

# Evgenyi Shalaev

## List of Publications by Year in descending order

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23  
papers

659  
citations

840776

11  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

724  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of lyoprotectors on protein-protein separation in the solid state: Neutron- and X-ray-scattering investigation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130101.	2.4	2
2	Water Distribution on Protein Surface of the Lyophilized Proteins With Different Topography Studied by Molecular Dynamics Simulations. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 2299-2311.	3.3	0
3	Water structure in glycerol: Spectroscopic and computer simulation investigation of hydrogen bonding and water clustering. <i>Journal of Molecular Liquids</i> , 2022, 355, 118916.	4.9	8
4	Interfacial Stress and Proteins Prepared in the Solid State. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2021, , 271-287.	0.6	2
5	Phase Behavior of Poloxamer 188 Aqueous Solutions at Subzero Temperatures: A Neutron and X-ray Scattering Study. <i>Journal of Physical Chemistry B</i> , 2021, 125, 1476-1486.	2.6	8
6	Mannitol Crystallization at Sub-Zero Temperatures: Time/Temperature-Resolved Synchrotron X-ray Diffraction Study and the Phase Diagram. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1453-1460.	4.6	8
7	Phase behavior of poloxamer 188 in frozen aqueous solutions – Influence of processing conditions and cosolutes. <i>International Journal of Pharmaceutics</i> , 2021, 609, 121145.	5.2	6
8	Freezing of Biologicals Revisited: Scale, Stability, Excipients, and Degradation Stresses. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 44-61.	3.3	70
9	Water Distribution and Clustering on the Lyophilized IgG1 Surface: Insight from Molecular Dynamics Simulations. <i>Molecular Pharmaceutics</i> , 2020, 17, 900-908.	4.6	6
10	Dynamical in-situ observation of the lyophilization and vacuum-drying processes of a model biopharmaceutical system by an environmental scanning electron microscope. <i>International Journal of Pharmaceutics</i> , 2020, 585, 119448.	5.2	9
11	Protein/Ice Interaction: High-Resolution Synchrotron X-ray Diffraction Differentiates Pharmaceutical Proteins from Lysozyme. <i>Journal of Physical Chemistry B</i> , 2019, 123, 5690-5699.	2.6	22
12	Interfacial Stress in the Development of Biologics: Fundamental Understanding, Current Practice, and Future Perspective. <i>AAPS Journal</i> , 2019, 21, 44.	4.4	96
13	Pharmaceutical Development of AAV-Based Gene Therapy Products for the Eye. <i>Pharmaceutical Research</i> , 2019, 36, 29.	3.5	146
14	Freezing of Aqueous Solutions and Chemical Stability of Amorphous Pharmaceuticals: Water Clusters Hypothesis. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 36-49.	3.3	18
15	Effect of Water on the Chemical Stability of Amorphous Pharmaceuticals: 2. Deamidation of Peptides and Proteins. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 42-56.	3.3	15
16	Process Analytical Technology in Freeze-Drying: Detection of the Secondary Solute + Water Crystallization with Heat Flux Sensors. <i>AAPS PharmSciTech</i> , 2018, 19, 1477-1482.	3.3	7
17	Combination of acoustic levitation with small angle scattering techniques and synchrotron radiation circular dichroism. Application to the study of protein solutions. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 3693-3699.	2.4	17
18	Recommended Best Practices for Process Monitoring Instrumentation in Pharmaceutical Freeze Drying – 2017. <i>AAPS PharmSciTech</i> , 2017, 18, 2379-2393.	3.3	72

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19	Ice Recrystallization in a Solution of a Cryoprotector and Its Inhibition by a Protein: Synchrotron X-Ray Diffraction Study. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 2129-2138.	3.3	19
20	Effect of Water on the Chemical Stability of Amorphous Pharmaceuticals: I. Small Molecules. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 1139-1154.	3.3	45
21	â€œpH Swingâ€ in Frozen Solutionsâ€ Consequence of Sequential Crystallization of Buffer Components. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 265-268.	4.6	54
22	The Effect of Bulking Agents on the Chemical Stability of Acid-Sensitive Compounds in Freeze-Dried Formulations: Sucrose Inversion Study. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 3387-3396.	3.3	12
23	Solid-Liquid state diagrams in pharmaceutical lyophilisation: Crystallization of solutes. , 0, , 200-215.		17