

# Łukasz Dobrzycki

## List of Publications by Year in descending order

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83  
papers

1,153  
citations

430442

18  
h-index

454577

30  
g-index

90  
all docs

90  
docs citations

90  
times ranked

1613  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogenation of $\beta$ -Keto Sulfones to $\beta$ -Hydroxy Sulfones with Alkyl Aluminum Compounds: Structure of Intermediate Hydroalumination Products. <i>Molecules</i> , 2022, 27, 2357.	1.7	0
2	Intermolecular interactions in hydrates of 4-methylpiperidine and 4-chloropiperidine – a structural and computational study. <i>CrystEngComm</i> , 2021, 23, 1251-1262.	1.3	2
3	Bowl-Shaped Pentagon- and Heptagon-Embedded Nanographene Containing a Central Pyrrolo[3,2-b]pyrrole Core. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14998-15005.	7.2	53
4	Rücktitelbild: Bowl-Shaped Pentagon- and Heptagon-Embedded Nanographene Containing a Central Pyrrolo[3,2-b]pyrrole Core ( <i>Angew. Chem.</i> 27/2021). <i>Angewandte Chemie</i> , 2021, 133, 15240-15240.	1.6	0
5	Bowl-Shaped Pentagon- and Heptagon-Embedded Nanographene Containing a Central Pyrrolo[3,2-b]pyrrole Core. <i>Angewandte Chemie</i> , 2021, 133, 15125-15132.	1.6	14
6	Utilizing an Amino Acid Scaffold to Construct Heteroditopic Receptors Capable of Interacting with Salts under Interfacial Conditions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10754.	1.8	1
7	Fluorescence Recognition of Anions Using a Heteroditopic Receptor: Homogenous and Two-Phase Sensing. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13396.	1.8	8
8	Squaramide based ion pair receptors possessing ferrocene as a signaling unit. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 972-983.	3.0	22
9	Magnesium tetraorganyl derivatives of group 13 metals as intermediate products in the synthesis of group 13 metal alkyls and aryls. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5751.	1.7	1
10	Reactions of $\beta$ -keto sulfones with <i>n</i> -butyl aluminum compounds: Reinvestigation of tri- <i>n</i> -butyl aluminum synthesis. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5961.	1.7	2
11	Cooperative Transport and Selective Extraction of Sulfates by a Squaramide-Based Ion Pair Receptor: A Case of Adaptable Selectivity. <i>Inorganic Chemistry</i> , 2020, 59, 13749-13759.	1.9	21
12	Highly Efficient, Tripodal Ion-Pair Receptors for Switching Selectivity between Acetates and Sulfates Using Solid-Liquid and Liquid-Liquid Extractions. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9465.	1.8	8
13	Electrosynthesis of Unique Ag <sup>II</sup> Fluoride Quantum Antiferromagnets in Anhydrous HF. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3151-3157.	1.0	1
14	Photostable orange-red fluorescent unsymmetrical diketopyrrolopyrrole-BF <sub>2</sub> hybrids. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7708-7717.	2.7	14
15	Polymorphism and structural diversities of LiClO <sub>4</sub> - $\beta$ -alanine ionic co-crystals. <i>CrystEngComm</i> , 2020, 22, 4427-4437.	1.3	3
16	Ion-pair induced supramolecular assembly formation for selective extraction and sensing of potassium sulfate. <i>Chemical Science</i> , 2019, 10, 9542-9547.	3.7	45
17	Kosmotropic Behavior of 3-Pyrroline during Crystalline Hydrates Formation. <i>Crystal Growth and Design</i> , 2019, 19, 4721-4730.	1.4	2
18	Cholesterol-based photo-switchable mesogenic dimers. Strongly bent molecules versus an intercalated structure. <i>CrystEngComm</i> , 2019, 21, 2779-2789.	1.3	13

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19	An X-ray and Natural Bond Orbital (NBO) structural study of $\hat{\pm}$ -tocopheryl and 2,2,5,7,8-pentamethylchroman-6-yl succinates. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 365-377.	2.4	6
20	Formation of Crystalline Hydrates by Nonionic Chaotropes and Kosmotropes: Case of Piperidine. <i>Crystal Growth and Design</i> , 2019, 19, 1005-1020.	1.4	6
21	Phenyl glycosides – Solid-state NMR, X-ray diffraction and conformational analysis using genetic algorithm. <i>Chemical Physics</i> , 2019, 519, 126-136.	0.9	2
22	Disulphide bond exchange inhibited by air – kinetic and thermodynamic products in a library of macrocyclic cysteine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2411-2420.	1.5	0
23	Towards clathrates. 2. The frozen states of hydration of <i>tert</i> -butanol. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2018, 233, 41-49.	0.4	6
24	Recognition and Extraction of Sodium Chloride by a Squaramide-Based Ion Pair Receptor. <i>Inorganic Chemistry</i> , 2018, 57, 12941-12952.	1.9	29
25	Solid-state structure by X-ray and <sup>13</sup> C CP/MAS NMR of new 6-acetyl-8-bromo-5-O-alkylamino-4,7-dimethylcoumarins. <i>Structural Chemistry</i> , 2018, 29, 1903-1915.	1.0	1
26	The Coumarin Dimer Spring – The Struggle between Charge Transfer and Steric Interactions. <i>Chemistry - A European Journal</i> , 2017, 23, 9174-9184.	1.7	12
27	Hydrogen Bonds Involving Cavity NH Protons Drives Supramolecular Oligomerization of Amido-Corroles. <i>Chemistry - A European Journal</i> , 2017, 23, 10195-10204.	1.7	13
28	Synthesis, spectroscopic characterization, X-ray study and <i>in vitro</i> cytotoxicity of 5-hydroxycoumarin derivatives and their copper complexes. <i>Journal of Molecular Structure</i> , 2017, 1145, 292-299.	1.8	2
29	Coordination modes of 2-mercapto-1,3-benzothiazolate in gallium and indium complexes. <i>Journal of Coordination Chemistry</i> , 2017, 70, 1528-1535.	0.8	0
30	Aminophenolates of aluminium, gallium and zinc: Synthesis, characterization and polymerization activity. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3748.	1.7	5
31	Reconnaissance of reactivity of an Ag( <sup>II</sup> )SO <sub>4</sub> one-electron oxidizer towards naphthalene derivatives. <i>New Journal of Chemistry</i> , 2017, 41, 10742-10749.	1.4	15
32	Chiral dialkylaluminum 6,7-dihydro-5H-pyrrolo[1,2-a]imidazol-7-olates: Synthesis, characterization and polymerization activity. <i>Journal of Organometallic Chemistry</i> , 2017, 848, 302-308.	0.8	2
33	Synthesis and biological screening of a new series of 5-[4-(4-aryl-1-piperazinyl)butoxy]coumarins. <i>Monatshefte für Chemie</i> , 2016, 147, 1615-1627.	0.9	15
34	Structural and Stability Studies of a Series of <i>para</i> -Phenylenediboronic and <i>para</i> -Hydroxyphenylboronic Acid Cocrystals with Selected Aromatic N-Oxides. <i>Crystal Growth and Design</i> , 2016, 16, 7037-7050.	1.4	10
35	Reactions of trialkyl aluminum and trialkyl gallium with the <i>N</i> - <i>tert</i> -butyl amide of succinic acid: Molecular and supramolecular structures of the products. <i>Journal of Organometallic Chemistry</i> , 2016, 819, 228-236.	0.8	0
36	The role of steric hindrance in the intramolecular oxidative aromatic coupling of pyrrolo[3,2- <i>b</i> ]pyrroles. <i>Chemical Communications</i> , 2016, 52, 11539-11542.	2.2	23

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37	Crystal structure of 4,4- $\epsilon^2$ -bipiperidinium dichloride 0.12 hydrate, $C_{10}H_{22}N_2Cl_2 \cdot 0.12 H_2O$ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2016, 231, 693-694.	0.1	0
38	Solid state structure by X-ray and $^{13}C$ CP/MAS NMR of new 5-[2-(N,N-dimethylamino)ethoxy]-4,7-dimethylcoumarins. Journal of Molecular Structure, 2016, 1112, 25-32.	1.8	4
39	Hydrates of Cyclobutylamine: Modifications of Gas Clathrate Types sl and sH. Crystal Growth and Design, 2016, 16, 2717-2725.	1.4	7
40	Complete Series of Alkali-Metal $M(BH_3NH_2)_2(BH_3NH_2)_3$ Hydrogen-Storage Salts Accessed via Metathesis in Organic Solvents. Inorganic Chemistry, 2016, 55, 37-45.	1.9	24
41	Aluminum hippurate and diglycolate as multinuclear metal carboxylates. Journal of Coordination Chemistry, 2015, 68, 1189-1198.	0.8	2
42	Towards Clathrates: Frozen States of Hydration of <i>tert</i> -Butylamine. Angewandte Chemie - International Edition, 2015, 54, 10138-10144.	7.2	16
43	Frontispiece: Towards Clathrates: Frozen States of Hydration of <i>tert</i> -Butylamine. Angewandte Chemie - International Edition, 2015, 54, .	7.2	0
44	Microwave-assisted preparation, structural characterization, lipophilicity, and anti-cancer assay of some hydroxycoumarin derivatives. Monatshefte für Chemie, 2015, 146, 89-98.	0.9	9
45	Solid state structure of new 5-[2-(N,N-diethylamino)ethoxy]-4,7-dimethylcoumarins by X-ray and $^{13}C$ CP/MAS NMR. Journal of Molecular Structure, 2015, 1088, 123-128.	1.8	5
46	Aluminum, gallium and indium thiobenzoates: synthesis, characterization and crystal structures. Journal of Sulfur Chemistry, 2015, 36, 326-339.	1.0	3
47	Pyrrolidine and Its Hydrates in the Solid State. Crystal Growth and Design, 2015, 15, 4804-4812.	1.4	18
48	Role of Lewis bases in reactions of aluminum and gallium trialkyls with 2-mercaptobenzoxazole. Journal of Organometallic Chemistry, 2015, 776, 1-6.	0.8	5
49	First experimental charge density study using a Bruker CMOS-type PHOTON 100 detector: the case of ammonium tetraoxalate dihydrate. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 847-855.	0.5	9
50	Synthesis and structure evaluation of new complex butylarylpiperazin-1-yl derivatives. Medicinal Chemistry Research, 2014, 23, 1519-1536.	1.1	3
51	The effect of rotating substituent in 2,2,5,7,8-pentamethylchroman derivatives. X-ray, $^{13}C$ CP MAS analysis and DFT analysis. Journal of Molecular Structure, 2014, 1076, 512-517.	1.8	6
52	On two alizarin polymorphs. CrystEngComm, 2012, 14, 3667.	1.3	21
53	On the aromatic stabilization of benzenoid hydrocarbons. Chemical Communications, 2012, 48, 10129.	2.2	18
54	Thermal and chemical decomposition of di(pyrazine)silver(ii) peroxydisulfate and unusual crystal structure of a Ag(i) by-product. Dalton Transactions, 2012, 41, 396-402.	1.6	10

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55	Differences in Charge Density Distribution and Stability of Two Polymorphs of Benzidine Dihydrochloride. <i>Crystal Growth and Design</i> , 2012, 12, 3526-3539.	1.4	23
56	The missing crystal structures of fluorosulfates of monovalent cations: M(I)SO <sub>3</sub> F, M=Na, Rb and Tl. <i>Journal of Fluorine Chemistry</i> , 2012, 140, 116-120.	0.9	4
57	The magnetic properties of potassium holmium double tungstate. <i>Low Temperature Physics</i> , 2011, 37, 678-683.	0.2	2
58	Polymorphism of Crystalline 4-Amino-2-Nitroacetanilide. <i>Crystal Growth and Design</i> , 2011, 11, 2074-2083.	1.4	10
59	Quadrannulene: A Nonclassical Fullerene Fragment. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 399-402.	7.2	102
60	Cover Picture: Quadrannulene: A Nonclassical Fullerene Fragment ( <i>Angew. Chem. Int. Ed.</i> 2/2010). <i>Angewandte Chemie - International Edition</i> , 2010, 49, 225-225.	7.2	1
61	Slavikite--Revision of chemical composition and crystal structure. <i>American Mineralogist</i> , 2010, 95, 11-18.	0.9	8
62	Nickel macrocycles with complex hydrides--new avenues for hydrogen storage research. <i>Energy and Environmental Science</i> , 2010, 3, 1973.	15.6	19
63	Charge Densities of Two Polymorphs of Hydrated 1,8-Bis(dimethylamino)naphthalene Hydrochloride--Similarities and Differences. <i>Crystal Growth and Design</i> , 2010, 10, 5092-5104.	1.4	25
64	Reactions of dizincocene with sterically demanding bis(iminodi(phenyl)phosphorano)methanes. <i>Chemical Communications</i> , 2010, 46, 7757.	2.2	40
65	1D vs 2D crystal architecture of hybrid inorganic--organic structures with benzidine dication. <i>Journal of Molecular Structure</i> , 2009, 921, 18-33.	1.8	64
66	Structures of hybrid inorganic--organic salts with benzidine dication derivatives. <i>CrystEngComm</i> , 2008, 10, 525.	1.3	21
67	Inorganic--organic hybrid salts of diaminobenzenes and related cations. <i>CrystEngComm</i> , 2008, 10, 577.	1.3	50
68	Stacks of DMANH+-- scaffolding for ribbon shaped Cl--bridged oxonium ions. <i>CrystEngComm</i> , 2007, 9, 152-157.	1.3	6
69	Structural consequences of benzidine dihydrochloride substitution in the solid state. <i>CrystEngComm</i> , 2007, 9, 1029.	1.3	6
70	New Chemical Method of Obtaining Thick Ga <sub>1-x</sub> Mn <sub>x</sub> N Layers: A Prospective Spintronic Material. <i>Chemistry of Materials</i> , 2007, 19, 3139-3143.	3.2	11
71	Growth and structural properties of thick GaN layers obtained by sublimation sandwich method. <i>Journal of Crystal Growth</i> , 2007, 303, 395-399.	0.7	9
72	On polymorphism and planarity of benzidine dihydrochloride. <i>CrystEngComm</i> , 2006, 8, 780-783.	1.3	9

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73	Growth of bulk Ga(Mn,Si)N single crystals. <i>Journal of Crystal Growth</i> , 2006, 291, 12-17.	0.7	2
74	Crystal structure and EPR of the RbNd(WO <sub>4</sub> ) <sub>2</sub> single crystal. <i>Physica B: Condensed Matter</i> , 2006, 371, 205-209.	1.3	19
75	Preparation of Ga <sub>1-x</sub> MnxN bulk single crystals with c-axis parallel to dominant plane of platelets. <i>Journal of Crystal Growth</i> , 2005, 276, 419-423.	0.7	5
76	Structural aspects of phase transition in pyrrole-2,5-dithioamide single crystals. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 864-869.	0.9	9
77	Structure and spectroscopic properties of (AA <sup>2+</sup> )(BB <sup>2+</sup> )O <sub>3</sub> mixed-perovskite crystals. <i>Journal of Materials Research</i> , 2005, 20, 3329-3337.	1.2	15
78	Unusual Anion <sup>-</sup> Anion Assembly inside a Macrocyclic-Defined Channel in the Crystal Lattice. <i>Crystal Growth and Design</i> , 2005, 5, 1339-1341.	1.4	3
79	Structure of YAG Crystals Doped/Substituted with Erbium and Ytterbium. <i>Inorganic Chemistry</i> , 2004, 43, 7656-7664.	1.9	87
80	NMR and X-ray investigations of model tris- and bis-pyridinium fluoroborates. <i>Journal of Molecular Structure</i> , 2004, 707, 115-121.	1.8	1
81	New alkoxy-carbonyl derivatives of dibenzotetraaza[14]annulene. Crystal and molecular structure of [5,14-dihydro-7,16-diisopropoxycarbonyl-8,15-dimethyl-6,17-diphenyldibenzo[b,i][1,4,8,11]tetraazacyclotetradecina-1,10(2-)-14N]nickel(II) complex. <i>Polyhedron</i> , 2003, 22, 3299-3305.	1.4	4
82	Synthesis of Bulk Ga <sub>1-x</sub> MnxN:â€‰‰ A Prospective Spintronic Material. <i>Chemistry of Materials</i> , 2003, 15, 4533-4535.	3.2	9
83	X-ray diffraction and <sup>13</sup> C solid-state NMR studies of the solvate of tetra(C-undecyl)calix[4]resorcinarene with dimethylacetamide Electronic supplementary information (ESI) available: Positional parameters, bond lengths and angles, and atomic displacement parameters of CAV11/DMA, and crystallographic data in .cif format (CCDC reference number 170110). See <a href="http://www.rsc.org/suppdata/cp/b1/b107416b/">http://www.rsc.org/suppdata/cp/b1/b107416b/</a> . <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 2387-2391.	1.3	18