

Sandeep Yadav

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

2,291
citations

304743

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docs citations

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times ranked

1307
citing authors

#	ARTICLE	IF	CITATIONS
1	Weak Interactions Govern the Viscosity of Concentrated Antibody Solutions: High-Throughput Analysis Using the Diffusion Interaction Parameter. <i>Biophysical Journal</i> , 2012, 103, 69-78.	0.5	276
2	The Influence of Charge Distribution on Self-Association and Viscosity Behavior of Monoclonal Antibody Solutions. <i>Molecular Pharmaceutics</i> , 2012, 9, 791-802.	4.6	226
3	Specific interactions in high concentration antibody solutions resulting in high viscosity. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 1152-1168.	3.3	216
4	Factors Affecting the Viscosity in High Concentration Solutions of Different Monoclonal Antibodies. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 4812-4829.	3.3	200
5	Viscosity Behavior of High-Concentration Monoclonal Antibody Solutions: Correlation with Interaction Parameter and Electroviscous Effects. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 998-1011.	3.3	143
6	Monoclonal Antibody Self-Association, Cluster Formation, and Rheology at High Concentrations. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6373-6384.	2.6	135
7	Establishing a Link Between Amino Acid Sequences and Self-Associating and Viscoelastic Behavior of Two Closely Related Monoclonal Antibodies. <i>Pharmaceutical Research</i> , 2011, 28, 1750-1764.	3.5	108
8	Polysorbate 20 Degradation in Biopharmaceutical Formulations: Quantification of Free Fatty Acids, Characterization of Particulates, and Insights into the Degradation Mechanism. <i>Molecular Pharmaceutics</i> , 2015, 12, 3805-3815.	4.6	108
9	Viscosity Analysis of High Concentration Bovine Serum Albumin Aqueous Solutions. <i>Pharmaceutical Research</i> , 2011, 28, 1973-1983.	3.5	106
10	Understanding Particle Formation: Solubility of Free Fatty Acids as Polysorbate 20 Degradation Byproducts in Therapeutic Monoclonal Antibody Formulations. <i>Molecular Pharmaceutics</i> , 2015, 12, 3792-3804.	4.6	84
11	Considerations for the Use of Polysorbates in Biopharmaceuticals. <i>Pharmaceutical Research</i> , 2018, 35, 148.	3.5	82
12	The Role of Amino Acid Sequence in the Self-Association of Therapeutic Monoclonal Antibodies: Insights from Coarse-Grained Modeling. <i>Journal of Physical Chemistry B</i> , 2013, 117, 1269-1279.	2.6	76
13	Comparison of Binding Characteristics and In Vitro Activities of Three Inhibitors of Vascular Endothelial Growth Factor A. <i>Molecular Pharmaceutics</i> , 2014, 11, 3421-3430.	4.6	73
14	Use of dynamic light scattering to determine second virial coefficient in a semidilute concentration regime. <i>Analytical Biochemistry</i> , 2011, 411, 292-296.	2.4	72
15	Dipole-Dipole Interaction in Antibody Solutions: Correlation with Viscosity Behavior at High Concentration. <i>Pharmaceutical Research</i> , 2014, 31, 2549-2558.	3.5	55
16	Solubility Challenges in High Concentration Monoclonal Antibody Formulations: Relationship with Amino Acid Sequence and Intermolecular Interactions. <i>Molecular Pharmaceutics</i> , 2015, 12, 3896-3907.	4.6	53
17	Compatibility and Stability of Pertuzumab and Trastuzumab Admixtures in i.v. Infusion Bags for Coadministration. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 794-812.	3.3	51
18	Degradation Mechanisms of Polysorbate 20 Differentiated by 18O-labeling and Mass Spectrometry. <i>Pharmaceutical Research</i> , 2017, 34, 84-100.	3.5	48

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19	Dual Effect of Histidine on Polysorbate 20 Stability: Mechanistic Studies. <i>Pharmaceutical Research</i> , 2018, 35, 33.	3.5	31
20	The Effect of Low Ionic Strength on Diffusion and Viscosity of Monoclonal Antibodies. <i>Molecular Pharmaceutics</i> , 2018, 15, 3133-3142.	4.6	27
21	Novel markers to track oxidative polysorbate degradation in pharmaceutical formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 157, 201-207.	2.8	25
22	Evaluation of Super Refined Polysorbate 20 With Respect to Polysorbate Degradation, Particle Formation and Protein Stability. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 2986-2995.	3.3	22
23	Analytical Ultracentrifugation and Its Role in Development and Research of Therapeutic Proteins. <i>Methods in Enzymology</i> , 2015, 562, 441-476.	1.0	20
24	Assessment and significance of protein-protein interactions during development of protein biopharmaceuticals. <i>Biophysical Reviews</i> , 2013, 5, 121-136.	3.2	16
25	Evaluating a Modified High Purity Polysorbate 20 Designed to Reduce the Risk of Free Fatty Acid Particle Formation. <i>Pharmaceutical Research</i> , 2021, 38, 1563-1583.	3.5	14
26	Determination of the dipole moments of RNase SA wild type and a basic mutant. <i>Proteins: Structure, Function and Bioinformatics</i> , 2012, 80, 1041-1052.	2.6	8
27	Effect of Aggregation on the Hydrodynamic Properties of Bovine Serum Albumin. <i>Pharmaceutical Research</i> , 2017, 34, 2250-2259.	3.5	8
28	Challenges in Determining Intrinsic Viscosity Under Low Ionic Strength Solution Conditions. <i>Pharmaceutical Research</i> , 2017, 34, 836-846.	3.5	6
29	Biophysical Analysis in Support of Development of Protein Pharmaceutics. , 2013, , 173-204.		2