Dariusz Maciej Pisklak

List of Publications by Year in Descending Order

45 papers	446 citations	13 h-index	19 g-index
46 ext. papers	516 ext. citations	3.8 avg, IF	3.98 L-index

#	Paper	IF	Citations
45	A Review on Combination of Ab Initio Molecular Dynamics and NMR Parameters Calculations. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	5
44	Combination of solid-state NMR, molecular mechanics and DFT calculations for the molecular structure determination of methyl glycoside benzoates. *Structural Chemistry*, **2021**, 32, 297-307	1.8	
43	Can We Predict the Isosymmetric Phase Transition? Application of DFT Calculations to Study the Pressure Induced Transformation of Chlorothiazide. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
42	Periodic DFT Calculations-Review of Applications in the Pharmaceutical Sciences. *Pharmaceutics*, **2020**, 12,	6.4	21
41	Can We Predict the Pressure Induced Phase Transition of Urea? Application of Quantum Molecular Dynamics. *Molecules*, **2020**, 25,	4.8	2
40	Pharmaceutical Hydrates Analysis-Overview of Methods and Recent Advances. *Pharmaceutics*, **2020**, 12,	6.4	15
39	Application of Various Molecular Modelling Methods in the Study of Estrogens and Xenoestrogens. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
38	A new polymorph of 17-β-estradiol and the application of different analytical techniques (ssNMR, PXRD, DSC, and FTIR) for its study. *Journal of Molecular Structure*, **2019**, 1183, 274-280	3.4	3
37	How does the NMR thermometer work? Application of combined quantum molecular dynamics and GIPAW calculations into the study of lead nitrate. *Journal of Computational Chemistry*, **2019**, 40, 811-819	3.5	1
36	Application of combined solid-state NMR and DFT calculations for the study of piracetam polymorphism. *Solid State Nuclear Magnetic Resonance*, **2019**, 97, 17-24	3.1	8
35	Matrix effect screening for cloud-point extraction combined with liquid chromatography coupled to mass spectrometry: Bioanalysis of pharmaceuticals. *Journal of Chromatography A*, **2019**, 1591, 44-54	4.5	9
34	Does the choice of the crystal structure influence the results of the periodic DFT calculations? A case of glycine alpha polymorph GIPAW NMR parameters computations. *Journal of Computational Chemistry*, **2018**, 39, 853-861	3.5	11
33	Can we predict the structure and stability of molecular crystals under increased pressure? First-principles study of glycine phase transitions. *Journal of Computational Chemistry*, **2018**, 39, 1300-1306	3.5	14
32	Structural studies of calcium channel blockers used in the treatment of hypertension - H and C NMR characteristics of nifedipine analogues. *Magnetic Resonance in Chemistry*, **2018**, 57, 149	2.1	
31	Comment on "Trimorphs of a pharmaceutical cocrystal involving two active pharmaceutical ingredients: potential relevance to combination drugs" by S. Aitipamula, P. S. Chow and R. B. H. Tan, CrystEngComm, 2009, 11, 1823. *CrystEngComm*, **2018**, 20, 370-372	3.3	2
30	Comparison of the analytical methods (solid state NMR, FT-IR, PXRD) in the analysis of the solid drug forms with low concentration of an active ingredient - 17-β-estradiol case. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 149, 160-165	3.5	2
29	Selenized polysaccharides - Biosynthesis and structural analysis. *Carbohydrate Polymers*, **2018**, 198, 407-417	4.073	33

28	The potential for the indirect crystal structure verification of methyl glycosides based on acetates parent structures: GIPAW and solid-state NMR approaches. *Chemical Physics Letters*, **2017**, 686, 7-11	2.5	5
27	Spectroscopic and structural studies of the diosmin monohydrate and anhydrous diosmin. *International Journal of Pharmaceutics*, **2017**, 529, 193-199	6.5	11
26	2-Methylthio-imidazolins: a rare case of different tautomeric forms in solid state and in solution. *Structural Chemistry*, **2017**, 28, 757-772	1.8	3
25	C solid-state NMR analysis of the most common pharmaceutical excipients used in solid drug formulations, Part I: Chemical shifts assignment. *Journal of Pharmaceutical and Biomedical Analysis*, **2016**, 122, 81-9	3.5	25
24	C solid-state NMR analysis of the most common pharmaceutical excipients used in solid drug formulations Part II: CP kinetics and relaxation analysis. *Journal of Pharmaceutical and Biomedical Analysis*, **2016**, 122, 29-34	3.5	10
23	Analysis of Water in the Chicken Eggshell Using the 1H Magic Angle Spinning Nuclear Magnetic Resonance Spectroscopy. *Brazilian Journal of Poultry Science*, **2016**, 18, 27-32	1.3	3
22	Effects of structural differences on the NMR chemical shifts in cinnamic acid derivatives: Comparison of GIAO and GIPAW calculations. *Chemical Physics Letters*, **2016**, 653, 35-41	2.5	16
21	Application of C NMR cross-polarization inversion recovery experiments for the analysis of solid dosage forms. *International Journal of Pharmaceutics*, **2016**, 513, 538-542	6.5	4
20	In Vitro Dissolution of Calcium Carbonate from the Chicken Eggshell: A Study of Calcium Bioavailability. *International Journal of Food Properties*, **2015**, 18, 2791-2799	3	11
19	Solid-state NMR as an effective method of polymorphic analysis: solid dosage forms of clopidogrel hydrogensulfate. *Journal of Pharmaceutical Sciences*, **2015**, 104, 106-13	3.9	13
18	Crystal structures of tiotropium bromide and its monohydrate in view of combined solid-state nuclear magnetic resonance and gauge-including projector-augmented wave studies. *Journal of Pharmaceutical Sciences*, **2015**, 104, 2285-92	3.9	14
17	Solid-state NMR studies of theophylline co-crystals with dicarboxylic acids. *Journal of Pharmaceutical and Biomedical Analysis*, **2014**, 100, 322-328	3.5	22
16	Solid-state structures of 2-(4-hydroxyphenyl)-substituted phenalene-1,3-dione and indan-1,3-dione. *Journal of Structural Chemistry*, **2014**, 55, 446-455	0.9	
15	C cross-polarization magic-angle spinning nuclear magnetic resonance analysis of the solid drug forms with low concentration of an active ingredient-propranolol case. *Journal of Pharmaceutical and Biomedical Analysis*, **2014**, 93, 68-72	3.5	11
14	Reliable evaluation of molecular structure of methyl 3-O-nitro-d-glucopyranoside and its intermediates by means of solid-state NMR spectroscopy and DFT optimization in the absence of appropriate crystallographic data. *Tetrahedron*, **2014**, 70, 1910-1917	2.4	3
13	Solid-state structure of methyl 2,4,6-tri-O-acetyl-3-O-(2,3,4,6-tetra-O-acetyl-d-glucopyranosyl)-d-galactopyranoside and methyl 3,4,6-tri-O-acetyl-2-O-(2,3,4,6-tetra-O-acetyl-d-glucopyranosyl)-d-galactopyranoside. *Journal of*	3.4	3
12	Single-crystal and powder X-ray diffraction, 13C CP/MAS NMR, and DFT-GIAO calculations of methyl 3,4,6-tri-O-acetyl-2-O-(2,3,4,6-tetra-O-acetyl-d-galactopyranosyl)-d-glucopyranoside and methyl 2,4,6-tri-O-acetyl-3-O-(2,3,4,6-tetra-O-acetyl-d-galactopyranosyl)-d-glucopyranoside. *Journal of Molecular Structure*, **2013**, 1036, 407-413	3.4	2
11	Crystal and molecular structure of nitrophenyl 2,3,4-tri-O-acetyl-d-xylopyranosides. *Journal of Molecular Structure*, **2012**, 1007, 227-234	3.4	1

10	(1)H and (13)C magic-angle spinning nuclear magnetic resonance studies of the chicken eggshell. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 12254-9	5.7	8
9	Application of 13C CPMAS NMR for qualitative and quantitative characterization of carvedilol and its commercial formulations. *Journal of Pharmaceutical Sciences*, **2012**, 101, 1763-72	3.9	18
8	1H and 13C NMR characteristics of β-blockers. *Magnetic Resonance in Chemistry*, **2011**, 49, 284-90	2.1	9
7	1H, 13C and 31P MAS NMR studies of lyophilized brain tumors. *Solid State Nuclear Magnetic Resonance*, **2010**, 37, 21-7	3.1	3
6	(13)C, (15)N CPMAS NMR and GIAO DFT calculations of stereoisomeric oxindole alkaloids from Cat's Claw (Uncaria tomentosa). *Solid State Nuclear Magnetic Resonance*, **2008**, 34, 202-9	3.1	17
5	Structural studies of pyrido[1,2-c]pyrimidine derivatives by 13C CPMAS NMR, X-ray diffraction and GIAO/DFT calculations. *Journal of Molecular Structure*, **2008**, 892, 325-330	3.4	2
4	1H, 13C, 15N NMR analysis of sildenafil base and citrate (Viagra) in solution, solid state and pharmaceutical dosage forms. *Journal of Pharmaceutical and Biomedical Analysis*, **2005**, 38, 865-70	3.5	70
3	1H, 13C NMR studies and GIAO/DFT calculations of substituted N-(4-aryl-1-piperazinylbutyl) derivatives, new analogues of buspirone. *Journal of Molecular Structure*, **2004**, 698, 93-102	3.4	6
2	Solid state structure of coumarin anticoagulants: warfarin and sintrom. 13C CPMAS NMR and GIAO DFT calculations. *Journal of Molecular Structure*, **2003**, 649, 169-176	3.4	21
1	Structural studies of 4-aryloctahydro-pyrido[1,2-c]pyrimidine derivatives. *Journal of Molecular Structure*, **2002**, 605, 85-92	3.4	4