

# Krzysztof Durka

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5321548/publications.pdf>

Version: 2024-02-01

66  
papers

793  
citations

567281

15  
h-index

610901

24  
g-index

72  
all docs

72  
docs citations

72  
times ranked

879  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and Energetic Landscape of Fluorinated 1,4-Phenylenediboronic Acids. <i>Crystal Growth and Design</i> , 2012, 12, 3720-3734.	3.0	60
2	Highly Fluorescent Red-Light Emitting Bis(boranils) Based on Naphthalene Backbone. <i>Journal of Organic Chemistry</i> , 2017, 82, 8234-8241.	3.2	59
3	Nanotubular Hydrogen-Bonded Organic Framework Architecture of 1,2-Phenylenediboronic Acid Hosting Ice Clusters. <i>Crystal Growth and Design</i> , 2013, 13, 4181-4185.	3.0	35
4	Combined Experimental and Computational Studies of Pyrazinamide and Nicotinamide in the Context of Crystal Engineering and Thermodynamics. <i>Crystal Growth and Design</i> , 2014, 14, 3453-3465.	3.0	35
5	On the nature of the B-N interaction and the conformational flexibility of arylboronic azaesters. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13126.	2.8	28
6	Tandem Synthesis of 9,10-Dihydro-9,10-diboraanthracenes via Elusive <i>ortho</i> -Lithiated Phenylboronates. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 8315-8322.	2.4	27
7	Polymorphism of a Model Arylboronic Azaester: Combined Experimental and Computational Studies. <i>Crystal Growth and Design</i> , 2011, 11, 1835-1845.	3.0	26
8	Heteroleptic (2-Fluoro-3-pyridyl)arylboronic 8-Oxyquinolinates for the Potential Application in Organic Light-Emitting Devices. <i>Inorganic Chemistry</i> , 2013, 52, 10846-10859.	4.0	26
9	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.	5.5	24
10	The effect of locking $\pi$ -conjugation in organoboron moieties in the structures of luminescent tetracoordinate boron complexes. <i>Dalton Transactions</i> , 2019, 48, 8642-8663.	3.3	24
11	Functionalization of Dihalophenylboronic Acids by Deprotonation of Their <i>N</i> -Butyldiethanolamine Esters. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 4325-4332.	2.4	23
12	Visible-light-promoted alkylation of unsaturated MIDA boronates using Ru(bpy) <sub>3</sub> Cl <sub>2</sub> as the photoredox catalyst. <i>Tetrahedron Letters</i> , 2017, 58, 2162-2165.	1.4	23
13	Benzosiloxaboroles: Silicon Benzoxaborole Congeners with Improved Lewis Acidity, High Diol Affinity, and Potent Bioactivity. <i>Organometallics</i> , 2015, 34, 2924-2932.	2.3	21
14	Hybrid Triazine-Boron Two-Dimensional Covalent Organic Frameworks: Synthesis, Characterization, and DFT Approach to Layer Interaction Energies. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 31129-31141.	8.0	20
15	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.	2.3	19
16	Synthesis and Transformations of Functionalized Benzosiloxaboroles. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 818-826.	2.4	17
17	On the Directing Effect of Boronate Groups in the Lithiation of Boronated Thiophenes. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 2208-2218.	2.4	15
18	Cationic and Betaine-Type Boronated Acridinium Dyes: Synthesis, Characterization, and Photocatalytic Activity. <i>ACS Omega</i> , 2019, 4, 2482-2492.	3.5	15

#	ARTICLE	IF	CITATIONS
19	Antimicrobial and KPC/AmpC inhibitory activity of functionalized benzosiloxaboroles. <i>European Journal of Medicinal Chemistry</i> , 2019, 171, 11-24.	5.5	15
20	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.	1.1	14
21	Electrophilic ipso-iodination of silylated arylboronic acids. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2635-2643.	1.8	13
22	Nitrogen–boron coordination versus OH–N hydrogen bonding in pyridoxaboroles – aza analogues of benzoxaboroles. <i>Dalton Transactions</i> , 2015, 44, 16534-16546.	3.3	13
23	New class of easily-synthesizable and modifiable organic materials for applications in luminescent devices. <i>Dyes and Pigments</i> , 2017, 138, 267-277.	3.7	13
24	Isomeric and Isostructural Oligothiethylsilanes – Structurally Similar, Physicochemically Different: The Effect of Interplay between C–H–C( $\pi$ ), S–C( $\pi$ ), and Chalcogen S–A–S Interactions. <i>Crystal Growth and Design</i> , 2016, 16, 4292-4308.	3.0	12
25	An intramolecular ortho-assisted activation of the silicon–hydrogen bond in arylsilanes: an experimental and theoretical study. <i>Dalton Transactions</i> , 2018, 47, 3705-3716.	3.3	11
26	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.	2.4	10
27	Finding Rules Governing Layered Architectures of Trifluoroborate Potassium Salts in the Solid State. <i>Crystal Growth and Design</i> , 2016, 16, 1687-1700.	3.0	10
28	Impact of High Pressure on Metallophilic Interactions and Its Consequences for Spectroscopic Properties of a Model Tetranuclear Silver(I)–Copper(I) Complex in the Solid State. <i>Inorganic Chemistry</i> , 2018, 57, 8509-8520.	4.0	10
29	Structure and Properties of 1,3-Phenylenediboronic Acid: Combined Experimental and Theoretical Investigations. <i>Crystals</i> , 2019, 9, 109.	2.2	10
30	Boronate Covalent and Hybrid Organic Frameworks Featuring P <sup>III</sup> and P=O Lewis Base Sites. <i>Chemistry - A European Journal</i> , 2020, 26, 12758-12768.	3.3	10
31	Is Carbon Dioxide Able to Activate Halogen/Lithium Exchange?. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4562-4570.	2.4	9
32	Engineering of Solvatomorphs of the Luminescent Complex of <i>ortho</i> -Phenylenediboronic Acid and 8-Hydroxyquinoline. <i>Crystal Growth and Design</i> , 2017, 17, 6836-6851.	3.0	9
33	Merging photoredox catalysis with allylboration. The photochemical perfluoroalkylation of unsaturated potassium alkyltrifluoroborates and synthesis of fluorinated alcohols. <i>Tetrahedron Letters</i> , 2018, 59, 2700-2703.	1.4	9
34	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.	1.4	8
35	Dopamine/2-Phenylethylamine Sensitivity of Ion-Selective Electrodes Based on Bifunctional-Symmetrical Boron Receptors. <i>Sensors</i> , 2019, 19, 283.	3.8	8
36	Heavy-Atom Free <i>spiro</i> Organoboron Complexes As Triplet Excited States Photosensitizers for Singlet Oxygen Activation. <i>Journal of Organic Chemistry</i> , 2021, 86, 12714-12722.	3.2	7

#	ARTICLE	IF	CITATIONS
37	Rapid and Efficient Synthesis of (R)-Aryloxypropionic Acid Esters Under Microwave Irradiation. <i>Synthetic Communications</i> , 2010, 40, 3209-3213.	2.1	6
38	Substituent effect on benzylic lithiation of sulfides. Synthesis of diboronic acids derived from aryl-alkyl sulfides. <i>Tetrahedron</i> , 2013, 69, 3159-3166.	1.9	6
39	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.	1.8	6
40	Synthesis, characterization and photoluminescence of 8-oxyquinolinato organoboron complexes derived from pyrazole. <i>Tetrahedron Letters</i> , 2017, 58, 1185-1189.	1.4	6
41	Synthesis of tetraarylborates via tetralithio intermediates and the effect of polar functional groups and cations on their crystal structures. <i>Dalton Transactions</i> , 2018, 47, 16627-16637.	3.3	6
42	The Effect of Symmetric and Asymmetric NHCs on the Structure and Catalytic Properties of Dialkylgallium Alkoxides in the Ring-Opening Polymerization of rac-Lactide Linking the Structure, Activity, and Stereoselectivity. <i>Organometallics</i> , 2021, 40, 1221-1234.	2.3	6
43	(Trifluoromethoxy)Phenylboronic Acids: Structures, Properties, and Antibacterial Activity. <i>Molecules</i> , 2021, 26, 2007.	3.8	6
44	Influence of the Silyl Group on the Reactivity of Some Ortho-Lithiated Aryl Alkyl Sulfides. <i>Organometallics</i> , 2013, 32, 3145-3148.	2.3	5
45	1,4-Phenylene-bis-((1-methyl-1H-pyrazol-5-yl)borinic 8-oxyquinolate) as a photoredox catalyst in the atom transfer radical addition of iodoperfluoroalkanes to alkenyl groups bearing organoboron compounds. <i>Tetrahedron Letters</i> , 2019, 60, 1918-1923.	1.4	5
46	Development of structurally extended benzosiloxaboroles synthesis and in vitro biological evaluation. <i>RSC Advances</i> , 2021, 11, 25104-25121.	3.6	5
47	Ground-State Charge-Density Distribution in a Crystal of the Luminescent ortho-Phenylenediboronic Acid Complex with 8-Hydroxyquinoline. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4508-4520.	2.5	4
48	The effect of conformational isomerism on the optical properties of bis(8-oxyquinolato) diboron complexes with a 2,2'-biphenyl backbone. <i>Dalton Transactions</i> , 2018, 47, 15670-15684.	3.3	4
49	Ionic Porous Organic Polymers Based on Functionalized Tetraarylborates. <i>Polymers</i> , 2019, 11, 1070.	4.5	4
50	Boronate Covalent and Hybrid Organic Frameworks Featuring P III and P=O Lewis Base Sites. <i>Chemistry - A European Journal</i> , 2020, 26, 12688-12688.	3.3	4
51	Differential Sensing of Saccharides Based on an Array of Fluorinated Benzosiloxaborole Receptors. <i>Sensors</i> , 2020, 20, 3540.	3.8	4
52	Excited-state photodynamics of pyrene-containing boronated dyes. <i>Dyes and Pigments</i> , 2022, 197, 109934.	3.7	4
53	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.	3.5	3
54	Synthesis and structural characterization of selected silylated or germylated pyrazoleboronic acids. <i>Tetrahedron Letters</i> , 2015, 56, 1855-1859.	1.4	3

#	ARTICLE	IF	CITATIONS
55	Ammoniaâ€“triphenylborane. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3098-o3098.	0.2	2
56	Crystal structure of (2-benzyloxypyrimidin-5-yl)boronic acid. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o1259-o1260.	0.2	2
57	Experimental and Theoretical Insights into Molecular and Solid-State Properties of Isomeric Bis(salicylaldehydes). Journal of Physical Chemistry A, 2019, 123, 8674-8689.	2.5	2
58	Crystal structure of (2â€“3,6â€“trichlorobiphenyl-2-yl)boronic acid tetrahydrofuran monosolvate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 1471-1474.	0.5	2
59	Design of solvatomorphic structures based on a polyboronated tetraphenyladamantane molecular tecton. CrystEngComm, 2021, 23, 8169-8182.	2.6	2
60	Expedient Synthesis of Oxaboracyclic Compounds Based on Naphthalene and Biphenyl Backbone and Phaseâ€“Dependent Luminescence of their Chelate Complexes. Chemistry - A European Journal, 2022, 28, .	3.3	2
61	Dipole-dipole interactions of sulfone groups as a tool for self-assembly of a 2D Covalent Organic Framework derived from a non-linear diboronic acid. Microporous and Mesoporous Materials, 2022, 337, 111914.	4.4	2
62	Functionalization of some benzylthioarylboronic acids by benzylic lithiation of their <i>n</i> -butyldiethanolamine esters or lithium (triisopropoxy)borates. Applied Organometallic Chemistry, 2011, 25, 669-674.	3.5	1
63	(2,4-Dipropoxyphenyl)boronic acid. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3455-o3455.	0.2	1
64	2-Methoxy-3-(trimethylsilyl)phenylboronic acid. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1818-o1818.	0.2	1
65	Design of a D <sub>3h</sub> -symmetry prismatic tris-(ferrocene-1,1â€“diyl) molecular cage bearing boronate ester linkages. Dalton Transactions, 0, , .	3.3	1
66	(Nâ€“B)-4-Methyl-3-pyridyl[N-methyliminodiacetate-O,Oâ€“N]borane. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o3070-o3070.	0.2	0