Borys OÅ›miaÅ‚owski

List of Publications by Year
in descending order

109 papers	1,964 citations	304602 22 h-index	289141 40 g-index
115 all docs	115 docs citations	115 times ranked	1808 citing authors

#	Article	IF	Citations
1	(A)symmetric chromophores based on cyano and fluorine-substituted 2,3-bis(5-arylthiophen-2-yl)quinoxalines: Synthesis, photophysical properties and application prospects. Dyes and Pigments, 2022, 204, 110434.	2.0	4
2	Molecular Decoration of Ceramic Supports for Highly Effective Enzyme Immobilizationâ€"Material Approach. Materials, 2021, 14, 201.	1.3	14
3	Two-Photon Absorption Activity of BOPHY Derivatives: Insights from Theory. Journal of Physical Chemistry A, 2021, 125, 2581-2587.	1.1	5
4	2,6-Bis((benzoyl-R)amino)pyridine (R = H, 4-Me, and 4-NMe2) Derivatives for the Removal of Cu(II), Ni(II), Co(II), and Zn(II) Ions from Aqueous Solutions in Classic Solvent Extraction and a Membrane Extraction. Membranes, 2021, 11, 233.	1.4	6
5	Substituted 2-(2-hydroxyphenyl)â€"3H-quinazolin-4-ones and their difluoroboron complexes: Synthesis and photophysical properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 252, 119497.	2.0	6
6	Tautomeric equilibrium, proton affinity and mass spectrometry fragmentation of flexible hydrogen-bonded precursors and rigid $$hbox {N}longrightarrow hbox {BF}_2$$ fluorescent dyes. Scientific Reports, 2021, 11, 15995.	1.6	2
7	The Application of 2,6-Bis(4-Methoxybenzoyl)-Diaminopyridine in Solvent Extraction and Polymer Membrane Separation for the Recovery of Au(III), Ag(I), Pd(II) and Pt(II) Ions from Aqueous Solutions. International Journal of Molecular Sciences, 2021, 22, 9123.	1.8	7
8	The fabrication, characterization, and pervaporation performance of poly(ether-block-amide) membranes blended with 4-(trifluoromethyl)-N(pyridine-2-yl)benzamide and 4-(dimethylamino)-N(pyridine-2-yl)benzamide fillers. Separation and Purification Technology, 2021, 268, 118707.	3.9	11
9	Tailoring the nonlinear absorption of fluorescent dyes by substitution at a boron center. Journal of Materials Chemistry C, 2021, 9, 6225-6233.	2.7	6
10	Effect of conjugated system extension on structural features and electron-density distribution in chargeâ€"transfer difluoroborates. Acta Crystallographica Section C, Structural Chemistry, 2021, 77, 807-813.	0.2	1
11	Supramolecular Approach to Tuning the Photophysical Properties of Quadrupolar Squaraines. Frontiers in Chemistry, 2021, 9, 800541.	1.8	1
12	Benchmarking Density Functional Approximations for Excited-State Properties of Fluorescent Dyes. Molecules, 2021, 26, 7434.	1.7	13
13	Controlling Two-Photon Action Cross Section by Changing a Single Heteroatom Position in Fluorescent Dyes. Journal of Physical Chemistry Letters, 2020, 11, 5920-5925.	2.1	14
14	Synthesis and Photophysical Studies of Novel Vâ€Shaped 2,3â€Bis{5â€arylâ€2â€thienyl}(dibenzo[f,h])quinoxalines. Asian Journal of Organic Chemistry, 2020, 9, 673-681.	1.3	5
15	Conformational and Tautomeric Control by Supramolecular Approach in Ureido-N-iso-propyl,Nâ€™-4-(3-pyridin-2-one)pyrimidine. Molecules, 2019, 24, 2491.	1.7	1
16	Design of Twoâ€Photonâ€Excited Fluorescent Dyes Containing Fluoroborylene Groups. ChemPhotoChem, 2019, 3, 719-726.	1.5	6
17	The impact of the heteroatom in a five-membered ring on the photophysical properties of difluoroborates. Dyes and Pigments, 2019, 170, 107481.	2.0	9
18	The Copper(II) Ions Solvent Extraction with a New Compound: 2,6-Bis(4-Methoxybenzoyl)-Diaminopyridine. Processes, 2019, 7, 954.	1.3	4

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19	Symmetric Fluoroborate and its Boron Modification: Crystal and Electronic Structures. Crystals, 2019, 9, 662.	1.0	6
20	A detailed theoretical and experimental study on the N H, P O and C O stretching frequencies in two new phosphoric triamides and a statistical comparison with analogous structures. Polyhedron, 2019, 158, 215-224.	1.0	8
21	Collision induced dissociation of N -(pyridin-2-yl)-substituted benzo(thio)amides and N -(isoquinolin-1-yl)furan(thiophene)-2-carboxamides and their difluoroboranyl derivatives. International Journal of Mass Spectrometry, 2018, 428, 35-42.	0.7	2
22	Spectral and physicochemical properties of difluoroboranyls containing N,N-dimethylamino group studied by solvatochromic methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 199, 86-95.	2.0	10
23	Difluoroboranyl derivatives as efficient panchromatic photoinitiators in radical polymerization reactions. Polymer Bulletin, 2018, 75, 3267-3281.	1.7	10
24	Influence of the Nature of the Amino Group in Highly Fluorescent Difluoroborates Exhibiting Intramolecular Charge Transfer. Journal of Organic Chemistry, 2018, 83, 7779-7788.	1.7	22
25	The trans/cis photoisomerization in hydrogen bonded complexes with stability controlled by substituent effects: 3-(6-aminopyridin-3-yl)acrylate case study. RSC Advances, 2018, 8, 23698-23710.	1.7	5
26	Conformational Equilibrium and Substituent Effects in Hydrogen-bonded Complexes. Current Organic Chemistry, 2018, 22, 2182-2199.	0.9	2
27	Photophysical Properties of Phenacylphenantridine Difluoroboranyls: Effect of Substituent and Double Benzannulation. Journal of Organic Chemistry, 2017, 82, 1529-1537.	1.7	37
28	Two-photon absorption of BF₂-carrying compounds: insights from theory and experiment. Physical Chemistry Chemical Physics, 2017, 19, 5705-5708.	1.3	17
29	Conformational change in the association of a heterocyclic urea derivative forming two intramolecular hydrogen bonds in polar solvent. New Journal of Chemistry, 2017, 41, 1073-1081.	1.4	5
30	Quantifying the Performances of DFT for Predicting Vibrationally Resolved Optical Spectra: Asymmetric Fluoroborate Dyes as Working Examples. Journal of Chemical Theory and Computation, 2017, 13, 4347-4356.	2.3	18
31	2,2-Difluoro-3-(4-fluorophenyl)-2H-benzo[e][1,3,2]oxazaborinin-3-ium-2-uide. IUCrData, 2017, 2, .	0.1	0
32	2-[4-(Dimethylamino)phenyl]-3,3-difluoro-3H-naphtho[1,2-e][1,3,2]oxazaborinin-2-ium-3-uide. IUCrData, 2017, 2, .	0.1	0
33	Tuning the Electronic Properties of the Dative Nâ^'B Bond with Associated Oâ^'B Interaction: Electron Localizability Indicator from Xâ€Ray Wavefunction Refinement. ChemPhysChem, 2016, 17, 2395-2406.	1.0	11
34	Synthesis and Photophysical Properties of Novel Donorâ€“Acceptor N-(Pyridin-2-yl)-Substituted Benzo(thio)amides and Their Difluoroboranyl Derivatives. Journal of Physical Chemistry A, 2016, 120, 4116-4123.	1.1	22
35	The Influence of the Ï€-Conjugated Spacer on Photophysical Properties of Difluoroboranyls Derived from Amides Carrying a Donor Group. Journal of Organic Chemistry, 2016, 81, 2280-2292.	1.7	45
36	Application of spectroscopic and theoretical methods in the studies of photoisomerization and photophysical properties of the pushâ€"pull styryl-benzimidazole dyes. Photochemical and Photobiological Sciences, 2016, 15, 117-128.	1.6	19

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37	2-Methyl-N-(pyrazin-2-yl)propanamideâ€“1,2,4,5-tetrafluoro-3,6-diiodobenzene (2/1). IUCrData, 2016, 1, .	0.1	1
38	N,Nâ€²-Bis(pyridin-2-yl)octanediamide. IUCrData, 2016, 1, .	0.1	0
39	N-(Pyrazin-2-yl)adamantane-1-carboxamide. IUCrData, 2016, 1, .	0.1	1
40	Conformational equilibrium in supramolecular chemistry: Dibutyltriuret case. Beilstein Journal of Organic Chemistry, 2015, 11, 2105-2116.	1.3	8
41	Use of time-resolved fluorescence spectroscopy to evaluate diagnostic value of collagen degradation products. Journal of Biomedical Optics, 2015, 20, 051039.	1.4	5
42	Influence of Substituent and Benzoannulation on Photophysical Properties of 1-Benzoylmethyleneisoquinoline Difluoroborates. Journal of Organic Chemistry, 2015, 80, 2072-2080.	1.7	47
43	Toward Fully Nonempirical Simulations of Optical Band Shapes of Molecules in Solution: A Case Study of Heterocyclic Ketoimine Difluoroborates. Journal of Physical Chemistry A, 2015, 119, 5145-5152.	1.1	39
44	Comment on â€œNon-symmetric substituted ureas locked in an (E,Z) conformation: an unusual anion binding via supramolecular assemblyâ€• by M. Olivari, C. Caltagirone, A. Garau, F. Isaia, M. E. Light, V. Lippolis, R. Montis and M. A. Scorciapino, New J. Chem., 2013, 37, 663. New Journal of Chemistry, 2014, 38, 2701.	1.4	6
45	Substituent effects in hydrogen bonding: DFT and QTAIM studies on acids and carboxylates complexes with formamide. Journal of Molecular Modeling, 2014, 20, 2356.	0.8	11
46	Association of N-(Pyridin-2-yl),Nâ€²-substituted Ureas with 2-Amino-1,8-naphthyridines and Benzoates: NMR and Quantum Chemical Studies of the Substituent Effect on Complexation. Journal of Organic Chemistry, 2013, 78, 7582-7593.	1.7	17
47	Substituent Effect in 2-Benzoylmethylenequinoline Difluoroborates Exhibiting Through-Space Couplings. Multinuclear Magnetic Resonance, X-ray Diffraction, and Computational Study. Journal of Physical Chemistry A, 2013, 117, 252-256.	1.1	22
48	The influence of CH bond polarization on the self-association of 2-acylaminopyrimidines by NH/CHÂ·Â·Â·O/N interactions: XRD, NMR, DFT, and AIM study. Structural Chemistry, 2013, 24, 2203-2209.	1.0	11
49	Association of 2-acylaminopyridines and benzoic acids. Steric and electronic substituent effect studied by XRD, solution and solid-state NMR and calculations. Journal of Molecular Structure, 2013, 1054-1055, 157-163.	1.8	4
50	Substituent effects on the photophysical properties of fluorescent 2-benzoylmethylenequinoline difluoroboranes: A combined experimental and quantum chemical study. Dyes and Pigments, 2013, 99, 957-965.	2.0	42
51	N-[2-(2,2-Dimethylpropanamido)pyrimidin-4-yl]-2,2-dimethylpropanamiden-hexane 0.25-solvate hemihydrate. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1617-o1618.	0.2	0
52	6-Amino-2-(pivaloylamino)pyridinium benzoate. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, o1483-o1484.	0.2	0
53	2-Acylamino- and 2,4-Bis(acylamino)pyrimidines as Supramolecular Synthons Analyzed by Multiple Noncovalent Interactions. DFT, X-ray Diffraction, and NMR Spectral Studies. Journal of Organic Chemistry, 2012, 77, 9609-9619.	1.7	17
54	2-Acylamino-6-pyridones: Breaking of an Intramolecular Hydrogen Bond by Self-association and Complexation with Double and Triple Hydrogen Bonding Counterparts. Uncommon Steric Effect on Intermolecular Interactions. Journal of Organic Chemistry, 2012, 77, 1653-1662.	1.7	28

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55	¹⁵N NMR Studies of tautomerism. International Reviews in Physical Chemistry, 2012, 31, 567-629.	0.9	25
56	Noncovalent interactions between classical supramolecular synthons in solution: Hydrogen bonding in hindered 2-acylaminopyridine/2-pyridone associates. Journal of Molecular Structure, 2012, 1018, 84-87.	1.8	6
57	Proton transfer reaction and intermolecular interactions in associates of 2,5-dihydroxy-1,8-naphthyridine. Journal of Molecular Modeling, 2012, 18, 1633-1644.	0.8	9
58	Two (E)-2-({[4-(dialkylamino)phenyl]imino}methyl)-4-nitrophenols. Acta Crystallographica Section C: Crystal Structure Communications, 2012, 68, o279-o282.	0.4	3
59	Tuning the hydrogen-bonding strength in 2,6-bis(cycloalkylcarbonylamino)pyridine assemblies by variable flexibility. Association constants measured by hydrogen-bonded vs. non-hydrogen-bonded protons. Supramolecular Chemistry, 2011, 23, 579-586.	1.5	11
60	The effect of benzoannulation on the transition state and the proton transfer equilibrium in di(2-pyridyl)methane derivatives. New Journal of Chemistry, 2011, 35, 1433.	1.4	7
61	NMR crystallography of 2-acylamino-6-[1H]-pyridones: Solid-state NMR, GIPAW computational, and single crystal X-ray diffraction studies. Journal of Molecular Structure, 2011, 1006, 678-683.	1.8	12
62	Intermolecular steric hindrance in 7-acylamino-[1H]-2-oxo-1,8-naphthyridines: NMR, ESI-MS, IR, and DFT calculation studies. Structural Chemistry, 2011, 22, 1143-1151.	1.0	14
63	The influence of secondary interactions on complex stability and double proton transfer reaction in 2-[1H]-pyridone/2-hydroxypyridine dimers. Journal of Molecular Modeling, 2011, 17, 2491-2500.	0.8	11
64	N2,N2,N6,N6-Tetrakis(2,3,4,5,6-pentafluorobenzoyl)pyridine-2,6-diamine. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3429-o3430.	0.2	1
65	DFT studies on tautomeric preferences. Part 3: Proton transfer in 2-(8-acylquinolin-2-yl)-1,3-diones. Structural Chemistry, 2010, 21, 1037-1041.	1.0	11
66	NMR and quantum chemical studies on association of 2,6-bis(acylamino)pyridines with selected imides and 2,2â€²-dipyridylamine. Structural Chemistry, 2010, 21, 1061-1067.	1.0	23
67	DFT studies on tautomeric preferences of 1-(pyridin-2-yl)-4-(quinolin-2-yl)butane-2,3-dione in the gas phase and in solution. Structural Chemistry, 2010, 21, 1283-1287.	1.0	4
68	(Z)-Ethyl 2-oxo-3-(1,2-dihydroquinolin-2-ylidene)propanoate. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o1746-o1747.	0.2	1
69	Self-Organization of 2-Acylaminopyridines in the Solid State and in Solution. Journal of Physical Chemistry A, 2010, 114, 10421-10426.	1.1	48
70	Complexation of 2,6-Bis(acylamino)pyridines with Dipyridin-2-ylamine and 4,4-Dimethylpiperidine-2,6-dione. Journal of Physical Chemistry A, 2010, 114, 12881-12887.	1.1	25
71	Effect of vinylene and 1,4-phenylene spacers on efficiency of the ground-state intramolecular charge-transfer in enlarged 4-dimethylamino-1-methylpyridinium cations. Structural Chemistry, 2009, 20, 655-662.	1.0	4
72	Electron ionization mass spectra and tautomerism of substituted 2â€phenacylquinolines. Rapid Communications in Mass Spectrometry, 2009, 23, 1075-1084.	0.7	10

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73	(1Z,3Z)-3-[Quinolin-2(1H)-ylidene]-1-(quinolin-2-yl)prop-1-en-2-ol: An unexpected most stable tautomer of 1,3-bis(quinolin-2-yl)acetone. Journal of Molecular Structure, 2009, 930, 78-82.	1.8	6
74	Secondary interactions as driving force in heterocomplex formation of 2,7-disubstituted-1,8-naphthyridines: Quantum chemical, NMR and mass spectral investigations. Journal of Molecular Structure, 2009, 931, 60-67.	1.8	8
75	Systematic investigation of 2,7-dihydroxy-1,8-naphthyridine dimerization â€“ secondary interactions and tautomeric preferences calculations. Computational and Theoretical Chemistry, 2009, 908, 92-101.	1.5	10
76	N-(2-Benzoyl-4-chlorophenyl)-4-chlorobenzenesulfonamide. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o737-o737.	0.2	0
77	Influence of Bond Fixation in Benzo-AnnulatedN-Salicylideneanilines and Theirortho-C(O)X Derivatives (X = CH3, NH2, OCH3) on Tautomeric Equilibria in Solution. Journal of Organic Chemistry, 2007, 72, 5598-5607.	1.7	38
78	Tautomeric preferences of phthalones and related compounds. Tetrahedron, 2007, 63, 9172-9178.	1.0	34
79	Bischromophoric styrylpyridinium dyes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 67, 306-315.	2.0	11
80	GIAO/DFT 13C NMR Chemical Shifts of 1,3,4-Thiadiazoles. Phosphorus, Sulfur and Silicon and the Related Elements, 2007, 182, 2217-2225.	0.8	5
81	Tautomeric Equilibria and Pi Electron Delocalization for Some MonohydroxyarenesQuantum Chemical Studies. Journal of Organic Chemistry, 2006, 71, 3727-3736.	1.7	48
82	Topology-Driven Physicochemical Properties of Ï€-Î•lectron Systems. 1. Does the Clar Rule Work in Cyclic Ï€-Electron Systems with the Intramolecular Hydrogen or Lithium Bond?â€. Journal of Organic Chemistry, 2006, 71, 7678-7682.	1.7	34
83	Electron Ionization Mass Spectra and Tautomerism of 2-Phenacylpyridines. European Journal of Mass Spectrometry, 2006, 12, 25-29.	0.5	8
84	The experimental studies on the determination of the ground and excited state dipole moments of some hemicyanine dyes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 63, 524-531.	2.0	75
85	Tautomeric Equilibria in Relation to Pi-Electron Delocalization. ChemInform, 2006, 37, no.	0.1	0
86	Effect of Ï€-Electron Delocalization on Tautomeric Equilibria â€“ Benzoannulated 2-Phenacylpyridines. European Journal of Organic Chemistry, 2006, 2006, 2817-2824.	1.2	25
87	Synthesis of 6-acylmethylphenanthridine enaminones. Journal of the Iranian Chemical Society, 2005, 2, 294-299.	1.2	6
88	Complex tauto- and rotamerism of 2-(R-phenyl)-1,2,3,4-tetrahydroquinazolines. Journal of Physical Organic Chemistry, 2005, 18, 737-742.	0.9	6
89	Tautomeric equilibria, H-bonding and Ï€-electron delocalization ino-nitrosophenol. A B3LYP/6-311â€‰+â€‰G(2df,2p) study. Journal of Physical Organic Chemistry, 2005, 18, 892-897.	0.9	34
90	13C-NMR Based Evaluation of the Electronic and Steric Interactions in Aromatic Amines. International Journal of Molecular Sciences, 2005, 6, 52-62.	1.8	20

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91	Tautomeric Equilibria in Relation to Pi-Electron Delocalization. Chemical Reviews, 2005, 105, 3561-3612.	23.0	298
92	Identity Double-Proton Transfer in (3Z)-3-Hydroxy-1,4-di(quinolin-2-yl)but-3-en-2-one. Chemistry - A European Journal, 2003, 9, 2710-2716.	1.7	20
93	Structural characterization of Î²-2â€²-pyridylaminocrotonoyl-2-pyridylamide by ESI-MS, NMR, single crystal X-ray analysis and ab initio methods. Journal of Molecular Structure, 2003, 654, 61-69.	1.8	7
94	STABILITY OF THE DIMERS OF AZA ANALOGS OF 2-FORMYLPYRROLE. CONJUGATION VERSUS HYDROGEN BONDING. Heterocyclic Communications, 2003, 9, .	0.6	2
95	(1Z,3Z)-1,4-Di(pyridin-2-yl)buta-1,3-diene-2,3-diol:Â The Planar Highly Conjugated Symmetrical Enediol with Multiple Intramolecular Hydrogen Bonds. Journal of Organic Chemistry, 2002, 67, 3339-3345.	1.7	32
96	4-Fluoroanilines: synthesis and decomposition. Journal of Fluorine Chemistry, 2001, 111, 1-10.	0.9	19
97	Long-range substituent and temperature effect on prototropic tautomerism in 2-(acylmethyl)quinolines. Journal of Physical Organic Chemistry, 2001, 14, 201-204.	0.9	13
98	Predominance of 2-arylhydrazones of 1,3-diphenylpropane-1,2,3-trione over its proton-transfer products. Journal of Physical Organic Chemistry, 2001, 14, 797-803.	0.9	13
99	GIAO/DFT calculated chemical shifts of tautomeric species. 2-Phenacylpyridines and (Z)-2-(2-hydroxy-2-phenylvinyl)pyridines. Magnetic Resonance in Chemistry, 2001, 39, 334-340.	1.1	166
100	N-methyl-1,2-dihydro-2-benzoylmethylenequinolines: configurational dissimilarity with unmethylated congeners. Journal of Molecular Structure, 2000, 525, 233-239.	1.8	19
101	NMR spectral and X-ray structural investigation of 1,3-bis(2-quinolyl)-2-(p-chlorophenyl)-2-propanol. Journal of Molecular Structure, 2000, 525, 241-245.	1.8	3
102	Substituent and temperature controlled tautomerism: multinuclear magnetic resonance, X-ray, and theoretical studies on 2-phenacylquinolines. Perkin Transactions II RSC, 2000, , 1259-1266.	1.1	68
103	Substituent and temperature controlled tautomerism of 2-phenacylpyridine: the hydrogen bond as a configurational lock of (Zâ€Š)-2-(2-hydroxy-2-phenylvinyl)pyridine. Perkin Transactions II RSC, 2000, , 2185-2191.	1.1	60
104	SYNTHESIS AND NMR SPECTRA OF 2-METHYL-2-QUINOLIN-2-YL-PROPIOPHENONES. Heterocyclic Communications, 1999, 5, .	0.6	8
105	Predominance of inductive over resonance substituent effect on33S NMR chemical shifts of 4-substituted phenyl-4â€²-methylphenacyl sulfones. Magnetic Resonance in Chemistry, 1999, 37, 437-440.	1.1	5
106	Predominance of resonance over polar effects on1H,13C and15N NMR substituent chemical shifts inN-arylglycines. Magnetic Resonance in Chemistry, 1998, 36, 848-854.	1.1	5
107	NMR spectral assignment of substituted salicylaldoximes by inverse pulse techniques withz-gradient selection: correlation of NMR parameters with substituent constants. Magnetic Resonance in Chemistry, 1997, 35, 778-784.	1.1	11
108	NMR Spectra of Anilines. , 0, , 347-371.		3

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109	Less is more: On the effect of benzannulation on solid-state emission of difluoroborates. Journal of Materials Chemistry C, 0, , .	2.7	6