

Oliver Germershaus

List of Publications by Year in descending order

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38
papers

2,231
citations

304368

22
h-index

315357

38
g-index

38
all docs

38
docs citations

38
times ranked

3673
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of Polyethylene Glycol Chain Length on the Physicochemical and Biological Properties of Poly(ethylene imine)-graft-Poly(ethylene glycol) Block Copolymer/SiRNA Polyplexes. <i>Bioconjugate Chemistry</i> , 2006, 17, 1209-1218.	1.8	295
2	Electrospun matrices for localized drug delivery: Current technologies and selected biomedical applications. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 1-13.	2.0	241
3	Effect of WOW process parameters on morphology and burst release of FITC-dextran loaded PLGA microspheres. <i>International Journal of Pharmaceutics</i> , 2007, 334, 137-148.	2.6	232
4	Gene delivery using chitosan, trimethyl chitosan or polyethylenglycol-graft-trimethyl chitosan block copolymers: Establishment of structure-activity relationships in vitro. <i>Journal of Controlled Release</i> , 2008, 125, 145-154.	4.8	229
5	Uptake and Transport of PEG-Graft-Trimethyl-Chitosan Copolymer-Insulin Nanocomplexes by Epithelial Cells. <i>Pharmaceutical Research</i> , 2005, 22, 2058-2068.	1.7	149
6	Bioreversibly crosslinked polyplexes of PEI and high molecular weight PEG show extended circulation times in vivo. <i>Journal of Controlled Release</i> , 2007, 124, 69-80.	4.8	110
7	Crosslinked nanocarriers based upon poly(ethylene imine) for systemic plasmid delivery: In vitro characterization and in vivo studies in mice. <i>Journal of Controlled Release</i> , 2007, 118, 370-380.	4.8	98
8	Bone targeting for the treatment of osteoporosis. <i>Journal of Controlled Release</i> , 2012, 161, 198-213.	4.8	79
9	Surface modification of nanofibrous matrices via layer-by-layer functionalized silk assembly for mitigating the foreign body reaction. <i>Biomaterials</i> , 2018, 164, 22-37.	5.7	78
10	Silk fibroin layer-by-layer microcapsules for localized gene delivery. <i>Biomaterials</i> , 2014, 35, 7929-7939.	5.7	72
11	Trastuzumab-Polyethylenimine-Polyethylene Glycol Conjugates for Targeting Her2-Expressing Tumors. <i>Bioconjugate Chemistry</i> , 2006, 17, 1190-1199.	1.8	64
12	Decoration of silk fibroin by click chemistry for biomedical application. <i>Journal of Structural Biology</i> , 2014, 186, 420-430.	1.3	56
13	Application of natural and semi-synthetic polymers for the delivery of sensitive drugs. <i>International Materials Reviews</i> , 2015, 60, 101-131.	9.4	53
14	Fatty acid composition analysis in polysorbate 80 with high performance liquid chromatography coupled to charged aerosol detection. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 569-574.	2.0	44
15	Integrin $\alpha_5\beta_3$ Targeted Gene Delivery Using RGD Peptidomimetic Conjugates with Copolymers of PEGylated Poly(ethylene imine). <i>Bioconjugate Chemistry</i> , 2009, 20, 1270-1280.	1.8	39
16	Influence of morphology and drug distribution on the release process of FITC-dextran-loaded microspheres prepared with different types of PLGA. <i>Journal of Microencapsulation</i> , 2009, 26, 334-345.	1.2	34
17	Predicting critical micelle concentration and micelle molecular weight of polysorbate 80 using compendial methods. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 559-568.	2.0	33
18	Deciphering the mechanism of protein interaction with silk fibroin for drug delivery systems. <i>Biomaterials</i> , 2014, 35, 3427-3434.	5.7	30

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19	Silk fibroin degumming affects scaffold structure and release of macromolecular drugs. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 106, 254-261.	1.9	30
20	Effects of Silk Degumming Process on Physicochemical, Tensile, and Optical Properties of Regenerated Silk Fibroin. <i>Macromolecular Materials and Engineering</i> , 2018, 303, 1800408.	1.7	28
21	Understanding the Freezing of Biopharmaceuticals: First-Principle Modeling of the Process and Evaluation of Its Effect on Product Quality. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 2495-2507.	1.6	26
22	Insulin-like growth factor-I aerosol formulations for pulmonary delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 85, 61-68.	2.0	25
23	Controlled Protein Delivery from Electrospun Non-Wovens: Novel Combination of Protein Crystals and a Biodegradable Release Matrix. <i>Molecular Pharmaceutics</i> , 2014, 11, 2372-2380.	2.3	23
24	Recent advances in crystalline and amorphous particulate protein formulations for controlled delivery. <i>Asian Journal of Pharmaceutical Sciences</i> , 2016, 11, 469-477.	4.3	20
25	Localized, non-viral delivery of nucleic acids: Opportunities, challenges and current strategies. <i>Asian Journal of Pharmaceutical Sciences</i> , 2015, 10, 159-175.	4.3	18
26	Matrix metalloprotease triggered bioresponsive drug delivery systems – Design, synthesis and application. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 131, 189-202.	2.0	17
27	HER2 Targeted Polyplexes: The Effect of Polyplex Composition and Conjugation Chemistry on in Vitro and in Vivo Characteristics. <i>Bioconjugate Chemistry</i> , 2008, 19, 244-253.	1.8	16
28	The effect of silk gland sericin protein incorporation into electrospun polycaprolactone nanofibers on in vitro and in vivo characteristics. <i>Journal of Materials Chemistry B</i> , 2015, 3, 859-870.	2.9	15
29	Protein release from electrospun nonwovens: Improving the release characteristics through rational combination of polyester blend matrices with polidocanol. <i>International Journal of Pharmaceutics</i> , 2014, 477, 273-281.	2.6	12
30	Influence of salt type and ionic strength on self-assembly of dextran sulfate-ciprofloxacin nanoplexes. <i>International Journal of Pharmaceutics</i> , 2015, 486, 21-29.	2.6	11
31	Container Closure Integrity Testing of Prefilled Syringes. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2091-2097.	1.6	11
32	Ex Vivo Human Trabecular Bone Model for Biocompatibility Evaluation of Calcium Phosphate Composites Modified with Spray Dried Biodegradable Microspheres. <i>Advanced Healthcare Materials</i> , 2013, 2, 1361-1369.	3.9	8
33	Methods To Determine the Silicone Oil Layer Thickness in Sprayed-On Siliconized Syringes. <i>PDA Journal of Pharmaceutical Science and Technology</i> , 2018, 72, 278-297.	0.3	8
34	Imidazole and Dimethyl Aminopropyl-Functionalized Hyperbranched Polymers for Nucleic Acid Transfection. <i>Macromolecular Bioscience</i> , 2010, 10, 1055-1062.	2.1	7
35	Simple and rapid high performance liquid chromatography method for the determination of polidocanol as bulk product and in pharmaceutical polymer matrices using charged aerosol detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 104, 17-20.	1.4	6
36	Surface functionalization allowing repetitive use of optical sensors for real-time detection of antibody-bacteria interaction. <i>Journal of Biophotonics</i> , 2016, 9, 730-737.	1.1	6

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37	Comparing Physical Container Closure Integrity Test Methods and Artificial Leak Methodologies. PDA Journal of Pharmaceutical Science and Technology, 2019, 73, 220-234.	0.3	6
38	Products of the Determination of the Iodine Value with Iodine Monobromide. Archiv Der Pharmazie, 2002, 335, 449-451.	2.1	2