Stephen A Westcott

List of Publications by Year in descending order

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162 papers 5,769 citations

36 h-index 70 g-index

166 all docs

166 docs citations

166 times ranked 3692 citing authors

| # | Article | IF | Citations |
|----|--|------|-----------|
| 1 | Baseâ€Mediated Radical Borylation of Alkyl Sulfones. Chemistry - A European Journal, 2022, 28, . | 1.7 | 14 |
| 2 | Cu-mediated <i>vs.</i> Cu-free selective borylation of aryl alkyl sulfones. Chemical Communications, 2022, 58, 395-398. | 2.2 | 11 |
| 3 | Selective, Transition Metalâ€free 1,2â€Diboration of Alkyl Halides, Tosylates, and Alcohols. Chemistry - A European Journal, 2022, 28, . | 1.7 | 9 |
| 4 | Fluorinated Aryl Boronates as Building Blocks in Organic Synthesis. Advanced Synthesis and Catalysis, 2021, 363, 2224-2255. | 2.1 | 39 |
| 5 | Boron-containing capsaicinoids. RSC Advances, 2021, 11, 24282-24291. | 1.7 | 2 |
| 6 | Boron Oxide Nanoparticles Exhibit Minor, Species-Specific Acute Toxicity to North-Temperate and Amazonian Freshwater Fishes. Frontiers in Bioengineering and Biotechnology, 2021, 9, 689933. | 2.0 | O |
| 7 | Niâ€Catalyzed Borylation of Aryl Sulfoxides. Chemistry - A European Journal, 2021, 27, 8149-8158. | 1.7 | 17 |
| 8 | Transition Metal Catalystâ€Free, Baseâ€Promoted 1,2â€Additions of Polyfluorophenylboronates to Aldehydes and Ketones. Angewandte Chemie, 2021, 133, 16665-16674. | 1.6 | 2 |
| 9 | Transition Metal Catalystâ€Free, Baseâ€Promoted 1,2â€Additions of Polyfluorophenylboronates to Aldehydes and Ketones. Angewandte Chemie - International Edition, 2021, 60, 16529-16538. | 7.2 | 9 |
| 10 | The hydroboration of α-diimines. New Journal of Chemistry, 2021, 45, 14908-14912. | 1.4 | 2 |
| 11 | Boron and beyond: celebrating Todd B. Marder's contributions to chemistry. New Journal of Chemistry, 2021, 45, 14844-14846. | 1.4 | O |
| 12 | First-Row d-Block Element-Catalyzed Carbon–Boron Bond Formation and Related Processes. Chemical Reviews, 2021, 121, 13238-13341. | 23.0 | 163 |
| 13 | Copperâ€Catalyzed Oxidative Crossâ€Coupling of Electronâ€Deficient Polyfluorophenylboronate Esters with Terminal Alkynes. Chemistry - A European Journal, 2020, 26, 17267-17274. | 1.7 | 15 |
| 14 | Organocatalytic trans Phosphinoboration of Internal Alkynes. Angewandte Chemie, 2020, 132, 14464-14468. | 1.6 | 3 |
| 15 | Organocatalytic <i>trans</i> Phosphinoboration of Internal Alkynes. Angewandte Chemie - International Edition, 2020, 59, 14358-14362. | 7.2 | 25 |
| 16 | The phosphinoboration of acyl chlorides. Dalton Transactions, 2020, 49, 5092-5099. | 1.6 | 16 |
| 17 | Ni-Catalyzed Traceless, Directed C3-Selective C–H Borylation of Indoles. Journal of the American Chemical Society, 2020, 142, 13136-13144. | 6.6 | 60 |
| 18 | Phosphinoboration of Diazobenzene: Intramolecular FLP Synthon for PN ₂ Bâ€Derived Heterocycles. Chemistry - A European Journal, 2019, 25, 12521-12525. | 1.7 | 25 |

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| 19 | Catalytic cross-dimerisation giving reactive borylated polyenes toward cross-coupling. Chemical Communications, 2019, 55, 10527-10530. | 2.2 | 11 |
| 20 | Double Phosphinoboration of CO 2 : A Facile Route to Diphosphaâ€Ureas. Chemistry - A European Journal, 2019, 25, 12063-12067. | 1.7 | 15 |
| 21 | 1,1-Phosphinoboration of diazomethanes. Chemical Communications, 2019, 55, 12100-12103. | 2.2 | 13 |
| 22 | Cyclisations of alkynoic acids using copper(I) arylspiroborate complexes. Tetrahedron, 2019, 75, 2106-2112. | 1.0 | 3 |
| 23 | The phosphinoboration of 2-diphenylphosphino benzaldehyde and related aldimines. Journal of Organometallic Chemistry, 2019, 880, 378-385. | 0.8 | 11 |
| 24 | Copper-boryl mediated organic synthesis. Chemical Society Reviews, 2018, 47, 7477-7494. | 18.7 | 243 |
| 25 | Preliminary investigations into the synthesis and antimicrobial activities of boron-containing capsaicinoids. Canadian Journal of Chemistry, 2018, 96, 1065-1070. | 0.6 | 9 |
| 26 | Understanding the mechanism of transition metal-free <i>anti</i> addition to alkynes: the selenoboration case. Catalysis Science and Technology, 2018, 8, 3617-3628. | 2.1 | 13 |
| 27 | Synthesis, reactivity, and antimicrobial properties of boron-containing 4-ethyl-3-thiosemicarbazide derivatives. Canadian Journal of Chemistry, 2018, 96, 906-911. | 0.6 | 13 |
| 28 | Synthesis, characterization, and anticancer properties of iminophosphineplatinum(II) complexes containing boronate esters. Canadian Journal of Chemistry, 2017, 95, 207-213. | 0.6 | 7 |
| 29 | Rhenium-catalysed hydroboration of aldehydes and aldimines. Dalton Transactions, 2017, 46, 7750-7757. | 1.6 | 53 |
| 30 | Synthesis, characterization, and antimicrobial activities of palladium Schiff base complexes derived from aminosalicylic acids. Transition Metal Chemistry, 2017, 42, 263-271. | 0.7 | 8 |
| 31 | Synthesis and characterization of iminophosphineplatinum(II) complexes of the type (κ2-P,N-2-Ph2PC6H4C(H)=NC6H4X)PtCl2 (XÂ=ÂOMe, F). Transition Metal Chemistry, 2017, 42, 693-701. | 0.7 | 2 |
| 32 | The phosphinoboration of carbodiimides, isocyanates, isothiocyanates and CO2. Dalton Transactions, 2017, 46, 10876-10885. | 1.6 | 19 |
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| 34 | Synthesis and antimicrobial properties of cyclic fluorodiamines containing boronate esters. Heteroatom Chemistry, 2017, 28, . | 0.4 | 7 |
| 35 | Current Developments in the Catalyzed Hydroboration Reaction. ACS Symposium Series, 2016, , 209-225. | 0.5 | 39 |
| 36 | Synthesis and Molecular Structure of Ph ₃ C ₂ Me ₄ . X-ray Structure Analysis Online, 2016, 32, 35-36. | 0.1 | 2 |

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| 37 | Strategic Trimethylsilyldiazomethane Insertion into pinB–SR Followed by Selective Alkylations. Organic Letters, 2016, 18, 3830-3833. | 2.4 | 19 |
| 38 | Diboron(4) Compounds: From Structural Curiosity to Synthetic Workhorse. Chemical Reviews, 2016, 116, 9091-9161. | 23.0 | 835 |
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| 40 | Synthesis, characterization, and anticancer activities of lipophilic pyridinecarboxaldimine platinum(II) complexes. Polyhedron, 2016, 108, 23-29. | 1.0 | 14 |
| 41 | Ynones Merge Activation/Conjugate Addition of Chalcogenoborates ArEâ€Bpin (E=Se, S). Advanced Synthesis and Catalysis, 2015, 357, 3098-3103. | 2.1 | 21 |
| 42 | Synthesis and Reactivity of Novel Boranes Derived from Bulky Salicylaldimines: The Molecular Structure of a Maltolato Compound. Crystals, 2015, 5, 91-99. | 1.0 | 1 |
| 43 | Synthesis and Biological Activity of Arylspiroborate Salts Derived from Caffeic Acid Phenethyl Ester. International Journal of Medicinal Chemistry, 2015, 2015, 1-9. | 2.2 | 5 |
| 44 | Synthesis, characterization, and anticancer properties of organometallic Schiff base platinum complexes. Canadian Journal of Chemistry, 2015, 93, 1140-1146. | 0.6 | 10 |
| 45 | Singular Metal Activation of Diboron Compounds. Advances in Organometallic Chemistry, 2015, 63, 39-89. | 0.5 | 16 |
| 46 | The Phosphinoboration Reaction. Angewandte Chemie - International Edition, 2015, 54, 2121-2125. | 7.2 | 61 |
| 47 | Thioboration of \hat{l} ±, \hat{l} 2-Unsaturated Ketones and Aldehydes toward the Synthesis of \hat{l} 2-Sulfido Carbonyl Compounds. Journal of Organic Chemistry, 2015, 80, 2148-2154. | 1.7 | 25 |
| 48 | Synthesis, Characterisation, and Antifungal Activities of Novel Benzodiazaborines. Australian Journal of Chemistry, 2015, 68, 366. | 0.5 | 19 |
| 49 | Anti-mycobacterial activities of copper(II) complexes. Part II. Lipophilic hydroxypyridinones derived from maltol. Canadian Journal of Chemistry, 2015, 93, 334-340. | 0.6 | 8 |
| 50 | Synthesis and antimicrobial properties of lipophilic Schiff base copper and palladium complexes. Transition Metal Chemistry, 2015, 40, 605-612. | 0.7 | 1 |
| 51 | Dehydrogenative borylation: the dark horse in metal-catalyzed hydroborations and diborations?. Reviews in Inorganic Chemistry, 2015, 35, 69-79. | 1.8 | 26 |
| 52 | Antimicrobial and antimycobacterial activities of aliphatic amines derived from vanillin. Canadian Journal of Chemistry, 2015, 93, 1305-1311. | 0.6 | 11 |
| 53 | Synthesis, characterization and antimicrobial properties of lipophilic palladium complexes bearing iminopyridine ligands. Transition Metal Chemistry, 2015, 40, 813-819. | 0.7 | 2 |
| 54 | Arylspiroborates Derived from 4â€ <i>tert</i> àê€Butylcatechol and 3,5â€Diâ€ <i>tert</i> àê€butylcatechol and Their Antimicrobial Activities. Journal of Heterocyclic Chemistry, 2014, 51, 157-161. | 1.4 | 8 |

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| 55 | Heterocyclic Aminoboron Compounds as Antituberculosis Agents. Heteroatom Chemistry, 2014, 25, 100-106. | 0.4 | 17 |
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| 57 | Palladium-Catalyzed Suzuki–Miyaura Cross-Couplings with 2-Diethylphosphonato-Substituted Aryland Naphthylboronate Esters as the Nucleophilic Partner: A Complementary Approach to the Synthesis of Biaryl Monophosphonates. Organometallics, 2014, 33, 5209-5219. | 1.1 | 10 |
| 58 | Synthesis, characterization and anticancer properties of (salicylaldiminato)platinum(II) complexes. Inorganica Chimica Acta, 2014, 415, 88-94. | 1.2 | 16 |
| 59 | Metal-free borylative ring-opening of vinyl epoxides and aziridines. Organic and Biomolecular Chemistry, 2013, 11, 7004. | 1.5 | 44 |
| 60 | Rhodium complexes containing arylspiroborates derived from 3,5-di-tert-butylcatechol and their use in catalyzed hydroborations. Polyhedron, 2013, 52, 1181-1189. | 1.0 | 9 |
| 61 | Addition of boranes to iminophosphines: Synthesis and reactivity of a new bulky hydroboration reagent. Journal of Organometallic Chemistry, 2013, 731, 1-9. | 0.8 | 4 |
| 62 | Synthesis and Biological Activities of Arylspiroborates Derived from 2,3â€Dihydroxynaphthalene. Heteroatom Chemistry, 2013, 24, 116-123. | 0.4 | 11 |
| 63 | Pyridinones Are Not Antioxidants As Shown by Kinetics of Free Radical Autoxidation, but They Prevent Radical Oxidations Catalyzed by Toxic Heavy Metals. Chemical Research in Toxicology, 2013, 26, 399-409. | 1.7 | 5 |
| 64 | Hot peppers for a healthier future: boron-containing capsaicinoids. Future Medicinal Chemistry, 2013, 5, 613-615. | 1.1 | 1 |
| 65 | Anti-mycobacterial activities of copper(II) salicylaldimine complexes derived from long-chain aliphatic amines. Canadian Journal of Chemistry, 2013, 91, 1093-1097. | 0.6 | 3 |
| 66 | Synthesis, characterization, and bioactivities of platinum(II) complexes bearing pyridinecarboxaldimines containing aliphatic groups. Canadian Journal of Chemistry, 2013, 91, 131-136. | 0.6 | 6 |
| 67 | The Synthesis and Molecular Structure of 1-(3,4-Dihydroxyphenethyl)-3-hydroxy-2-methylpyridin-4(1H)-one Hydrochloride Methanol Solvate. Crystals, 2013, 3, 333-338. | 1.0 | 2 |
| 68 | Synthesis and Molecular Structure of [<i>cis0\klt;sub>3\klt;/sub>4\klt;sub>3\klt;/sub>3\klt;/sub>4\klt;\landsub>3\klt;/sub>4\klt;\landsub>3\klt;\landsub>3\klt;\landsub>4\klt;\lands</i> | >)< ;sul | o>2 |
| 69 | Sterically Demanding Aryl Chlorides: No Longer a Problem for Borylations. ChemCatChem, 2012, 4, 47-49. | 1.8 | 16 |
| 70 | Arylspiroboronate esters: from lithium batteries to wood preservatives to catalysis. Chemical Society Reviews, 2011, 40, 1446-1458. | 18.7 | 43 |
| 71 | Addition of boranes to N-aryl-salicylaldimines: Intramolecular hydrogenation of imines. Dalton Transactions, 2011, 40, 4707. | 1.6 | 8 |
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| 73 | Synthesis and Molecular Structure of Di(3,5-di-tert-butylcatecholato)-dicyclopentadienylzirconium(IV). X-ray Structure Analysis Online, 2011, 27, 45-46. | 0.1 | 3 |
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| 78 | Cationic Ruthenium Complexes with an Arylspiroborate Counterion Derived from 3,5-Di-tert-butylcatechol. Mediterranean Journal of Chemistry, 2011, 1, 56-63. | 0.3 | 0 |
| 79 | Acetylacetonato(phosphane)iridium Complexes: Synthesis and Catalytic Activity in the Cyclization of Alkynoic Acids. European Journal of Inorganic Chemistry, 2010, 2010, 4602-4610. | 1.0 | 25 |
| 80 | BO Chemistry Comes Full Circle. Angewandte Chemie - International Edition, 2010, 49, 9045-9046. | 7.2 | 22 |
| 81 | Catalytic hydroboration of vinylarenes using a zwitterionic arylspiroboronate ester iridium complex. Inorganic Chemistry Communication, 2010, 13, 1396-1398. | 1.8 | 11 |
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| 85 | The transition metal catalyzed hydroboration of enamines. Journal of Organometallic Chemistry, 2009, 694, 3154-3159. | 0.8 | 20 |
| 86 | Synthesis and structure of indenyl rhodium(I) complexes containing unsaturated phosphines: catalyst precursors for alkene hydroboration. Dalton Transactions, 2009, , 1624. | 1.6 | 36 |
| 87 | Ni and Pd mediate asymmetric organoboron synthesis with ester functionality at the \hat{l}^2 -position. Organic and Biomolecular Chemistry, 2009, 7, 4674. | 1.5 | 85 |
| 88 | Synthesis, characterization, and reactivity of a novel thallium arylspiroboronate ester. Canadian Journal of Chemistry, 2009, 87, 139-145. | 0.6 | 15 |
| 89 | Synthesis of boron macrocycles from 1,2â€aminoalcohols and 2â€formylphenylboronic acid. Journal of Heterocyclic Chemistry, 2008, 45, 1415-1418. | 1.4 | 2 |
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| 91 | Synthesis, Characterization, and Antifungal Activity of Boronâ€Containing Thiosemicarbazones. Chemistry and Biodiversity, 2008, 5, 2415-2422. | 1.0 | 36 |
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| 93 | Synthesis and Molecular Structure of trans-Dichlorodi((4-fluorophenyl)-methanamine)palladium(II). Analytical Sciences: X-ray Structure Analysis Online, 2008, 24, X223-X224. | 0.1 | 1 |
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| 95 | Synthesis, characterization, and reactivity of Pd(II) salicylaldimine complexes derived from aminophenols. Canadian Journal of Chemistry, 2007, 85, 392-399. | 0.6 | 12 |
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| 99 | Effect of a Novel Molybdenum Ascorbate Complex on Ex Vivo Myocardial Performance in Chemical??Diabetes Mellitus. Drugs in R and D, 2006, 7, 119-125. | 1.1 | 4 |
| 100 | Rhodium(I) acetylacetonato complexes containing phosphinoalkynes as catalysts for the hydroboration of vinylarenes. Canadian Journal of Chemistry, 2006, 84, 146-153. | 0.6 | 21 |
| 101 | Catalytic Alkene Hydroboration Mediated by Cationic and Formally Zwitterionic Rhodium(I) and Iridium(I) Derivatives of a P,N-Substituted Indene. Organometallics, 2006, 25, 5965-5968. | 1.1 | 38 |
| 102 | N-[(Benzylcarbamoyl)(phenyl)methyl]-N-[3-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]benzamide. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o2207-o2208. | 0.2 | 0 |
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| 104 | Bulky rhodium diimine complexes for the catalyzed borylation of vinylarenes. Inorganic Chemistry Communication, 2006, 9, 788-791. | 1.8 | 26 |
| 105 | Novel rhodium complexes containing a bulky iminophosphine ligand and their use as catalysts for the hydroboration of vinylarenes. Inorganica Chimica Acta, 2006, 359, 2771-2779. | 1.2 | 21 |
| 106 | Catalyzed hydroboration of nitrostyrenes and 4-vinylaniline: a mild and selective route to aniline derivatives containing boronate esters. Tetrahedron Letters, 2006, 47, 2419-2422. | 0.7 | 20 |
| 107 | Palladium(II) Pyridinecarboxaldimine Complexes Derived from Unsaturated Amines. Transition Metal Chemistry, 2006, 31, 13-18. | 0.7 | 8 |
| 108 | Synthesis and molecular structure of 4,4,5,5-tetramethyl-2-(1-(phenylsulfonyl)propan-2-yl)-1,3,2-dioxaborolane. Journal of Chemical Crystallography, 2006, 36, 661-665. | 0.5 | 2 |

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| 109 | Synthesis, characterization, and cytotoxicities of platinum(II) complexes bearing pyridinecarboxaldimines containing bulky aromatic groups. Inorganica Chimica Acta, 2005, 358, 63-69. | 1.2 | 30 |
| 110 | Palladium salicylaldimine complexes containing boronate esters. Transition Metal Chemistry, 2005, 30, 63-68. | 0.7 | 19 |
| 111 | Palladium(II) Schiff base complexes derived from sulfanilamides and aminobenzothiazoles. Transition Metal Chemistry, 2005, 30, 411-418. | 0.7 | 60 |
| 112 | (Z)-1-Phenyl-3-[3-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenylamino]but-2-en-1-one. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o3147-o3148. | 0.2 | 0 |
| 113 | Synthesis and catalysed hydroboration of styryl sulfonamides. Canadian Journal of Chemistry, 2005, 83, 661-667. | 0.6 | 10 |
| 114 | Late metal salicylaldimine complexes derived from 5-aminosalicylic acid \hat{A} — Molecular structure of a zwitterionic mono Schiff base zinc complex. Canadian Journal of Chemistry, 2005, 83, 1063-1070. | 0.6 | 15 |
| 115 | Salicylaldimine dimers derived from 2-H2NC6H4Bpin (pinâ€,=â€,1,2-O2C2Me4). Canadian Journal of Chemistry, 2005, 83, 1158-1163. | 0.6 | 3 |
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| 118 | A gentle and efficient route for the deoxygenation of sulfoxides using catecholborane (HBcat;) Tj ETQq0 0 0 rgBT | Overlock | 10 Tf 50 38 |
| 119 | Pyridyl benzimidazole, benzoxazole, and benzothiazole platinum complexes. Polyhedron, 2004, 23, 155-160. | 1.0 | 57 |
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| 121 | Synthesis, characterization, and cytotoxicities of palladium(II) and platinum(II) complexes containing fluorinated pyridinecarboxaldimines. Polyhedron, 2004, 23, 2169-2176. | 1.0 | 39 |
| 122 | Platinum pyridinecarboxaldimine complexes containing boronate esters. Canadian Journal of Chemistry, 2004, 82, 1692-1699. | 0.6 | 8 |
| 123 | Dioxomolybdenum(VI) complexes containing 1-alkyl-2-ethyl-3-hydroxy-4-pyridin-4(1H)-ones. Transition Metal Chemistry, 2003, 28, 103-109. | 0.7 | 5 |
| 124 | Catalyzed hydroboration of allyl sulfonamides. Journal of Organometallic Chemistry, 2003, 680, 143-147. | 0.8 | 10 |
| 125 | Novel reactivity of unconjugated diimines with [PtCl2(coe)]2 (coe=cis-cyclooctene). Inorganic Chemistry Communication, 2003, 6, 1086-1090. | 1.8 | 2 |
| 126 | 2-Ethyl-3-hydroxy-1-morpholinopyridin-4(1H)-one. Acta Crystallographica Section E: Structure Reports Online, 2003, 59, o57-o58. | 0.2 | 0 |

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| 127 | 2-Thiophen-2-ylbenzothiazole, -benzoxazole, and -benzimidazole platinum complexes. Canadian Journal of Chemistry, 2003, 81, 861-865. | 0.6 | 7 |
| 128 | Synthesis and antifungal and antibacterial bioactivity of cyclic diamines containing boronate esters. New Journal of Chemistry, 2003, 27, 1419. | 1.4 | 67 |
| 129 | Synthesis and in vitro reactivity of cis-dichloro-(pyridin-2-ylcarboxaldimine)platinum(II) complexes with DNA. Canadian Journal of Chemistry, 2003, 81, 269-274. | 0.6 | 26 |
| 130 | Synthesis and reactivity of palladium and platinum diimine complexes containing boronate esters. Canadian Journal of Chemistry, 2002, 80, 1217-1222. | 0.6 | 14 |
| 131 | Bifunctional Lewis Acid Reactivity of Diol-Derived Diboron Reagents. ACS Symposium Series, 2002, , 70-87. | 0.5 | 17 |
| 132 | Synthesis and reactivity of novel Schiff bases containing boronate esters. Canadian Journal of Chemistry, 2002, 80, 31-40. | 0.6 | 22 |
| 133 | A novel sulfonamide containing a boronate ester group. Acta Crystallographica Section E: Structure Reports Online, 2002, 58, o1213-o1214. | 0.2 | 2 |
| 134 | Synthesis, characterisation and molecular structure of [Rh(COE)2(acac)] (COE=cyclooctene, î·2-C8H14), an important starting material for the preparation of rhodium catalyst precursors. Journal of Organometallic Chemistry, 2002, 649, 199-203. | 0.8 | 20 |
| 135 | Synthesis and antifungal properties of benzylamines containing boronate esters. Canadian Journal of Chemistry, 2001, 79, 1115-1123. | 0.6 | 32 |
| 136 | Rhodium-catalyzed hydroborations of allylamine and allylimines ¹ . Canadian Journal of Chemistry, 2001, 79, 1898-1905. | 0.6 | 44 |
| 137 | Metal-Catalyzed Hydroboration and Diboration of Thiocarbonyls and Vinyl Sulfides. Organometallics, 2001, 20, 2130-2132. | 1.1 | 54 |
| 138 | Alkenylpyridine and alkenylamine complexes of palladium. Transition Metal Chemistry, 2001, 26, 261-266. | 0.7 | 8 |
| 139 | Synthesis and characterization of hydrophilic hydroxy-pyridinones and their complexes with molybdenum(VI). Australian Journal of Chemistry, 2000, 53, 687. | 0.5 | 12 |
| 140 | Synthesis and hydroboration of lipophilic hydroxy-pyridinones and their complexes with molybdenum(VI). Australian Journal of Chemistry, 2000, 53, 693. | 0.5 | 9 |
| 141 | Trans alkenylpyridine and alkenylamine complexes of platinum. Canadian Journal of Chemistry, 2000, 78, 568-576. | 0.6 | 29 |
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