# Aleksander Filarowski

List of Publications by Year
in descending order



| 100 | 2,450 | 172457 | 233421 |
|---|---|---|---|
| papers | citations | 29 h-index | 45 g-index |

| 102 | 102 | 102 | 2072 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Comparison of Proton Acceptor and Proton Donor Properties of H2O and H2O2 in Organic Crystals of Drug-like Compounds: Peroxosolvates vs. Crystallohydrates. Molecules, 2022, 27, 717. | 3.8 | 11 |
| 2 | Combination of â€œButtressingâ€•and â€œClothespinâ€•Effects for Reaching the Shortest NHN Hydrogen Bond in Proton Sponge Cations. Journal of Organic Chemistry, 2021, 86, 3637-3647. | 3.2 | 14 |
| 3 | Magnetic Properties of Nickel-Titanium Alloy during Martensitic Transformations under Plastic and Elastic Deformation. Symmetry, 2021, 13, 665. | 2.2 | 4 |
| 4 | Polymorphism and Conformational Equilibrium of Nitro-Acetophenone in Solid State and under Matrix Conditions. Molecules, 2021, 26, 3109. | 3.8 | 5 |
| 5 | Spectroscopic Identification of Hydrogen Bond Vibrations and Quasi-Isostructural Polymorphism in N-Salicylideneaniline. Molecules, 2021, 26, 5043. | 3.8 | 7 |
| 6 | Symmetry/Asymmetry of the NHN Hydrogen Bond in Protonated 1,8-Bis(dimethylamino)naphthalene. Symmetry, 2020, 12, 1924. | 2.2 | 8 |
| 7 | Inter- vs. Intramolecular Hydrogen Bond Patterns and Proton Dynamics in Nitrophthalic Acid Associates. Molecules, 2020, 25, 4720. | 3.8 | 13 |
| 8 | Modeling Biologically Important NHÂ·Â·Â·Ï€ Interactions Using peri-Disubstituted Naphthalenes. Journal of Organic Chemistry, 2020, 85, 12468-12481. | 3.2 | 8 |
| 9 | How Strong is Hydrogen Bonding to Amide Nitrogen?. ChemPhysChem, 2020, 21, 651-658. | 2.1 | 12 |
| 10 | H/D Isotope Effects on 1H-NMR Chemical Shifts in Cyclic Heterodimers and Heterotrimers of Phosphinic and Phosphoric Acids. Molecules, 2020, 25, 1907. | 3.8 | 14 |
| 11 | Aryleneâ€Ethynylene Oligomers Based on the Proton Sponge. European Journal of Organic Chemistry, 2019, 2019, 7128-7141. | 2.4 | 7 |
| 12 | Intramolecular Hydrogen Bonds in Selected Aromatic Compounds: Recent Developments. Catalysts, 2019, 9, 909. | 3.5 | 14 |
| 13 | Nucleophilic Substitution of Hydrogen Atom in Initially Inactivated Pyrrole Ring. Organic Letters, 2019, 21, 1953-1957. | 4.6 | 5 |
| 14 | Investigation of the structural-phase state under superplastic deformation of the Co-Ni-Nb alloy. Phase Transitions, 2019, 92, 1110-1117. | 1.3 | 0 |
| 15 | Neutral Pyrrole Nitrogen Atom as a Ï€- and Mixed n,Ï€-Donor in Hydrogen Bonding. Journal of Organic Chemistry, 2019, 84, 726-737. | 3.2 | 7 |
| 16 | Structural and spectroscopic features of proton hydrates in the crystalline state. Solid-state DFT study on HCl and triflic acid hydrates. Molecular Physics, 2018, 116, 251-262. | 1.7 | 14 |
| 17 | A molecular roundabout: triple cyclically arranged hydrogen bonds in light of experiment and theory. New Journal of Chemistry, 2018, 42, 19467-19477. | 2.8 | 10 |
| 18 | 1,8-Bis(dimethylamino)naphthyl-2-ketimines: Inside vs outside protonation. Beilstein Journal of Organic Chemistry, 2018, 14, 2940-2948. | 2.2 | 5 |

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| 19 | Impact of the Ketoâ€“Enol Tautomeric Equilibrium on the BODIPY Chromophore. Journal of Physical Chemistry A, 2018, 122, 5955-5961. | 2.5 | 10 |
| 20 | Investigation of Structural-Phase States and Features of Plastic Deformation of the Austenitic Precipitation-Hardening Co-Ni-Nb Alloy. Metals, 2018, 8, 19. | 2.3 | 4 |
| 21 | Structure and properties of a new rigid tripodal oxime ligand. Journal of Molecular Structure, 2017, 1136, 100-106. | 3.6 | 5 |
| 22 | Reaction of 2-trifluoroacetyl-1,8-Bis(dimethylamino)naphthalene with strong organic bases: Deprotonation of 1-NMe2 group resulting in the formation of Benzo[g]indole derivatives versus nucleophilic addition to C O group. Tetrahedron, 2017, 73, 3452-3457. | 1.9 | 8 |
| 23 | Synthesis, structural, spectroscopic, computational and cytotoxic studies of BODIPY dyes. Sensors and Actuators B: Chemical, 2017, 238, 548-555. | 7.8 | 24 |
| 24 | Some Brief Notes on Theoretical and Experimental Investigations of Intramolecular Hydrogen Bonding. Molecules, 2016, 21, 1657. | 3.8 | 33 |
| 25 | Calculations of BODIPY dyes in the ground and excited states using the M06-2X and PBE0 functionals. Journal of Molecular Modeling, 2016, 22, 260. | 1.8 | 21 |
| 26 | Why Does the 2,2â€²-Bipyridine-4-methyl-3,3â€²-Dicarboxylic Acid Not Form MOFs: Synthesis, Crystal Structure and Properties of a New Organic Ligand. Journal of Chemical Crystallography, 2015, 45, 363-368. | 1.1 | 1 |
| 27 | Base-promoted transformation of 2-C(O)R-1,8-bis(dimethylamino)naphthalenes into benzo[g]indole derivatives. Mendeleev Communications, 2015, 25, 182-184. | 1.6 | 7 |
| 28 | Conformational state of Î²-hydroxynaphthylamides: Barriers for the rotation of the amide group around CN bond and dynamics of the morpholine ring. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 254-262. | 3.9 | 15 |
| 29 | Ring lithiation of 1,8-bis(dimethylamino)naphthalene: another side of the â€˜proton sponge coinâ€™. Dalton Transactions, 2015, 44, 17756-17766. | 3.3 | 13 |
| 30 | Solvatochromism of BODIPY-Schiff Dye. Journal of Physical Chemistry B, 2015, 119, 2576-2584. | 2.6 | 37 |
| 31 | Tautomeric design of ortho-hydroxyheterocyclic Schiff bases. Journal of Molecular Structure, 2015, 1080, 52-56. | 3.6 | 7 |
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| 33 | Out-Basicity of 1,8-bis(dimethylamino)naphthalene: the experimental and theoretical challenge. Organic and Biomolecular Chemistry, 2014, 12, 2360. | 2.8 | 14 |
| 34 | Comparison of Resonance Assisted and Charge Assisted Effects in Strengthening of Hydrogen Bonds in Dipyrrins. Journal of Chemical Information and Modeling, 2014, 54, 86-95. | 5.4 | 5 |
| 35 | Impact of proton transfer phenomena on the electronic structure of model Schiff bases: An AIM/NBO/ELF study. Journal of Chemical Physics, 2013, 139, 154312. | 3.0 | 5 |
| 36 | Photochromic cycle of 2â€²-hydroxyacetophenone azine studied by absorption and emission spectroscopy in different solvents. Journal of Chemical Physics, 2013, 139, 104305. | 3.0 | 1 |

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| 37 | Extreme Magnetic Separation of Geminal Protons in Protonated N,N,Nâ€²-Trimethyl-1,8-diaminonaphthalene. A Puzzle of the Fourth Methyl Group. Organic Letters, 2013, 15, 2194-2197. | 4.6 | 5 |
| 38 | Secondary Isotope Effects on <sup>13</sup>C and <sup>15</sup>N Chemical Shifts of Schiff Bases Revisited. Zeitschrift Fur Physikalische Chemie, 2013, 227, 917-927. | 2.8 | 3 |
| 39 | H/D Isotope Effects in Hydrogen Bonded Systems. Molecules, 2013, 18, 4467-4476. | 3.8 | 54 |
| 40 | Triple hydrogen bonding in a circular arrangement: ab initio, DFT and first-principles MD studies of tris-hydroxyaryl enamines. Journal of Computer-Aided Molecular Design, 2012, 26, 1045-1053. | 2.9 | 11 |
| 41 | Peculiarities of quasi-aromatic hydrogen bonding. RSC Advances, 2012, 2, 8135. | 3.6 | 30 |
| 42 | Electron-topological, energetic and Ï€-electron delocalization analysis of ketoenamine-enolimine tautomeric equilibrium. Journal of Molecular Modeling, 2012, 18, 257-263. | 1.8 | 5 |
| 43 | The photoinduced isomerization and its implication in the photo-dynamical processes in two simple Schiff bases isolated in solid argon. Physical Chemistry Chemical Physics, 2011, 13, 16596. | 2.8 | 29 |
| 44 | 1,7-Disubstituted Boron Dipyrromethene (BODIPY) Dyes: Synthesis and Spectroscopic Properties. Journal of Organic Chemistry, 2011, 76, 8168-8176. | 3.2 | 116 |
| 45 | Rational Design, Synthesis, and Spectroscopic and Photophysical Properties of a Visibleâ€Lightâ€Excitable, Ratiometric, Fluorescent Nearâ€Neutral pH Indicator Based on BODIPY. Chemistry - A European Journal, 2011, 17, 10924-10934. | 3.3 | 62 |
| 46 | CNNC conformational isomers of 2â€²-hydroxyacetophenone azine: FTIR matrix isolation and DFT study. Journal of Molecular Structure, 2010, 976, 371-376. | 3.6 | 13 |
| 47 | Generalized solvent scales as a tool for investigating solvent dependence of spectroscopic and kinetic parameters. Application to fluorescent BODIPY dyes. Photochemical and Photobiological Sciences, 2010, 9, 996-1008. | 2.9 | 100 |
| 48 | The conformational analysis of 2-hydroxyaryl Schiff thiosemicarbazones. CrystEngComm, 2010, 12, 1955. | 2.6 | 7 |
| 49 | Intramolecular Hydrogen Bonding in o-hydroxy Aryl Schiff Bases. Current Organic Chemistry, 2009, 13, 172-193. | 1.6 | 58 |
| 50 | Vibrational Spectra of o-hydroxyphenyl Schiff Bases and Related Compounds. Current Organic Chemistry, 2009, 13, 287-298. | 1.6 | 17 |
| 51 | Intraâ€versus intermolecular hydrogen bonding equilibrium in 2â€hydroxyâ€N,Nâ€diethylbenzamide. Journal of Physical Organic Chemistry, 2009, 22, 130-137. | 1.9 | 13 |
| 52 | Structural and aromatic aspects of tautomeric equilibrium in hydroxy aryl Schiff bases. Journal of Physical Organic Chemistry, 2008, 21, 939-944. | 1.9 | 59 |
| 53 | Theoretical investigation of tautomeric equilibrium in ortho-hydroxy phenyl Schiff bases. Chemical Physics Letters, 2008, 463, 426-430. | 2.6 | 22 |
| 54 | 2,7-Disubstituted proton sponges as borderline systems for investigating barrier-free intramolecular hydrogen bonds. Protonated 2,7-bis(trimethylsilyl)- and 2,7-di(hydroxymethyl)-1,8-bis(dimethylamino)naphthalenes. Tetrahedron, 2008, 64, 6209-6214. | 1.9 | 22 |

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| 55 | ATR-IR spectroscopic study of the structural changes in the hydrophobic region of ICPAN/DPPC bilayers. Journal of Molecular Structure, 2008, 878, 162-168. | 3.6 | 23 |
| 56 | Inelastic neutron scattering and vibrational spectra of 2-(N-methyl-Î±-iminoethyl)-phenol and 2-(N-methyliminoethyl)-phenol: Experimental and theoretical approach. Journal of Molecular Structure, 2008, 880, 97-108. | 3.6 | 12 |
| 57 | Matrix-isolation FT-IR and theoretical investigation of the competitive intramolecular hydrogen bonding in 5-methyl-3-nitro-2-hydroxyacetophenone. Journal of Molecular Structure, 2008, 880, 86-96. | 3.6 | 11 |
| 58 | AIM Analysis of Intramolecular Hydrogen Bonding in O-Hydroxy Aryl Schiff Bases. Journal of Physical Chemistry A, 2008, 112, 3119-3126. | 2.5 | 55 |
| 59 | Density Functional Theory Study of Intramolecular Hydrogen Bonding and Proton Transfer ino-Hydroxyaryl Ketimines. Journal of Physical Chemistry A, 2008, 112, 3478-3485. | 2.5 | 28 |
| 60 | Molecular Properties Investigation of a Substituted Aromatic Mannich Base:â€‰ Dynamic and Static Models. Journal of Chemical Information and Modeling, 2007, 47, 818-831. | 5.4 | 7 |
| 61 | 2-Î±-Hydroxyalkyl- and 2,7-Di(Î±-hydroxyalkyl)-1,8-bis(dimethylamino)naphthalenes:Â Stabilization of Nonconventional In/Out Conformers of â€œProton Spongesâ€•via NÂ·Â·Â·Hâ^'O Intramolecular Hydrogen Bonding. A Remarkable Kind of Tandem Nitrogen Inversion. Journal of Organic Chemistry, 2007, 72, 3006-3019. | 3.2 | 35 |
| 62 | Matrix-isolation FT-IR and theoretical investigation of the vibrational properties of the sterically hindered ortho-hydroxy acylaromatic Schiff bases. Journal of Molecular Structure, 2007, 844-845, 83-93. | 3.6 | 11 |
| 63 | The role of ring substituents on hydrogen bonding of 5-cyano-2-hydroxyacetophenone and 2-hydroxy-4-methoxy-5-nitroacetophenone in the ground and excited states. Journal of Molecular Structure, 2007, 844-845, 77-82. | 3.6 | 10 |
| 64 | Ground and excited state proton transfer reaction of salicylidine-3,4,7-methyl amine in micelles. Chemical Physics Letters, 2006, 420, 316-320. | 2.6 | 6 |
| 65 | Phase transition and intramolecular hydrogen bonding in nitro derivatives of ortho-hydroxy acetophenones. Journal of Molecular Structure, 2006, 785, 7-13. | 3.6 | 11 |
| 66 | The intramolecular hydrogen bond in 2-hydroxy-benzamides. Journal of Molecular Structure, 2006, 790, 65-73. | 3.6 | 17 |
| 67 | Proton transfer reaction of a new orthohydroxy Schiff base in some protic and aprotic solvents at room temperature and 77K. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 62, 126-131. | 3.9 | 11 |
| 68 | Excited state intermolecular proton transfer and caging of salicylidine-3,4,7-methyl amine in cyclodextrins. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 175, 94-99. | 3.9 | 40 |
| 69 | 2-Î±-Hydroxybenzhydryl- and 2,7-di(Î±-hydroxybenzhydryl)-1,8-bis(dimethylamino)naphthalenes: the first examples of stabilization of in/out proton sponge conformers by intramolecular hydrogen bonding. The most flattened amino group ever participating in IHB. Tetrahedron Letters, 2005, 46, 3973-3976. | 1.4 | 20 |
| 70 | Factor Analysis of Deuterium Isotope Effects on13C NMR Chemical Shifts in Schiff Bases. Chemistry - A European Journal, 2005, 11, 4758-4766. | 3.3 | 17 |
| 71 | Intramolecular Hydrogen Bonding in O-Hydroxyaryl Schiff Bases. ChemInform, 2005, 36, no. | 0.0 | 0 |
| 72 | Solvent Influence on the Transformation of Intramolecular Hydrogen Bonds in 2-Hydroxy-5-Methyl-3-Nitroacetophenone. Journal of Solution Chemistry, 2005, 34, 929-945. | 1.2 | 12 |

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| 73 | Intramolecular hydrogen bonding ino-hydroxyaryl Schiff bases. Journal of Physical Organic Chemistry, 2005, 18, 686-698. | 1.9 | 112 |
| 74 | Steric and aromatic impact on intramolecular hydrogen bonds ino-hydroxyaryl ketones and ketimines. Journal of Physical Organic Chemistry, 2005, 18, 986-993. | 1.9 | 36 |
| 75 | Tautomerism of Sterically Hindered Schiff Bases. Deuterium Isotope Effects on13C Chemical Shifts. Journal of Physical Chemistry A, 2005, 109, 4464-4473. | 2.5 | 47 |
| 76 | Proton transfer reaction of a new orthohydroxy Schiff base at room temperature and 77 K. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 805-813. | 3.9 | 8 |
| 77 | The intramolecular hydrogen bond in ortho-hydroxy acetophenones. Journal of Molecular Structure, 2004, 700, 67-72. | 3.6 | 30 |
| 78 | Characterisation of the PT-form of o-hydroxy acylaromatic Schiff bases by NMR spectroscopy and DFT calculations. Journal of Molecular Structure, 2004, 707, 69-75. | 3.6 | 21 |
| 79 | Interaction between methyl glyoxal and ascorbic acid: experimental and theoretical aspects. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 1523-1526. | 3.9 | 10 |
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| 85 | Strengthening of the intramolecular hydrogen bond in 7-ethylsalicylidene aniline due to steric repulsion. Computational and Theoretical Chemistry, 2002, 577, 153-159. | 1.5 | 10 |
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| 87 | Ground and excited state proton transfer reaction of two new o-hydroxy Schiff bases in some protic solvents at room temperature and 77 K. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 153, 67-76. | 3.9 | 19 |
| 88 | Proton transfer equilibrium in the intramolecular hydrogen bridge in sterically hindered Schiff bases. Journal of Molecular Structure, 2002, 615, 97-108. | 3.6 | 46 |
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| 94 | Sterische Modifikation der intramolekularen WasserstoffbrÃ¼ckenbindungin 2-(Methylimino-phenyl-methyl)-phenolen. Monatshefte FÃ¼r Chemie, 1999, 130, 1097. | 1.8 | 23 |
| 95 | Proton transfer reaction in Nâ€methylâ€2â€hydroxyâ€Schiff bases. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1998, 102, 393-402. | 0.9 | 63 |
| 96 | Specificity of the intramolecular hydrogen bond. The differences in spectroscopic characteristics of the intermolecular and intramolecular H-bonds. Vibrational Spectroscopy, 1998, 17, 123-131. | 2.2 | 57 |
| 97 | The influence of steric and polar effects on hydrogen bonding in 2-(N,N-diethylamino)-methyl-4-NO2-phenols. Journal of Chemical Crystallography, 1997, 27, 707-719. | 1.1 | 17 |
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| 99 | Integrated intensity of OH absorption bands in bent hydrogen bonds in ortho-dialkylaminomethyl phenols. Vibrational Spectroscopy, 1996, 12, 15-24. | 2.2 | 33 |
| 100 | The electrooptical parameters of aniline and its halogeno derivatives in hydrogen bonded complexes. Journal of Molecular Structure, 1989, 196, 353-370. | 3.6 | 29 |