

Justyna Knapik-Kowalczyk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8970045/publications.pdf>

Version: 2024-02-01

68
papers

1,569
citations

331538

21
h-index

345118

36
g-index

68
all docs

68
docs citations

68
times ranked

1687
citing authors

#	ARTICLE	IF	CITATIONS
1	3D printed orodispersible films with Aripiprazole. <i>International Journal of Pharmaceutics</i> , 2017, 533, 413-420.	2.6	182
2	Conductivity Mechanism in Polymerized Imidazolium-Based Protic Ionic Liquid [HSO ₃] ⁻ [OTf] ⁺ : Dielectric Relaxation Studies. <i>Macromolecules</i> , 2014, 47, 4056-4065.	2.2	81
3	Molecular Dynamics and Physical Stability of Coamorphous Ezetimib and Indapamide Mixtures. <i>Molecular Pharmaceutics</i> , 2015, 12, 3610-3619.	2.3	78
4	Physicochemical properties of tadalafil solid dispersions – Impact of polymer on the apparent solubility and dissolution rate of tadalafil. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 106-115.	2.0	67
5	Physical Stability of the Amorphous Anticholesterol Agent (Ezetimibe): The Role of Molecular Mobility. <i>Molecular Pharmaceutics</i> , 2014, 11, 4280-4290.	2.3	54
6	Effect of Pressure on Decoupling of Ionic Conductivity from Segmental Dynamics in Polymerized Ionic Liquids. <i>Macromolecules</i> , 2015, 48, 8660-8666.	2.2	48
7	Glass transition dynamics and conductivity scaling in ionic deep eutectic solvents: The case of (acetamide + lithium nitrate/sodium thiocyanate) melts. <i>Journal of Chemical Physics</i> , 2015, 142, 184504.	1.2	46
8	Stabilization of the Amorphous Ezetimibe Drug by Confining Its Dimension. <i>Molecular Pharmaceutics</i> , 2016, 13, 1308-1316.	2.3	43
9	Molecular Origin of Enhanced Proton Conductivity in Anhydrous Ionic Systems. <i>Journal of the American Chemical Society</i> , 2015, 137, 1157-1164.	6.6	41
10	Molecular Dynamics, Recrystallization Behavior, and Water Solubility of the Amorphous Anticancer Agent Bicalutamide and Its Polyvinylpyrrolidone Mixtures. <i>Molecular Pharmaceutics</i> , 2017, 14, 1071-1081.	2.3	41
11	Speed it up, slow it down – An issue of bicalutamide release from 3D printed tablets. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 143, 105169.	1.9	41
12	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
13	Molecular Dynamics and Physical Stability of Amorphous Nimesulide Drug and Its Binary Drug – Polymer Systems. <i>Molecular Pharmaceutics</i> , 2016, 13, 1937-1946.	2.3	37
14	Co-Stabilization of Amorphous Pharmaceuticals – The Case of Nifedipine and Nimodipine. <i>Molecular Pharmaceutics</i> , 2018, 15, 2455-2465.	2.3	37
15	Toward a Better Understanding of the Physical Stability of Amorphous Anti-Inflammatory Agents: The Roles of Molecular Mobility and Molecular Interaction Patterns. <i>Molecular Pharmaceutics</i> , 2015, 12, 3628-3638.	2.3	36
16	Planetary ball milling and supercritical fluid technology as a way to enhance dissolution of bicalutamide. <i>International Journal of Pharmaceutics</i> , 2017, 533, 470-479.	2.6	36
17	Revealing the Charge Transport Mechanism in Polymerized Ionic Liquids: Insight from High Pressure Conductivity Studies. <i>Chemistry of Materials</i> , 2017, 29, 8082-8092.	3.2	32
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Theoretical Model for the Structural Relaxation Time in Coamorphous Drugs. <i>Molecular Pharmaceutics</i> , 2019, 16, 2992-2998.	2.3	27
21	The Self-Assembly Phenomenon of Poloxamers and Its Effect on the Dissolution of a Poorly Soluble Drug from Solid Dispersions Obtained by Solvent Methods. <i>Pharmaceutics</i> , 2019, 11, 130.	2.0	25
22	The effect of electrostatic interactions on the formation of pharmaceutical eutectics. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27361-27367.	1.3	21
23	Broadband dielectric spectroscopy as an experimental alternative to calorimetric determination of the solubility of drugs into polymer matrix: Case of flutamide and various polymeric matrixes. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 136, 231-239.	2.0	21
24	Multivariate Design of 3D Printed Immediate-Release Tablets with Liquid Crystal-Forming Drug—itraconazole. <i>Materials</i> , 2020, 13, 4961.	1.3	20
25	Crystallization of supercooled fenofibrate studied at ambient and elevated pressures. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 9879-9888.	1.3	19
26	Changes in Physical Stability of Supercooled Etoricoxib after Compression. <i>Molecular Pharmaceutics</i> , 2018, 15, 3969-3978.	2.3	18
27	Physical Stability and Viscoelastic Properties of Co-Amorphous Ezetimibe/Simvastatin System. <i>Pharmaceutics</i> , 2019, 12, 40.	1.7	18
28	Synthesis, characterization and dielectric relaxation study of hyperbranched polymers with different molecular architecture. <i>Polymer</i> , 2016, 100, 227-237.	1.8	17
29	Dielectric Relaxation Study at Ambient and Elevated Pressure of the Modeled Lipophilic Drug Fenofibrate. <i>Journal of Physical Chemistry B</i> , 2016, 120, 11298-11306.	1.2	17
30	Enhanced dissolution of solid dispersions containing bicalutamide subjected to mechanical stress. <i>International Journal of Pharmaceutics</i> , 2018, 542, 18-26.	2.6	17
31	How is charge transport different in ionic liquids? The effect of high pressure. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14141-14147.	1.3	16
32	Effect of Cation n-Alkyl Side-Chain Length, Temperature, and Pressure on the Glass-Transition Dynamics and Crystallization Tendency of the [CnCl1Pyr]+[Tf2N] Ionic Liquid Family. <i>Journal of Physical Chemistry C</i> , 2019, , .	1.5	16
33	Influence of Polymeric Additive on the Physical Stability and Viscoelastic Properties of Aripiprazole. <i>Molecular Pharmaceutics</i> , 2019, 16, 1742-1750.	2.3	16
34	How Does the Addition of Kollidon®VA64 Inhibit the Recrystallization and Improve Ezetimibe Dissolution from Amorphous Solid Dispersions?. <i>Pharmaceutics</i> , 2021, 13, 147.	2.0	16
35	Amorphous Protic Ionic Systems as Promising Active Pharmaceutical Ingredients: The Case of the Sumatriptan Succinate Drug. <i>Molecular Pharmaceutics</i> , 2016, 13, 1111-1122.	2.3	15
36	Experimental evidence of high pressure decoupling between charge transport and structural dynamics in a protic ionic glass-former. <i>Scientific Reports</i> , 2017, 7, 7084.	1.6	15

#	ARTICLE	IF	CITATIONS
37	Can Storage Time Improve the Physical Stability of Amorphous Pharmaceuticals with Tautomerization Ability Exposed to Compression? The Case of a Chloramphenicol Drug. <i>Molecular Pharmaceutics</i> , 2018, 15, 1928-1940.	2.3	15
38	Enhanced pharmacological efficacy of sumatriptan due to modification of its physicochemical properties by inclusion in selected cyclodextrins. <i>Scientific Reports</i> , 2018, 8, 16184.	1.6	15
39	Molecular Disorder of Bicalutamide Amorphous Solid Dispersions Obtained by Solvent Methods. <i>Pharmaceutics</i> , 2018, 10, 194.	2.0	15
40	On the molecular origin of secondary relaxations in amorphous protic ionic conductor chlorpromazine hydrochloride High pressure dielectric studies. <i>Journal of Non-Crystalline Solids</i> , 2015, 407, 81-87.	1.5	14
41	Glass Transition Dynamics and Physical Stability of Amorphous Griseofulvin in Binary Mixtures with Low- T_g Excipients. <i>Molecular Pharmaceutics</i> , 2019, 16, 3626-3635.	2.3	14
42	Compression-Induced Phase Transitions of Bicalutamide. <i>Pharmaceutics</i> , 2020, 12, 438.	2.0	13
43	Importance of Mesoporous Silica Particle Size in the Stabilization of Amorphous Pharmaceuticals The Case of Simvastatin. <i>Pharmaceutics</i> , 2020, 12, 384.	2.0	13
44	Molecular relaxations in supercooled liquid and glassy states of amorphous gambogic acid: Dielectric spectroscopy, calorimetry, and theoretical approach. <i>AIP Advances</i> , 2020, 10, .	0.6	13
45	The dielectric signature of glass density. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	12
46	How does the high pressure affects the solubility of the drug within the polymer matrix in solid dispersion systems. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 143, 8-17.	2.0	11
47	Essential meaning of high pressure measurements in discerning the properties of monohydroxy alcohols with a single phenyl group. <i>Journal of Molecular Liquids</i> , 2020, 305, 112863.	2.3	11
48	Current research trends in dielectric relaxation studies of amorphous pharmaceuticals: Physical stability, tautomerism, and the role of hydrogen bonding. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 134, 116097.	5.8	11
49	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
50	Molecular Dynamics and Physical Stability of Ibuprofen in Binary Mixtures with an Acetylated Derivative of Maltose. <i>Molecular Pharmaceutics</i> , 2020, 17, 3087-3105.	2.3	9
51	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
52	Enhancement of the Physical Stability of Amorphous Sildenafil in a Binary Mixture, with either a Plasticizing or Antiplasticizing Compound. <i>Pharmaceutics</i> , 2020, 12, 460.	2.0	8
53	New insight into relaxation dynamics of an epoxy/hydroxy functionalized polybutadiene from dielectric and mechanical spectroscopy studies. <i>Colloid and Polymer Science</i> , 2014, 292, 1853-1862.	1.0	7
54	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

#	ARTICLE	IF	CITATIONS
55	Dynamic Properties of Glass-Formers Governed by the Frequency Dispersion of the Structural β -Relaxation: Examples from Prilocaine. <i>Journal of Physical Chemistry B</i> , 2015, 119, 12699-12707.	1.2	6
56	New limits of secondary β -relaxation. <i>Scientific Reports</i> , 2017, 7, 43091.	1.6	6
57	Effect of electrostatic interactions on the relaxation dynamics of pharmaceutical eutectics. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 134, 93-101.	1.9	6
58	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
59	Tabletting solid dispersions of bicalutamide prepared using ball-milling or supercritical carbon dioxide: the interrelationship between phase transition and <i>in-vitro</i> dissolution. <i>Pharmaceutical Development and Technology</i> , 2020, 25, 1109-1117.	1.1	4
60	Pressure-assisted solvent- and catalyst-free production of well-defined poly(1-vinyl-2-pyrrolidone) for biomedical applications. <i>RSC Advances</i> , 2020, 10, 21593-21601.	1.7	4
61	High-Pressure Dielectric Studies—a Way to Experimentally Determine the Solubility of a Drug in the Polymer Matrix at Low Temperatures. <i>Molecular Pharmaceutics</i> , 2021, 18, 3050-3062.	2.3	4
62	The effect of high-pressure on organocatalyzed ROP of β -butyrolactone. <i>Polymer</i> , 2021, 233, 124166.	1.8	4
63	Broadband-dielectric-spectroscopy study of molecular dynamics in a mixture of itraconazole and glycerol in glassy, smectic- A and isotropic phases. <i>Physical Review E</i> , 2021, 104, 034702.	0.8	3
64	Inhibition of celecoxib crystallization by mesoporous silica — Molecular dynamics studies leading to the discovery of the stabilization origin. <i>European Journal of Pharmaceutical Sciences</i> , 2022, 171, 106132.	1.9	3
65	How Does the CO ₂ in Supercritical State Affect the Properties of Drug-Polymer Systems, Dissolution Performance and Characteristics of Tablets Containing Bicalutamide?. <i>Materials</i> , 2020, 13, 2848.	1.3	2
66	Isochronal Conditions—The Key To Maintain the Given Solubility Limit, of a Small Molecule within the Polymer Matrix, at Elevated Pressure. <i>Molecular Pharmaceutics</i> , 2020, 17, 3730-3739.	2.3	2
67	Crystallization of Amorphous Pharmaceuticals at Ambient and Elevated Pressure Conditions. <i>Advances in Dielectrics</i> , 2020, , 55-87.	1.2	1
68	How Does Long-Term Storage Influence the Physical Stability and Dissolution of Bicalutamide from Solid Dispersions and Minitablets?. <i>Processes</i> , 2022, 10, 1002.	1.3	0