Prakash Sundaramurthi

List of Publications by Year
in descending order

15	473	687220 13	996849 15
papers	citations	h-index	g-index

15	15	15	344
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Trehalose Crystallization During Freeze-Drying: Implications On Lyoprotection. Journal of Physical Chemistry Letters, 2010, 1, 510-514.	2.1	70
2	â€œpH Swingâ€•in Frozen Solutionsâ€”Consequence of Sequential Crystallization of Buffer Components. Journal of Physical Chemistry Letters, 2010, 1, 265-268.	2.1	54
3	Glycine Crystallization in Frozen and Freeze-dried Systems: Effect of pH and Buffer Concentration. Pharmaceutical Research, 2007, 24, 593-604.	1.7	53
4	Crystallization of Trehalose in Frozen Solutions and its Phase Behavior during Drying. Pharmaceutical Research, 2010, 27, 2374-2383.	1.7	53
5	Influence of Crystallizing and Non-crystallizing Cosolutes on Trehalose Crystallization During Freeze-Drying. Pharmaceutical Research, 2010, 27, 2384-2393.	1.7	45
6	Calorimetric and Diffractometric Evidence for the Sequential Crystallization of Buffer Components and the Consequential pH Swing in Frozen Solutions. Journal of Physical Chemistry B, 2010, 114, 4915-4923.	1.2	34
7	The Effect of Crystallizing and Non-crystallizing Cosolutes on Succinate Buffer Crystallization and the Consequent pH Shift in Frozen Solutions. Pharmaceutical Research, 2011, 28, 374-385.	1.7	33
8	Phase Transitions in Frozen Systems and During Freezeâ€“Drying: Quantification Using Synchrotron X-Ray Diffractometry. Pharmaceutical Research, 2009, 26, 1596-1606.	1.7	23
9	Thermophysical Properties of Carboxylic and Amino Acid Buffers at Subzero Temperatures: Relevance to Frozen State Stabilization. Journal of Physical Chemistry B, 2011, 115, 7154-7164.	1.2	23
10	Calorimetry and complementary techniques to characterize frozen and freeze-dried systems. Advanced Drug Delivery Reviews, 2012, 64, 384-395.	6.6	22
11	Predicting the Crystallization Propensity of Carboxylic Acid Buffers in Frozen Systemsâ€”Relevance to Freeze-Drying. Journal of Pharmaceutical Sciences, 2011, 100, 1288-1293.	1.6	16
12	Bioavailability Enhancement of Poorly Water Soluble and Weakly Acidic New Chemical Entity with 2-Hydroxy Propyl-Î²-Cyclodextrin: Selection of Meglumine, a Polyhydroxy Base, as a Novel Ternary Component. Pharmaceutical Development and Technology, 2006, 11, 443-451.	1.1	15
13	Azithromycin Hydratesâ€”Implications of Processingâ€Induced Phase Transformations. Journal of Pharmaceutical Sciences, 2014, 103, 3095-3106.	1.6	13
14	Physicochemical stability of pembrolizumab admixture solution in normal saline intravenous infusion bag. Journal of Oncology Pharmacy Practice, 2020, 26, 641-646.	0.5	11
15	Physical Characterization of Pentamidine Isethionate during Freeze-Dryingâ€”Relevance to development of Stable Lyophilized Product. Journal of Pharmaceutical Sciences, 2012, 101, 1732-1743.	1.6	8