

Natalia Osiecka

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Vibrational dynamics of ethosuximide polymorphs. Infrared absorption and inelastic neutron scattering spectroscopy and model calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, , 121468. | 2.0 | 1 |
| 2 | Investigation of phase transitions in liquid crystal 12BBAA using window clustering of infrared spectra. <i>Journal of Molecular Liquids</i> , 2021, 341, 117233. | 2.3 | 6 |
| 3 | Synthesis, mesogenic and photoisomerization studies of (E)-4-[(4-pentyloxyphenyl)diazenyl]phenyl alkanoates. <i>Phase Transitions</i> , 2019, 92, 1066-1076. | 0.6 | 2 |
| 4 | New Insight Into Thermodynamical Stability of Carbamazepine. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2654-2660. | 1.6 | 20 |
| 5 | Molecular Dynamic in Ethosuximide Glass Forming Pharmaceutical as Studied by Dielectric Relaxation Spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 102-108. | 1.6 | 6 |
| 6 | Esters of 4-nitrocinnamic acids and 4-halogene-4- TM -hydroxyazobenzenes – synthesis, mesogenic and optical studies. <i>Phase Transitions</i> , 2019, 92, 217-228. | 0.6 | 2 |
| 7 | Insight into polymorphism of the ethosuximide (ETX). <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 133, 961-967. | 2.0 | 13 |
| 8 | Polymorphism, structure and dynamics investigations of 4-cyano-3-fluorophenyl 4- ² -n-octylbenzoate (8CFPB) liquid crystal. <i>Vibrational Spectroscopy</i> , 2017, 92, 119-126. | 1.2 | 8 |
| 9 | TOApy program for the thermo-optical analysis of phase transitions. <i>Thermochimica Acta</i> , 2017, 655, 106-111. | 1.2 | 19 |
| 10 | Fourier transform infrared spectroscopy and X-ray diffraction studies of the molecular motions and structure changes of liquid crystal N-P-(Ethoxybenzylidene) p- ² -propylaniline (EBPA). <i>Vibrational Spectroscopy</i> , 2017, 92, 62-69. | 1.2 | 5 |
| 11 | Structure and molecular packing in smectic B _{Cr} and A _d phases of Schiff base liquid crystal compounds through the analyses of layer spacing, entropy and crystal structure. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19434-19441. | 1.3 | 14 |
| 12 | Studies of reorganization of the molecules during smectic A – smectic C phase transition using infrared spectroscopy and generalized two-dimensional correlation analysis. <i>Journal of Molecular Liquids</i> , 2016, 224, 677-683. | 2.3 | 10 |
| 13 | Surface and liquid – crystalline properties of FmHnFm triblock semifluorinated n-alkanes. <i>Materials Science and Engineering C</i> , 2016, 62, 870-878. | 3.8 | 8 |
| 14 | Mesophases of non-conventional liquid crystalline molecules. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 689-697. | 2.0 | 6 |
| 15 | Synthesis and thermal behavior of triblock semifluorinated n-alkanes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 124, 251-260. | 2.0 | 3 |
| 16 | Universal scaling of dielectric response of various liquid crystals and glass-forming liquids. <i>Phase Transitions</i> , 2016, 89, 341-348. | 0.6 | 7 |
| 17 | Effect of flip-flop motion on dielectric spectra of highly ordered liquid crystals. <i>Physical Review E</i> , 2015, 92, 052503. | 0.8 | 5 |
| 18 | On new scaling of dielectric response. <i>Journal of Applied Physics</i> , 2015, 118, . | 1.1 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | FT-IR and Two-Dimensional Correlation Analysis of the Liquid Crystalline Phase Transitions in the 4-Bromobenzylidene-4'-alkoxyanilines. <i>Journal of Physical Chemistry B</i> , 2013, 117, 10612-10618. | 1.2 | 13 |
| 20 | Signatures of glass transition in partially ordered phases. <i>Liquid Crystals</i> , 2013, 40, 1436-1442. | 0.9 | 36 |
| 21 | Dynamics and Phase Transitions of 4-Bromobenzylidene-4'-pentyloxyaniline and 4-Bromobenzylidene-4'-hexyloxyaniline as Studied by Dielectric Spectroscopy. <i>Acta Physica Polonica A</i> , 2013, 124, 913-916. | 0.2 | 14 |
| 22 | X-ray studies of the smectic B phase of the 4-bromobenzylidene-4'-alkoxyanilines. <i>Phase Transitions</i> , 2012, 85, 314-321. | 0.6 | 14 |
| 23 | Volumetric, dielectric, calorimetric and X-ray studies of smectogenic 10PBO8 at atmospheric and elevated pressures. <i>Liquid Crystals</i> , 2012, 39, 993-1001. | 0.9 | 10 |