

Gerhard Winter

List of Publications by Year in descending order

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179
papers

7,779
citations

50276

46
h-index

62596

80
g-index

181
all docs

181
docs citations

181
times ranked

7801
citing authors

#	ARTICLE	IF	CITATIONS
1	Overlooking Subvisible Particles in Therapeutic Protein Products: Gaps That May Compromise Product Quality. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 1201-1205.	3.3	492
2	Protein Instability and Immunogenicity: Roadblocks to Clinical Application of Injectable Protein Delivery Systems for Sustained Release. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 946-954.	3.3	205
3	Thermosensitive liposomal drug delivery systems: state of the art review. <i>International Journal of Nanomedicine</i> , 2014, 9, 4387.	6.7	203
4	Particles in Therapeutic Protein Formulations, Part 1: Overview of Analytical Methods. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 914-935.	3.3	191
5	Potential inaccurate quantitation and sizing of protein aggregates by size exclusion chromatography: Essential need to use orthogonal methods to assure the quality of therapeutic protein products. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 2200-2208.	3.3	185
6	Microencapsulation of rh-erythropoietin, using biodegradable poly(d,l-lactide-co-glycolide): protein stability and the effects of stabilizing excipients. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 1997, 43, 29-36.	4.3	183
7	The use of asymmetrical flow field-flow fractionation in pharmaceutics and biopharmaceutics. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004, 58, 369-383.	4.3	182
8	Quantitation of Aggregate Levels in a Recombinant Humanized Monoclonal Antibody Formulation by Size-Exclusion Chromatography, Asymmetrical Flow Field Flow Fractionation, and Sedimentation Velocity. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 268-279.	3.3	157
9	Targeting CpG Oligonucleotides to the Lymph Node by Nanoparticles Elicits Efficient Antitumoral Immunity. <i>Journal of Immunology</i> , 2008, 181, 2990-2998.	0.8	150
10	Protein stabilization by cyclodextrins in the liquid and dried state. <i>Advanced Drug Delivery Reviews</i> , 2011, 63, 1086-1106.	13.7	150
11	Lyophilized Drug Product Cake Appearance: What Is Acceptable?. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1706-1721.	3.3	145
12	Recombinant spider silk particles as drug delivery vehicles. <i>Biomaterials</i> , 2011, 32, 2233-2240.	11.4	137
13	Recent advances and further challenges in lyophilization. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 162-169.	4.3	135
14	Microbubbles as ultrasound triggered drug carriers. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 1935-1961.	3.3	133
15	New doxorubicin-loaded phospholipid microbubbles for targeted tumor therapy: In-vivo characterization. <i>Journal of Controlled Release</i> , 2010, 148, 368-372.	9.9	133
16	Matrix-loaded biodegradable gelatin nanoparticles as new approach to improve drug loading and delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 76, 1-9.	4.3	124
17	Delivery by Cationic Gelatin Nanoparticles Strongly Increases the Immunostimulatory Effects of CpG Oligonucleotides. <i>Pharmaceutical Research</i> , 2008, 25, 551-562.	3.5	117
18	Micro-Flow Imaging and Resonant Mass Measurement (Archimedes) – Complementary Methods to Quantitatively Differentiate Protein Particles and Silicone Oil Droplets. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 2152-2165.	3.3	115

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19	Erythropoietin loaded microspheres prepared from biodegradable LPLG-PEO-LPLG triblock copolymers: protein stabilization and in-vitro release properties. <i>Journal of Controlled Release</i> , 1998, 56, 105-115.	9.9	108
20	Trends on Analytical Characterization of Polysorbates and Their Degradation Products in Biopharmaceutical Formulations. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1722-1735.	3.3	108
21	Size of thermosensitive liposomes influences content release. <i>Journal of Controlled Release</i> , 2010, 147, 436-443.	9.9	106
22	Asymmetrical Flow Field-Flow Fractionation and Multiangle Light Scattering for Analysis of Gelatin Nanoparticle Drug Carrier Systems. <i>Analytical Chemistry</i> , 2004, 76, 1909-1920.	6.5	105
23	Recombinant human erythropoietin (rhEPO) loaded poly(lactide-co-glycolide) microspheres: influence of the encapsulation technique and polymer purity on microsphere characteristics. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 1998, 45, 295-305.	4.3	103
24	Processing Conditions for the Formation of Spider Silk Microspheres. <i>ChemSusChem</i> , 2008, 1, 413-416.	6.8	103
25	Formulation of Proteins in Vacuum-Dried Glasses. II. Process and Storage Stability in Sugar-Free Amino Acid Systems. <i>Pharmaceutical Development and Technology</i> , 1999, 4, 199-208.	2.4	101
26	Ultrasound Targeted Microbubble Destruction Increases Capillary Permeability in Hepatomas. <i>Ultrasound in Medicine and Biology</i> , 2007, 33, 1592-1598.	1.5	98
27	Inhibition of Agitation-Induced Aggregation of an IgG-Antibody by Hydroxypropyl- β -Cyclodextrin. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 1193-1206.	3.3	95
28	Recombinant spider silk particles for controlled delivery of protein drugs. <i>Biomaterials</i> , 2012, 33, 1554-1562.	11.4	94
29	Flow Imaging Microscopy for Protein Particle Analysis—A Comparative Evaluation of Four Different Analytical Instruments. <i>AAPS Journal</i> , 2013, 15, 1200-1211.	4.4	90
30	How Subvisible Particles Become Invisible—Relevance of the Refractive Index for Protein Particle Analysis. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 1434-1446.	3.3	88
31	New doxorubicin-loaded phospholipid microbubbles for targeted tumor therapy: Part I—Formulation development and in-vitro characterization. <i>Journal of Controlled Release</i> , 2010, 143, 143-150.	9.9	86
32	Comparison of the Effects of Early Pregnancy with Human Interferon, Alpha 2 (IFNA2), on Gene Expression in Bovine Endometrium1. <i>Biology of Reproduction</i> , 2012, 86, 46.	2.7	86
33	Stress-responsive FKBP51 regulates AKT2-AS160 signaling and metabolic function. <i>Nature Communications</i> , 2017, 8, 1725.	12.8	82
34	Protein stability in pulmonary drug delivery via nebulization. <i>Advanced Drug Delivery Reviews</i> , 2015, 93, 79-94.	13.7	81
35	Controlled shielding and deshielding of gene delivery polyplexes using hydroxyethyl starch (HES) and alpha-amylase. <i>Journal of Controlled Release</i> , 2012, 159, 92-103.	9.9	78
36	Recent insights into cutaneous immunization: How to vaccinate via the skin. <i>Vaccine</i> , 2015, 33, 4663-4674.	3.8	78

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37	Novel microscale approaches for easy, rapid determination of protein stability in academic and commercial settings. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 2241-2250.	2.3	76
38	Influence of particle geometry and PEGylation on phagocytosis of particulate carriers. <i>International Journal of Pharmaceutics</i> , 2014, 465, 159-164.	5.2	74
39	The effect of molar mass and degree of hydroxyethylation on the controlled shielding and deshielding of hydroxyethyl starch-coated polyplexes. <i>Biomaterials</i> , 2013, 34, 2530-2538.	11.4	68
40	Investigation of the Immunogenicity of Different Types of Aggregates of a Murine Monoclonal Antibody in Mice. <i>Pharmaceutical Research</i> , 2015, 32, 430-444.	3.5	66
41	Mechanisms controlling protein release from lipidic implants: Effects of PEG addition. <i>Journal of Controlled Release</i> , 2007, 118, 161-168.	9.9	63
42	Systematic Investigation of the Effect of Lyophilizate Collapse on Pharmaceutically Relevant Proteins, Part 2: Stability During Storage at Elevated Temperatures. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 2288-2306.	3.3	63
43	Protein HESylation for half-life extension: Synthesis, characterization and pharmacokinetics of HESylated anakinra. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 378-385.	4.3	62
44	Continuous release of rh-interferon $\hat{\pm}$ -2a from triglyceride matrices. <i>Journal of Controlled Release</i> , 2004, 97, 67-78.	9.9	59
45	Non-spherical micro- and nanoparticles: fabrication, characterization and drug delivery applications. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 481-492.	5.0	58
46	Lipid extrudates as novel sustained release systems for pharmaceutical proteins. <i>Journal of Controlled Release</i> , 2009, 134, 177-185.	9.9	55
47	Calcium Alginate Gels as Stem Cell Matrix " Making Paracrine Stem Cell Activity Available for Enhanced Healing after Surgery. <i>PLoS ONE</i> , 2015, 10, e0118937.	2.5	51
48	Formulation development of freeze-dried oligonucleotide-loaded gelatin nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 70, 514-521.	4.3	48
49	Application of interpretable artificial neural networks to early monoclonal antibodies development. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 141, 81-89.	4.3	48
50	The stress regulator FKBP51: a novel and promising druggable target for the treatment of persistent pain states across sexes. <i>Pain</i> , 2018, 159, 1224-1234.	4.2	46
51	Engineered hybrid spider silk particles as delivery system for peptide vaccines. <i>Biomaterials</i> , 2018, 172, 105-115.	11.4	44
52	A Nebulized Gelatin Nanoparticle-Based CpG Formulation is Effective in Immunotherapy of Allergic Horses. <i>Pharmaceutical Research</i> , 2012, 29, 1650-1657.	3.5	42
53	Method for Quantifying the PEGylation of Gelatin Nanoparticle Drug Carrier Systems Using Asymmetrical Flow Field-Flow Fractionation and Refractive Index Detection. <i>Analytical Chemistry</i> , 2007, 79, 4574-4580.	6.5	40
54	Can Controlled Ice Nucleation Improve Freeze-Drying of Highly-Concentrated Protein Formulations?. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 3915-3919.	3.3	39

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55	Isothermal chemical denaturation as a complementary tool to overcome limitations of thermal differential scanning fluorimetry in predicting physical stability of protein formulations. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 125, 106-113.	4.3	38
56	Application of different analytical methods for the characterization of non-spherical micro- and nanoparticles. <i>International Journal of Pharmaceutics</i> , 2013, 453, 620-629.	5.2	37
57	The Role of Polysorbate 80 and HP β CD at the Air-Water Interface of IgG Solutions. <i>Pharmaceutical Research</i> , 2013, 30, 117-130.	3.5	36
58	Continuous measurement of drying rate of crystalline and amorphous systems during freeze-drying using an in situ microbalance technique. <i>Journal of Pharmaceutical Sciences</i> , 2001, 90, 1345-1355.	3.3	35
59	New Insight into the Role of Polyethylene Glycol Acting as Protein Release Modifier in Lipidic Implants. <i>Pharmaceutical Research</i> , 2007, 24, 1527-1537.	3.5	35
60	Formulation of proteins in vacuum-dried glasses. I: Improved vacuum-drying of sugars using crystallising amino acids. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 1997, 44, 177-185.	4.3	32
61	A New Approach to Achieve Controlled Ice Nucleation of Supercooled Solutions During the Freezing Step in Freeze-drying. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 4409-4413.	3.3	31
62	Refixation of the supraspinatus tendon in a rat model—“influence of continuous growth factor application on tendon structure. <i>Journal of Orthopaedic Research</i> , 2013, 31, 300-305.	2.3	31
63	Characterization of Lipid-Based Hexosomes as Versatile Vaccine Carriers. <i>Molecular Pharmaceutics</i> , 2016, 13, 3945-3954.	4.6	31
64	Dose Levels in Particulate-Containing Formulations Impact Anti-drug Antibody Responses to Murine Monoclonal Antibody in Mice. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 1610-1621.	3.3	29
65	Pharmacological Modulation of the Psychiatric Risk Factor FKBP51 Alters Efficiency of Common Antidepressant Drugs. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 262.	2.0	29
66	Label-free Flow Cytometry Analysis of Subvisible Aggregates in Liquid IgG1 Antibody Formulations. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 90-99.	3.3	28
67	Application of water-soluble polyvinyl alcohol-based film patches on laser microporated skin facilitates intradermal macromolecule and nanoparticle delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 128, 119-130.	4.3	28
68	Studies on the lipase induced degradation of lipid based drug delivery systems. <i>Journal of Controlled Release</i> , 2009, 140, 27-33.	9.9	26
69	Delivery of Immunostimulatory RNA Oligonucleotides by Gelatin Nanoparticles Triggers an Efficient Antitumoral Response. <i>Journal of Immunotherapy</i> , 2010, 33, 935-944.	2.4	26
70	Head to Head Comparison of the Formulation and Stability of Concentrated Solutions of HESylated versus PEGylated Anakinra. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 515-526.	3.3	26
71	Optimisation of one-step desolvation and scale-up of gelatine nanoparticle production. <i>Journal of Microencapsulation</i> , 2016, 33, 595-604.	2.8	26
72	Orthogonal Techniques to Study the Effect of pH, Sucrose, and Arginine Salts on Monoclonal Antibody Physical Stability and Aggregation During Long-Term Storage. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 584-594.	3.3	26

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73	Water-based preparation of spider silk films as drug delivery matrices. <i>Journal of Controlled Release</i> , 2015, 213, 134-141.	9.9	25
74	Significant Drying Time Reduction Using Microwave-Assisted Freeze-Drying for a Monoclonal Antibody. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2538-2543.	3.3	25
75	Advancing Therapeutic Protein Discovery and Development through Comprehensive Computational and Biophysical Characterization. <i>Molecular Pharmaceutics</i> , 2020, 17, 426-440.	4.6	25
76	Towards an inhalative <i>in vivo</i> application of immunomodulating gelatin nanoparticles in horse-related preformulation studies. <i>Journal of Microencapsulation</i> , 2012, 29, 615-625.	2.8	24
77	That's cool! Nebulization of thermolabile proteins with a cooled vibrating mesh nebulizer. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 357-365.	4.3	24
78	Silicone Oil-Free Polymer Syringes for the Storage of Therapeutic Proteins. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 1148-1160.	3.3	24
79	Comparison of Different Liquid Chromatography-Based Purification Strategies for Adeno-Associated Virus Vectors. <i>Pharmaceutics</i> , 2021, 13, 748.	4.5	24
80	Immunostimulation of bronchoalveolar lavage cells from recurrent airway obstruction-affected horses by different CpG-classes bound to gelatin nanoparticles. <i>Veterinary Immunology and Immunopathology</i> , 2011, 144, 79-87.	1.2	23
81	Influence of Hydroxypropyl- β -Cyclodextrin on the Stability of Dilute and Highly Concentrated Immunoglobulin G Formulations. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 4121-4131.	3.3	23
82	Antibody Responses in Mice to Particles Formed from Adsorption of a Murine Monoclonal Antibody onto Glass Microparticles. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 78-89.	3.3	23
83	Particle contamination of parenteralia and in-line filtration of proteinaceous drugs. <i>International Journal of Pharmaceutics</i> , 2015, 496, 250-267.	5.2	23
84	cmRNA/lipoplex encapsulation in PLGA microspheres enables transfection via calcium phosphate cement (CPC)/PLGA composites. <i>Journal of Controlled Release</i> , 2017, 249, 143-149.	9.9	23
85	Long-term release and stability of pharmaceutical proteins delivered from solid lipid implants. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 117, 244-255.	4.3	23
86	Impact of plasma protein binding on cargo release by thermosensitive liposomes probed by fluorescence correlation spectroscopy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 119, 215-223.	4.3	23
87	CONTAMINATION OF ANTI-VEGF DRUGS FOR INTRAVITREAL INJECTION. <i>Retina</i> , 2018, 38, 2088-2095.	1.7	23
88	Nonspherical Nanoparticle Shape Stability Is Affected by Complex Manufacturing Aspects: Its Implications for Drug Delivery and Targeting. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900352.	7.6	23
89	Vesicular phospholipid gels as drug delivery systems for small molecular weight drugs, peptides and proteins: State of the art review. <i>International Journal of Pharmaceutics</i> , 2019, 557, 1-8.	5.2	23
90	The ReFOLD assay for protein formulation studies and prediction of protein aggregation during long-term storage. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 137, 131-139.	4.3	22

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91	High Throughput Prediction of the Long-Term Stability of Pharmaceutical Macromolecules from Short-Term Multi-Instrument Spectroscopic Data. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 828-839.	3.3	21
92	Influence of particle size, an elongated particle geometry, and adjuvants on dendritic cell activation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 542-549.	4.3	21
93	Cellular uptake of self-assembled phytantriol-based hexosomes is independent of major endocytic machineries. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 820-833.	9.4	21
94	Current Approaches of Preservation of Cells During (freeze-) Drying. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 2873-2893.	3.3	21
95	Mechanistic studies on the release of lysozyme from twin-screw extruded lipid implants. <i>Journal of Controlled Release</i> , 2012, 163, 187-194.	9.9	20
96	Prediction of protein degradation during vibrating mesh nebulization via a high throughput screening method. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 386-394.	4.3	20
97	New studies on leachables in commercial scale protein drug filling lines using stir bar sorptive extraction coupled with TD-GC-MS and UPLC/QTOF-MS/MS analytics. <i>International Journal of Pharmaceutics</i> , 2019, 555, 404-419.	5.2	20
98	Growth factor release by vesicular phospholipid gels: in-vitro results and application for rotator cuff repair in a rat model. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 82.	1.9	19
99	A New Approach to Study the Physical Stability of Monoclonal Antibody Formulationsâ€™ Dilution From a Denaturant. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 3007-3013.	3.3	19
100	Continuous Release of rh-Interferon Î±-2a from Triglyceride Implants: Storage Stability of the Dosage Forms. <i>Pharmaceutical Development and Technology</i> , 2006, 11, 103-110.	2.4	18
101	Weak antibodyâ€™ cyclodextrin interactions determined by quartz crystal microbalance and dynamic/static light scattering. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 781-789.	4.3	18
102	CMC determination of nonionic surfactants in protein formulations using ultrasonic resonance technology. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 92, 8-14.	4.3	18
103	Evaluation of a 3D Human Artificial Lymph Node as Test Model for the Assessment of Immunogenicity of Protein Aggregates. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2358-2366.	3.3	18
104	Microwave-Assisted Freeze-Drying of Monoclonal Antibodies: Product Quality Aspects and Storage Stability. <i>Pharmaceutics</i> , 2019, 11, 674.	4.5	18
105	Comparison of ice fog methods and monitoring of controlled nucleation success after freeze-drying. <i>International Journal of Pharmaceutics</i> , 2019, 558, 18-28.	5.2	18
106	The Role of Cyclodextrins against Interface-Induced Denaturation in Pharmaceutical Formulations: A Molecular Dynamics Approach. <i>Molecular Pharmaceutics</i> , 2021, 18, 2322-2333.	4.6	18
107	Immune responses induced by nano-self-assembled lipid adjuvants based on a monomycoloyl glycerol analogue after vaccination with the <i>Chlamydia trachomatis</i> major outer membrane protein. <i>Journal of Controlled Release</i> , 2018, 285, 12-22.	9.9	17
108	Intrinsic Differential Scanning Fluorimetry for Fast and Easy Identification of Adeno-Associated Virus Serotypes. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 854-862.	3.3	17

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109	Modulated Scanning Fluorimetry Can Quickly Assess Thermal Protein Unfolding Reversibility in Microvolume Samples. <i>Molecular Pharmaceutics</i> , 2020, 17, 2638-2647.	4.6	17
110	Evaluation of Heat Flux Measurement as a New Process Analytical Technology Monitoring Tool in Freeze Drying. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1249-1257.	3.3	16
111	A comparison of nanoparticulate CpG immunotherapy with and without allergens in spontaneously equine asthma-affected horses, an animal model. <i>Immunity, Inflammation and Disease</i> , 2018, 6, 81-96.	2.7	16
112	A Comparison of Controlled Ice Nucleation Techniques for Freeze-Drying of a Therapeutic Antibody. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2748-2754.	3.3	16
113	NIR spectroscopy—a non-destructive analytical tool for protein quantification within lipid implants. <i>Journal of Controlled Release</i> , 2006, 114, 261-267.	9.9	15
114	A critical evaluation of microcalorimetry as a predictive tool for long term stability of liquid protein formulations: Granulocyte Colony Stimulating Factor (GCSF). <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 145-155.	4.3	15
115	Two Decades of Publishing Excellence in Pharmaceutical Biotechnology. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 290-300.	3.3	15
116	Stability of collapse lyophilized influenza vaccine formulations. <i>International Journal of Pharmaceutics</i> , 2015, 483, 131-141.	5.2	15
117	Generation, Characterization, and Quantitative Bioanalysis of Drug/Anti-drug Antibody Immune Complexes to Facilitate Dedicated In Vivo Studies. <i>Pharmaceutical Research</i> , 2019, 36, 129.	3.5	15
118	Rapid sample-saving biophysical characterisation and long-term storage stability of liquid interferon alpha2a formulations: Is there a correlation?. <i>International Journal of Pharmaceutics</i> , 2019, 562, 42-50.	5.2	15
119	Challenges for PEGylated Proteins and Alternative Half-Life Extension Technologies Based on Biodegradable Polymers. <i>ACS Symposium Series</i> , 2013, , 215-233.	0.5	14
120	The “New Polyethylene Glycol Dilemma” Polyethylene Glycol Impurities and Their Paradox Role in mAb Crystallization. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 1938-1945.	3.3	14
121	Quantitative detection of drug dose and spatial distribution in the lung revealed by Cryoslicing Imaging. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 102, 129-136.	2.8	14
122	In-vivo biodegradation of extruded lipid implants in rabbits. <i>Journal of Controlled Release</i> , 2012, 163, 195-202.	9.9	13
123	Pharmaceutical feasibility of sub-visible particle analysis in parenterals with reduced volume light obscuration methods. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 1084-1087.	4.3	13
124	In vivo investigation of twin-screw extruded lipid implants for vaccine delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 338-346.	4.3	13
125	The effect of steam sterilization on recombinant spider silk particles. <i>International Journal of Pharmaceutics</i> , 2015, 481, 125-131.	5.2	13
126	Impact of implant composition of twin-screw extruded lipid implants on the release behavior. <i>International Journal of Pharmaceutics</i> , 2015, 493, 102-110.	5.2	12

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127	Twin-screw extruded lipid implants containing TRP2 peptide for tumour therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 114, 79-87.	4.3	12
128	Expanding Bedside Filtrationâ€”A Powerful Tool to Protect Patients From Protein Aggregates. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2775-2788.	3.3	12
129	Does controlled nucleation impact the properties and stability of lyophilized monoclonal antibody formulations?. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 129, 134-144.	4.3	12
130	Binding of HSA to Macromolecular <i>p</i> HPMA Based Nanoparticles for Drug Delivery: An Investigation Using Fluorescence Methods. <i>Langmuir</i> , 2018, 34, 7998-8006.	3.5	12
131	Release pathways of interferon β 2a molecules from lipid twin screw extrudates revealed by single molecule fluorescence microscopy. <i>Journal of Controlled Release</i> , 2012, 162, 295-302.	9.9	11
132	Toward intradermal vaccination: preparation of powder formulations by collapse freeze-drying. <i>Pharmaceutical Development and Technology</i> , 2014, 19, 213-222.	2.4	11
133	Encapsulation of antigen-loaded silica nanoparticles into microparticles for intradermal powder injection. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 63, 154-166.	4.0	11
134	Characterization and compatibility of hydroxyethyl starchâ€”polyethylenimine copolymers for DNA delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2014, 25, 855-871.	3.5	11
135	Thermo-Optical Protein Characterization for Straightforward Preformulation Development. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 2955-2958.	3.3	11
136	Test models for the evaluation of immunogenicity of protein aggregates. <i>International Journal of Pharmaceutics</i> , 2019, 559, 192-200.	5.2	11
137	Immunomodulatory asthma therapy in the equine animal model: A doseâ€”response study and evaluation of a longâ€”term effect. <i>Immunity, Inflammation and Disease</i> , 2019, 7, 130-149.	2.7	11
138	<i>In vitro</i> effects of <i>CpG</i> oligodeoxynucleotides delivered by gelatin nanoparticles on canine peripheral blood mononuclear cells of atopic and healthy dogs â€” a pilot study. <i>Veterinary Dermatology</i> , 2013, 24, 494.	1.2	10
139	Stability and activity of hydroxyethyl starch-coated polyplexes in frozen solutions or lyophilizates. <i>International Journal of Pharmaceutics</i> , 2014, 469, 50-58.	5.2	10
140	Utilisation of antibody microarrays for the selection of specific and informative antibodies from recombinant library binders of unknown quality. <i>New Biotechnology</i> , 2016, 33, 574-581.	4.4	10
141	Needle-Free Injection of Vesicular Phospholipid Gelsâ€”A Novel Approach to Overcome an Administration Hurdle for Semisolid Depot Systems. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 968-972.	3.3	10
142	Progress in formulation development and sterilisation of freeze-dried oligodeoxynucleotide-loaded gelatine nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 129, 10-20.	4.3	10
143	Shape Characterization of Subvisible Particles Using Dynamic Imaging Analysis. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 375-379.	3.3	10
144	Formulations That Suppress Aggregation During Long-Term Storage of a Bispecific Antibody are Characterized by High Refoldability and Colloidal Stability. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 2048-2058.	3.3	10

#	ARTICLE	IF	CITATIONS
145	Studies on the lipase-induced degradation of lipid-based drug delivery systems. Part II – Investigations on the mechanisms leading to collapse of the lipid structure. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 456-463.	4.3	9
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