

# 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	Quadrannulene: A Nonclassical Fullerene Fragment. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 399-402.	7.2	102
2	Structure of YAG Crystals Doped/Substituted with Erbium and Ytterbium. <i>Inorganic Chemistry</i> , 2004, 43, 7656-7664.	1.9	87
3	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
4	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
5	Inorganic-organic hybrid salts of diaminobenzenes and related cations. <i>CrystEngComm</i> , 2008, 10, 577.	1.3	50
6	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
7	Reactions of dizincocene with sterically demanding bis(iminodi(phenyl)phosphorano)methanes. <i>Chemical Communications</i> , 2010, 46, 7757.	2.2	40
8	Recognition and Extraction of Sodium Chloride by a Squaramide-Based Ion Pair Receptor. <i>Inorganic Chemistry</i> , 2018, 57, 12941-12952.	1.9	29
9	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
10	Complete Series of Alkali-Metal M(BH <sub>3</sub> <sup>3</sup> NH <sub>2</sub> <sup>2</sup> BH <sub>2</sub> <sup>2</sup> NH <sub>2</sub> <sup>2</sup> BH <sub>3</sub> <sup>3</sup> ) Hydrogen-Storage Salts Accessed via Metathesis in Organic Solvents. <i>Inorganic Chemistry</i> , 2016, 55, 37-45.	1.9	24
11	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
12	The role of steric hindrance in the intramolecular oxidative aromatic coupling of pyrrolo[3,2-b]pyrroles. <i>Chemical Communications</i> , 2016, 52, 11539-11542.	2.2	23
13	Squaramide based ion pair receptors possessing ferrocene as a signaling unit. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 972-983.	3.0	22
14	Structures of hybrid inorganic-organic salts with benzidine dication derivatives. <i>CrystEngComm</i> , 2008, 10, 525.	1.3	21
15	On two alizarin polymorphs. <i>CrystEngComm</i> , 2012, 14, 3667.	1.3	21
16	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
17	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
18	Nickel macrocycles with complex hydrides—new avenues for hydrogen storage research. <i>Energy and Environmental Science</i> , 2010, 3, 1973.	15.6	19

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19	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/supplata/p1/b1074166/">http://www.rsc.org/supplata/p1/b1074166/</a> . <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 2387-2391.	1.3	18
20	On the aromatic stabilization of benzenoid hydrocarbons. <i>Chemical Communications</i> , 2012, 48, 10129.	2.2	18
21	Pyrrolidine and Its Hydrates in the Solid State. <i>Crystal Growth and Design</i> , 2015, 15, 4804-4812.	1.4	18
22	Towards Clathrates: Frozen States of Hydration of <i>tert</i> -Butylamine. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10138-10144.	7.2	16
23	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
24	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
25	Reconnaissance of reactivity of an Ag( <sup>scp</sup> )SO <sub>4</sub> one-electron oxidizer towards naphthalene derivatives. <i>New Journal of Chemistry</i> , 2017, 41, 10742-10749.	1.4	15
26	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
27	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
28	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
29	Cholesterol-based photo-switchable mesogenic dimers. Strongly bent molecules <i>versus</i> an intercalated structure. <i>CrystEngComm</i> , 2019, 21, 2779-2789.	1.3	13
30	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
31	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
32	Polymorphism of Crystalline 4-Amino-2-Nitroacetanilide. <i>Crystal Growth and Design</i> , 2011, 11, 2074-2083.	1.4	10
33	Thermal and chemical decomposition of di(pyrazine)silver(ii) peroxydisulfate and unusual crystal structure of a Ag(i) by-product. <i>Dalton Transactions</i> , 2012, 41, 396-402.	1.6	10
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	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-10(2)- <i>H</i> ][4N]nickel(II) Polyhedron, 2003, 22, 3299-3305.	1.0	9
36	Synthesis of Bulk Ga <sub>1-x</sub> Mn <sub>x</sub> N: A Prospective Spintronic Material. <i>Chemistry of Materials</i> , 2003, 15, 4533-4535.	3.2	9

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37	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
38	On polymorphism and planarity of benzidine dihydrochloride. <i>CrystEngComm</i> , 2006, 8, 780-783.	1.3	9
39	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
40	First experimental charge density study using a Bruker CMOS-type PHOTON 100 detector: the case of ammonium tetraoxalate dihydrate. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2014, 70, 847-855.	0.5	9
41	Microwave-assisted preparation, structural characterization, lipophilicity, and anti-cancer assay of some hydroxycoumarin derivatives. <i>Monatshefte für Chemie</i> , 2015, 146, 89-98.	0.9	9
42	Slavikite--Revision of chemical composition and crystal structure. <i>American Mineralogist</i> , 2010, 95, 11-18.	0.9	8
43	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
44	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
45	Hydrates of Cyclobutylamine: Modifications of Gas Clathrate Types sl and sH. <i>Crystal Growth and Design</i> , 2016, 16, 2717-2725.	1.4	7
46	Stacks of DMANH <sup>+</sup> scaffolding for ribbon shaped Cl <sup>-</sup> bridged oxonium ions. <i>CrystEngComm</i> , 2007, 9, 152-157.	1.3	6
47	Structural consequences of benzidine dihydrochloride substitution in the solid state. <i>CrystEngComm</i> , 2007, 9, 1029.	1.3	6
48	The effect of rotating substituent in 2,2,5,7,8-pentamethylchroman derivatives. X-ray, <sup>13</sup> C CP MAS analysis and DFT analysis. <i>Journal of Molecular Structure</i> , 2014, 1076, 512-517.	1.8	6
49	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
50	An X-ray and Natural Bond Orbital (NBO) structural study of $\alpha$ -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
51	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
52	Preparation of Ga <sub>1-x</sub> Mn <sub>x</sub> N 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
53	Solid state structure of new 5-[2-(N,N-diethylamino)ethoxy]-4,7-dimethylcoumarins by X-ray and <sup>13</sup> C CP/MAS NMR. <i>Journal of Molecular Structure</i> , 2015, 1088, 123-128.	1.8	5
54	Role of Lewis bases in reactions of aluminum and gallium trialkyls with 2-mercaptobenzoxazole. <i>Journal of Organometallic Chemistry</i> , 2015, 776, 1-6.	0.8	5

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55	Aminophenolates of aluminium, gallium and zinc: Synthesis, characterization and polymerization activity. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3748.	1.7	5
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	Solid state structure by X-ray and <sup>13</sup> C CP/MAS NMR of new 5-[2-(N,N-dimethylamino)ethoxy]-4,7-dimethylcoumarins. <i>Journal of Molecular Structure</i> , 2016, 1112, 25-32.	1.8	4
58	Unusual Anion <sup>2-</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
59	Synthesis and structure evaluation of new complex butylarylpiperazin-1-yl derivatives. <i>Medicinal Chemistry Research</i> , 2014, 23, 1519-1536.	1.1	3
60	Aluminum, gallium and indium thiobenzoates: synthesis, characterization and crystal structures. <i>Journal of Sulfur Chemistry</i> , 2015, 36, 326-339.	1.0	3
61	Polymorphism and structural diversities of LiClO <sub>4</sub> · <sup>2-</sup> alanine ionic co-crystals. <i>CrystEngComm</i> , 2020, 22, 4427-4437.	1.3	3
62	Growth of bulk Ga(Mn,Si)N single crystals. <i>Journal of Crystal Growth</i> , 2006, 291, 12-17.	0.7	2
63	The magnetic properties of potassium holmium double tungstate. <i>Low Temperature Physics</i> , 2011, 37, 678-683.	0.2	2
64	Aluminum hippurate and diglycolate as multinuclear metal carboxylates. <i>Journal of Coordination Chemistry</i> , 2015, 68, 1189-1198.	0.8	2
65	Synthesis, spectroscopic characterization, X-ray study and in vitro cytotoxicity of 5-hydroxycoumarin derivatives and their copper complexes. <i>Journal of Molecular Structure</i> , 2017, 1145, 292-299.	1.8	2
66	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
67	Kosmotropic Behavior of 3-Pyrroline during Crystalline Hydrates Formation. <i>Crystal Growth and Design</i> , 2019, 19, 4721-4730.	1.4	2
68	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
69	Reactions of keto sulfones with tert-butyl aluminum compounds: Reinvestigation of tert-butyl aluminum synthesis. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5961.	1.7	2
70	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
71	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
72	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

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73	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
74	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
75	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
76	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
77	Frontispiece: Towards Clathrates: Frozen States of Hydration of <i>tert</i> -Butylamine. <i>Angewandte Chemie - International Edition</i> , 2015, 54, .	7.2	0
78	Reactions of trialkyl aluminum and trialkyl gallium with the N- <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
79	Crystal structure of 4,4'-bipiperidinium dichloride 0.12 hydrate, C <sub>10</sub> H <sub>22</sub> N <sub>2</sub> Cl <sub>2</sub> · 0.12 H <sub>2</sub> O. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2016, 231, 693-694.	0.1	0
80	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
81	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
82	Bowl-shaped Pentagon and Heptagon Embedded Nanographene Containing a Central Pyrrolo[3,2- <i>b</i> ]pyrrole Core (Angew. Chem. 27/2021). <i>Angewandte Chemie</i> , 2021, 133, 15240-15240.	1.6	0
83	Hydrogenation of <sup>1</sup> -Keto Sulfones to <sup>1</sup> -Hydroxy Sulfones with Alkyl Aluminum Compounds: Structure of Intermediate Hydroalumination Products. <i>Molecules</i> , 2022, 27, 2357.	1.7	0