

Stephanie Briancon

List of Publications by Year in descending order

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90
papers

3,621
citations

147801

31
h-index

138484

58
g-index

90
all docs

90
docs citations

90
times ranked

4744
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-emulsion formulation using spontaneous emulsification: solvent, oil and surfactant optimisation. <i>International Journal of Pharmaceutics</i> , 2004, 280, 241-251.	5.2	700
2	Penetration of drugs through skin, a complex rate-controlling membrane. <i>Current Opinion in Colloid and Interface Science</i> , 2012, 17, 156-165.	7.4	208
3	Determination of poly(É-caprolactone) solubility parameters: Application to solvent substitution in a microencapsulation process. <i>International Journal of Pharmaceutics</i> , 2010, 383, 236-243.	5.2	174
4	Synthesis and characterization of polyurethane and poly(ether urethane) nanocapsules using a new technique of interfacial polycondensation combined to spontaneous emulsification. <i>International Journal of Pharmaceutics</i> , 2004, 269, 89-100.	5.2	162
5	Mechanism of nanocapsules formation by the emulsionâ€“diffusion process. <i>Journal of Colloid and Interface Science</i> , 2008, 317, 458-468.	9.4	151
6	Comparative scale-up of three methods for producing ibuprofen-loaded nanoparticles. <i>European Journal of Pharmaceutical Sciences</i> , 2005, 25, 357-367.	4.0	140
7	Preparation of redispersible dry nanocapsules by means of spray-drying: Development and characterisation. <i>European Journal of Pharmaceutical Sciences</i> , 2007, 30, 124-135.	4.0	118
8	Skin toxicity of surfactants: Structure/toxicity relationships. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 469, 166-179.	4.7	96
9	Nanoparticles for Drug Delivery: Review of the Formulation and Process Difficulties Illustrated by the Emulsion-Diffusion Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 2664-2681.	0.9	93
10	Nanocapsules of biodegradable polymers: preparation and characterization by direct high resolution electron microscopy. <i>Materials Science and Engineering C</i> , 2002, 21, 137-142.	7.3	73
11	Topical delivery ofÂ“cosmetics andÂ“drugs. Molecular aspects ofÂ“percutaneous absorption andÂ“delivery. <i>European Journal of Dermatology</i> , 2009, 19, 309-323.	0.6	71
12	Percutaneous release of caffeine from microemulsion, emulsion and gel dosage forms. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 68, 446-451.	4.3	66
13	Poly(d,l-lactic acid) nanoparticle preparation and colloidal characterization. <i>Colloid and Polymer Science</i> , 2003, 281, 1184-1190.	2.1	53
14	Process induced transformations during tablet manufacturing: Phase transition analysis of caffeine using DSC and low frequency micro-Raman spectroscopy. <i>International Journal of Pharmaceutics</i> , 2011, 420, 76-83.	5.2	53
15	Nanoparticles through the skin: managing conflicting results of inorganic and organic particles in cosmetics and pharmaceutics. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2011, 3, 463-478.	6.1	53
16	Nano-encapsulation of Vitamin D3 Active Metabolites for Application in Chemotherapy: Formulation Study and in Vitro Evaluation. <i>Pharmaceutical Research</i> , 2013, 30, 1137-1146.	3.5	53
17	Ingredients Tracking of Cosmetic Formulations in the Skin: A Confocal Raman Microscopy Investigation. <i>Pharmaceutical Research</i> , 2011, 28, 858-872.	3.5	48
18	Project, Design, and Use of a Pilot Plant for Nanocapsule Production. <i>Drug Development and Industrial Pharmacy</i> , 2001, 27, 1063-1072.	2.0	47

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19	Shape-selective synthesis of nanoceria for degradation of paraoxon as a chemical warfare simulant. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 5455-5465.	2.8	45
20	Improvement of a bovine serum albumin microencapsulation process by screening design. <i>International Journal of Pharmaceutics</i> , 2007, 344, 16-25.	5.2	43
21	Spray-dried microparticles containing polymeric nanocapsules: Formulation aspects, liquid phase interactions and particles characteristics. <i>International Journal of Pharmaceutics</i> , 2006, 325, 63-74.	5.2	42
22	Study of the emulsion-diffusion of solvent: preparation and characterization of nanocapsules. <i>Drug Development Research</i> , 2002, 57, 18-33.	2.9	39
23	Spray-drying Nanocapsules in Presence of Colloidal Silica as Drying Auxiliary Agent: Formulation and Process Variables Optimization Using Experimental Designs. <i>Pharmaceutical Research</i> , 2007, 24, 650-661.	3.5	39
24	An original image-processing technique for obtaining the mixing time: The box-counting with erosions method. <i>Powder Technology</i> , 2005, 152, 62-71.	4.2	37
25	Development of a nanoparticle-based system for the delivery of retinoic acid into macrophages. <i>International Journal of Pharmaceutics</i> , 2012, 430, 207-215.	5.2	36
26	Iodinated nano-emulsions as contrast agents for preclinical X-ray imaging: Impact of the free surfactants on the pharmacokinetics. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 83, 54-62.	4.3	36
27	Polyamides nanocapsules: Modeling and wall thickness estimation. <i>AIChE Journal</i> , 2006, 52, 2161-2170.	3.6	35
28	Simultaneous emulsification and interfacial polycondensation for the preparation of colloidal suspensions of nanocapsules. <i>Materials Science and Engineering C</i> , 2006, 26, 472-480.	7.3	33
29	Confocal Raman Microspectroscopy for Evaluating the Stratum Corneum Removal by 3 Standard Methods. <i>Skin Pharmacology and Physiology</i> , 2011, 24, 103-112.	2.5	33
30	Formation of microcapsules by complex coacervation. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 183-191.	1.7	33
31	InÂvitro skin decontamination of the organophosphorus pesticide Paraoxon with nanometric cerium oxide CeO ₂ . <i>Chemico-Biological Interactions</i> , 2017, 267, 57-66.	4.0	32
32	Degradation of paraoxon (VX chemical agent simulant) and bacteria by magnesium oxide depends on the crystalline structure of magnesium oxide. <i>Chemico-Biological Interactions</i> , 2017, 267, 67-73.	4.0	30
33	Confocal Raman microspectroscopy of the skin. <i>European Journal of Dermatology</i> , 2011, 21, 851-863.	0.6	28
34	Metal oxide nanoparticles for the decontamination of toxic chemical and biological compounds. <i>International Journal of Pharmaceutics</i> , 2020, 583, 119373.	5.2	27
35	Human scalp permeability to the chemical warfare agent VX. <i>Toxicology in Vitro</i> , 2011, 25, 1974-1980.	2.4	26
36	The effect of monomers on the formulation of polymeric nanocapsules based on polyureas and polyamides. <i>International Journal of Pharmaceutics</i> , 2007, 335, 176-179.	5.2	24

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37	Surfactants have multi-fold effects on skin barrier function. <i>European Journal of Dermatology</i> , 2015, 25, 424-435.	0.6	24
38	Pickering emulsions for skin decontamination. <i>Toxicology in Vitro</i> , 2016, 34, 45-54.	2.4	24
39	Rationally designed hyaluronic acid-based nano-complexes for pentamidine delivery. <i>International Journal of Pharmaceutics</i> , 2019, 568, 118526.	5.2	24
40	Development and structural characterization of a novel nanoemulsion for oral drug delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 593, 124614.	4.7	24
41	Nanocomposite systems for precise oral delivery of drugs and biologics. <i>Drug Delivery and Translational Research</i> , 2021, 11, 445-470.	5.8	24
42	Skin contamination by radiopharmaceuticals and decontamination strategies. <i>International Journal of Pharmaceutics</i> , 2010, 402, 44-49.	5.2	23
43	Effect of Cryoprotectant and Freeze-Drying Process on the Stability of W/O/W Emulsions. <i>Drying Technology</i> , 2007, 25, 809-819.	3.1	22
44	Influence of main whey protein components on the mechanism of complex coacervation with Acacia gum. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 481, 367-374.	4.7	22
45	Orodispersible films based on amorphous solid dispersions of tetrabenazine. <i>International Journal of Pharmaceutics</i> , 2017, 518, 242-252.	5.2	22
46	Drug delivery to tumours using a novel 5-FU derivative encapsulated into lipid nanocapsules. <i>Journal of Drug Targeting</i> , 2019, 27, 634-645.	4.4	21
47	Poly(ethylene glycol)-poly(ϵ -caprolactone) Iodinated Nanocapsules as Contrast Agents for X-ray Imaging. <i>Pharmaceutical Research</i> , 2013, 30, 2023-2035.	3.5	20
48	Synthesis routes of CeO ₂ nanoparticles dedicated to organophosphorus degradation: a benchmark. <i>CrystEngComm</i> , 2020, 22, 1725-1737.	2.6	20
49	Predictive model for tensile strength of pharmaceutical tablets based on local hardness measurements. <i>International Journal of Pharmaceutics</i> , 2015, 490, 438-445.	5.2	19
50	Formulation of orodispersible films for paediatric therapy: investigation of feasibility and stability for tetrabenazine as drug model. <i>Journal of Pharmacy and Pharmacology</i> , 2017, 69, 582-592.	2.4	19
51	Effect of surface chemistry of polymeric nanoparticles on cutaneous penetration of cholecalciferol. <i>International Journal of Pharmaceutics</i> , 2018, 553, 120-131.	5.2	19
52	Nanomedicine for Gene Delivery and Drug Repurposing in the Treatment of Muscular Dystrophies. <i>Pharmaceutics</i> , 2021, 13, 278.	4.5	17
53	Stability Studies on Colloidal Suspensions of Polyurethane Nanocapsules. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3187-3192.	0.9	16
54	Nanocomposite sponges for enhancing intestinal residence time following oral administration. <i>Journal of Controlled Release</i> , 2021, 333, 579-592.	9.9	16

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55	New approach of the Preparation of Nanocapsules by an Interfacial Polycondensation Reaction. <i>Polymer Bulletin</i> , 2003, 50, 169-174.	3.3	14
56	Kinetic parameter estimation and modelling of sucrose esters synthesis without solvent. <i>Chemical Engineering Science</i> , 2003, 58, 367-376.	3.8	14
57	Processing-induced-transformations (PITs) during direct compression: Impact of tablet composition and compression load on phase transition of caffeine. <i>International Journal of Pharmaceutics</i> , 2016, 501, 253-264.	5.2	13
58	Subtle and unexpected role of PEG in tuning the penetration mechanisms of PLA-based nano-formulations into intact and impaired skin. <i>International Journal of Pharmaceutics</i> , 2019, 563, 79-90.	5.2	12
59	Industrial pressure sensitive adhesives suitable for physicochemical microencapsulation. <i>International Journal of Adhesion and Adhesives</i> , 2011, 31, 629-633.	2.9	11
60	Encapsulation of a pressure sensitive adhesive by spray-cooling: Optimum formulation and processing conditions. <i>Advanced Powder Technology</i> , 2014, 25, 292-300.	4.1	11
61	Effectiveness of grafting modes of methoxycinnamate sunscreen onto silica particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 653-663.	4.7	11
62	Model-based optimization of parameters for degradation reaction of an organophosphorus pesticide, paraoxon, using CeO ₂ nanoparticles in water media. <i>Environmental Toxicology and Pharmacology</i> , 2017, 53, 18-28.	4.0	11
63	Experimental Study and Theoretical Approach of Cooling Surfaces Fouling in Industrial Crystallizers. <i>Chemical Engineering Research and Design</i> , 1997, 75, 147-151.	5.6	10
64	Modelling of crystalline layer growth using kinetic data obtained from suspension crystallization. <i>Chemical Engineering Journal</i> , 1998, 70, 55-64.	12.7	10
65	Influence of Diblock Copolymer PCL-mPEG and of Various Iodinated Oils on the Formulation by the Emulsion-Solvent Diffusion Process of Radiopaque Polymeric Nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 4150-4158.	3.3	10
66	Skin Absorption of Anions: Part One. Methodology for In Vitro Cutaneous Absorption Measurements. <i>Pharmaceutical Research</i> , 2016, 33, 1564-1575.	3.5	10
67	Penetration and decontamination of americium-241 <i>ex Vivo</i> using fresh and frozen pig skin. <i>Chemico-Biological Interactions</i> , 2017, 267, 40-47.	4.0	10
68	Actinide-contaminated Skin: Comparing Decontamination Efficacy of Water, Cleansing Gels, and DTPA Gels. <i>Health Physics</i> , 2018, 115, 12-20.	0.5	10
69	Effect of a High-Pressure-Induced Freezing Process on the Stability of Freeze-Dried Nanocapsules. <i>Drying Technology</i> , 2008, 26, 1199-1207.	3.1	9
70	Hot homogenization process optimization for fragrance encapsulation in solid lipid nanoparticles. <i>Flavour and Fragrance Journal</i> , 2015, 30, 467-477.	2.6	9
71	Skin Absorption of Anions: Part Two. Skin Absorption of Halide Ions. <i>Pharmaceutical Research</i> , 2016, 33, 1576-1586.	3.5	9
72	The effect of vehicle on skin absorption of Mg ²⁺ and Ca ²⁺ from thermal spring water. <i>International Journal of Cosmetic Science</i> , 2020, 42, 248-258.	2.6	9

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73	Development of a new ethylcellulose pseudolatex for coating. Drug Development Research, 2000, 50, 157-162.	2.9	8
74	Integrity characterization of myoglobin released from poly($\hat{\mu}$ -caprolactone) microspheres using two analytical methods: UV/Vis spectrometry and conductometric bi-enzymatic biosensor. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 78, 298-305.	4.3	7
75	Encapsulation of hydrophobic allergens into nanoparticles improves the in vitro immunological diagnosis of allergic contact dermatitis. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 1029-1033.	3.3	7
76	Processing-induced-transformations (PITs) during direct compression: impact of compression speeds on phase transition of caffeine. Drug Development and Industrial Pharmacy, 2016, 42, 1857-1864.	2.0	7
77	Inorganic ions in the skin: Allies or enemies?. International Journal of Pharmaceutics, 2020, 591, 119991.	5.2	7
78	Supersaturable self-microemulsifying delivery systems: an approach to enhance oral bioavailability of benzimidazole anticancer drugs. Drug Delivery and Translational Research, 2021, 11, 675-691.	5.8	7
79	Experimental study of tensile strength of pharmaceutical tablets: effect of the diluent nature and compression pressure. EPJ Web of Conferences, 2017, 140, 13002.	0.3	6
80	Formulation of survival acceptor medium able to maintain the viability of skin explants over <i>in vitro</i> dermal experiments. International Journal of Cosmetic Science, 2019, 41, 617-623.	2.6	6
81	Pickering Emulsions for Controlled Drug Delivery to the Skin. , 2015, , 267-281.		5
82	rhEGF microsphere formulation and <i>in vitro</i> skin evaluation. Journal of Microencapsulation, 2010, 27, 14-24.	2.8	4
83	Skin absorption of actinides: influence of solvents or chelates on skin penetration <i>ex vivo</i> . International Journal of Radiation Biology, 2017, 93, 607-616.	1.8	4
84	Encapsulation of a pressure-sensitive adhesive by spray-drying: microparticles preparation and evaluation of their crushing strength. Journal of Microencapsulation, 2012, 29, 185-193.	2.8	3
85	Monitoring of Protein Release from Poly($\hat{\mu}$ -caprolactone) Microspheres Using a Conductometric Biosensor. Sensor Letters, 2009, 7, 818-823.	0.4	2
86	Microencapsulation of dehydroepiandrosterone (DHEA) with poly(ortho ester) polymers by interfacial polycondensation. Journal of Microencapsulation, 2003, 20, 637-651.	2.8	2
87	A Novel Preparation of Biodegradable Polymer-Silica Nanocomposites by Two Different Encapsulation Methods. Journal of Composite Materials, 2009, 43, 3023-3030.	2.4	0
88	Confocal Raman Spectroscopy as a Tool to Investigate the Action of Penetration Enhancers Inside the Skin. , 2017, , 229-246.		0
89	D \hat{A} contamination s \hat{A} che de toxiques chimique et biologique. Medecine De Catastrophe Urgences Collectives, 2020, 4, 313-316.	0.0	0
90	Skin absorption of mixed halide anions from concentrated aqueous solutions. European Journal of Pharmaceutical Sciences, 2021, 166, 105985.	4.0	0