Damian Trzybinski

List of Publications by Year in Descending Order

100 papers	515 citations	11 h-index	16 g-index
105 ext. papers	658 ext. citations	3.3 avg, IF	4.09 L-index

#	Paper	IF	Citations
100	X-ray wavefunction refinement and comprehensive structural studies on bromo-substituted analogues of 2-deoxy-d-glucose in solid state and solution.. *RSC Advances*, **2022**, 12, 8345-8360	3.7	
99	Chemistry of glycol nucleic acid (GNA): Synthesis, photophysical characterization and insight into the biological activity of phenanthrenyl GNA constituents.. *Bioorganic Chemistry*, **2022**, 125, 105847	5.1	0
98	Structural studies of halide hexaalkylguanidinium salts. *Journal of Molecular Structure*, **2022**, 1265, 133338	3.4	
97	Coordination Polymers of the Macrocyclic Nickel(II) and Copper(II) Complexes with Isomeric Benzenedicarboxylates: The Case of Spatial Complementarity between the Bis-Macrocyclic Complexes and o-Phthalate. *Crystal Growth and Design*, **2021**, 21, 2355-2370	3.5	3
96	A Mild One-Pot Reduction of Phosphine(V) Oxides Affording Phosphines(III) and Their Metal Catalysts. *Organometallics*, **2021**, 40, 693-701	3.8	4
95	Experimental and Computational Studies on Structure and Energetic Properties of Halogen Derivatives of 2-Deoxy-D-Glucose. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
94	Stereo-Defined Ferrocenyl Glycol Nucleic Acid (Fc-GNA) Constituents: Synthesis, Electrochemistry, Mechanism of Formation, and Anticancer Activity Studies. *European Journal of Inorganic Chemistry*, **2021**, 2021, 2171-2181	2.3	1
93	Design and in Vitro Characterization of Tricyclic Benzodiazepine Derivatives as Potent and Selective Antileukemic Agents. *Chemistry and Biodiversity*, **2021**, 18, e2000733	2.5	2
92	Theoretically derived thermodynamic properties can be improved by the refinement of low-frequency modes against X-ray diffraction data. *Chemical Communications*, **2021**, 57, 9370-9373	5.8	0
91	Diketopiperazine-Based, Flexible Tadalafil Analogues: Synthesis, Crystal Structures and Biological Activity Profile. *Molecules*, **2021**, 26,	4.8	4
90	Activated Hoveyda-Grubbs Olefin Metathesis Catalysts Derived from a Large Scale Produced Pharmaceutical Intermediate Sildenafil Aldehyde. *Advanced Synthesis and Catalysis*, **2021**, 363, 4590	5.6	3
89	Heterobimetallic Coinage Metal-Ruthenium Complexes Supported by Anionic N-Heterocyclic Carbenes. *Chemistry - A European Journal*, **2021**, 27, 15217-15225	4.8	1
88	Physico-chemical study of new supramolecular-architectured hybrid organic-inorganic sulfates incorporating diammoniumdiphenylsulfone cations.. *RSC Advances*, **2021**, 11, 26368-26378	3.7	0
87	A competition between hydrophobic and electrostatic interactions in protein-ligand systems. Binding of heterogeneously halogenated benzotriazoles by the catalytic subunit of human protein kinase CK2. *IUBMB Life*, **2020**, 72, 1211-1219	4.7	4
86	In a Quest for Selectivity Paired with Activity: A Ruthenium Olefin Metathesis Catalyst Bearing an Unsymmetrical Phenanthrene-Based N-Heterocyclic Carbene. *Chemistry - A European Journal*, **2020**, 26, 3782-3794	4.8	7
85	Unsymmetrically-Substituted 5,12-dihydrodibenzo[,][1,4]diazocine-6,11-dione Scaffold-A Useful Tool for Bioactive Molecules Design. *Molecules*, **2020**, 25,	4.8	3
84	Specialized Olefin Metathesis Catalysts Featuring Unsymmetrical N-Heterocyclic Carbene Ligands Bearing N-(Fluoren-9-yl) Arm. *Catalysts*, **2020**, 10, 599	4	2

83	Unsymmetrically Substituted Dibenzo[][1,5]-diazocine-6,12(5,11)dione-A Convenient Scaffold for Bioactive Molecule Design. *Molecules*, **2020**, 25,	4.8	5
82	Research into the oxidation of abietic acid-derived enone with atmospheric oxygen. *Chirality*, **2020**, 32, 437-445	2.1	
81	Redox-Active Glycol Nucleic Acid (GNA) Components: Synthesis and Properties of the Ferrocenyl-GNA Nucleoside, Phosphoramidite, and Semicanonical Dinucleoside Phosphate. *Organometallics*, **2020**, 39, 813-823	3.8	10
80	Charge density view on bicalutamide molecular interactions in the monoclinic polymorph and androgen receptor binding pocket. *IUCrJ*, **2020**, 7, 71-82	4.7	6
79	Charge density analysis of abiraterone acetate. *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials*, **2020**, 76, 1018-1026	1.8	4
78	New series of hybrid organic□inorganic polyoxoselenomolybdate compounds: Crystal structure, Hirshfeld Surface analysis. *Inorganica Chimica Acta*, **2020**, 501, 119271	2.7	2
77	Organometallic ciprofloxacin conjugates with dual action: synthesis, characterization, and antimicrobial and cytotoxicity studies. *Dalton Transactions*, **2020**, 49, 1403-1415	4.3	14
76	Influence of halogen size on the supramolecular and energy landscape of the THF solvates of the halogen derivatives of dianthranilide. *CrystEngComm*, **2020**, 22, 5389-5399	3.3	3
75	Synthesis, crystal structure and biological activity of novel analogues of tricyclic drugs. *Bioorganic and Medicinal Chemistry Letters*, **2020**, 30, 127493	2.9	5
74	Luminescent fac-[Re(CO)3(phen)] carboxylato complexes with non-steroidal anti-inflammatory drugs: synthesis and mechanistic insights into the in vitro anticancer activity of fac-[Re(CO)3(phen)(aspirin)]. *New Journal of Chemistry*, **2019**, 43, 573-583	3.6	24
73	Synthesis, Structural Characterization, Photophysical Properties, and Antibacterial Assessment of Silver(I)-Thione Coordination Polymers Based on a Competition between Nitrate Anion and Coanions CF3SO3□ClO4□BF4□PF6□and SbF6□*Crystal Growth and Design*, **2019**, 19, 4934-4948	3.5	10
72	NHC copper complexes functionalized with sulfoxide and sulfone moieties. *Applied Organometallic Chemistry*, **2019**, 33, e4983	3.1	1
71	Anthracene-thymine luminophores: Synthesis, photophysical properties, and imaging in living HeLa cells. *Dyes and Pigments*, **2019**, 170, 107554	4.6	7
70	Gold-Induced Desulfurization in a Bis(ferrocenyl) Alkane Dithiol. *Organometallics*, **2019**, 38, 2227-2232	3.8	
69	The influence of metal-complexing macrocycle size on intramolecular movement in rotaxanes. *Dalton Transactions*, **2019**, 48, 6546-6557	4.3	2
68	Polymorphism and resulting luminescence properties of 1-acetylpyrene. *CrystEngComm*, **2019**, 21, 5845-5852	3.3	4
67	Luminescent pyrenyl-GNA nucleosides: synthesis, photophysics and confocal microscopy studies in cancer HeLa cells. *Photochemical and Photobiological Sciences*, **2019**, 18, 2449-2460	4.2	6
66	Crystal structure and energetic features of the cocrystal of carbamazepine with 3,5-dinitrobenzoic acid. *Acta Crystallographica Section C, Structural Chemistry*, **2019**, 75, 1150-1156	0.8	2

65	Crystallographic and computational studies of a new organoarsenate compound: o-anisidinium dihydroarsenate. *Acta Crystallographica Section C, Structural Chemistry*, **2019**, 75, 128-134	0.8	
64	Unprecedented reaction course of 1-phenyl-2H,6H-imidazo[1,5-c]quinazoline-3,5-dione with 3-M excess of ethylene oxide. *Structural Chemistry*, **2019**, 30, 1079-1094	1.8	
63	Novel (S)-1,3,4,12a-tetrahydropyrazino[2,1-c][1,4]benzodiazepine-6,12(2H,11H)-dione derivatives: Selective inhibition of MV-4-11 biphenotypic B myelomonocytic leukemia cellsTgrowth is accompanied by reactive oxygen species overproduction and apoptosis. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 618-625	2.9	12
62	Azoliniums, Adducts, NHCs and Azomethine Ylides: Divergence in Wanzlick Equilibrium and Olefin Metathesis Catalyst Formation. *Chemistry - A European Journal*, **2018**, 24, 4785-4789	4.8	13
61	Ferrocenyl GNA Nucleosides: A Bridge between Organic and Organometallic Xeno-nucleic Acids. *ChemPlusChem*, **2018**, 83, 77-86	2.8	11
60	New diols with imidazoquinazoline ring. *Journal of Molecular Structure*, **2018**, 1153, 230-238	3.4	4
59	Crystal structure, interaction energies and experimental electron density of the popular drug ketoprophen. *IUCrJ*, **2018**, 5, 841-853	4.7	9
58	Magnetostructural Investigation of Orthogonal 1-Aryl-3-Phenyl-1,4-Dihydrobenzo[e][1,2,4]triazin-4-yl Derivatives. *Chemistry - A European Journal*, **2018**, 24, 1317-1329	4.8	18
57	Well-Defined Chiral Copper NHC Complex in the Asymmetric Conjugated Borylation and One-Pot Metathesis-Asymmetric Borylation Reactions. *Chemistry - A European Journal*, **2018**, 24, 891-897	4.8	6
56	[3]rotaxanes composed of two dibenzo-24-crown-8 ether wheels and an azamacrocyclic complex. *Dalton Transactions*, **2018**, 47, 15845-15856	4.3	0
55	N-(4-Bromobenzyl)-2-(5,6-dimethyl-1H-benzo[d]imid-azol-2-yl)benzeneamine. *MolBank*, **2018**, 2018, M979	0.5	1
54	The new heteropolyoxometalate compound (CHN)[HAsMoO(HO)]BHO: crystal structure and Hirshfeld surface analysis. *Acta Crystallographica Section C, Structural Chemistry*, **2018**, 74, 1088-1093	0.8	3
53	1,1TBis(thymine)ferrocene Nucleoside: Synthesis and Study of Its Stereoselective Formation. *ChemPlusChem*, **2017**, 82, 859-866	2.8	6
52	Conformational studies of N-(d-glucofuranurono-6,3-lactone)- and N-(methyl d-glucopyranuronate)-p-nitroanilines. *Carbohydrate Research*, **2017**, 446-447, 85-92	2.9	2
51	Synthesis, Structural Characterization and Catalytic Activities of Sulfur-Functionalized NHCCopper(I) Complexes. *European Journal of Organic Chemistry*, **2017**, 2017, 4074-4084	3.2	11
50	Pyrene-nucleobase conjugates: synthesis, oligonucleotide binding and confocal bioimaging studies. *Beilstein Journal of Organic Chemistry*, **2017**, 13, 2521-2534	2.5	5
49	Design, Synthesis, and Antibacterial Assessment of Silver(I)-Based Coordination Polymers with Variable Counterions and Unprecedented Structures by the Tuning Spacer Length and Binding Mode of Flexible Bis(imidazole-2-thiones) Ligands. *Crystal Growth and Design*, **2017**, 17, 5249-5262	3.5	17
48	Bis-diorganotin(IV) complexes with binucleating hydrazones derived from a methylene-bis-aromatic aldehyde as linker: Synthesis, spectral and structural characterization, antibacterial activity and DNA cleavage studies. *Journal of Organometallic Chemistry*, **2017**, 853, 184-192	2.3	9

47	Synthesis, spectroscopic characterization and DFT calculations of monohydroxyalkylated derivatives of 1-phenyl-2H,6H-imidazo[1,5-c]quinazoline-3,5-dione. *Journal of Molecular Structure*, **2017**, 1127, 708-715	3.4	4
46	(S)-2-(4-Chlorobenzoyl)-1,2,3,4-tetrahydrobenzo[e]pyrazino[1,2-a][1,4]diazepine-6,12(11H,12aH)-dione: Synthesis and Crystallographic Studies. *MolBank*, **2017**, 2017, M964	0.5	7
45	Mitochondria Targeting with Luminescent Rhenium(I) Complexes. *Molecules*, **2017**, 22,	4.8	18
44	Cymantrenyl-Nucleobases: Synthesis, Anticancer, Antitrypanosomal and Antimicrobial Activity Studies. *Molecules*, **2017**, 22,	4.8	6
43	Structure, formation, thermodynamics and interactions in 9-carboxy-10-methylacridinium-based molecular systems. *New Journal of Chemistry*, **2016**, 40, 7359-7372	3.6	1
42	Solid-State Analysis of Monohydrated Halide Salts of Paracetamol. *Crystal Growth and Design*, **2016**, 16, 1156-1161	3.5	4
41	Intermolecular interactions in multi-component crystals of acridinone/thioacridinone derivatives: Structural and energetics investigations. *Journal of Molecular Structure*, **2016**, 1125, 36-46	3.4	3
40	Influence of the oxime and anomeric configurations on the stability of 2-deoxy-2-hydroxyimino-d-hexopyranosides. *Journal of Molecular Structure*, **2016**, 1125, 558-569	3.4	2
39	Influence of the halogen substituent on the formation of halogen and hydrogen bonding in co-crystals formed from acridine and benzoic acids. *CrystEngComm*, **2015**, 17, 7199-7212	3.3	15
38	Synthesis of magnetic doped kesterite single crystals. *Crystal Research and Technology*, **2015**, 50, 690-694	1.3	11
37	Synthesis and structural characterization of a cocrystal salt containing acriflavine and 3,5-dinitrobenzoic acid. *Tetrahedron Letters*, **2014**, 55, 2253-2255	2	11
36	2,3,4,6-tetra-O-Acetyl-D-Gluconic Acid: Crystal Structure and Application in the Synthesis of N-(D-gluconyl) Derivatives of D-Glucosamine. *Journal of Carbohydrate Chemistry*, **2014**, 33, 33-47	1.7	3
35	Structural insight into the interactions between a cationic dye and an anionic surfactant in crystals of 9-aminoacridinium dodecyl sulfate. *Journal of Molecular Structure*, **2014**, 1076, 490-495	3.4	2
34	Crystal structure of 2-bromo-benzoic acid at 120 K: a redetermination. *Acta Crystallographica Section E: Structure Reports Online*, **2014**, 70, o1139-40		2
33	Networks of intermolecular interactions involving nitro groups in the crystals of three polymorphs of 9-aminoacridinium 2,4-dinitrobenzoate ? 2,4-dinitrobenzoic acid. *Journal of Molecular Structure*, **2013**, 1049, 90-98	3.4	41
32	Single-crystal X-ray diffraction analysis of designer drugs: hydrochlorides of metaphedrone and pentedrone. *Forensic Science International*, **2013**, 232, e28-32	2.6	17
31	Solvent-bridged frameworks of hydrogen bonds in crystals of 9-aminoacridinium halides. *CrystEngComm*, **2013**, 15, 6808	3.3	18
30	Synthesis, structure, and biological activity of novel heterocyclic sulfonyl-carboximidamides. *Monatshefte F□ Chemie*, **2013**, 144, 647-658	1.4	7

29	Co-crystals and salts formed from 4-fluorobenzoic acid and heteroaromatic nitrogenous bases. *Tetrahedron Letters*, **2013**, 54, 1463-1466	2	7
28	2,6-Dimethyl-phenyl acridine-9-carboxyl-ate. *Acta Crystallographica Section E: Structure Reports Online*, **2013**, 69, o166		2
27	1,5-Bis(piperidin-1-yl)-9,10-anthraquin-one. *Acta Crystallographica Section E: Structure Reports Online*, **2013**, 69, o110		2
26	Phenyl acridine-9-carboxyl-ate. *Acta Crystallographica Section E: Structure Reports Online*, **2013**, 69, o305		
25	1-(Piperidin-1-yl)-9,10-anthraquinone. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o2879		5
24	9-(3-Fluoro-phen-oxy-carbon-yl)-10-methyl-acridinium trifluoro-methane-sulfonate monohydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o625-6		
23	9-(2-Bromo-phen-oxy-carbon-yl)-10-methyl-acridinium trifluoro-methane-sulfonate. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o1722-3		
22	The influence of benzoate anion substituents on the crystal packing and hydrogen-bonding network of 9-aminoacridinium salts. *Tetrahedron*, **2011**, 67, 2839-2843	2.4	5
21	Anion-controlled networks of intermolecular interactions in the crystal structure of 9-aminoacridinium salts. *Tetrahedron*, **2011**, 67, 1479-1484	2.4	7
20	1-Dimethyl-amino-9,10-anthraquinone. *Acta Crystallographica Section E: Structure Reports Online*, **2011**, 67, o723		3
19	9-(2,5-Dimethyl-phen-oxy-carbon-yl)-10-methyl-acridinium trifluoro-methane-sulfonate. *Acta Crystallographica Section E: Structure Reports Online*, **2011**, 67, o3205-6		1
18	9-Benzyl-10-methyl-acridinium trifluoro-methane-sulfonate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o1548-9		1
17	10-Methyl-9-[2-(propan-2-yl)phenoxy-carbonyl]-acridinium trifluoro-methane-sulfonate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o2773-4		3
16	9-(4-Chloro-phen-oxy-carbon-yl)-10-methyl-acridinium trifluoro-methane-sulfonate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o2771-2		1
15	9-Phenyl-10H-acridinium trifluoro-methane-sulfonate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o2845-6		
14	9-(4-Fluoro-phen-oxy-carbon-yl)-10-methyl-acridinium trifluoro-methane-sulfonate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o2769-70		1
13	9-(2,6-Dimethyl-phen-oxy-carbon-yl)-10-methyl-acridinium trifluoro-methane-sulfonate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o2929-30		1
12	Crystal Structures of Methyl (Methyl 3-azido-2,3-dideoxy-α-L-lyxo- and -β-D-arabino-hexopyranosid)uronates. *Journal of Carbohydrate Chemistry*, **2010**, 29, 299-314	1.7	2

List of Publications

11	9-(2-Ethyl-phenoxy-carbon-yl)-10-methyl-acridinium trifluoro-methane-sulfonate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o826-7		6
10	9-(4-Bromo-phenoxy-carbon-yl)-10-methyl-acridinium trifluoro-methane-sulfonate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o1313-4		5
9	2-Meth-oxy-9-phenoxy-acridine. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o828-9		2
8	10-Methyl-9-phenoxy-carbonyl-acridinium trifluoro-methane-sulfonate monohydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o906-7		4
7	9-(4-Methyl-phenoxy-carbon-yl)-10-methyl-acridinium trifluoro-methane-sulfonate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o1311-2		2
6	9-(Methyl-sulfan-yl)acridinium trifluoro-methane-sulfonate. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o566-7		2
5	9-(Biphenyl-4-yl-oxycarbon-yl)-10-methyl-acridinium trifluoro-methane-sulfonate. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o770-1		4
4	9-[(2,6-Dimethoxy-phen-oxy)carbon-yl]-10-methyl-acridinium trifluoro-methane-sulfonate. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o789-90		2
3	1,8-Bis(tos-yloxy)-9,10-anthraquinone. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 66, o33-4		3
2	9-Chloro-2,4-dimethoxy-acridinium trifluoro-methane-sulfonate. *Acta Crystallographica Section E: Structure Reports Online*, **2009**, 65, o768-9		2
1	Involvement of various anions in tuning the structure of silver(I) coordination polymers based on the S- donor ligands: Syntheses, crystal structure and uptake properties. *CrystEngComm*,	3.3	1