

Eva Roblegg

List of Publications by Year in descending order

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77
papers

2,918
citations

159585

30
h-index

175258

52
g-index

77
all docs

77
docs citations

77
times ranked

4376
citing authors

#	ARTICLE	IF	CITATIONS
1	Models for oral uptake of nanoparticles in consumer products. <i>Toxicology</i> , 2012, 291, 10-17.	4.2	266
2	Nano-sized and micro-sized polystyrene particles affect phagocyte function. <i>Cell Biology and Toxicology</i> , 2014, 30, 1-16.	5.3	146
3	Development of an Advanced Intestinal in Vitro Triple Culture Permeability Model To Study Transport of Nanoparticles. <i>Molecular Pharmaceutics</i> , 2014, 11, 808-818.	4.6	131
4	Liposomes coated with thiolated chitosan enhance oral peptide delivery to rats. <i>Journal of Controlled Release</i> , 2013, 172, 872-878.	9.9	115
5	Continuous Sonocrystallization of Acetylsalicylic Acid (ASA): Control of Crystal Size. <i>Crystal Growth and Design</i> , 2012, 12, 4733-4738.	3.0	110
6	Size-dependent effects of nanoparticles on the activity of cytochrome P450 isoenzymes. <i>Toxicology and Applied Pharmacology</i> , 2010, 242, 326-332.	2.8	103
7	Comparison of two in vitro systems to assess cellular effects of nanoparticles-containing aerosols. <i>Toxicology in Vitro</i> , 2013, 27, 409-417.	2.4	100
8	Cytotoxicity of nanoparticles independent from oxidative stress. <i>Journal of Toxicological Sciences</i> , 2009, 34, 363-375.	1.5	99
9	Saliva: An all-rounder of our body. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 142, 133-141.	4.3	90
10	The oral cavity as a biological barrier system: Design of an advanced buccal in vitro permeability model. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 386-393.	4.3	89
11	Action of polystyrene nanoparticles of different sizes on lysosomal function and integrity. <i>Particle and Fibre Toxicology</i> , 2012, 9, 26.	6.2	87
12	Evaluation of a physiological <i>in vitro</i> system to study the transport of nanoparticles through the buccal mucosa. <i>Nanotoxicology</i> , 2012, 6, 399-413.	3.0	87
13	Oral uptake of nanoparticles: human relevance and the role of in vitro systems. <i>Archives of Toxicology</i> , 2016, 90, 2297-2314.	4.2	67
14	Development of sustained-release lipophilic calcium stearate pellets via hot melt extrusion. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 79, 635-645.	4.3	64
15	Supervisory Control System for Monitoring a Pharmaceutical Hot Melt Extrusion Process. <i>AAPS PharmSciTech</i> , 2013, 14, 1034-1044.	3.3	57
16	Inline monitoring and a PAT strategy for pharmaceutical hot melt extrusion. <i>International Journal of Pharmaceutics</i> , 2013, 455, 159-168.	5.2	56
17	Cytotoxicity of nanoparticles is influenced by size, proliferation and embryonic origin of the cells used for testing. <i>Nanotoxicology</i> , 2012, 6, 424-439.	3.0	53
18	In <i>in vitro</i> Permeability of Neutral Polystyrene Particles via Buccal Mucosa. <i>Small</i> , 2013, 9, 457-466.	10.0	51

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19	Nano-extrusion: A promising tool for continuous manufacturing of solid nano-formulations. <i>International Journal of Pharmaceutics</i> , 2014, 477, 1-11.	5.2	51
20	Assessment of Long-Term Effects of Nanoparticles in a Microcarrier Cell Culture System. <i>PLoS ONE</i> , 2013, 8, e56791.	2.5	49
21	Nano-extrusion: a One-Step Process for Manufacturing of Solid Nanoparticle Formulations Directly from the Liquid Phase. <i>AAPS PharmSciTech</i> , 2013, 14, 601-604.	3.3	48
22	Comparison of fluorescence-based methods to determine nanoparticle uptake by phagocytes and non-phagocytic cells in vitro. <i>Toxicology</i> , 2017, 378, 25-36.	4.2	48
23	Mucus as Barrier for Drug Delivery by Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 126-136.	0.9	47
24	The buccal mucosa as a route for TiO ₂ nanoparticle uptake. <i>Nanotoxicology</i> , 2015, 9, 253-261.	3.0	45
25	Interactions between nano-TiO ₂ and the oral cavity: Impact of nanomaterial surface hydrophilicity/hydrophobicity. <i>Journal of Hazardous Materials</i> , 2015, 286, 298-305.	12.4	43
26	Development of nanostructured lipid carriers for intraoral delivery of Domperidone. <i>International Journal of Pharmaceutics</i> , 2017, 526, 188-198.	5.2	40
27	Plasma proteins facilitates placental transfer of polystyrene particles. <i>Journal of Nanobiotechnology</i> , 2020, 18, 128.	9.1	38
28	The effect of saliva on the fate of nanoparticles. <i>Clinical Oral Investigations</i> , 2018, 22, 929-940.	3.0	37
29	In-line implementation of an image-based particle size measurement tool to monitor hot-melt extruded pellets. <i>International Journal of Pharmaceutics</i> , 2014, 466, 181-189.	5.2	32
30	Chemical coupling of thiolated chitosan to preformed liposomes improves mucoadhesive properties. <i>International Journal of Nanomedicine</i> , 2012, 7, 2523.	6.7	31
31	Carboxylated Short Single-Walled Carbon Nanotubes But Not Plain and Multi-Walled Short Carbon Nanotubes Show in vitro Genotoxicity. <i>Toxicological Sciences</i> , 2015, 144, 114-127.	3.1	28
32	Impact of surface functionalization on the toxicity and antimicrobial effects of selenium nanoparticles considering different routes of entry. <i>Food and Chemical Toxicology</i> , 2020, 144, 111621.	3.6	28
33	Surface-Induced Polymorphism as a Tool for Enhanced Dissolution: The Example of Phenytoin. <i>Crystal Growth and Design</i> , 2015, 15, 4687-4693.	3.0	27
34	Intracellular calcium levels as screening tool for nanoparticle toxicity. <i>Journal of Applied Toxicology</i> , 2015, 35, 1150-1159.	2.8	24
35	Reaction of monocytes to polystyrene and silica nanoparticles in short-term and long-term exposures. <i>Toxicology Research</i> , 2014, 3, 86.	2.1	23
36	Combination of small size and carboxyl functionalisation causes cytotoxicity of short carbon nanotubes. <i>Nanotoxicology</i> , 2012, 7, 1211-1224.	3.0	22

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37	Suitability of Cell-Based Label-Free Detection for Cytotoxicity Screening of Carbon Nanotubes. <i>BioMed Research International</i> , 2013, 2013, 1-13.	1.9	22
38	Comprehensive characterization of nanostructured lipid carriers using laboratory and synchrotron X-ray scattering and diffraction. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 139, 153-160.	4.3	21
39	Optimization of an oral mucosa <i>in vitro</i> model based on cell line TR146. <i>Tissue Barriers</i> , 2020, 8, 1748459.	3.2	21
40	Development of lipophilic calcium stearate pellets using ibuprofen as model drug. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 75, 56-62.	4.3	20
41	Development of an Abuse- and Alcohol-Resistant Formulation Based on Hot-Melt Extrusion and Film Coating. <i>AAPS PharmSciTech</i> , 2016, 17, 68-77.	3.3	19
42	Assessment of Dry Powder Inhaler Carrier Targeted Design: A Comparative Case Study of Diverse Anomeric Compositions and Physical Properties of Lactose. <i>Molecular Pharmaceutics</i> , 2018, 15, 2827-2839.	4.6	18
43	Investigation of Changes in Saliva in Radiotherapy-Induced Head Neck Cancer Patients. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1629.	2.6	18
44	Use of whole genome expression analysis in the toxicity screening of nanoparticles. <i>Toxicology and Applied Pharmacology</i> , 2014, 280, 272-284.	2.8	17
45	Atomic force microscopy as analytical tool to study physico-mechanical properties of intestinal cells. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1457-1466.	2.8	17
46	Controlled-Release from High-Loaded Reservoir-Type Systems—A Case Study of Ethylene-Vinyl Acetate and Progesterone. <i>Pharmaceutics</i> , 2020, 12, 103.	4.5	17
47	Ibuprofen-Loaded Calcium Stearate Pellets: Drying-Induced Variations in Dosage Form Properties. <i>AAPS PharmSciTech</i> , 2012, 13, 686-698.	3.3	16
48	Morphologies in Solvent-Annealed Clotrimazole Thin Films Explained by Hansen-Solubility Parameters. <i>Crystal Growth and Design</i> , 2014, 14, 1386-1391.	3.0	16
49	Comprehensive investigations of fibroin and poly(ethylenimine) functionalized fibroin nanoparticles for ulcerative colitis treatment. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 57, 101484.	3.0	16
50	Rational Design and Characterization of a Nanosuspension for Intraoral Administration Considering Physiological Conditions. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 257-267.	3.3	15
51	Development of Porous Polyurethane Implants Manufactured via Hot-Melt Extrusion. <i>Polymers</i> , 2020, 12, 2950.	4.5	15
52	Particular Film Formation of Phenytoin at Silica Surfaces. <i>Molecular Pharmaceutics</i> , 2014, 11, 610-616.	4.6	14
53	NANEX: Process design and optimization. <i>International Journal of Pharmaceutics</i> , 2016, 506, 35-45.	5.2	14
54	Establishment of a Molding Procedure to Facilitate Formulation Development for Co-extrudates. <i>AAPS PharmSciTech</i> , 2017, 18, 2971-2976.	3.3	14

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55	How does secondary processing affect the physicochemical properties of inhalable salbutamol sulphate particles? A temporal investigation. <i>International Journal of Pharmaceutics</i> , 2017, 528, 416-428.	5.2	13
56	Itraconazole Nanocrystals on Hydrogel Contact Lenses via Inkjet Printing: Implications for Ophthalmic Drug Delivery. <i>ACS Applied Nano Materials</i> , 2022, 5, 9435-9446.	5.0	12
57	Reformulation of a codeine phosphate liquid controlled-release product. <i>Drug Development and Industrial Pharmacy</i> , 2010, 36, 1454-1462.	2.0	11
58	Morphologies of Phenytoin Crystals at Silica Model Surfaces: Vapor Annealing versus Drop Casting. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12855-12861.	3.1	11
59	Delivery of Dry Powders to the Lungs: Influence of Particle Attributes from a Biological and Technological Point of View. <i>Current Drug Delivery</i> , 2019, 16, 180-194.	1.6	11
60	Toward a new generation of vaginal pessaries via 3D-printing: Concomitant mechanical support and drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2022, 174, 77-89.	4.3	11
61	Interaction of Differently Coated Silver Nanoparticles With Skin and Oral Mucosal Cells. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 2250-2261.	3.3	10
62	Crystallographic Textures and Morphologies of Solution Cast Ibuprofen Composite Films at Solid Surfaces. <i>Molecular Pharmaceutics</i> , 2014, 11, 4084-4091.	4.6	9
63	Insights into the processability and performance of adhesive blends of inhalable jet-milled and spray dried salbutamol sulphate at different drug loads. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 48, 466-477.	3.0	9
64	Hot Melt Extrusion as a Continuous Pharmaceutical Manufacturing Process. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2013, , 363-396.	0.6	9
65	One Polymorph and Various Morphologies of Phenytoin at a Silica Surface Due to Preparation Kinetics. <i>Crystal Growth and Design</i> , 2015, 15, 326-332.	3.0	8
66	A novel In Vitro Model for Studying Nanoparticle Interactions with the Small Intestine. <i>EURO-NanoTox-Letters</i> , 2016, 6, 1-14.	1.0	8
67	Use of the Direct Compression Aid Ludiflash® for the preparation of pellets via wet extrusion/spheronization. <i>Drug Development and Industrial Pharmacy</i> , 2011, 37, 1231-1243.	2.0	7
68	Microstructure of Calcium Stearate Matrix Pellets: A Function of the Drying Process. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 3987-3997.	3.3	7
69	Comparing freeze drying and spray drying of interleukins using model protein CXCL8 and its variants. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 168, 152-165.	4.3	7
70	Thiolated Chitosan Conjugated Liposomes for Oral Delivery of Selenium Nanoparticles. <i>Pharmaceutics</i> , 2022, 14, 803.	4.5	7
71	Pore blocking: An innovative formulation strategy for the design of alcohol resistant multi-particulate dosage forms. <i>International Journal of Pharmaceutics</i> , 2016, 509, 219-228.	5.2	5
72	Cytokine-Mediated Inflammation in the Oral Cavity and Its Effect on Lipid Nanocarriers. <i>Nanomaterials</i> , 2021, 11, 1330.	4.1	5

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73	The effect of ethanol on the habit and in vitro aerodynamic results of dry powder inhalation formulations containing ciprofloxacin hydrochloride. Asian Journal of Pharmaceutical Sciences, 2021, 16, 471-482.	9.1	5
74	Mucus as Physiological Barrier to Intracellular Delivery. Fundamental Biomedical Technologies, 2014, , 139-163.	0.2	5
75	Titanium dioxide nanoparticles and the oral uptake-route. BioNanoMaterials, 2013, 14, 25-35.	1.4	3
76	Investigations to Evaluate Gastric Mucoadhesion of an Organic Product to Ameliorate Gastritis. Pharmaceutics, 2020, 12, 331.	4.5	3
77	Effect of solvent compositions on habits and in vitro aerodynamic results of spray-dried pulmonary formulations. , 2021, , .		0