

Karolina Jurkiewicz

List of Publications by Year in descending order

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79
papers

1,120
citations

489802

18
h-index

536525

29
g-index

80
all docs

80
docs citations

80
times ranked

1182
citing authors

#	ARTICLE	IF	CITATIONS
1	Systematic studies on the dynamics, intermolecular interactions and local structure in the alkyl and phenyl substituted butanol isomers. <i>Journal of Molecular Liquids</i> , 2022, 346, 117098.	2.3	5
2	Studies on the Vitrified and Cryomilled Bosentan. <i>Molecular Pharmaceutics</i> , 2022, 19, 80-90.	2.3	2
3	Fused Deposition Modeling as a Possible Approach for the Preparation of Orodispersible Tablets. <i>Pharmaceutics</i> , 2022, 15, 69.	1.7	9
4	Variation in the local ordering, H-bonding pattern and molecular dynamics in the pressure densified ritonavir. <i>Journal of Molecular Liquids</i> , 2022, 351, 118666.	2.3	2
5	Aromaticity effect on supramolecular aggregation. Aromatic vs. cyclic monohydroxy alcohols. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 276, 121235.	2.0	6
6	Supramolecular Structure of Phenyl Derivatives of Butanol Isomers. <i>Journal of Physical Chemistry B</i> , 2022, 126, 3563-3571.	1.2	6
7	Simple Rules for Complex Near-Glass-Transition Phenomena in Medium-Sized Schiff Bases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5185.	1.8	3
8	Supramolecular structures of self-assembled oligomers under confinement. <i>Soft Matter</i> , 2022, 18, 4930-4936.	1.2	3
9	Atomistic origin of nano-silver paracrystalline structure: molecular dynamics and x-ray diffraction studies. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 375401.	0.7	0
10	The impact of the size of acetylated cyclodextrin on the stability of amorphous metronidazole. <i>International Journal of Pharmaceutics</i> , 2022, 624, 122025.	2.6	3
11	Broadband Dielectric Study of Sizable Molecular Glass Formers: Relationship Between Local Structure and Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 245-249.	2.1	7
12	High pressure aging studies on the low-molecular weight glass-forming pharmaceutical " Probucol. <i>Journal of Molecular Liquids</i> , 2021, 321, 114626.	2.3	7
13	Local structure and molecular dynamics of highly polar propylene carbonate derivative infiltrated within alumina and silica porous templates. <i>Journal of Chemical Physics</i> , 2021, 154, 064701.	1.2	6
14	Anormal Thermal History Effect on the Structural Dynamics of Probucol Infiltrated into Porous Alumina. <i>Journal of Physical Chemistry C</i> , 2021, 125, 3901-3912.	1.5	7
15	Phenyl Ring: A Steric Hindrance or a Source of Different Hydrogen Bonding Patterns in Self-Organizing Systems?. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2142-2147.	2.1	23
16	Confinement of pyrrolidinium-based ionic liquids [C _n MPyrr] ⁺ [Tf ₂ N] ⁻ with long cationic alkyl side chains (n=10 and 16) to nanoscale pores: Dielectric and calorimetric studies. <i>Journal of Molecular Liquids</i> , 2021, 324, 115115.	2.3	3
17	Influence of molecular geometry on the formation, architecture and dynamics of H-bonded supramolecular associates in 1-phenyl alcohols. <i>Journal of Molecular Liquids</i> , 2021, 326, 115349.	2.3	11
18	Erratum to "How can we improve the physical stability of co-amorphous system containing flutamide and bicalutamide? The case of ternary amorphous solid dispersions" [Eur. J. Pharmaceut. Sci. 136 (2019) 104947]. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 159, 105696.	1.9	0

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19	How to Obtain the Maximum Properties Flexibility of 3D Printed Ketoprofen Tablets Using Only One Drug-Loaded Filament?. <i>Molecules</i> , 2021, 26, 3106.	1.7	10
20	Synthetic strategy matters: The study of a different kind of PVP as micellar vehicles of metronidazole. <i>Journal of Molecular Liquids</i> , 2021, 332, 115789.	2.3	9
21	Anomalous narrowing of the shape of the structural process in derivatives of trehalose at high pressure. The role of the internal structure. <i>Journal of Molecular Liquids</i> , 2021, 336, 116321.	2.3	6
22	The dielectric response of phenothiazine-based glass-formers with different molecular complexity. <i>Scientific Reports</i> , 2021, 11, 15816.	1.6	5
23	Molecular stiffness and aromatic ring position – Crucial structural factors in the self-assembly processes of phenyl alcohols. <i>Journal of Molecular Liquids</i> , 2021, 335, 116426.	2.3	10
24	Ternary Eutectic Ezetimibe–Simvastatin–Fenofibrate System and the Physical Stability of Its Amorphous Form. <i>Molecular Pharmaceutics</i> , 2021, 18, 3588-3600.	2.3	7
25	The Impact of the Length of Alkyl Chain on the Behavior of Benzyl Alcohol Homologous. The Interplay Between Dispersive and Hydrogen Bond Interactions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 23796-23807.	1.3	9
26	Structure of 1,6-anhydro- β -D-glucopyranose in plastic crystal, orientational glass, liquid and ordinary glass forms: molecular modeling and X-ray diffraction studies. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 138-149.	0.5	2
27	Impact of the Chain Length and Topology of the Acetylated Oligosaccharide on the Crystallization Tendency of Naproxen from Amorphous Binary Mixtures. <i>Molecular Pharmaceutics</i> , 2021, 18, 347-358.	2.3	2
28	Glass-forming Schiff bases: Peculiar self-organizing systems with bifurcated hydrogen bonds. <i>Journal of Molecular Liquids</i> , 2021, , 118052.	2.3	2
29	The glass-like structure of iron–nickel nanochains produced by the magnetic-field-induced reduction reaction with sodium borohydride. <i>Physical Chemistry Chemical Physics</i> , 2021, 24, 326-335.	1.3	1
30	Molecular dynamics, viscoelastic properties and physical stability studies of a new amorphous dihydropyridine derivative with T-type calcium channel blocking activity. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 141, 105083.	1.9	8
31	Does the molecular mobility and flexibility of the saccharide ring affect the glass-forming ability of naproxen in binary mixtures?. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 141, 105091.	1.9	6
32	Studies on the internal medium-range ordering and high pressure dynamics in modified ibuprofens. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 295-305.	1.3	10
33	Relationship between Nanoscale Supramolecular Structure, Effectiveness of Hydrogen Bonds, and Appearance of Debye Process. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2672-2679.	1.5	12
34	The structure of gold nanoparticles: molecular dynamics modeling and its verification by X-ray diffraction. <i>Journal of Applied Crystallography</i> , 2020, 53, 1-8.	1.9	13
35	Interplay between structural static and dynamical parameters as a key factor to understand peculiar behaviour of associated liquids. <i>Journal of Molecular Liquids</i> , 2020, 319, 114084.	2.3	21
36	The impact of chemical structure on the formation of the medium-range order and dynamical properties of selected antifungal APIs. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 28202-28212.	1.3	4

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37	Correlation between Locally Ordered (Hydrogen-Bonded) Nanodomains and Puzzling Dynamics of Polymethylsiloxane Derivative. <i>Macromolecules</i> , 2020, 53, 10225-10233.	2.2	10
38	Thorough studies of tricyanomethanide-based ionic liquids – the influence of alkyl chain length of the cation. <i>Soft Matter</i> , 2020, 16, 9479-9487.	1.2	4
39	Influence of High Pressure on the Local Order and Dynamical Properties of the Selected Azole Antifungals. <i>Journal of Physical Chemistry B</i> , 2020, 124, 11949-11961.	1.2	6
40	Multivariate Design of 3D Printed Immediate-Release Tablets with Liquid Crystal-Forming Drug – Itraconazole. <i>Materials</i> , 2020, 13, 4961.	1.3	20
41	Influence of the Internal Structure and Intermolecular Interactions on the Correlation between Structural (\hat{I}_{\pm}) and Secondary (\hat{I}^2 -JG) Relaxation below the Glass Transition Temperature in Neat Probucol and Its Binary Mixtures with Modified Saccharides. <i>Journal of Physical Chemistry B</i> , 2020, 124, 4821-4834.	1.2	5
42	Rheo-dielectric studies of the kinetics of shear-induced nematic alignment changes in itraconazole. <i>Journal of Molecular Liquids</i> , 2020, 302, 112494.	2.3	5
43	New paradigm of dielectric relaxation of sizable and rigid molecular glass formers. <i>Physical Review E</i> , 2020, 101, 010603.	0.8	9
44	The impact of various azole antifungals on the liquid crystalline ordering in itraconazole. <i>Journal of Molecular Liquids</i> , 2020, 307, 112959.	2.3	8
45	Dramatic slowing down of the conformational equilibrium in the silyl derivative of glucose in the vicinity of the glass transition temperature. <i>Soft Matter</i> , 2019, 15, 7429-7437.	1.2	1
46	Peculiar relaxation dynamics of propylene carbonate derivatives. <i>Journal of Chemical Physics</i> , 2019, 150, 044504.	1.2	10
47	How can we improve the physical stability of co-amorphous system containing flutamide and bicalutamide? The case of ternary amorphous solid dispersions. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 136, 104947.	1.9	22
48	Varying thermodynamic conditions as a new way to tune the molecular order in glassy itraconazole. <i>Journal of Molecular Liquids</i> , 2019, 286, 110920.	2.3	2
49	Studying structural and local dynamics in model H-bonded active ingredient – Curcumin in the supercooled and glassy states at various thermodynamic conditions. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 135, 38-50.	1.9	12
50	Physical Stability and Viscoelastic Properties of Co-Amorphous Ezetimibe/Simvastatin System. <i>Pharmaceuticals</i> , 2019, 12, 40.	1.7	18
51	Influence of Polymeric Additive on the Physical Stability and Viscoelastic Properties of Aripiprazole. <i>Molecular Pharmaceutics</i> , 2019, 16, 1742-1750.	2.3	16
52	Structural studies of carbons by neutron and x-ray scattering. <i>Reports on Progress in Physics</i> , 2019, 82, 016501.	8.1	15
53	Anhydrosaccharides – A new class of the fragile plastic crystals. <i>Journal of Chemical Physics</i> , 2018, 148, 074501.	1.2	9
54	Secondary relaxation in ultrastable etoricoxib: evidence of correlation with structural relaxation. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3939-3945.	1.3	19

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55	Paracrystalline structure of gold, silver, palladium and platinum nanoparticles. <i>Journal of Applied Crystallography</i> , 2018, 51, 411-419.	1.9	12
56	Evolution of glassy carbon under heat treatment: correlation structure–mechanical properties. <i>Journal of Materials Science</i> , 2018, 53, 3509-3523.	1.7	111
57	Structure of Carbon Materials Explored by Local Transmission Electron Microscopy and Global Powder Diffraction Probes. <i>Journal of Carbon Research</i> , 2018, 4, 68.	1.4	63
58	High-pressure dielectric studies on 1,6-anhydro- β -D-mannopyranose (plastic crystal) and 2,3,4-tri-O-acetyl-1,6-anhydro- β -D-glucopyranose (canonical glass). <i>Journal of Chemical Physics</i> , 2018, 148, 204510.	1.2	13
59	Studies on dynamics and isomerism in supercooled photochromic compound Aberchrome 670 with the use of different experimental techniques. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18009-18019.	1.3	3
60	Studying of crystal growth and overall crystallization of naproxen from binary mixtures. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 113, 75-87.	2.0	14
61	Modelling of glass-like carbon structure and its experimental verification by neutron and X-ray diffraction. <i>Journal of Applied Crystallography</i> , 2017, 50, 36-48.	1.9	46
62	Molecular Factors Governing the Liquid and Glassy States Recrystallization of Celecoxib in Binary Mixtures with Excipients of Different Molecular Weights. <i>Molecular Pharmaceutics</i> , 2017, 14, 1154-1168.	2.3	28
63	Studying the Crystallization of Various Polymorphic Forms of Nifedipine from Binary Mixtures with the Use of Different Experimental Techniques. <i>Molecular Pharmaceutics</i> , 2017, 14, 2116-2125.	2.3	16
64	Crystallization of supercooled fenofibrate studied at ambient and elevated pressures. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 9879-9888.	1.3	19
65	The atomic scale structure of dahlia-like single wall carbon nanohorns produced by direct vaporization of graphite. <i>Diamond and Related Materials</i> , 2017, 72, 26-31.	1.8	6
66	The dielectric signature of glass density. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	12
67	A New Method To Identify Physically Stable Concentration of Amorphous Solid Dispersions (I): Case of Flutamide + Kollidon VA64. <i>Molecular Pharmaceutics</i> , 2017, 14, 3370-3380.	2.3	40
68	Interplay between the static ordering and dynamical heterogeneities determining the dynamics of rotation and ordinary liquid phases in 1,6-anhydro- β -D-glucose. <i>Scientific Reports</i> , 2017, 7, 42103.	1.6	9
69	Atorvastatin as a Promising Crystallization Inhibitor of Amorphous Probucol: Dielectric Studies at Ambient and Elevated Pressure. <i>Molecular Pharmaceutics</i> , 2017, 14, 2670-2680.	2.3	31
70	Characteristics of multiwalled carbon nanotubes-rhenium nanocomposites with varied rhenium mass fractions. <i>Nanomaterials and Nanotechnology</i> , 2017, 7, 184798041770717.	1.2	14
71	Paracrystalline Structure of Glass-Like Carbons. <i>International Journal of Applied Glass Science</i> , 2016, 7, 355-363.	1.0	9
72	High pressure dielectric studies on the structural and orientational glass. <i>Journal of Chemical Physics</i> , 2016, 144, 054503.	1.2	25

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73	The atomic scale structure of glass-like carbon obtained from fullerene extract via spark plasma sintering. Carbon, 2016, 110, 172-179.	5.4	6
74	Stabilization of the Amorphous Ezetimibe Drug by Confining Its Dimension. Molecular Pharmaceutics, 2016, 13, 1308-1316.	2.3	43
75	TRIBOLOGICAL CHARACTERISTICS OF CARBON MATERIALS SUBJECTED TO ANNEALING INTENDED FOR USE IN HEART VALVES. Tribologia, 2016, 267, 49-60.	0.0	0
76	Studying the Impact of Modified Saccharides on the Molecular Dynamics and Crystallization Tendencies of Model API Nifedipine. Molecular Pharmaceutics, 2015, 12, 3007-3019.	2.3	30
77	Toward a Better Understanding of the Physical Stability of Amorphous Anti-Inflammatory Agents: The Roles of Molecular Mobility and Molecular Interaction Patterns. Molecular Pharmaceutics, 2015, 12, 3628-3638.	2.3	36
78	Conversion of Natural Tannin to Hydrothermal and Graphene-Like Carbons Studied by Wide-Angle X-ray Scattering. Journal of Physical Chemistry A, 2015, 119, 8692-8701.	1.1	22
79	Molecular Dynamics and Physical Stability of Coamorphous Ezetimib and Indapamide Mixtures. Molecular Pharmaceutics, 2015, 12, 3610-3619.	2.3	78