

# Stuart D Robertson

## List of Publications by Year in descending order

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86  
papers

2,628  
citations

159585

30  
h-index

223800

46  
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96  
all docs

96  
docs citations

96  
times ranked

1546  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sigma/pi Bonding Preferences of Solvated Alkali-Metal Cations to Ditopic Arylmethyl Anions. Chemistry - A European Journal, 2022, 28, .	3.3	11
2	Reactivity studies and structural outcomes of a bulky dialkylaluminium amide in the presence of the N-heterocyclic carbene, ItBu. Polyhedron, 2021, 209, 115469.	2.2	2
3	Exploiting cation aggregation in new magnesium amidohaloaluminate electrolytes for magnesium batteries. Inorganic Chemistry Frontiers, 2020, 7, 2305-2312.	6.0	5
4	Structurally Mapping Alkyl and Amide Basicity in Zincate Chemistry: Diversity in the Synthesis of Mixed Sodium-Zinc Complexes and Their Applications in Enolate Formation. Organometallics, 2020, 39, 4273-4281.	2.3	9
5	A regioselectively 1,1,3,3-tetrazincated ferrocene complex displaying core and peripheral reactivity. Chemical Science, 2020, 11, 6510-6520.	7.4	8
6	Synthesis, Structure, and DFT Analysis of the THF Solvate of 2-Picolylithium: A 2-Picolylithium Solvate with Significant Carbanionic Character. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 726-733.	1.2	5
7	Alkali-Metal-Mediated Synergistic Effects in Polar Main Group Organometallic Chemistry. Chemical Reviews, 2019, 119, 8332-8405.	47.7	174
8	Donor-influenced Structure-Activity Correlations in Stoichiometric and Catalytic Reactions of Lithium Monoamido-Monohydrido-Dialkylaluminates. Chemistry - A European Journal, 2018, 24, 9940-9948.	3.3	52
9	NMR spectroscopic study of the adduct formation and reactivity of homoleptic rare earth amides with alkali metal benzyl compounds, and the crystal structures of [Li(TMEDA)2][Nd{N(SiMe3)2}3(CH2Ph)] and [Li(TMP)2Li(Ph)]2. Journal of Organometallic Chemistry, 2018, 857, 101-109.	1.8	13
10	Contrasting the group 6 metal-metal bonding in sodium dichromate(ii) and sodium dimolybdate(ii) polymethyl complexes: synthetic, X-ray crystallographic and theoretical studies. Dalton Transactions, 2017, 46, 5650-5659.	3.3	2
11	Exploring the solid state and solution structural chemistry of the utility amide potassium hexamethyldisilazide (KHMDs). Dalton Transactions, 2017, 46, 6392-6403.	3.3	20
12	Lithium Dihydropyridine Dehydrogenation Catalysis: A Group-1 Approach to the Cyclization of Diamine Boranes. Angewandte Chemie, 2017, 129, 1056-1061.	2.0	11
13	Lithium Dihydropyridine Dehydrogenation Catalysis: A Group-1 Approach to the Cyclization of Diamine Boranes. Angewandte Chemie - International Edition, 2017, 56, 1036-1041.	13.8	32
14	Alkali-metal-2-alkyl-1,2-dihydropyridines: Soluble Hydride Surrogates for Catalytic Dehydrogenative Coupling and Hydroboration Applications. Chemistry - A European Journal, 2017, 23, 16853-16861.	3.3	43
15	Synthesis, Structure and Solution Studies on Mixed Aryl/Alkyl Lithium Zincates. European Journal of Inorganic Chemistry, 2016, 2016, 4752-4760.	2.0	9
16	Accessible heavier s-block dihydropyridines: structural elucidation and reactivity of isolable molecular hydride sources. Dalton Transactions, 2016, 45, 6234-6240.	3.3	13
17	Tetraamine Me6TREN induced monomerization of alkali metal borohydrides and aluminohydrides. Polyhedron, 2016, 103, 94-99.	2.2	13
18	Exposing elusive cationic magnesium-chloro aggregates in aluminate complexes through donor control. Dalton Transactions, 2016, 45, 5590-5597.	3.3	21

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19	Developing Lithium Chemistry of 1,2-Dihydropyridines: From Kinetic Intermediates to Isolable Characterized Compounds. <i>Chemistry - A European Journal</i> , 2015, 21, 14410-14420.	3.3	23
20	Adding a Structural Context to the Deprotometalation and Trans-Metal Trapping Chemistry of Phenyl-Substituted Benzotriazole. <i>Chemistry - A European Journal</i> , 2015, 21, 14812-14822.	3.3	17
21	Structurally Defined Zincated and Aluminated Complexes of Ferrocene Made by Alkali-Metal Synergistic Syntheses. <i>Organometallics</i> , 2015, 34, 2580-2589.	2.3	42
22	Heterobimetallic metallation studies of N,N-dimethylphenylethylamine (DMPEA): benzylic C-H bond cleavage/dimethylamino capture or intact DMPEA complex. <i>Dalton Transactions</i> , 2015, 44, 5875-5887.	3.3	12
23	Facile synthesis of a genuinely alkane-soluble but isolable lithium hydride transfer reagent. <i>Chemical Communications</i> , 2015, 51, 5452-5455.	4.1	51
24	Two alternative approaches to access mixed hydride-amido zinc complexes: synthetic, structural and solution implications. <i>Dalton Transactions</i> , 2015, 44, 8169-8177.	3.3	18
25	Synthesis of an alkylmagnesium amide and interception of a ring-opened isomer of the important utility amide 2,2,6,6-tetramethylpiperidide (TMP). <i>Inorganica Chimica Acta</i> , 2014, 411, 1-4.	2.4	5
26	TMP (2,2,6,6-tetramethylpiperidide)-aluminate bases: lithium-mediated alumination or lithiation-alkylaluminium-trapping reagents?. <i>Chemical Science</i> , 2014, 5, 3031-3045.	7.4	67
27	Probing the metallating ability of a polybasic sodium alkylmagnesiato supported by a bulky bis(amido) ligand: deprotomagnesiato reactions of nitrogen-based aromatic substrates. <i>Dalton Transactions</i> , 2014, 43, 4361-4369.	3.3	14
28	Lithium, sodium and potassium picolyl complexes: syntheses, structures and bonding. <i>Dalton Transactions</i> , 2014, 43, 14265-14274.	3.3	35
29	Developing catalytic applications of cooperative bimetallics: competitive hydroamination/trimerization reactions of isocyanates catalysed by sodium magnesiate. <i>Chemical Communications</i> , 2013, 49, 8659.	4.1	43
30	Modifying Alkylzinc Reactivity with 2,2-Dipyridylamide: Activation of $\sigma$ -Zn Bonds for $\alpha$ -Alkylation of Benzophenone. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7190-7193.	13.8	24
31	Alkali-metal-mediated zincation (AMMz) meets N-heterocyclic carbene (NHC) chemistry: Zn-H exchange reactions and structural authentication of a dinuclear Au(I) complex with a NHC anion. <i>Chemical Science</i> , 2013, 4, 4259.	7.4	77
32	Contrasting Reactivity of Mono- versus Bis-2,2,6,6-tetramethylpiperidide Lithium Aluminates Towards Polydentate Lewis Bases: Co-Complexation Versus Deprotonation. <i>Australian Journal of Chemistry</i> , 2013, 66, 1189.	0.9	12
33	Donor-Activated Lithiation and Sodiation of Trifluoromethylbenzene: Structural, Spectroscopic, and Theoretical Insights. <i>Organometallics</i> , 2013, 32, 5481-5490.	2.3	21
34	A hetero-alkali-metal version of the utility amide LDA: lithium-potassium diisopropylamide. <i>Dalton Transactions</i> , 2013, 42, 3704.	3.3	13
35	Monomerizing Alkali-Metal 3,5-Dimethylbenzyl Salts with Tris(N <sub>2</sub> ) <sub>2</sub> . <i>Inorganic Chemistry</i> , 2013, 52, 12023-12032.	4.0	45
36	Synthetically Important Alkali-Metal Utility Amides: Lithium, Sodium, and Potassium Hexamethyldisilazides, Diisopropylamides, and Tetramethylpiperidides. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11470-11487.	13.8	172

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37	FascinATES: Mixed-Metal Ate Compounds That Function Synergistically. <i>Topics in Organometallic Chemistry</i> , 2013, , 129-158.	0.7	19
38	Concealed Cyclotrimeric Polymorph of Lithium 2,2,6,6-tetramethylpiperidide Unconcealed: X-ray Crystallographic and NMR Spectroscopic Studies. <i>Chemistry - A European Journal</i> , 2013, 19, 14069-14075.	3.3	35
39	Modern Developments in Magnesium Reagent Chemistry for Synthesis. <i>Topics in Organometallic Chemistry</i> , 2013, , 103-139.	0.7	43
40	<i>catena</i> -Poly[sodium- $\frac{1}{4}$ - $\times 2$ -( <i>N</i> , <i>N</i> , <i>N</i> , <i>N</i> -tetramethylethane-1,2-diamine)- $\frac{1}{2}$ ]- $\times 2$ /su Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m1468-m1468.	0.2	11
41	After-effects of lithium-mediated aluminations of 3-iodoanisole: isolation of molecular salt elimination and trapped-benzyne products. <i>Dalton Transactions</i> , 2012, 41, 1832-1839.	3.3	23
42	Regioselective heterohalogenation of 4-halo-anisoles via a series of sequential ortho-aluminations and electrophilic halogenations. <i>Chemical Communications</i> , 2012, 48, 4674.	4.1	25
43	Ambient temperature zincation of N-Boc pyrrolidine and its solvent dependency. <i>Chemical Communications</i> , 2012, 48, 5265.	4.1	17
44	Accessing low denticity coordination modes of a high denticity tripodal ligand to complete its coordinative repertoire. <i>Dalton Transactions</i> , 2012, 41, 10141.	3.3	13
45	Dizincation of a 2-substituted Thiophene: Constructing a Cage with a [16]Crown-4 Zincocyclic Core. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6934-6937.	13.8	18
46	Opening the black box of mixed-metal TMP metallating reagents: direct cadmation or lithium-cadmium transmetallation?. <i>Chemical Science</i> , 2012, 3, 2700.	7.4	33
47	Neutral zinc, lower-order zincate and higher-order zincate derivatives of pyrrole: synthesis and structural characterisation of zinc complexes with one, two, three or four pyrrolyl ligands. <i>Dalton Transactions</i> , 2011, 40, 11945.	3.3	23
48	Sodium Congener of the Classical Lithium Methylchromate Dimer: Synthetic, X-ray Crystallographic, and Magnetic Studies of $\text{Me}_8\text{Cr}_2[\text{Na}(\text{OEt})_2]_4$ . <i>Inorganic Chemistry</i> , 2011, 50, 4656-4659.	4.0	10
49	Main Group Multiple C-H/N-H Bond Activation of a Diamine and Isolation of A Molecular Dilithium Zincate Hydride: Experimental and DFT Evidence for Alkali Metal-Zinc Synergistic Effects. <i>Journal of the American Chemical Society</i> , 2011, 133, 13706-13717.	13.7	30
50	Structurally Powered Synergic 2,2,6,6-Tetramethylpiperidine Bimetallics: New Reflections through Lithium-Mediated Ortho-Aluminations. <i>Inorganic Chemistry</i> , 2011, 50, 12241-12251.	4.0	42
51	Concerning the Structures of Alkali-Metal-Mediated ortho-Zincation of Benzamides and Phenyl-O-Carbamate. <i>Organometallics</i> , 2011, 30, 145-152.	2.3	28
52	Meta-metallation of <i>N,N</i> -dimethylaniline: Contrasting direct sodium-mediated zincation with indirect sodiation-dialkylzinc co-complexation. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 1234-1248.	2.2	22
53	A $\frac{1}{4}$ -oxide-containing a dimeric variant of a sodium dialkyl(amido)zincate reagent. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2011, 67, m252-m254.	0.4	2
54	N-Heterocyclic-Carbene-Induced Monomerization of Sterically Encumbered Dialkylmagnesium and Dialkylmanganese Polymers. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 4675-4679.	2.0	48

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55	Mixed Lithium Amide/Lithium Halide Compounds: Unusual Halide-Deficient Amido Metal Anionic Crowns. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8375-8378.	13.8	26
56	Exploiting $\pi/\pi$ Coordination Isomerism to Prepare Homologous Organoalkali Metal (Li, Na, K) Monomers with Identical Ligand Sets. <i>Chemistry - A European Journal</i> , 2011, 17, 3364-3369.	3.3	93
57	Molecular Structures of THF-Solvated Alkali-Metal 2,2,6,6-Tetramethylpiperidides Finally Revealed: X-ray Crystallographic, DFT, and NMR (including DOSY) Spectroscopic Studies. <i>Chemistry - A European Journal</i> , 2011, 17, 6725-6730.	3.3	42
58	Developing a Heteroalkali-Metal Chemistry of 2,2,6,6-Tetramethylpiperidide (TMP): Stoichiometric and Structural Diversity within a Series of Lithium/Sodium, Lithium/Potassium and Sodium/Potassium TMP Compounds. <i>Chemistry - A European Journal</i> , 2011, 17, 8820-8831.	3.3	31
59	Structurally Stimulated Deprotonation/Alumination of the TMP Anion. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3182-3184.	13.8	29
60	Structurally Engineered Deprotonation/Alumination of THF and THTP with Retention of Their Cycloanionic Structures. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9388-9391.	13.8	56
61	Multistep Self-Assembly of Heteroleptic Magnesium and Sodium-Magnesium Benzamidinate Complexes. <i>Organometallics</i> , 2010, 29, 1436-1442.	2.3	25
62	Synthesis, Multinuclear NMR Spectra, and X-ray Structures of $\text{t-Bu}_2\text{PNP}(\text{I})\text{t-Bu}_2$ and $\text{EPR}_2\text{NP}(\text{I})\text{R}_2$ (E = Se, Te; R = $\text{i-Pr}$ , $\text{t-Bu}$ ). <i>Inorganic Chemistry</i> , 2010, 49, 4681-4686.	4.0	6
63	New Insights into the Chemistry of Imidodiphosphinates from Investigations of Tellurium-Centered Systems. <i>Accounts of Chemical Research</i> , 2010, 43, 1053-1062.	15.6	61
64	Structural insights into mono-amido tris-alkyl potassium aluminates. <i>New Journal of Chemistry</i> , 2010, 34, 1707.	2.8	13
65	Lithium and aluminium carbamate derivatives of the utility amide 2,2,6,6-tetramethylpiperidide. <i>Dalton Transactions</i> , 2010, 39, 6190.	3.3	21
66	N-Heterocyclic carbene stabilized adducts of alkyl magnesium amide, bisalkyl magnesium and Grignard reagents: trapping oligomeric organo s-block fragments with NHCs. <i>Dalton Transactions</i> , 2010, 39, 9091.	3.3	69
67	Contacted Ion-Pair Lithium Alkylamidoaluminates: Intramolecular Alumination ( $\text{Al-H}$ Exchange) Traps for TMEDA and PMDETA. <i>Organometallics</i> , 2009, 28, 6462-6468.	2.3	33
68	Experimental and Theoretical Investigations of the Contact Ion Pairs Formed by Reactions of the Anions $[(\text{EPR}_2)_2\text{N}]^-$ (R = $\text{i-Pr}$ , $\text{t-Bu}$ ; E = S, Se) with the Cations $[(\text{TePR}_2)_2\text{N}]^+$ (R = $\text{i-Pr}$ , $\text{t-Bu}$ ). <i>Inorganic Chemistry</i> , 2009, 48, 6755-6762.	4.0	17
69	Palladium and platinum complexes of tellurium-containing imidodiphosphinate ligands: nucleophilic attack of $\text{Li}[(\text{PiPr}_2)(\text{TePiPr}_2)\text{N}]$ on coordinated 1,5-cyclooctadiene. <i>Dalton Transactions</i> , 2009, , 8582.	3.3	13
70	Gold complexes of ditelluridoimidodiphosphinate ligands - Reversible oxidation of Au(I) to Au(III) via insertion of gold into a phosphorus-tellurium bond. <i>Canadian Journal of Chemistry</i> , 2009, 87, 39-46.	1.1	17
71	Nickel(II) complexes of heterodichalcogenido and monochalcogenido imidodiphosphinate ligands: AACVD synthesis of nickel ditelluride. <i>Dalton Transactions</i> , 2008, , 7004.	3.3	27
72	$\text{Ni}[(\text{EP})_2\text{N}]_2$ Complexes: Stereoisomers (E = Se) and Square-Planar Coordination (E = Te). <i>Inorganic Chemistry</i> , 2008, 47, 2949-2951.	4.0	39

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73	Experimental and Theoretical Investigations of the Redox Behavior of the Heterodichalcogenido Ligands [(E)PiPr2)(Te)PiPr2N] (E = S, Se): Cyclic Cations and Acyclic Dichalcogenide Dimers. <i>Inorganic Chemistry</i> , 2008, 47, 10634-10643.	4.0	20
74	Synthesis, NMR characterisation and X-ray structures of mixed chalcogenido PNP ligands containing tellurium: crystal structures of Se(iPr)2PNP(H)iPr2 and [NaN(E)PiPr2]2 (E = Se, Te). <i>Dalton Transactions</i> , 2008, , 1765.	3.3	32
75	Constructing Multimetallic Systems with the Naphthalene-1,8-bis(thiolato) Ligand. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 247-253.	2.0	14
76	Organo-aluminum, zinc and magnesium derivatives of the imidotris(amido)phosphate Me3SiNP(NHtBu)3. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4327-4336.	1.8	12
77	2-Iodobenzenesulfonyl chloride. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o744-o745.	0.2	1
78	The preparation and characterisation of a series of group IV metallocene dithiolato complexes containing a naphthalene backbone. <i>Polyhedron</i> , 2006, 25, 823-826.	2.2	14
79	Platinum Complexes of Dibenzo[1,2]Dithiin, Dibenzo[1,2]Dithiin Oxides and Related Polyaromatic Hydrocarbon Ligands. <i>Chemistry - A European Journal</i> , 2006, 12, 895-902.	3.3	49
80	Crystal structures of dibenzo[ce]-1,2-dithiine and its related oxides. <i>Heteroatom Chemistry</i> , 2005, 16, 346-351.	0.7	9
81	Bis(Cyclopentadienyl)Titanium Complexes of Naphthalene-1,8-Dithiolates, Biphenyl 2,2'-Dithiolates, and Related Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 2710-2718.	4.0	36
82	Crystal structures and molecular modeling of 1,8 chalcogenide-substituted naphthalenes. <i>Heteroatom Chemistry</i> , 2004, 15, 530-542.	0.7	54
83	Platinum Complexes of Naphthalene-1,8-dichalcogen and Related Polyaromatic Hydrocarbon Ligands. <i>Chemistry - A European Journal</i> , 2004, 10, 1666-1676.	3.3	71
84	The preparation and characterisation of bimetallic iridium(ii) complexes containing derivatised bridging naphthalene-1,8-disulfur or 4,5-dithiolato acephenanthrylene ligands. <i>Dalton Transactions</i> , 2004, , 3347.	3.3	31
85	THE CHEMISTRY OF (ECN)2 (E = S, Se) AND RELATED COMPOUNDS. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2004, 179, 865-868.	1.6	2
86	SYNTHESIS OF TITANOCENE COMPLEXES USING POLYAROMATIC LIGANDS CONTAINING A DISULFIDE BRIDGE. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2004, 179, 987-988.	1.6	1