Alain Pluen

List of Publications by Year in descending order

35 papers	3,715 citations	535685 17 h-index	445137 33 g-index
36 all docs	36 docs citations	36 times ranked	6517 citing authors

#	Article	IF	Citations
1	Cluster Percolation Causes Shear Thinning Behavior in Concentrated Solutions of Monoclonal Antibodies. Molecular Pharmaceutics, 2021, 18, 2669-2682.	2.3	9
2	Evaluation of Temporal Aggregation Processes Using Spatial Intensity Distribution Analysis. Methods in Molecular Biology, 2019, 2039, 141-155.	0.4	1
3	Arginine to Lysine Mutations Increase the Aggregation Stability of a Single-Chain Variable Fragment through Unfolded-State Interactions. Biochemistry, 2019, 58, 3413-3421.	1.2	24
4	Determination of Proteinâ€“Protein Interactions in a Mixture of Two Monoclonal Antibodies. Molecular Pharmaceutics, 2019, 16, 4775-4786.	2.3	17
5	Impact of a Heat Shock Protein Impurity on the Immunogenicity of Biotherapeutic Monoclonal Antibodies. Pharmaceutical Research, 2019, 36, 51.	1.7	14
6	Dual-action CXCR4-targeting liposomes in leukemia: function blocking and drug delivery. Blood Advances, 2019, 3, 2069-2081.	2.5	17
7	Solvation of Pristine Graphene Using Amino Acids: A Molecular Simulation and Experimental Analysis. Journal of Physical Chemistry C, 2019, 123, 30234-30244.	1.5	7
8	Evaluation of aggregate and silicone-oil counts in pre-filled siliconized syringes: An orthogonal study characterising the entire subvisible size range. International Journal of Pharmaceutics, 2017, 519, 58-66.	2.6	16
9	The effect of charge mutations on the stability and aggregation of a human single chain Fv fragment. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 115, 18-30.	2.0	43
10	Graphene in therapeutics delivery: Problems, solutions and future opportunities. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 104, 235-250.	2.0	197
11	Characterisation of Stress-Induced Aggregate Size Distributions and Morphological Changes of a Bi-Specific Antibody Using Orthogonal Techniques. Journal of Pharmaceutical Sciences, 2015, 104, 2473-2481.	1.6	13
12	On the Cellular Uptake and Membrane Effect of the Multifunctional Peptide, TatLK15. Journal of Pharmaceutical Sciences, 2014, 103, 293-304.	1.6	5
13	Real-time evaluation of aggregation using confocal imaging and image analysis tools. Analyst, The, 2014, 139, 564-568.	1.7	4
14	Monitoring the kinetics of CellTraceâ„¢ calcein red-orange AM intracellular accumulation with spatial intensity distribution analysis. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 2914-2923.	1.1	7
15	Quantitative Assessment of P-Glycoprotein Expression and Function Using Confocal Image Analysis. Microscopy and Microanalysis, 2014, 20, 1329-1339.	0.2	6
16	Proteins behaving badly: emerging technologies in profiling biopharmaceutical aggregation. Trends in Biotechnology, 2013, 31, 448-458.	4.9	69
17	Raster Image Correlation Spectroscopy As a Novel Tool for the Quantitative Assessment of Protein Diffusional Behaviour in Solution. Journal of Pharmaceutical Sciences, 2012, 101, 2082-2093.	1.6	13
18	On Some Aspects of the Thermodynamic of Membrane Recycling Mediated by Fluid Phase Endocytosis: Evaluation of Published Data and Perspectives. Cell Biochemistry and Biophysics, 2010, 56, 73-90.	0.9	13

#	Article	IF	Citations
19	Improved Tat-mediated plasmid DNA transfer by fusion to LK15 peptide. Journal of Controlled Release, 2010, 143, 233-242.	4.8	47
20	Delivery of therapeutic shRNA and siRNA by Tat fusion peptide targeting bcrâ€“abl fusion gene in Chronic Myeloid Leukemia cells. Journal of Controlled Release, 2010, 145, 272-280.	4.8	69
21	YOYO as a Dye to Track Penetration of LK15 DNA Complexes in Spheroids: Use and Limits. Journal of Fluorescence, 2008, 18, 155-161.	1.3	12
22	Enhancement of gene transfer using YIGSR analog of Tatâ€derived peptide. Biopolymers, 2008, 89, 62-71.	1.2	18
23	Characterization of Composite Networks Made of Type I Collagen, Hyaluronic Acid and Decorin. Macromolecular Symposia, 2007, 256, 175-188.	0.4	8
24	Multi drug resistance-dependent â€œvacuum cleanerâ€•functionality potentially driven by the interactions between endocytosis, drug size and Pgp-like transporters surface density. European Biophysics Journal, 2007, 36, 121-131.	1.2	33
25	Individual microflora beget unique oral microcosms. Journal of Applied Microbiology, 2006, 100, 1123-1131.	1.4	41
26	Dynamic imaging of collagen and its modulation in tumors in vivo using second-harmonic generation. Nature Medicine, 2003, 9, 796-800.	15.2	798
27	Diffusion and Convection in Collagen Gels: Implications for Transport in the Tumor Interstitium. Biophysical Journal, 2002, 83, 1650-1660.	0.2	457
28	Solid stress facilitates spheroid formation: potential involvement of hyaluronan. British Journal of Cancer, 2002, 86, 947-953.	2.9	69
29	Comparison of IgG diffusion and extracellular matrix composition in rhabdomyosarcomas grown in mice versus in vitro as spheroids reveals the role of host stromal cells. British Journal of Cancer, 2002, 86, 1639-1644.	2.9	106
30	Role of tumor-host interactions in interstitial diffusion of macromolecules: Cranial vs. subcutaneous tumors. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 4628-4633.	3.3	529
31	Diffusion of Macromolecules in Agarose Gels: Comparison of Linear and Globular Configurations. Biophysical Journal, 1999, 77, 542-552.	0.2	502
32	Migration of single-stranded DNA in polyacrylamide gels during electrophoresis. Electrophoresis, 1998, 19, 1548-1559.	1.3	27
33	Band broadening in gel electrophoresis: Scaling laws for the dispersion coefficient measured by FRAP. , 1998, 46, 201-214.		29
34	Persistence Length of Single-Stranded DNA. Macromolecules, 1997, 30, 5763-5765.	2.2	486
35	Dynamics of single-stranded DNA in polyacrylamide gels during pulsed field gel electrophoresis. A birefringence study. Biophysical Chemistry, 1996, 58, 151-155.	1.5	9