17
54	Nitrogen Ligands on Phosphorus(III) Lewis Acceptors: A Versatile New Synthetic Approach to Unusual Nâ”P Structural Arrangements. <i>Inorganic Chemistry</i> , 2003, 42, 1087-1091.	4.0	47

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55	Homoatomic P ? P coordination: A versatile synthetic approach to polyphosphorus dications. <i>Chemical Communications</i> , 2003, , 2066.	4.1	19
56	Definitive identification of cysteine and glutathione complexes of bismuth by mass spectrometry: assessing the biochemical fate of bismuth pharmaceutical agents. <i>Chemical Communications</i> , 2003, , 146-147.	4.1	200
57	Transformations between Monomeric, Dimeric, and Trimeric Phosphazanes: Oligomerizing NP Analogues of Olefins. <i>Journal of the American Chemical Society</i> , 2002, 124, 14012-14013.	13.7	56
58	Coordination Chemistry Umpolung: A Gallane Ligand on a Phosphine Lewis Acceptor. <i>Journal of the American Chemical Society</i> , 2002, 124, 382-383.	13.7	55
59	New synthetic opportunities using Lewis acidic phosphines. <i>Dalton Transactions RSC</i> , 2002, , 4307-4315.	2.3	114
60	Comprehensive characterisation of bismuth thiosalicylate complexes: models for bismuth subsalicylate. <i>Chemical Communications</i> , 2002, , 1402-1403.	4.1	31
61	Nitrogen ligands on a phosphinic Lewis acceptor including a 2,2'-dipyridyl chelate complex. <i>Chemical Communications</i> , 2000, , 2087-2088.	4.1	22
62	The first ester complexes of bismuth(iii) using thiolate anchored bifunctional ligands. <i>Chemical Communications</i> , 2000, , 13-14.	4.1	11
63	Synthesis and Characterization of Bis(2,4,6-tris(trifluoromethyl)phenyl) Derivatives of Arsenic and Antimony: X-ray Crystal Structures of As(RF)2Cl, Sb(RF)2Cl, and Sb(RF)2OSO2CF3. <i>Organometallics</i> , 2000, 19, 152-155.	2.3	31
64	Bismuth Compounds and Preparations with Biological or Medicinal Relevance. <i>Chemical Reviews</i> , 1999, 99, 2601-2658.	47.7	543
65	Iminophosphine Cycloaddition Reactions of a Diazaphosphoniaaluminatacyclobutane and a Novel Intramolecular Phosphiridine P+P Coordination. <i>Inorganic Chemistry</i> , 1999, 38, 2248-2249.	4.0	30
66	Ab Initio Studies of the Contrasting Butadiene Cheletropic and Diels-Alder Cycloaddition Reactivities Observed for Carbenic-Phosphorus (Phosphenium) and Arsenic (Arsenium) Cations. <i>Organometallics</i> , 1998, 17, 4014-4029.	2.3	10
67	Structural Alternatives in R2(Cl)P:GaCl3 Systems (R = Alkyl, Phenyl), Including Examples of Intermolecular P+P Coordination. <i>Organometallics</i> , 1997, 16, 4712-4717.	2.3	75
68	Nitrogen-Phosphorus Multiple Bond Vibrational Assignments in the Infrared and Raman. <i>Inorganic Chemistry</i> , 1997, 36, 482-484.	4.0	12
69	Substituent Steric Strain: Enthalpic Estimates for the Consequences of Interactions between Bulky Substituents. <i>Inorganic Chemistry</i> , 1997, 36, 3204-3206.	4.0	35
70	Nucleophilic Addition of CH, NH, and OH Bonds to the Phosphadiazonium Cation and Interpretation of 31P Chemical Shifts at Dicoordinate Phosphorus Centers. <i>Inorganic Chemistry</i> , 1996, 35, 5460-5467.	4.0	58
71	Tethered Diarenes as Four-Site Donors to SbCl3. <i>Organometallics</i> , 1996, 15, 361-364.	2.3	14
72	Synthesis and Structures of Sb[N(H)(C6H2tBu3)]3 and Bi[N(H)(C6H2tBu3)]3: Implications for the Steric Limits of Supermesityl Substitution. <i>Inorganic Chemistry</i> , 1996, 35, 4013-4016.	4.0	33

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73	The 2D COSY NMR Spectrum of 1,3,4,7-Tetramethyl-1-Azonia-7-Aza-6-Arsabicyclo[4.3.0]non-3-ene Tetrachlorogallate. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 93, 397-398.	1.6	3
74	From a Heterocycle Through a Hetero(spiro)cycle to a "Genuine Heterocycle". Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 93, 463-464.	1.6	1
75	Evidence for the existence of phosphoazonium (iminophosphenium) and arsenoazonium ions in the gas phase by mass spectrometry. Organic Mass Spectrometry, 1994, 29, 414-418.	1.3	3
76	The First Cycloaddition Reactions of Dimeric Arsenium Cations. Angewandte Chemie International Edition in English, 1994, 33, 1267-1268.	4.4	28
77	Erste Cycloadditionsreaktionen mit dimeren Arsenium-Ionen. Angewandte Chemie, 1994, 106, 1332-1334.	2.0	11
78	Coordination Chemistry of Phosphenium and Arsenium Cations. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 93, 301-304.	1.6	10
79	Reaction of Mes NPC1 with Triphenylcarbenium Tetrafluoroborate. Phosphorus, Sulfur and Silicon and the Related Elements, 1994, 93, 379-380.	1.6	0
80	The stability of <i>Carbenic and Alkenic</i> Phosphorus Environments. Phosphorus, Sulfur and Silicon and the Related Elements, 1993, 76, 17-20.	1.6	2
81	Arsolidinium Cations. Phosphorus, Sulfur and Silicon and the Related Elements, 1992, 65, 87-90.	1.6	1
82	Novel Cyclisations of the Chalcogeno-Phosphoryl Unit and the Formation of Genuine Heterocycles. Phosphorus, Sulfur and Silicon and the Related Elements, 1992, 64, 137-144.	1.6	2
83	<i>pπ-pπ</i> Bonding Between Sulfur and the Heavier Elements of Group 15. Phosphorus, Sulfur and Silicon and the Related Elements, 1989, 41, 37-42.	1.6	6