Janusz Serwatowski

List of Publications by Year
in descending order

91	1,320	331259 21	433756 31
papers	citations	h-index	g-index

105	105	105	1236
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural and Energetic Landscape of Fluorinated 1,4-Phenylenediboronic Acids. Crystal Growth and Design, 2012, 12, 3720-3734.	1.4	60
2	Regiospecific Metalation of Oligobromobenzenes. Journal of Organic Chemistry, 2003, 68, 5384-5387.	1.7	59
3	Highly Fluorescent Red-Light Emitting Bis(boranils) Based on Naphthalene Backbone. Journal of Organic Chemistry, 2017, 82, 8234-8241.	1.7	59
4	A tautomeric equilibrium between functionalized 2-formylphenylboronic acids and corresponding 1,3-dihydro-1,3-dihydroxybenzo[c][2,1]oxaboroles. New Journal of Chemistry, 2007, 31, 144-154.	1.4	51
5	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
6	Halogenâ€“lithium exchange between substituted dihalobenzenes and butyllithium: application to the regioselective synthesis of functionalized bromobenzaldehydes. Tetrahedron, 2005, 61, 6590-6595.	1.0	36
7	Formation and Synthetic Applications of Metalated Organoboranes. Current Organic Chemistry, 2010, 14, 2549-2566.	0.9	36
8	Tuning of the colour and chemical stability of model boranils: a strong effect of structural modifications. Organic and Biomolecular Chemistry, 2015, 13, 3268-3279.	1.5	36
9	Towards a monomeric structure of phenylboronic acid: The influence of ortho-alkoxy substituents on the crystal structure. CrystEngComm, 2012, 14, 6282.	1.3	35
10	Nanotubular Hydrogen-Bonded Organic Framework Architecture of 1,2-Phenylenediboronic Acid Hosting Ice Clusters. Crystal Growth and Design, 2013, 13, 4181-4185.	1.4	35
11	Diverse Reactivity of Dialkylaluminum Dimesitylboryloxides [(Î¼-Mes2BO)AlR2]2. Synthetic and Structural Study. Inorganic Chemistry, 2000, 39, 5763-5767.	1.9	32
12	Anortho-lithiated derivative of protected phenylboronic acid: an approach toortho-functionalized arylboronic acids and 1,3-dihydro-1-hydroxybenzo[c][2,1]oxaboroles. Applied Organometallic Chemistry, 2007, 21, 234-238.	1.7	30
13	On the nature of the Bâ‹¯N interaction and the conformational flexibility of arylboronic azaesters. Physical Chemistry Chemical Physics, 2010, 12, 13126.	1.3	28
14	Tandem Synthesis of 9,10â€Dihydroâ€9,10â€diboraanthracenes via Elusive orthoâ€Lithiated Phenylboronates. European Journal of Organic Chemistry, 2013, 2013, 8315-8322.	1.2	27
15	Polymorphism of a Model Arylboronic Azaester: Combined Experimental and Computational Studies. Crystal Growth and Design, 2011, 11, 1835-1845.	1.4	26
16	Heteroleptic (2-Fluoro-3-pyridyl)arylborinic 8-Oxyquinolinates for the Potential Application in Organic Light-Emitting Devices. Inorganic Chemistry, 2013, 52, 10846-10859.	1.9	26
17	New Tetrameric Alkylmetal Boryloxides [(Î¼3-R2BO)MRâ€˜]4of Zinc and Cadmium with Heterocubane Structure. Inorganic Chemistry, 1999, 38, 4937-4941.	1.9	25
18	Efficient 8-oxyquinolinato emitters based on a 9,10-dihydro-9,10-diboraanthracene scaffold for applications in optoelectronic devices. Journal of Materials Chemistry C, 2015, 3, 1354-1364.	2.7	24

#	Article	IF	Citations
19	A study on the metalation of alkoxydibromobenzenes. Tetrahedron Letters, 2005, 46, 4175-4178.	0.7	23
20	Functionalization of Dihalophenylboronic Acids by Deprotonation of Their Nâ€Butyldiethanolamine Esters. European Journal of Organic Chemistry, 2009, 2009, 4325-4332.	1.2	23
21	Visible-light-promoted alkylation of unsaturated MIDA boronates using Ru(bpy) 3 Cl 2 as the photoredox catalyst. Tetrahedron Letters, 2017, 58, 2162-2165.	0.7	23
22	Reactions of Hydroxymesitylboranes with Metal Alkyls:â€‰ An Approach to New Sterically Hindered (Metaloxy)mesitylboranes. Inorganic Chemistry, 2002, 41, 2525-2528.	1.9	22
23	Oneâ€Pot Generation of Lithium (Lithiophenyl)trialkoxyborates from Substituted Dihalobenzenes (Hal =) Tj ETQq1 1 0.784314 rgBT /Ov 3171-3178.	1.2	21
24	Benzosiloxaboroles: Silicon Benzoxaborole Congeners with Improved Lewis Acidity, High Diol Affinity, and Potent Bioactivity. Organometallics, 2015, 34, 2924-2932.	1.1	21
25	Hybrid Triazine-Boron Two-Dimensional Covalent Organic Frameworks: Synthesis, Characterization, and DFT Approach to Layer Interaction Energies. ACS Applied Materials & Interfaces, 2017, 9, 31129-31141.	4.0	20
26	Influence of Fluorination and Boronic Group Synergy on the Acidity and Structural Behavior of o-Phenylenediboronic Acids. Organometallics, 2014, 33, 1608-1616.	1.1	19
27	Nitrogen Base Adducts of Tetraorganodiboroxanes. Chemische Berichte, 1989, 122, 3-7.	0.2	18
28	Synthesis and Characterization of Dialkylmetal Boryloxides [(Î¼-9-BBN-9-O)MMe2]2, M = Al, Ga, In. Inorganic Chemistry, 1999, 38, 3796-3800.	1.9	18
29	Synthesis and Transformations of Functionalized Benzosiloxaboroles. European Journal of Organic Chemistry, 2017, 2017, 818-826.	1.2	17
30	Remote-Substituent-Directed Metalations of Arenes. Current Organic Chemistry, 2008, 12, 1479-1501.	0.9	16
31	Synthesis of functionalized diarylborinic 8-oxyquinolates via bimetallic boronâ€“lithium intermediates. Journal of Organometallic Chemistry, 2012, 711, 1-9.	0.8	16
32	Halogenâ€“lithium exchange versus deprotonation: synthesis of diboronic acids derived from arylâ€“benzyl ethers. Tetrahedron Letters, 2007, 48, 1169-1173.	0.7	15
33	On the Directing Effect of Boronate Groups in the Lithiation of Boronated Thiophenes. European Journal of Organic Chemistry, 2012, 2012, 2208-2218.	1.2	15
34	Competition between hydrogen and halogen bonding in the structures of 5,10-dihydroxy-5,10-dihydroboranthrenes. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 157-171.	0.5	14
35	Long-Range Effects in the Metalation/Boronation of Functionalized 1,4-Dihalobenzenes. European Journal of Organic Chemistry, 2006, 2006, 5167-5173.	1.2	12
36	Isomeric and Isostructural Oligothienylsilanesâ€“Structurally Similar, Physicochemically Different: The Effect of Interplay between Câ€“HÂ·Â·Â·C(Ï€), SÂ·Â·Â·C(Ï€), and Chalcogen SÂ·Â·Â·S Interactions. Crystal Growth and Design, 2016, 16, 4292-4308.	1.4	12

#	Article	IF	Citations
37	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
38	Interplay of Oâ€“Hâ‹¯O, Câ€“Hâ‹¯O and carbonylâ€“carbonyl interactions in crystal structures of o-benzoyl-l-tartaric acid and its anhydride. Journal of Molecular Structure, 2010, 984, 75-82.	1.8	11
39	The Influence of Boronate Groups on the Selectivity of the Brâ€“Li Exchange in Model Dibromoaryl Boronates. European Journal of Organic Chemistry, 2013, 2013, 3023-3032.	1.2	10
40	Finding Rules Governing Layered Architectures of Trifluoroborate Potassium Salts in the Solid State. Crystal Growth and Design, 2016, 16, 1687-1700.	1.4	10
41	3-Formylphenylboronic acid. Acta Crystallographica Section C: Crystal Structure Communications, 2004, 60, o344-o345.	0.4	9
42	Regioselective lithiation of aryl benzyl ethers. Tetrahedron Letters, 2005, 46, 1963-1965.	0.7	9
43	Effect of high pressure on the crystal structure and charge transport properties of the (2-fluoro-3-pyridyl)(4-iodophenyl)borinic 8-oxyquinolinate complex. CrystEngComm, 2014, 16, 10780-10790.	1.3	9
44	Charge transfer properties of two polymorphs of luminescent (2-fluoro-3-pyridyl)(2,2â€²-biphenyl)borinic 8-oxyquinolinate. Physical Chemistry Chemical Physics, 2014, 16, 22762-22774.	1.3	9
45	Is Carbon Dioxide Able to Activate Halogen/Lithium Exchange?. European Journal of Organic Chemistry, 2014, 2014, 4562-4570.	1.2	9
46	Pyrazole complexes of acyloxydialkylboranes. Journal of Organometallic Chemistry, 1998, 570, 31-37.	0.8	8
47	SYNTHESIS AND CHARACTERIZATION OF BROMOMAGNESIUM[(BISPENTAFLUOROPHENYL)DIETHOXYBORATE]. Main Group Metal Chemistry, 2002, 25, .	0.6	8
48	(2-Methoxy-3-pyridyl)boronic acid. Acta Crystallographica Section C: Crystal Structure Communications, 2006, 62, o702-o704.	0.4	8
49	Boron doped carbon nanotubes via ceramic catalysts. Physica Status Solidi - Rapid Research Letters, 2009, 3, 193-195.	1.2	8
50	Halogenâ€“lithium exchange versus deprotonation: regioselective mono- and dilithiation of aryl benzyl sulfides. A simple approach to Î±,2-dilithiotoluene equivalents. Tetrahedron Letters, 2010, 51, 1685-1689.	0.7	8
51	Formation of dilithiated bis-(1H-pyrazol-1-yl)alkanes and their application in the synthesis of diboronic acids. Tetrahedron Letters, 2014, 55, 1234-1238.	0.7	8
52	Unusual reactivity of ortho-carbonylphenylboronic acids with diethanolamine. Tetrahedron Letters, 2007, 48, 5223-5225.	0.7	6
53	A diverse structural behaviour of boronated ortho-phthalaldehydes: A crystal structure of 1,3-dihydro-1,3-dihydroxy-4-formylbenzo[c][2,1]oxaborole. Journal of Organometallic Chemistry, 2007, 692, 2924-2929.	0.8	6
54	2,3-Difluoro-4-formylphenylboronic acid. Acta Crystallographica Section C: Crystal Structure Communications, 2007, 63, o145-o146.	0.4	6

#	Article	IF	Citations
55	Substituent effect on benzylic lithiation of sulfides. Synthesis of diboronic acids derived from arylâ€“alkyl sulfides. Tetrahedron, 2013, 69, 3159-3166.	1.0	6
56	Synthesis and characterization of di-, tri- and tetraboronic acids based on phenyl- and thienylsilane cores. Journal of Organometallic Chemistry, 2015, 783, 1-9.	0.8	6
57	Synthesis, characterization and photoluminescence of 8-oxyquinolinato organoboron complexes derived from pyrazole. Tetrahedron Letters, 2017, 58, 1185-1189.	0.7	6
58	Synthesis of tetraarylborates via tetralithio intermediates and the effect of polar functional groups and cations on their crystal structures. Dalton Transactions, 2018, 47, 16627-16637.	1.6	6
59	Solid state 13C-NMR and X-ray studies on the structure of tetraethylpyrazabole. Journal of Organometallic Chemistry, 2000, 613, 93-98.	0.8	5
60	Regioselective Generation of Aryllithiums from Substituted Bromobenzenes XC₆H₄Br (X = 4â€Br, 4â€I, 4â€CN, 2â€CN). European Journal of Organic Chemistry, 2008, 2008, 1797-1801.	3.2	5
61	(2-Methoxy-1,3-phenylene)diboronic acid. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o414-o415.	0.2	5
62	Influence of the Silyl Group on the Reactivity of Some Ortho-Lithiated Aryl Alkyl Sulfides. Organometallics, 2013, 32, 3145-3148.	1.1	5
63	FORMATION OF ARYLBORON COMPOUNDS FROM ARYLMAGNESIUM REAGENTS AND TRIALKOXYBORANES. Main Group Metal Chemistry, 2002, 25, .	0.6	4
64	Vapour pressures and enthalpies of vaporization of a series of substituted phenyl isobutyl ethers. Fluid Phase Equilibria, 2005, 227, 283-286.	1.4	4
65	2-(Methoxycarbonyl)phenylboronic acid. Acta Crystallographica Section C: Crystal Structure Communications, 2006, 62, o301-o303.	0.4	4
66	A study on the metalation of fluorinated phenyl benzyl ethers. Applied Organometallic Chemistry, 2006, 20, 677-682.	1.7	4
67	TRIETHYLBOROXIN. , 1988, , 433-436.		4
68	Catalyzed reaction of triethylborane with pyrazole. Journal of Organometallic Chemistry, 2000, 597, 190-195.	0.8	3
69	3-Bromo-2-(2-fluorobenzyloxy)phenylboronic acid. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o1308-o1309.	0.2	3
70	(2-Butoxyphenyl)boronic acid. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o437-o437.	0.2	3
71	Stability of some aryllithiums in the presence of cyano group: synthesis of biaromatic cyanoarylboronic acids and silanes. Applied Organometallic Chemistry, 2012, 26, 287-292.	1.7	3
72	Synthesis and structural characterization of selected silylated or germylated pyrazoleboronic acids. Tetrahedron Letters, 2015, 56, 1855-1859.	0.7	3

#	Article	IF	Citations
73	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
74	1,2:3,5-Bis[(4-tert-butylphenyl)boranediyl]-Î±-D-glucofuranose. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o3166-o3166.	0.2	2
75	Ammoniaâ€“triphenylborane. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3098-o3098.	0.2	2
76	Crystal structure of (2-benzyloxypyrimidin-5-yl)boronic acid. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o1259-o1260.	0.2	2
77	2,4-Dibutoxyphenylboronic acid. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1669-o1669.	0.2	2
78	[3-Bromo-2-(3-fluorobenzyloxy)phenyl]boronic acid. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o2250-o2250.	0.2	2
79	Crystal structure of (2â€²,3,6â€²-trichlorobiphenyl-2-yl)boronic acid tetrahydrofuran monosolvate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 1471-1474.	0.2	2
80	Mesityl(2,4,6-trimethoxyphenyl)borinic acid. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o1711-o1712.	0.2	1
81	5â€Carboxymethylâ€2â€(4â€methylthiophenyl)â€1,3,2â€dioxaborolanâ€4â€one: synthesis, characterization and application in enantioselective reduction of ketones. Applied Organometallic Chemistry, 2011, 25, 294-297.	1.7	1
82	Functionalization of some benzylthioarylboronic acids by benzylic lithiation of their Nâ€butyldiethanolamine esters or lithium (triisopropoxy)borates. Applied Organometallic Chemistry, 2011, 25, 669-674.	1.7	1
83	(2,4-Dipropoxyphenyl)boronic acid. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3455-o3455.	0.2	1
84	2-Methoxy-3-(trimethylsilyl)phenylboronic acid. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1818-o1818.	0.2	1
85	{2-[(2,6-Difluorophenoxy)methyl]phenyl}boronic acid. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o2348-o2348.	0.2	1
86	3-Formyl-2-furanboronic acid: X-ray and DFT studies. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o1925-o1927.	0.2	0
87	Regioselective Lithiation of Aryl Benzyl Ethers.. ChemInform, 2005, 36, no.	0.1	0
88	Halogenâ€”Lithium Exchange Between Substituted Dihalobenzenes and Butyllithium: Application to the Regioselective Synthesis of Functionalized Bromobenzaldehydes.. ChemInform, 2005, 36, no.	0.1	0
89	(Nâ†’B)-4-Methyl-3-pyridyl[N-methyliminodiacetate-O,Oâ€²,N]borane. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o3070-o3070.	0.2	0
90	Regioselective lithiation of 1â€benzylpyrazole derivatives: Synthesis of amides derived from pyrazole. Applied Organometallic Chemistry, 2018, 32, e4027.	1.7	0

#	Article	IF	Citations
91	tert-Butyl 2-(dihydroxyboryl)pyrrole-1-carboxylate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1054-o1054.	0.2	0