Karolina Jurkiewicz

List of Publications by Year
in descending order

79	1,120	430754 18	477173 29
papers	citations	h-index	g-index

80	80	80	1065
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evolution of glassy carbon under heat treatment: correlation structureâ€“mechanical properties. Journal of Materials Science, 2018, 53, 3509-3523.	1.7	111
2	Molecular Dynamics and Physical Stability of Coamorphous Ezetimib and Indapamide Mixtures. Molecular Pharmaceutics, 2015, 12, 3610-3619.	2.3	78
3	Structure of Carbon Materials Explored by Local Transmission Electron Microscopy and Global Powder Diffraction Probes. Journal of Carbon Research, 2018, 4, 68.	1.4	63
4	Modelling of glass-like carbon structure and its experimental verification by neutron and X-ray diffraction. Journal of Applied Crystallography, 2017, 50, 36-48.	1.9	46
5	Stabilization of the Amorphous Ezetimibe Drug by Confining Its Dimension. Molecular Pharmaceutics, 2016, 13, 1308-1316.	2.3	43
6	A New Method To Identify Physically Stable Concentration of Amorphous Solid Dispersions (I): Case of Flutamide + Kollidon VA64. Molecular Pharmaceutics, 2017, 14, 3370-3380.	2.3	40
7	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
8	Atorvastatin as a Promising Crystallization Inhibitor of Amorphous Probucol: Dielectric Studies at Ambient and Elevated Pressure. Molecular Pharmaceutics, 2017, 14, 2670-2680.	2.3	31
9	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
10	Molecular Factors Governing the Liquid and Glassy States Recrystallization of Celecoxib in Binary Mixtures with Excipients of Different Molecular Weights. Molecular Pharmaceutics, 2017, 14, 1154-1168.	2.3	28
11	High pressure dielectric studies on the structural and orientational glass. Journal of Chemical Physics, 2016, 144, 054503.	1.2	25
12	Phenyl Ring: A Steric Hindrance or a Source of Different Hydrogen Bonding Patterns in Self-Organizing Systems?. Journal of Physical Chemistry Letters, 2021, 12, 2142-2147.	2.1	23
13	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
14	How can we improve the physical stability of co-amorphous system containing flutamide and bicalutamide? The case of ternary amorphous solid dispersions. European Journal of Pharmaceutical Sciences, 2019, 136, 104947.	1.9	22
15	Interplay between structural static and dynamical parameters as a key factor to understand peculiar behaviour of associated liquids. Journal of Molecular Liquids, 2020, 319, 114084.	2.3	21
16	Multivariate Design of 3D Printed Immediate-Release Tablets with Liquid Crystal-Forming Drugâ€”Itraconazole. Materials, 2020, 13, 4961.	1.3	20
17	Crystallization of supercooled fenofibrate studied at ambient and elevated pressures. Physical Chemistry Chemical Physics, 2017, 19, 9879-9888.	1.3	19
18	Secondary relaxation in ultrastable etoricoxib: evidence of correlation with structural relaxation. Physical Chemistry Chemical Physics, 2018, 20, 3939-3945.	1.3	19

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19	Physical Stability and Viscoelastic Properties of Co-Amorphous Ezetimibe/Simvastatin System. Pharmaceuticals, 2019, 12, 40.	1.7	18
20	Studying the Crystallization of Various Polymorphic Forms of Nifedipine from Binary Mixtures with the Use of Different Experimental Techniques. Molecular Pharmaceutics, 2017, 14, 2116-2125.	2.3	16
21	Influence of Polymeric Additive on the Physical Stability and Viscoelastic Properties of Aripiprazole. Molecular Pharmaceutics, 2019, 16, 1742-1750.	2.3	16
22	Structural studies of carbons by neutron and x-ray scattering. Reports on Progress in Physics, 2019, 82, 016501.	8.1	15
23	Studying of crystal growth and overall crystallization of naproxen from binary mixtures. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 113, 75-87.	2.0	14
24	Characteristics of multiwalled carbon nanotubes-rhenium nanocomposites with varied rhenium mass fractions. Nanomaterials and Nanotechnology, 2017, 7, 184798041770717.	1.2	14
25	High-pressure dielectric studies on 1,6-anhydro-Î²-D-mannopyranose (plastic crystal) and 2,3,4-tri-O-acetyl-1,6-anhydro-Î²-D-glucopyranose (canonical glass). Journal of Chemical Physics, 2018, 148, 204510.	1.2	13
26	The structure of gold nanoparticles: molecular dynamics modeling and its verification by X-ray diffraction. Journal of Applied Crystallography, 2020, 53, 1-8.	1.9	13
27	The dielectric signature of glass density. Applied Physics Letters, 2017, 111, .	1.5	12
28	Paracrystalline structure of gold, silver, palladium and platinum nanoparticles. Journal of Applied Crystallography, 2018, 51, 411-419.	1.9	12
29	Studying structural and local dynamics in model H-bonded active ingredient â€" Curcumin in the supercooled and glassy states at various thermodynamic conditions. European Journal of Pharmaceutical Sciences, 2019, 135, 38-50.	1.9	12
30	Relationship between Nanoscale Supramolecular Structure, Effectiveness of Hydrogen Bonds, and Appearance of Debye Process. Journal of Physical Chemistry C, 2020, 124, 2672-2679.	1.5	12
31	Influence of molecular geometry on the formation, architecture and dynamics of H-bonded supramolecular associates in 1-phenyl alcohols. Journal of Molecular Liquids, 2021, 326, 115349.	2.3	11
32	Peculiar relaxation dynamics of propylene carbonate derivatives. Journal of Chemical Physics, 2019, 150, 044504.	1.2	10
33	Studies on the internal medium-range ordering and high pressure dynamics in modified ibuprofens. Physical Chemistry Chemical Physics, 2020, 22, 295-305.	1.3	10
34	Correlation between Locally Ordered (Hydrogen-Bonded) Nanodomains and Puzzling Dynamics of Polymethysiloxane Derivative. Macromolecules, 2020, 53, 10225-10233.	2.2	10
35	How to Obtain the Maximum Properties Flexibility of 3D Printed Ketoprofen Tablets Using Only One Drug-Loaded Filament?. Molecules, 2021, 26, 3106.	1.7	10
36	Molecular stiffness and aromatic ring position â€" Crucial structural factors in the self-assembly processes of phenyl alcohols. Journal of Molecular Liquids, 2021, 335, 116426.	2.3	10

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37	Paracrystalline Structure of Glassâ€Like Carbons. International Journal of Applied Glass Science, 2016, 7, 355-363.	1.0	9
38	Interplay between the static ordering and dynamical heterogeneities determining the dynamics of rotation and ordinary liquid phases in 1,6-anhydro-Î²-D-glucose. Scientific Reports, 2017, 7, 42103.	1.6	9
39	Anhydrosaccharidesâ€"A new class of the fragile plastic crystals. Journal of Chemical Physics, 2018, 148, 074501.	1.2	9
40	New paradigm of dielectric relaxation of sizable and rigid molecular glass formers. Physical Review E, 2020, 101, 010603.	0.8	9
41	Synthetic strategy matters: The study of a different kind of PVP as micellar vehicles of metronidazole. Journal of Molecular Liquids, 2021, 332, 115789.	2.3	9
42	The Impact of the Length of Alkyl Chain on the Behavior of Benzyl Alcohol Homologous. The Interplay Between Dispersive and Hydrogen Bond Interactions. Physical Chemistry Chemical Physics, 2021, 23, 23796-23807.	1.3	9
43	Fused Deposition Modeling as a Possible Approach for the Preparation of Orodispersible Tablets. Pharmaceuticals, 2022, 15, 69.	1.7	9
44	Molecular dynamics, viscoelastic properties and physical stability studies of a new amorphous dihydropyridine derivative with T-type calcium channel blocking activity. European Journal of Pharmaceutical Sciences, 2020, 141, 105083.	1.9	8
45	The impact of various azole antifungals on the liquid crystalline ordering in itraconazole. Journal of Molecular Liquids, 2020, 307, 112959.	2.3	8
46	Broadband Dielectric Study of Sizable Molecular Glass Formers: Relationship Between Local Structure and Dynamics. Journal of Physical Chemistry Letters, 2021, 12, 245-249.	2.1	7
47	High pressure aging studies on the low-molecular weight glass-forming pharmaceutical â€“ Probucol. Journal of Molecular Liquids, 2021, 321, 114626.	2.3	7
48	Anormal Thermal History Effect on the Structural Dynamics of Probucol Infiltrated into Porous Alumina. Journal of Physical Chemistry C, 2021, 125, 3901-3912.	1.5	7
49	Ternary Eutectic Ezetimibeâ€“Simvastatinâ€“Fenofibrate System and the Physical Stability of Its Amorphous Form. Molecular Pharmaceutics, 2021, 18, 3588-3600.	2.3	7
50	The atomic scale structure of glass-like carbon obtained from fullerene extract via spark plasma sintering. Carbon, 2016, 110, 172-179.	5.4	6
51	The atomic scale structure of dahlia-like single wall carbon nanohorns produced by direct vaporization of graphite. Diamond and Related Materials, 2017, 72, 26-31.	1.8	6
52	Does the molecular mobility and flexibility of the saccharide ring affect the glass-forming ability of naproxen in binary mixtures?. European Journal of Pharmaceutical Sciences, 2020, 141, 105091.	1.9	6
53	Influence of High Pressure on the Local Order and Dynamical Properties of the Selected Azole Antifungals. Journal of Physical Chemistry B, 2020, 124, 11949-11961.	1.2	6
54	Local structure and molecular dynamics of highly polar propylene carbonate derivative infiltrated within alumina and silica porous templates. Journal of Chemical Physics, 2021, 154, 064701.	1.2	6

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55	Anomalous narrowing of the shape of the structural process in derivatives of trehalose at high pressure. The role of the internal structure. Journal of Molecular Liquids, 2021, 336, 116321.	2.3	6
56	Aromaticity effect on supramolecular aggregation. Aromatic vs. cyclic monohydroxy alcohols. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 276, 121235.	2.0	6
57	Supramolecular Structure of Phenyl Derivatives of Butanol Isomers. Journal of Physical Chemistry B, 2022, 126, 3563-3571.	1.2	6
58	Influence of the Internal Structure and Intermolecular Interactions on the Correlation between Structural (Î±) and Secondary (Î²-JG) Relaxation below the Glass Transition Temperature in Neat Probucol and Its Binary Mixtures with Modified Saccharides. Journal of Physical Chemistry B, 2020, 124, 4821-4834.	1.2	5
59	Rheo-dielectric studies of the kinetics of shear-induced nematic alignment changes in itraconazole. Journal of Molecular Liquids, 2020, 302, 112494.	2.3	5
60	Systematic studies on the dynamics, intermolecular interactions and local structure in the alkyl and phenyl substituted butanol isomers. Journal of Molecular Liquids, 2022, 346, 117098.	2.3	5
61	The dielectric response of phenothiazine-based glass-formers with different molecular complexity. Scientific Reports, 2021, 11, 15816.	1.6	5
62	The impact of chemical structure on the formation of the medium-range order and dynamical properties of selected antifungal APIs. Physical Chemistry Chemical Physics, 2020, 22, 28202-28212.	1.3	4
63	Thorough studies of tricyanomethanide-based ionic liquids â€“ the influence of alkyl chain length of the cation. Soft Matter, 2020, 16, 9479-9487.	1.2	4
64	Studies on dynamics and isomerism in supercooled photochromic compound Aberchrome 670 with the use of different experimental techniques. Physical Chemistry Chemical Physics, 2018, 20, 18009-18019.	1.3	3
65	Confinement of pyrrolidinium-based ionic liquids [CnMPyrr]+[Tf2N]â^' with long cationic alkyl side chains (nÂ=Â10 and 16) to nanoscale pores: Dielectric and calorimetric studies. Journal of Molecular Liquids, 2021, 324, 115115.	2.3	3
66	Simple Rules for Complex Near-Glass-Transition Phenomena in Medium-Sized Schiff Bases. International Journal of Molecular Sciences, 2022, 23, 5185.	1.8	3
67	Supramolecular structures of self-assembled oligomers under confinement. Soft Matter, 2022, 18, 4930-4936.	1.2	3
68	The impact of the size of acetylated cyclodextrin on the stability of amorphous metronidazole. International Journal of Pharmaceutics, 2022, 624, 122025.	2.6	3
69	Varying thermodynamic conditions as a new way to tune the molecular order in glassy itraconazole. Journal of Molecular Liquids, 2019, 286, 110920.	2.3	2
70	Structure of 1,6-anhydro-Î²-<scp>D</scp>-glucopyranose in plastic crystal, orientational glass, liquid and ordinary glass forms: molecular modeling and X-ray diffraction studies. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2021, 77, 138-149.	0.5	2
71	Impact of the Chain Length and Topology of the Acetylated Oligosaccharide on the Crystallization Tendency of Naproxen from Amorphous Binary Mixtures. Molecular Pharmaceutics, 2021, 18, 347-358.	2.3	2
72	Glass-forming Schiff bases: Peculiar self-organizing systems with bifurcated hydrogen bonds. Journal of Molecular Liquids, 2021, , 118052.	2.3	2

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73	Studies on the Vitrified and Cryomilled Bosentan. Molecular Pharmaceutics, 2022, 19, 80-90.	2.3	2
74	Variation in the local ordering, H-bonding pattern and molecular dynamics in the pressure densified ritonavir. Journal of Molecular Liquids, 2022, 351, 118666.	2.3	2
75	Dramatic slowing down of the conformational equilibrium in the silyl derivative of glucose in the vicinity of the glass transition temperature. Soft Matter, 2019, 15, 7429-7437.	1.2	1
76	The glass-like structure of ironâ€“nickel nanochains produced by the magnetic-field-induced reduction reaction with sodium borohydride. Physical Chemistry Chemical Physics, 2021, 24, 326-335.	1.3	1
77	Erratum to â€œHow can we improve the physical stability of co-amorphous system containing flutamide and bicalutamide? The case of ternary amorphous solid dispersionsâ€•[Eur. J. Pharmaceut. Sci. 136 (2019) 104947]. European Journal of Pharmaceutical Sciences, 2021, 159, 105696.	1.9	0
78	TRIBOLOGICAL CHARACTERISTICS OF CARBON MATERIALS SUBJECTED TO ANNEALING INTENDED FOR USE IN HEART VALVES. Tribologia, 2016, 267, 49-60.	0.0	0
79	Atomistic origin of nano-silver paracrystalline structure: molecular dynamics and x-ray diffraction studies. Journal of Physics Condensed Matter, 2022, 34, 375401.	0.7	0