# 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 g-index |
| 96 all docs | 96 docs citations | 96 times ranked | 1546 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Alkali-Metal-Mediated Synergistic Effects in Polar Main Group Organometallic Chemistry. Chemical Reviews, 2019, 119, 8332-8405. | 47.7 | 174 |
| 2 | Synthetically Important Alkaliâ€Metal Utility Amides: Lithium, Sodium, and Potassium Hexamethyldisilazides, Diisopropylamides, and Tetramethylpiperidides. Angewandte Chemie - International Edition, 2013, 52, 11470-11487. | 13.8 | 172 |
| 3 | Exploiting Ïƒ/Ï€ Coordination Isomerism to Prepare Homologous Organoalkali Metal (Li, Na, K) Monomers with Identical Ligand Sets. Chemistry - A European Journal, 2011, 17, 3364-3369. | 3.3 | 93 |
| 4 | Alkali-metal-mediated zincation (AMMZn) meets N-heterocyclic carbene (NHC) chemistry: Znâ€“H exchange reactions and structural authentication of a dinuclear Au(i) complex with a NHC anion. Chemical Science, 2013, 4, 4259. | 7.4 | 77 |
| 5 | Platinum Complexes of Naphthalene-1,8-dichalcogen and Related Polyaromatic Hydrocarbon Ligands. Chemistry - A European Journal, 2004, 10, 1666-1676. | 3.3 | 71 |
| 6 | N-Heterocyclic carbene stabilized adducts of alkyl magnesium amide, bisalkyl magnesium and Grignard reagents: trapping oligomeric organo s-block fragments with NHCs. Dalton Transactions, 2010, 39, 9091. | 3.3 | 69 |
| 7 | TMP (2,2,6,6-tetramethylpiperidide)-aluminate bases: lithium-mediated alumination or lithiationâ€“alkylaluminium-trapping reagents?. Chemical Science, 2014, 5, 3031-3045. | 7.4 | 67 |
| 8 | New Insights into the Chemistry of Imidodiphosphinates from Investigations of Tellurium-Centered Systems. Accounts of Chemical Research, 2010, 43, 1053-1062. | 15.6 | 61 |
| 9 | Structurally Engineered Deprotonation/Alumination of THF and THTP with Retention of Their Cycloanionic Structures. Angewandte Chemie - International Edition, 2010, 49, 9388-9391. | 13.8 | 56 |
| 10 | Crystal structures and molecular modeling of 1,8 chalcogenide-substituted naphthalenes. Heteroatom Chemistry, 2004, 15, 530-542. | 0.7 | 54 |
| 11 | Donorâ€influenced Structureâ€“Activity Correlations in Stoichiometric and Catalytic Reactions of Lithium Monoamidoâ€Monohydridoâ€Dialkylaluminates. Chemistry - A European Journal, 2018, 24, 9940-9948. | 3.3 | 52 |
| 12 | Facile synthesis of a genuinely alkane-soluble but isolable lithium hydride transfer reagent. Chemical Communications, 2015, 51, 5452-5455. | 4.1 | 51 |
| 13 | Platinum Complexes of Dibenzo[1,2]Dithiin, Dibenzo[1,2]Dithiin Oxides and Related Polyaromatic Hydrocarbon Ligands. Chemistry - A European Journal, 2006, 12, 895-902. | 3.3 | 49 |
| 14 | N-Heterocyclic-Carbene-Induced Monomerization of Sterically Encumbered Dialkylmagnesium and Dialkylmanganese Polymers. European Journal of Inorganic Chemistry, 2011, 2011, 4675-4679. | 2.0 | 48 |
| 15 | Monomerizing Alkali-Metal 3,5-Dimethylbenzyl Salts with Tris(N,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td (N<br>Inorganic Chemistry, 2013, 52, 12023-12032. | 4.0 | 45 |
| 16 | Developing catalytic applications of cooperative bimetallics: competitive hydroamination/trimerization reactions of isocyanates catalysed by sodium magnesiates. Chemical Communications, 2013, 49, 8659. | 4.1 | 43 |
| 17 | 1â€Alkaliâ€metalâ€2â€alkylâ€1,2â€dihydropyridines: Soluble Hydride Surrogates for Catalytic Dehydrogenative Coupling and Hydroboration Applications. Chemistry - A European Journal, 2017, 23, 16853-16861. | 3.3 | 43 |
| 18 | Modern Developments in Magnesium Reagent Chemistry for Synthesis. Topics in Organometallic Chemistry, 2013, , 103-139. | 0.7 | 43 |

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|---|---|---|---|
| 19 | Structurally Powered Synergic 2,2,6,6-Tetramethylpiperidine Bimetallics: New Reflections through Lithium-MediatedOrthoAluminations. Inorganic Chemistry, 2011, 50, 12241-12251. | 4.0 | 42 |
| 20 | Molecular Structures of THFâ€Solvated Alkaliâ€Metal 2,2,6,6â€Tetramethylpiperidides Finally Revealed: Xâ€ray Crystallographic, DFT, and NMR (including DOSY) Spectroscopic Studies. Chemistry - A European Journal, 2011, 17, 6725-6730. | 3.3 | 42 |
| 21 | Structurally Defined Zincated and Aluminated Complexes of Ferrocene Made by Alkali-Metal Synergistic Syntheses. Organometallics, 2015, 34, 2580-2589. | 2.3 | 42 |
| 22 | Ni[(EP<sup>i</sup>Pr<sub>2</sub>)<sub>2</sub>N]<sub>2</sub>Complexes: Stereoisomers (E = Se) and Square-Planar Coordination (E = Te). Inorganic Chemistry, 2008, 47, 2949-2951. | 4.0 | 39 |
| 23 | Bis(Cyclopentadienyl)Titanium Complexes of Naphthaleneâˆ'1,8-Dithiolates, Biphenyl 2,2â€˜-Dithiolates, and Related Ligands. Inorganic Chemistry, 2005, 44, 2710-2718. | 4.0 | 36 |
| 24 | Concealed Cyclotrimeric Polymorph of Lithium 2,2,6,6â€Tetramethylpiperidide Unconcealed: Xâ€Ray Crystallographic and NMR Spectroscopic Studies. Chemistry - A European Journal, 2013, 19, 14069-14075. | 3.3 | 35 |
| 25 | Lithium, sodium and potassium picolyl complexes: syntheses, structures and bonding. Dalton Transactions, 2014, 43, 14265-14274. | 3.3 | 35 |
| 26 | Contacted Ion-Pair Lithium Alkylamidoaluminates: Intramolecular Alumination (Alâˆ'H Exchange) Traps for TMEDA and PMDETA. Organometallics, 2009, 28, 6462-6468. | 2.3 | 33 |
| 27 | Opening the black box of mixed-metal TMP metallating reagents: direct cadmation or lithiumâ€“cadmium transmetallation?. Chemical Science, 2012, 3, 2700. | 7.4 | 33 |
| 28 | Synthesis, NMR characterisation and X-ray structures of mixed chalcogenido PNP ligands containing tellurium: crystal structures of SeiPr2PNP(H)iPr2 and [NaN(EPiPr2)2]âˆž (E = Se, Te). Dalton Transactions, 2008, , 1765. | 3.3 | 32 |
| 29 | Lithium Dihydropyridine Dehydrogenation Catalysis: A Groupâ€...1 Approach to the Cyclization of Diamine Boranes. Angewandte Chemie - International Edition, 2017, 56, 1036-1041. | 13.8 | 32 |
| 30 | The preparation and characterisation of bimetallic iridium(ii) complexes containing derivatised bridging naphthalene-1,8-disulfur or 4,5-dithiolato acephenanthrylene ligands. Dalton Transactions, 2004, , 3347. | 3.3 | 31 |
| 31 | Developing a Heteroâ€Alkaliâ€Metal Chemistry of 2,2,6,6â€Tetramethylpiperidide (TMP): Stoichiometric and Structural Diversity within a Series of Lithium/Sodium, Lithium/Potassium and Sodium/Potassium TMP Compounds. Chemistry - A European Journal, 2011, 17, 8820-8831. | 3.3 | 31 |
| 32 | Main Group Multiple Câ€“H/Nâ€“H Bond Activation of a Diamine and Isolation of A Molecular Dilithium Zincate Hydride: Experimental and DFT Evidence for Alkali Metalâ€“Zinc Synergistic Effects. Journal of the American Chemical Society, 2011, 133, 13706-13717. | 13.7 | 30 |
| 33 | Structurally Stimulated Deprotonation/Alumination of the TMP Anion. Angewandte Chemie - International Edition, 2010, 49, 3182-3184. | 13.8 | 29 |
| 34 | Concerning the Structures of Alkali-Metal-MediatedorthoZincation of Benzamides and PhenylO-Carbamate. Organometallics, 2011, 30, 145-152. | 2.3 | 28 |
| 35 | Nickel(ii) complexes of heterodichalcogenido and monochalcogenido imidodiphosphinate ligands: AACVD synthesis of nickel ditelluride. Dalton Transactions, 2008, , 7004. | 3.3 | 27 |
| 36 | Mixed Lithium Amideâ€“Lithium Halide Compounds: Unusual Halideâ€Deficient Amido Metal Anionic Crowns. Angewandte Chemie - International Edition, 2011, 50, 8375-8378. | 13.8 | 26 |

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|---|---|---|---|
| 37 | Multistep Self-Assembly of Heteroleptic Magnesium and Sodiumâ^'Magnesium Benzamidinate Complexes. Organometallics, 2010, 29, 1436-1442. | 2.3 | 25 |
| 38 | Regioselective heterohalogenation of 4-halo-anisoles via a series of sequential ortho-aluminations and electrophilic halogenations. Chemical Communications, 2012, 48, 4674. | 4.1 | 25 |
| 39 | Modifying Alkylzinc Reactivity with 2,2â€²â€Dipyridylamide: Activation of tBuï£¿Zn Bonds for paraâ€Alkylation of Benzophenone. Angewandte Chemie - International Edition, 2013, 52, 7190-7193. | 13.8 | 24 |
| 40 | 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. Dalton Transactions, 2011, 40, 11945. | 3.3 | 23 |
| 41 | After-effects of lithium-mediated alumination of 3-iodoanisole: isolation of molecular salt elimination and trapped-benzyne products. Dalton Transactions, 2012, 41, 1832-1839. | 3.3 | 23 |
| 42 | Developing Lithium Chemistry of 1,2â€Dihydropyridines: From Kinetic Intermediates to Isolable Characterized Compounds. Chemistry - A European Journal, 2015, 21, 14410-14420. | 3.3 | 23 |
| 43 | Meta-metallation of N,N-dimethylaniline: Contrasting direct sodium-mediated zincation with indirect sodiation-dialkylzinc co-complexation. Beilstein Journal of Organic Chemistry, 2011, 7, 1234-1248. | 2.2 | 22 |
| 44 | Lithium and aluminium carbamato derivatives of the utility amide 2,2,6,6-tetramethylpiperidide. Dalton Transactions, 2010, 39, 6190. | 3.3 | 21 |
| 45 | Donor-Activated Lithiation and Sodiation of Trifluoromethylbenzene: Structural, Spectroscopic, and Theoretical Insights. Organometallics, 2013, 32, 5481-5490. | 2.3 | 21 |
| 46 | Exposing elusive cationic magnesiumâ€“chloro aggregates in aluminate complexes through donor control. Dalton Transactions, 2016, 45, 5590-5597. | 3.3 | 21 |
| 47 | Experimental and Theoretical Investigations of the Redox Behavior of the Heterodichalcogenido Ligands [(EPiPr2)(TePiPr2)N]â^'(E = S, Se): Cyclic Cations and Acyclic Dichalcogenide Dimers. Inorganic Chemistry, 2008, 47, 10634-10643. | 4.0 | 20 |
| 48 | Exploring the solid state and solution structural chemistry of the utility amide potassium hexamethyldisilazide (KHMDS). Dalton Transactions, 2017, 46, 6392-6403. | 3.3 | 20 |
| 49 | FascinATES: Mixed-Metal Ate Compounds That Function Synergistically. Topics in Organometallic Chemistry, 2013, , 129-158. | 0.7 | 19 |
| 50 | Dizincation of a 2â€Substituted Thiophene: Constructing a Cage with a [16]Crownâ€4 Zincocyclic Core. Angewandte Chemie - International Edition, 2012, 51, 6934-6937. | 13.8 | 18 |
| 51 | Two alternative approaches to access mixed hydride-amido zinc complexes: synthetic, structural and solution implications. Dalton Transactions, 2015, 44, 8169-8177. | 3.3 | 18 |
| 52 | Experimental and Theoretical Investigations of the Contact Ion Pairs Formed by Reactions of the Anions [(EPR2)2N]â^' (R = iPr, tBu; E = S, Se) with the Cations [(TePR2)2N]+ (R = iPr, tBu). Inorganic Chemistry, 2009, 48, 6755-6762. | 4.0 | 17 |
| 53 | Gold complexes of ditelluridoimidodiphosphinate ligands â€" Reversible oxidation of Au(I) to Au(III) via insertion of gold into a phosphorusâ€“tellurium bond. Canadian Journal of Chemistry, 2009, 87, 39-46. | 1.1 | 17 |
| 54 | Ambient temperature zincation of N-Boc pyrrolidine and its solvent dependency. Chemical Communications, 2012, 48, 5265. | 4.1 | 17 |

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|---|---|---|---|
| 55 | Adding a Structural Context to the Deprotometalation and Transâ€Metal Trapping Chemistry of Phenylâ€Substituted Benzotriazole. Chemistry - A European Journal, 2015, 21, 14812-14822. | 3.3 | 17 |
| 56 | The preparation and characterisation of a series of group IV metallocene dithiolato complexes containing a naphthalene backbone. Polyhedron, 2006, 25, 823-826. | 2.2 | 14 |
| 57 | Constructing Multimetallic Systems with the Naphthalene-1,8-bis(thiolato) Ligand. European Journal of Inorganic Chemistry, 2007, 2007, 247-253. | 2.0 | 14 |
| 58 | Probing the metallating ability of a polybasic sodium alkylmagnesiate supported by a bulky bis(amido) ligand: deprotomagnesiation reactions of nitrogen-based aromatic substrates. Dalton Transactions, 2014, 43, 4361-4369. | 3.3 | 14 |
| 59 | Palladium and platinum complexes of tellurium-containing imidodiphosphinate ligands: nucleophilic attack of Li[(PiPr2)(TePiPr2)N] on coordinated 1,5-cyclooctadiene. Dalton Transactions, 2009, , 8582. | 3.3 | 13 |
| 60 | Structural insights into mono-amido tris-alkyl potassium aluminates. New Journal of Chemistry, 2010, 34, 1707. | 2.8 | 13 |
| 61 | Accessing low denticity coordination modes of a high denticity tripodal ligand to complete its coordinative repertoire. Dalton Transactions, 2012, 41, 10141. | 3.3 | 13 |
| 62 | A hetero-alkali-metal version of the utility amide LDA: lithiumâ€“potassium diisopropylamide. Dalton Transactions, 2013, 42, 3704. | 3.3 | 13 |
| 63 | Accessible heavier s-block dihydropyridines: structural elucidation and reactivity of isolable molecular hydride sources. Dalton Transactions, 2016, 45, 6234-6240. | 3.3 | 13 |
| 64 | Tetraamine Me6TREN induced monomerization of alkali metal borohydrides and aluminohydrides. Polyhedron, 2016, 103, 94-99. | 2.2 | 13 |
| 65 | 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)}2{Li(Ph)}]2. Journal of Organometallic Chemistry, 2018, 857, 101-109. | 1.8 | 13 |
| 66 | Organo-aluminum, zinc and magnesium derivatives of the imidotris(amido)phosphate Me3SiNP(NHtBu)3. Journal of Organometallic Chemistry, 2007, 692, 4327-4336. | 1.8 | 12 |
| 67 | Contrasting Reactivity of Mono- versus Bis-2,2,6,6-tetramethylpiperidide Lithium Aluminates Towards Polydentate Lewis Bases: Co-Complexation Versus Deprotonation. Australian Journal of Chemistry, 2013, 66, 1189. | 0.9 | 12 |
| 68 | Heterobimetallic metallation studies of N,N-dimethylphenylethylamine (DMPEA): benzylic Câ€“H bond cleavage/dimethylamino capture or intact DMPEA complex. Dalton Transactions, 2015, 44, 5875-5887. | 3.3 | 12 |
| 69 | catena-Poly[sodium-μ<sub>2</sub>-(N,N,Nâ€²,Nâ€²-tetramethylethane-1,2-diamine)-μ<sup>2</sup> Acta Crystallographica Section E: Structure Reports Online, 2012, 68, m1468-m1468. | 0.2 | 11 |
| 70 | Lithium Dihydropyridine Dehydrogenation Catalysis: A Groupâ€...1 Approach to the Cyclization of Diamine Boranes. Angewandte Chemie, 2017, 129, 1056-1061. | 2.0 | 11 |
| 71 | Sigma/pi Bonding Preferences of Solvated Alkaliâ€Metal Cations to Ditopic Arylmethyl Anions. Chemistry - A European Journal, 2022, 28, . | 3.3 | 11 |
| 72 | Sodium Congener of the Classical Lithium Methylchromate Dimer: Synthetic, X-ray Crystallographic, and Magnetic Studies of Me<sub>8</sub>Cr<sub>2</sub>[Na(OEt<sub>2</sub>)]<sub>4</sub>. Inorganic Chemistry, 2011, 50, 4656-4659. | 4.0 | 10 |

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|---|---|---|---|
| 73 | Crystal structures of dibenzo[ce]-1,2-dithiine and its related oxides. Heteroatom Chemistry, 2005, 16, 346-351. | 0.7 | 9 |
| 74 | Synthesis, Structure and Solution Studies on Mixed Aryl/Alkyl Lithium Zincates. European Journal of Inorganic Chemistry, 2016, 2016, 4752-4760. | 2.0 | 9 |
| 75 | Structurally Mapping Alkyl and Amide Basicity in Zincate Chemistry: Diversity in the Synthesis of Mixed Sodiumâ€“Zinc Complexes and Their Applications in Enolate Formation. Organometallics, 2020, 39, 4273-4281. | 2.3 | 9 |
| 76 | A regioselectively 1,1â€²,3,3â€²-tetrazincated ferrocene complex displaying core and peripheral reactivity. Chemical Science, 2020, 11, 6510-6520. | 7.4 | 8 |
| 77 | Synthesis, Multinuclear NMR Spectra, and X-ray Structures of <sup>t</sup>Bu<sub>2</sub>PNP(I)<sup>t</sup>Bu<sub>2</sub> and EPR<sub>2</sub>NP(I)R<sub>2</sub> (E = Se, Te; R = <sup>i</sup>Pr, <sup>t</sup>Bu). Inorganic Chemistry, 2010, 49, 4681-4686. | 4.0 | 6 |
| 78 | Synthesis of an alkylmagnesium amide and interception of a ring-opened isomer of the important utility amide 2,2,6,6-tetramethylpiperidide (TMP). Inorganica Chimica Acta, 2014, 411, 1-4. | 2.4 | 5 |
| 79 | Exploiting cation aggregation in new magnesium amidohaloaluminate electrolytes for magnesium batteries. Inorganic Chemistry Frontiers, 2020, 7, 2305-2312. | 6.0 | 5 |
| 80 | Synthesis, Structure, and DFT Analysis of the THF Solvate of 2â€Picolyllithium: A 2â€Picolyllithium Solvate with Significant Carbanionic Character. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 726-733. | 1.2 | 5 |
| 81 | THE CHEMISTRY OF (ECN)2 (E = S, Se) AND RELATED COMPOUNDS. Phosphorus, Sulfur and Silicon and the Related Elements, 2004, 179, 865-868. | 1.6 | 2 |
| 82 | A Î¼4-oxide-containing a dimeric variant of a sodium dialkyl(amido)zincate reagent. Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, m252-m254. | 0.4 | 2 |
| 83 | Contrasting the group 6 metalâ€“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 |
| 84 | 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 |
| 85 | SYNTHESIS OF TITANOCENE COMPLEXES USING POLYAROMATIC LIGANDS CONTAINING A DISULFIDE BRIDGE. Phosphorus, Sulfur and Silicon and the Related Elements, 2004, 179, 987-988. | 1.6 | 1 |
| 86 | 2-Iodobenzenesulfonyl chloride. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o744-o745. | 0.2 | 1 |