

Janusz Serwatowski

List of Publications by Year in descending order

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91
papers

1,320
citations

331538

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434063

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105
docs citations

105
times ranked

1236
citing authors

#	ARTICLE	IF	CITATIONS
1	Regioselective lithiation of 1-benzylpyrazole derivatives: Synthesis of amides derived from pyrazole. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4027.	1.7	0
2	Synthesis of tetraarylborates <i>via</i> tetralithio intermediates and the effect of polar functional groups and cations on their crystal structures. <i>Dalton Transactions</i> , 2018, 47, 16627-16637.	1.6	6
3	Synthesis, characterization and photoluminescence of 8-oxyquinolinato organoboron complexes derived from pyrazole. <i>Tetrahedron Letters</i> , 2017, 58, 1185-1189.	0.7	6
4	Visible-light-promoted alkylation of unsaturated MIDA boronates using Ru(bpy) ₃ Cl ₂ as the photoredox catalyst. <i>Tetrahedron Letters</i> , 2017, 58, 2162-2165.	0.7	23
5	Synthesis and Transformations of Functionalized Benzosiloxaboroles. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 818-826.	1.2	17
6	Hybrid Triazine-Boron Two-Dimensional Covalent Organic Frameworks: Synthesis, Characterization, and DFT Approach to Layer Interaction Energies. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31129-31141.	4.0	20
7	Highly Fluorescent Red-Light Emitting Bis(boranils) Based on Naphthalene Backbone. <i>Journal of Organic Chemistry</i> , 2017, 82, 8234-8241.	1.7	59
8	Finding Rules Governing Layered Architectures of Trifluoroborate Potassium Salts in the Solid State. <i>Crystal Growth and Design</i> , 2016, 16, 1687-1700.	1.4	10
9	Isomeric and Isostructural Oligothienylsilanes – Structurally Similar, Physicochemically Different: The Effect of Interplay between H ⁺ ⋯C(=O), S⋯C(=O), and Chalcogen S⋯S Interactions. <i>Crystal Growth and Design</i> , 2016, 16, 4292-4308.	1.4	12
10	Benzosiloxaboroles: Silicon Benzoxaborole Congeners with Improved Lewis Acidity, High Diol Affinity, and Potent Bioactivity. <i>Organometallics</i> , 2015, 34, 2924-2932.	1.1	21
11	Synthesis and characterization of di-, tri- and tetraboronic acids based on phenyl- and thienylsilane cores. <i>Journal of Organometallic Chemistry</i> , 2015, 783, 1-9.	0.8	6
12	Tuning of the colour and chemical stability of model boranils: a strong effect of structural modifications. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3268-3279.	1.5	36
13	Synthesis and structural characterization of selected silylated or germylated pyrazoleboronic acids. <i>Tetrahedron Letters</i> , 2015, 56, 1855-1859.	0.7	3
14	Efficient 8-oxyquinolinato emitters based on a 9,10-dihydro-9,10-diboraanthracene scaffold for applications in optoelectronic devices. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1354-1364.	2.7	24
15	Crystal structure of (2,3,6-trichlorobiphenyl-2-yl)boronic acid tetrahydrofuran monosolvate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, 1471-1474.	0.2	2
16	Effect of high pressure on the crystal structure and charge transport properties of the (2-fluoro-3-pyridyl)(4-iodophenyl)boronic 8-oxyquinolinato complex. <i>CrystEngComm</i> , 2014, 16, 10780-10790.	1.3	9
17	Crystal structure of (2-benzyloxypyrimidin-5-yl)boronic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o1259-o1260.	0.2	2
18	Influence of Fluorination and Boronic Group Synergy on the Acidity and Structural Behavior of <i>o</i> -Phenylenediboronic Acids. <i>Organometallics</i> , 2014, 33, 1608-1616.	1.1	19

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19	Competition between hydrogen and halogen bonding in the structures of 5,10-dihydroxy-5,10-dihydroboranthrenes. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 157-171.	0.5	14
20	Charge transfer properties of two polymorphs of luminescent (2-fluoro-3-pyridyl)(2,2'-biphenyl)borinic 8-oxyquinolate. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22762-22774.	1.3	9
21	Formation of dilithiated bis-(1H-pyrazol-1-yl)alkanes and their application in the synthesis of diboronic acids. <i>Tetrahedron Letters</i> , 2014, 55, 1234-1238.	0.7	8
22	Is Carbon Dioxide Able to Activate Halogen/Lithium Exchange?. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4562-4570.	1.2	9
23	Heteroleptic (2-Fluoro-3-pyridyl)arylborinic 8-Oxyquinolates for the Potential Application in Organic Light-Emitting Devices. <i>Inorganic Chemistry</i> , 2013, 52, 10846-10859.	1.9	26
24	Substituent effect on benzylic lithiation of sulfides. Synthesis of diboronic acids derived from arylalkyl sulfides. <i>Tetrahedron</i> , 2013, 69, 3159-3166.	1.0	6
25	The Influence of Boronate Groups on the Selectivity of the Br/Li Exchange in Model Dibromoaryl Boronates. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3023-3032.	1.2	10
26	Influence of the Silyl Group on the Reactivity of Some Ortho-Lithiated Aryl Alkyl Sulfides. <i>Organometallics</i> , 2013, 32, 3145-3148.	1.1	5
27	Nanotubular Hydrogen-Bonded Organic Framework Architecture of 1,2-Phenylenediboronic Acid Hosting Ice Clusters. <i>Crystal Growth and Design</i> , 2013, 13, 4181-4185.	1.4	35
28	2-Methoxy-3-(trimethylsilyl)phenylboronic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o1818-o1818.	0.2	1
29	Tandem Synthesis of 9,10-dihydro-9,10-diboroanthracenes via Elusive ortho-lithiated Phenylboronates. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 8315-8322.	1.2	27
30	(N ⁺ B)-4-Methyl-3-pyridyl[N-methyliminodiacetate-O,O ² ,N]borane. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o3070-o3070.	0.2	0
31	Synthesis of functionalized diarylborinic 8-oxyquinolates via bimetallic boron-lithium intermediates. <i>Journal of Organometallic Chemistry</i> , 2012, 711, 1-9.	0.8	16
32	Towards a monomeric structure of phenylboronic acid: The influence of ortho-alkoxy substituents on the crystal structure. <i>CrystEngComm</i> , 2012, 14, 6282.	1.3	35
33	On the Directing Effect of Boronate Groups in the Lithiation of Boronated Thiophenes. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 2208-2218.	1.2	15
34	Stability of some aryllithiums in the presence of cyano group: synthesis of biaromatic cyanoarylboronic acids and silanes. <i>Applied Organometallic Chemistry</i> , 2012, 26, 287-292.	1.7	3
35	Structural and Energetic Landscape of Fluorinated 1,4-Phenylenediboronic Acids. <i>Crystal Growth and Design</i> , 2012, 12, 3720-3734.	1.4	60
36	Polymorphism of a Model Arylboronic Azaester: Combined Experimental and Computational Studies. <i>Crystal Growth and Design</i> , 2011, 11, 1835-1845.	1.4	26

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37	5- <i>Carboxymethyl</i> -(4-methylthiophenyl)-1,3-dioxaborolanone: synthesis, characterization and application in enantioselective reduction of ketones. <i>Applied Organometallic Chemistry</i> , 2011, 25, 294-297.	1.7	1
38	Functionalization of some benzylthioarylboronic acids by benzylic lithiation of their <i>N</i> -butyldiethanolamine esters or lithium (triisopropoxy)borates. <i>Applied Organometallic Chemistry</i> , 2011, 25, 669-674.	1.7	1
39	(2,4-Dipropoxyphenyl)boronic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o3455-o3455.	0.2	1
40	Ammonia-triphenylborane. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o3098-o3098.	0.2	2
41	Formation and Synthetic Applications of Metalated Organoboranes. <i>Current Organic Chemistry</i> , 2010, 14, 2549-2566.	0.9	36
42	Interplay of O-H \cdots O, C-H \cdots O and carbonyl-carbonyl interactions in crystal structures of <i>o</i> -benzoyl- <i>l</i> -tartaric acid and its anhydride. <i>Journal of Molecular Structure</i> , 2010, 984, 75-82.	1.8	11
43	Halogen-lithium exchange versus deprotonation: regioselective mono- and dilithiation of aryl benzyl sulfides. A simple approach to \pm ,2-dilithiotoluene equivalents. <i>Tetrahedron Letters</i> , 2010, 51, 1685-1689.	0.7	8
44	Mesityl(2,4,6-trimethoxyphenyl)borinic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o1711-o1712.	0.2	1
45	1,2:3,5-Bis[(4- <i>tert</i> -butylphenyl)boranediy]- β -D-glucopyranose. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, o3166-o3166.	0.2	2
46	On the nature of the B-N interaction and the conformational flexibility of arylboronic azaesters. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13126.	1.3	28
47	Functionalization of Dihalophenylboronic Acids by Deprotonation of Their <i>N</i> -Butyldiethanolamine Esters. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 4325-4332.	1.2	23
48	Boron doped carbon nanotubes via ceramic catalysts. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009, 3, 193-195.	1.2	8
49	2,4-Dibutoxyphenylboronic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1669-o1669.	0.2	2
50	[3-Bromo-2-(3-fluorobenzyloxy)phenyl]boronic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o2250-o2250.	0.2	2
51	{2-[(2,6-Difluorophenoxy)methyl]phenyl}boronic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o2348-o2348.	0.2	1
52	Regioselective Generation of Aryllithiums from Substituted Bromobenzenes XC ₆ H ₄ (X = Br, Cl, CN, CN). <i>European Journal of Organic Chemistry</i> , 2008, 2008, 1797-1801.	1.2	5
53	One-Pot Generation of Lithium (Lithiophenyl)trialkoxylborates from Substituted Dihalobenzenes (Hal = Cl, Br, I). <i>Journal of Organic Chemistry</i> , 2008, 73, 3171-3178.	1.2	21
54	(2-Methoxy-1,3-phenylene)diboronic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o414-o415.	0.2	5

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55	Remote-Substituent-Directed Metalations of Arenes. <i>Current Organic Chemistry</i> , 2008, 12, 1479-1501.	0.9	16
56	(2-Butoxyphenyl)boronic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o437-o437.	0.2	3
57	tert-Butyl 2-(dihydroxyboryl)pyrrole-1-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1054-o1054.	0.2	0
58	A tautomeric equilibrium between functionalized 2-formylphenylboronic acids and corresponding 1,3-dihydro-1,3-dihydroxybenzo[c][2,1]oxaboroles. <i>New Journal of Chemistry</i> , 2007, 31, 144-154.	1.4	51
59	An ortho-lithiated derivative of protected phenylboronic acid: an approach to ortho-functionalized arylboronic acids and 1,3-dihydro-1-hydroxybenzo[c][2,1]oxaboroles. <i>Applied Organometallic Chemistry</i> , 2007, 21, 234-238.	1.7	30
60	Halogen-lithium exchange versus deprotonation: synthesis of diboronic acids derived from aryl benzyl ethers. <i>Tetrahedron Letters</i> , 2007, 48, 1169-1173.	0.7	15
61	Unusual reactivity of ortho-carbonylphenylboronic acids with diethanolamine. <i>Tetrahedron Letters</i> , 2007, 48, 5223-5225.	0.7	6
62	A diverse structural behaviour of boronated ortho-phthalaldehydes: A crystal structure of 1,3-dihydro-1,3-dihydroxy-4-formylbenzo[c][2,1]oxaborole. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 2924-2929.	0.8	6
63	2,3-Difluoro-4-formylphenylboronic acid. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2007, 63, o145-o146.	0.4	6
64	2-(Methoxycarbonyl)phenylboronic acid. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, o301-o303.	0.4	4
65	(2-Methoxy-3-pyridyl)boronic acid. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, o702-o704.	0.4	8
66	3-Bromo-2-(2-fluorobenzyloxy)phenylboronic acid. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o1308-o1309.	0.2	3
67	A study on the metalation of fluorinated phenyl benzyl ethers. <i>Applied Organometallic Chemistry</i> , 2006, 20, 677-682.	1.7	4
68	Long-Range Effects in the Metalation/Boronation of Functionalized 1,4-Dihalobenzenes. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 5167-5173.	1.2	12
69	Vapour pressures and enthalpies of vaporization of a series of substituted phenyl isobutyl ethers. <i>Fluid Phase Equilibria</i> , 2005, 227, 283-286.	1.4	4
70	Regioselective lithiation of aryl benzyl ethers. <i>Tetrahedron Letters</i> , 2005, 46, 1963-1965.	0.7	9
71	A study on the metalation of alkoxydibromobenzenes. <i>Tetrahedron Letters</i> , 2005, 46, 4175-4178.	0.7	23
72	Halogen-lithium exchange between substituted dihalobenzenes and butyllithium: application to the regioselective synthesis of functionalized bromobenzaldehydes. <i>Tetrahedron</i> , 2005, 61, 6590-6595.	1.0	36

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73	Regioselective Lithiation of Aryl Benzyl Ethers.. ChemInform, 2005, 36, no.	0.1	0
74	Halogen- ⁶ Lithium Exchange Between Substituted Dihalobenzenes and Butyllithium: Application to the Regioselective Synthesis of Functionalized Bromobenzaldehydes.. ChemInform, 2005, 36, no.	0.1	0
75	3-Formylphenylboronic acid. Acta Crystallographica Section C: Crystal Structure Communications, 2004, 60, o344-o345.	0.4	9
76	3-Formyl-2-furanboronic acid: X-ray and DFT studies. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o1925-o1927.	0.2	0
77	Organoboron water, part I: Synthesis and multinuclear magnetic resonance studies on the structure of tetramethyldialuminoxane. Applied Organometallic Chemistry, 2004, 18, 394-397.	1.7	11
78	Bromine as the Ortho-Directing Group in the Aromatic Metalation/Silylation of Substituted Bromobenzenes. Journal of Organic Chemistry, 2003, 68, 9384-9388.	1.7	46
79	Regiospecific Metalation of Oligobromobenzenes. Journal of Organic Chemistry, 2003, 68, 5384-5387.	1.7	59
80	Reactions of Hydroxymesitylboranes with Metal Alkyls: An Approach to New Sterically Hindered (Metaloxy)mesitylboranes. Inorganic Chemistry, 2002, 41, 2525-2528.	1.9	22
81	FORMATION OF ARYLBORON COMPOUNDS FROM ARYLMAGNESIUM REAGENTS AND TRIALKOXYBORANES. Main Group Metal Chemistry, 2002, 25, .	0.6	4
82	SYNTHESIS AND CHARACTERIZATION OF BROMOMAGNESIUM[(BISPENTAFLUOROPHENYL)DIETHOXYBORATE]. Main Group Metal Chemistry, 2002, 25, .	0.6	8
83	Solid state ¹³ C-NMR and X-ray studies on the structure of tetraethylpyrazabole. Journal of Organometallic Chemistry, 2000, 613, 93-98.	0.8	5
84	Catalyzed reaction of triethylborane with pyrazole. Journal of Organometallic Chemistry, 2000, 597, 190-195.	0.8	3
85	Diverse Reactivity of Dialkylaluminum Dimesitylboryloxides [(¹ / ₄ -Mes ₂ BO)AlR ₂] ₂ . Synthetic and Structural Study. Inorganic Chemistry, 2000, 39, 5763-5767.	1.9	32
86	Synthesis and Characterization of Dialkylmetal Boryloxides [(¹ / ₄ -9-BBN-9-O)MMe ₂] ₂ , M = Al, Ga, In. Inorganic Chemistry, 1999, 38, 3796-3800.	1.9	18
87	New Tetrameric Alkylmetal Boryloxides [(¹ / ₃ -R ₂ BO)MR ⁻] ₄ of Zinc and Cadmium with Heterocubane Structure. Inorganic Chemistry, 1999, 38, 4937-4941.	1.9	25
88	Pyrazole complexes of acyloxydialkylboranes. Journal of Organometallic Chemistry, 1998, 570, 31-37.	0.8	8
89	Studies on 1-Trimethylsilyl-2,4,6-triethylborazine and Related Species. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 1992, 47, 713-717.	0.3	2
90	Nitrogen Base Adducts of Tetraorganodiboroxanes. Chemische Berichte, 1989, 122, 3-7.	0.2	18

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91	TRIETHYLBOROXIN., 1988, , 433-436.		4