Marcin Palusiak

List of Publications by Year
in descending order

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95	2,827	172207	182168
papers	citations	29 h-index	51 g-index

99	99	99	2457
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A novel hydrogen-bondingN-oxideâ€“sulfonamideâ€“nitro Nâ€”H...O synthon determining the architecture of benzenesulfonamide cocrystals. Acta Crystallographica Section C, Structural Chemistry, 2022, 78, 7-13.	0.2	1
2	Cytotoxicity of pianoâ€stool ruthenium cyclopentadienyl complexes bearing different imidato ligands. Applied Organometallic Chemistry, 2022, 36, .	1.7	6
3	Resonance-Assisted Hydrogen Bondâ€”Revisiting the Original Concept in the Context of Its Criticism in the Literature. International Journal of Molecular Sciences, 2022, 23, 233.	1.8	6
4	Novel melamine â€“ salicylic salt solvates and co-crystals; an analysis of the energetic parameters of the intermolecular hydrogen bonds stabilizing the crystal structure. CrystEngComm, 2022, 24, 5688-5696.	1.3	1
5	The role of sulfur interactions in crystal architecture: experimental and quantum theoretical studies on hydrogen, halogen, and chalcogen bonds in trithiocyanuric acidâ€“pyridine N-oxide co-crystals. CrystEngComm, 2021, 23, 324-334.	1.3	13
6	A Useful Synthetic Route to N-Nonsubstituted Succinimides via Light-Induced Degradation of Metallocarbonyl Complexes. Organometallics, 2021, 40, 663-673.	1.1	4
7	Cooperation/Competition between Halogen Bonds and Hydrogen Bonds in Complexes of 2,6-Diaminopyridines and X-CY3 (X = Cl, Br; Y = H, F). Symmetry, 2021, 13, 766.	1.1	6
8	A straightforward conversion of 1,4-quinones into polycyclic pyrazoles via [3 + 2]-cycloaddition with fluorinated nitrile imines. Beilstein Journal of Organic Chemistry, 2021, 17, 1509-1517.	1.3	6
9	Ionic cocrystals of dithiobispyridines: the role of I...I halogen bonds in the building of iodine frameworks and the stabilization of crystal structures. Acta Crystallographica Section C, Structural Chemistry, 2021, 77, 458-466.	0.2	3
10	A rare case of a 2:2:1 ternary cocrystal of pyridine sulfides and trithiocyanuric acid. Acta Crystallographica Section C, Structural Chemistry, 2021, 77, 479-484.	0.2	2
11	Trithiocyanuric acid: novel cocrystals and analysis of its tautomeric forms. Acta Crystallographica Section C, Structural Chemistry, 2021, 77, 49-55.	0.2	4
12	Câ€”Br...S halogen bonds in novel thioureaN-oxide cocrystals: analysis of energetic and QTAIM parameters. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 170-176.	0.2	7
13	Inverse electronâ€demand Dielsâ€Alder (iEDDA) bioorthogonal conjugation of halfâ€sandwich transition metallocarbonyl entities to a model protein. Applied Organometallic Chemistry, 2020, 34, e5507.	1.7	2
14	Crystal structure of 3,6-bis(pyridin-2-yl)-1,4-dihydro-1,2,4,5-tetrazine. Acta Crystallographica Section E: Crystallographic Communications, 2019, 75, 86-88.	0.2	0
15	N-Oxideâ€“N-oxide interactions and Cl...Cl halogen bonds in pentachloropyridine N-oxide: the many-body approach to interactions in the crystal state. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 113-119.	0.2	12
16	Tuning the Strength of the Resonance-Assisted Hydrogen Bond in o-Hydroxybenzaldehyde by Substitution in the Aromatic Ring¹. Journal of Physical Chemistry A, 2018, 122, 2279-2287.	1.1	28
17	Tuning Aromaticity of paraâ€Substituted Benzene Derivatives with an External Electric Field. ChemPhysChem, 2018, 19, 590-595.	1.0	12
18	Metallocarbonyl complexes: (Î·5-C5H5)M(CO)n(Î·1-N-imidato) (M = Fe, Ru, Mo, W; n = 2, 3) as new photoactive CO-releasing molecules (CORMs). Journal of Photochemistry and Photobiology A: Chemistry, 2018, 351, 115-123.	2.0	9

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19	Does Proton Transfer Always Take Place in Molecules of 2-Substituted Pyridine-N-oxides? The Case of 2-Aminopyridine-N-oxide Crystal Structure and Its 3,5-Dinitrobenzoic Acid Co-crystal. Crystal Growth and Design, 2018, 18, 7373-7382.	1.4	9
20	Extremely Strong Halogen Bond. The Case of a Double-Charge-Assisted Halogen Bridge. Journal of Physical Chemistry A, 2018, 122, 5484-5492.	1.1	26
21	Halogen bond versus hydrogen bond: The manyâ€body interactions approach. International Journal of Quantum Chemistry, 2017, 117, e25348.	1.0	21
22	Non-covalent interactions of N-phenyl-1,5-dimethyl-1H-imidazole-4-carboxamide 3-oxide derivativesâ€”a case of intramolecular N-oxide hydrogen bonds. Structural Chemistry, 2017, 28, 1229-1241.	1.0	9
23	Feynman force components: basis for a solution to the covalent vs. ionic dilemma. Physical Chemistry Chemical Physics, 2016, 18, 25022-25026.	1.3	10
24	Use of Quantum Theory of Atoms in Molecules in the Search for Appropriate Hydrogen Atom Locations in X-ray Diffraction Based Studies. Crystal Growth and Design, 2016, 16, 6841-6848.	1.4	8
25	Source of Cooperativity in Halogenâ€Bonded Haloamine Tetramers. ChemPhysChem, 2016, 17, 474-480.	1.0	16
26	Interactions of polar hydrogen bond donor solvents with ions: a theoretical study. Structural Chemistry, 2016, 27, 1279-1289.	1.0	6
27	Synthesis and characterization of new M(II) carbonyl complexes (MÂ=ÂFe or Ru) including an Î·1-N-maleimidato ligand. Reactivity studies with biological thiols. Journal of Organometallic Chemistry, 2016, 801, 101-110.	0.8	11
28	The nature of NO-bonding in N-oxide group. Physical Chemistry Chemical Physics, 2015, 17, 16375-16387.	1.3	45
29	Quasi-aromaticityâ€”what does it mean?. Tetrahedron, 2015, 71, 4895-4908.	1.0	35
30	Why 1,2-quinone derivatives are more stable than their 2,3-analogues?. Theoretical Chemistry Accounts, 2015, 134, 1.	0.5	16
31	N-Oxide as a Proton Accepting Group in Multicomponent Crystals: X-ray and Theoretical Studies on New p-Nitropyridine-N-oxide Co-Crystals. Crystal Growth and Design, 2015, 15, 5802-5815.	1.4	22
32	Aromaticity Induced by Electric Field: The Case of Polycalicenes. Journal of Organic Chemistry, 2015, 80, 9091-9101.	1.7	4
33	UV-vis spectra of singlet state cationic polycyclic aromatic hydrocarbons: Time-dependent density functional theory study. Journal of Chemical Physics, 2014, 140, 044324.	1.2	6
34	Temperature-dependent polymorphism of N-(4-fluorophenyl)-1,5-dimethyl-1H-imidazole-4-carboxamide 3-oxide: experimental and theoretical studies on intermolecular interactions in the crystal state. Structural Chemistry, 2014, 25, 979-989.	1.0	14
35	Aromaticity from the Viewpoint of Molecular Geometry: Application to Planar Systems. Chemical Reviews, 2014, 114, 6383-6422.	23.0	439
36	The influence of substituent effect on noncovalent interactions in ternary complexes stabilized by hydrogen-bonding and halogen-bonding. Computational and Theoretical Chemistry, 2014, 1027, 173-178.	1.1	28

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37	The substituent effect on benzene dications. Physical Chemistry Chemical Physics, 2014, 16, 4752-4763.	1.3	17
38	Halogenâ€“halogen interaction in view of many-body approach. Chemical Physics Letters, 2013, 583, 8-13.	1.2	26
39	The halogen<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si56.gif" overflow="scroll"><mml:mrow><mml:mo>â‹¯</mml:mo></mml:mrow></mml:math>oxygen interaction in 3-halogenopropenal revisited â€“ The dimer model vs. QTAIM indications. Chemical Physics, 2013, 415, 207-213.	0.9	33
40	The shape of the halogen atomâ€”anisotropy of electron distribution and its dependence on basis set and method used. Structural Chemistry, 2013, 24, 1297-1306.	1.0	22
41	Electron Density Characteristics in Bond Critical Point (QTAIM) versus Interaction Energy Components (SAPT): The Case of Charge-Assisted Hydrogen Bonding. Journal of Physical Chemistry A, 2012, 116, 452-459.	1.1	109
42	Nature of a Hydrideâ€“Halogen Bond. A SAPT-, QTAIM-, and NBO-Based Study. Journal of Physical Chemistry A, 2012, 116, 2322-2332.	1.1	96
43	Halogen bond, hydrogen bond and Nâ‹¯C interaction â€“ On interrelation among these three noncovalent interactions. Computational and Theoretical Chemistry, 2012, 998, 26-33.	1.1	40
44	Modeling the electronic structure of formamide: an acid/base amphoteric solvent. Structural Chemistry, 2012, 23, 1711-1721.	1.0	11
45	EL: the new aromaticity measure based on one-electron density function. Structural Chemistry, 2012, 23, 1173-1183.	1.0	42
46	Routes of Ï€-Electron Delocalization in 4-Substituted-1,2-benzoquinones. Journal of Organic Chemistry, 2011, 76, 550-556.	1.7	15
47	Does the concept of Clar's aromatic sextet work for dicationic forms of polycyclic aromatic hydrocarbons?â€”testing the model against charged systems in singlet and triplet states. Physical Chemistry Chemical Physics, 2011, 13, 11976-11984.	1.3	25
48	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
49	Cyclooctatetraene dianionâ€”an artifact?. Journal of Computational Chemistry, 2011, 32, 1441-1448.	1.5	17
50	Does electron density in bond critical point reflect the formal charge distribution in H-bridges? The case of charge-assisted hydrogen bonds (CAHBs). Computational and Theoretical Chemistry, 2011, 966, 113-119.	1.1	31
51	Basis Set and Method Dependence in Quantum Theory of Atoms in Molecules Calculations for Covalent Bonds. Journal of Physical Chemistry A, 2010, 114, 12498-12505.	1.1	65
52	On the nature of halogen bond â€“ The Kohnâ€“Sham molecular orbital approach. Computational and Theoretical Chemistry, 2010, 945, 89-92.	1.5	122
53	Basis Set and Method Dependence in Atoms in Molecules Calculations. Journal of Physical Chemistry A, 2010, 114, 2240-2244.	1.1	93
54	Cyclooctatetraene in metal complexesâ€”planar does not mean aromatic. New Journal of Chemistry, 2010, 34, 1855.	1.4	17

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55	H-Bonding-Assisted Substituent Effect. Journal of Organic Chemistry, 2010, 75, 4944-4949.	1.7	45
56	Aromaticity of substituted fulvene derivatives: substituent-dependent ring currents. Physical Chemistry Chemical Physics, 2010, 12, 10740.	1.3	44
57	Bonding in Î²-diketiminate boron and its analogues. Structural Chemistry, 2009, 20, 919-923.	1.0	6
58	Ï€â€Electronic communication through mono and multinuclear gold(I) complexes. International Journal of Quantum Chemistry, 2009, 109, 2507-2519.	1.0	5
59	Î·1-N-succinimidato complexes of iron, molybdenum and tungsten as reversible inhibitors of papain. Journal of Inorganic Biochemistry, 2009, 103, 1162-1168.	1.5	7
60	The phospha-Michael addition of dimethyl- and diphenylphosphites to the Î·1-N-maleimidato ligand: Inhibition of serine hydrolases by half-sandwich metallocarbonyl azaphosphonates. Journal of Organometallic Chemistry, 2009, 694, 908-915.	0.8	12
61	Diels-Alder reaction with cyclopentadiene and electronic structures of (Î·5-cyclopentadienyl)M(CO)x(Î·1-N-maleimidato) (M=Fe, Mo, W, x=2 or 3). Journal of Organometallic Chemistry, 2009, 694, 1354-1358.	0.8	7
62	Unusual electron density topology and intramolecular steric Ï€â€“Ï€ interaction in 1,3,5,7-cyclooctatetraene. Chemical Physics Letters, 2009, 481, 34-38.	1.2	10
63	Substituent effects in mono- and disubstituted 1,3,5,7-cyclooctatetraene derivatives in natural and planar conformations. New Journal of Chemistry, 2009, 33, 1753.	1.4	22
64	Interplay between Intramolecular Resonance-Assisted Hydrogen Bonding and Local Aromaticity. II. 1,3-Dihydroxyaryl-2-aldehydes. Journal of Organic Chemistry, 2009, 74, 2059-2066.	1.7	68
65	Divalent carbon atom as the proton acceptor in hydrogen bonding. Physical Chemistry Chemical Physics, 2009, 11, 5711.	1.3	43
66	Do intramolecular halogen bonds exist? Ab initio calculations and crystal structuresâ€™ evidences. Structural Chemistry, 2008, 19, 5-11.	1.0	52
67	Reaction of ferrocenecarbothioamide and N-(ethoxycarbonyl)ferrocenecarbothioamide with alkyl halides. Journal of Organometallic Chemistry, 2008, 693, 263-268.	0.8	8
68	Relation between Ï€-Electron Localization/Delocalization and H-Bond Strength in Derivatives ofo-Hydroxy-Schiff Bases. Journal of Organic Chemistry, 2008, 73, 2138-2145.	1.7	44
69	Application of AIM Parameters at Ring Critical Points for Estimation of Ï€â€Electron Delocalization in Sixâ€Membered Aromatic and Quasiâ€Aromatic Rings. Chemistry - A European Journal, 2007, 13, 7996-8006.	1.7	159
70	Inter- and intramolecular hydrogen bonds â€“ Structures of 1-methylpyrrole-2-carboxamide and 1-hydroxypyrrole-2-carboxamide. Journal of Molecular Structure, 2007, 844-845, 173-180.	1.8	11
71	Substituent effect in para substituted Cr(CO)5â€“pyridine complexes. Journal of Organometallic Chemistry, 2007, 692, 3866-3873.	0.8	53
72	Relationship between substituent effect and aromaticity â€“ Part III: naphthalene as a transmitting moiety for substituent effect. Journal of Physical Organic Chemistry, 2007, 20, 297-306.	0.9	61

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73	Do intramolecular halogen bonds exist? Ab initio calculations and crystal structuresâ€™ evidences. Structural Chemistry, 2007, 18, 859-865.	1.0	34
74	Professor Tadeusz Marek Krygowski. Structural Chemistry, 2007, 18, 755-756.	1.0	1
75	The proton transfer reaction in malonaldehyde derivatives: Substituent effects and quasi-aromaticity of the proton bridge. Chemical Physics, 2007, 342, 43-54.	0.9	43
76	Interplay between Intramolecular Resonance-Assisted Hydrogen Bonding and Aromaticity in o-Hydroxyaryl Aldehydes. Journal of Organic Chemistry, 2006, 71, 5241-5248.	1.7	110
77	Heteronuclear Intermolecular Resonance-Assisted Hydrogen Bonds. The Structure of Pyrrole-2-Carboxamide (PyCa). Journal of Physical Chemistry B, 2006, 110, 5875-5882.	1.2	27
78	2-[3-Dicyanomethylene-2-(3-methoxybenzylidene)indan-1-ylidene]malononitrile. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, o3052-o3053.	0.2	1
79	Ferrocenyl Dâ€“Ï€â€“A conjugated polyenes with 3-dicyanomethylidene-1-indanone and 1,3-bis(dicyanomethylidene)indane acceptor groups: Synthesis, linear and second-order nonlinear optical properties and electrochemistry. Journal of Organometallic Chemistry, 2006, 691, 323-330.	0.8	34
80	Intramolecular carbonylâ‹¯carbonyl interactions in W, Mo and Fe complexes containing the Î·1-N-maleimidato ligand: X-ray, DFT and AIM studies. Journal of Organometallic Chemistry, 2006, 691, 3232-3238.	0.8	19
81	Aryl (ferrocenyl)-capped ethenylazaferrocenes: synthesis, structure and electrochemistry. New Journal of Chemistry, 2006, 30, 901-907.	1.4	11
82	Charge-assisted Nâ€”H...I and Câ€”H...I hydrogen bonding in (1R,2S)-1-(ferrocenylmethyl)-2-(methoxymethyl)pyrrolidinium iodide. Acta Crystallographica Section C: Crystal Structure Communications, 2005, 61, m55-m57.	0.4	3
83	Sulfhydryl-Selective, Covalent Labeling of Biomolecules with Transition Metallocarbonyl Complexes. Synthesis of (Î·5-C5H5)M(CO)3(Î·1-N-Maleimidato) (M = Mo, W), X-ray Structure, and Reactivity Studies. Bioconjugate Chemistry, 2005, 16, 1218-1224.	1.8	25
84	Isochroman derivatives and their tendency to crystallize in chiral space groups. Acta Crystallographica Section C: Crystal Structure Communications, 2004, 60, o239-o241.	0.4	0
85	Dimethyl 3,4,5,5-tetraphenyl-1,3-thiazolidine-2,2-dicarboxylate and 3,3-dichloro-2,2,4,4,3â€²-pentamethyl-r-2â€²,t-4â€²-diphenylcyclobutane-1-spiro-5â€²-1,3-thiazolidine. Acta Crystallographica Section C: Crystal Structure Communications, 2004, 60, o595-o599.	0.4	0
86	Are the Oâ€“Hâ‹¯Hâ€“C intramolecular systems of 2-cyclopropyl ethenol and its derivatives classified as dihydrogen bonds? Ab initio and DFT study. Computational and Theoretical Chemistry, 2004, 674, 147-152.	1.5	11
87	Intramolecular HÂ·Â·Â·H Interactions for the Crystal Structures of [4-((E)-But-1-enyl)-2,6-dimethoxyphenyl]pyridine-3-carboxylate and [4-((E)-Pent-1-enyl)-2,6-dimethoxyphenyl]pyridine-3-carboxylate; DFT Calculations on Modeled Styrene Derivatives. Journal of Physical Chemistry B, 2004, 108, 1831-1837.	1.2	71
88	Crystal and Molecular Structure of Pyrrole-2-carboxylic Acid; Ï€-Electron Delocalization of Its Dimersâ€”DFT and MP2 Calculations. Journal of Physical Chemistry A, 2004, 108, 5815-5822.	1.1	35
89	Characteristics of ring critical point as descriptors of H-bond strength. Journal of Chemical Research, 2004, 2004, 492-493.	0.6	8
90	Ferrocenyl D-Ï€-A chromophores containing 3-dicyanomethylidene-1-indanone and 1,3-bis(dicyanomethylidene)indane acceptor groups. Journal of Organometallic Chemistry, 2003, 675, 35-41.	0.8	35

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91	5-Methoxy-4-(4-methoxyphenyl)isochroman-3-ol. Acta Crystallographica Section E: Structure Reports Online, 2003, 59, o11-o13.	0.2	0
92	4-(E)-But-1-enyl-2,6-dimethoxyphenyl nicotinate. Acta Crystallographica Section E: Structure Reports Online, 2003, 59, o854-o856.	0.2	0
93	8-Methoxy-4-(4-methoxyphenyl)isochroman-3-ol. Acta Crystallographica Section E: Structure Reports Online, 2003, 59, o2000-o2002.	0.2	0
94	Methoxy group as an acceptor of proton in hydrogen bonds. Journal of Molecular Structure, 2002, 642, 97-104.	1.8	63
95	Co-crystals synthesis of 2- and 4-mercaptopyridine with thiourea and its analogue, trithiocyanuric acid. CrystEngComm, 0, , .	1.3	4