

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	Nanocomposite systems for precise oral delivery of drugs and biologics. Drug Delivery and Translational Research, 2021, 11, 445-470.	5.8	24
2	Nanomedicine for Gene Delivery and Drug Repurposing in the Treatment of Muscular Dystrophies. Pharmaceutics, 2021, 13, 278.	4.5	17
3	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
4	Nanocomposite sponges for enhancing intestinal residence time following oral administration. Journal of Controlled Release, 2021, 333, 579-592.	9.9	16
5	Skin absorption of mixed halide anions from concentrated aqueous solutions. European Journal of Pharmaceutical Sciences, 2021, 166, 105985.	4.0	0
6	Inorganic ions in the skin: Allies or enemies?. International Journal of Pharmaceutics, 2020, 591, 119991.	5.2	7
7	Décontamination d'une tache de toxiques chimique et biologique. Medecine De Catastrophe Urgences Collectives, 2020, 4, 313-316.	0.0	0
8	The effect of vehicle on skin absorption of Mg ²⁺ and Ca ²⁺ from thermal spring water. International Journal of Cosmetic Science, 2020, 42, 248-258.	2.6	9
9	Development and structural characterization of a novel nanoemulsion for oral drug delivery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 593, 124614.	4.7	24
10	Metal oxide nanoparticles for the decontamination of toxic chemical and biological compounds. International Journal of Pharmaceutics, 2020, 583, 119373.	5.2	27
11	Synthesis routes of CeO ₂ nanoparticles dedicated to organophosphorus degradation: a benchmark. CrystEngComm, 2020, 22, 1725-1737.	2.6	20
12	Rationally designed hyaluronic acid-based nano-complexes for pentamidine delivery. International Journal of Pharmaceutics, 2019, 568, 118526.	5.2	24
13	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
14	Subtle and unexpected role of PEG in tuning the penetration mechanisms of PLA-based nano-formulations into intact and impaired skin. International Journal of Pharmaceutics, 2019, 563, 79-90.	5.2	12
15	Shape-selective synthesis of nanoceria for degradation of paraoxon as a chemical warfare simulant. Physical Chemistry Chemical Physics, 2019, 21, 5455-5465.	2.8	45
16	Drug delivery to tumours using a novel 5-FU derivative encapsulated into lipid nanocapsules. Journal of Drug Targeting, 2019, 27, 634-645.	4.4	21
17	Effect of surface chemistry of polymeric nanoparticles on cutaneous penetration of cholecalciferol. International Journal of Pharmaceutics, 2018, 553, 120-131.	5.2	19
18	Actinide-contaminated Skin: Comparing Decontamination Efficacy of Water, Cleansing Gels, and DTPA Gels. Health Physics, 2018, 115, 12-20.	0.5	10

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19	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
20	In <i>vitro</i> 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
21	Skin absorption of actinides: influence of solvents or chelates on skin penetration <i>ex vivo</i> . <i>International Journal of Radiation Biology</i> , 2017, 93, 607-616.	1.8	4
22	Confocal Raman Spectroscopy as a Tool to Investigate the Action of Penetration Enhancers Inside the Skin. , 2017, , 229-246.		0
23	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
24	Orodispersible films based on amorphous solid dispersions of tetrabenazine. <i>International Journal of Pharmaceutics</i> , 2017, 518, 242-252.	5.2	22
25	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
26	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
27	Experimental study of tensile strength of pharmaceutical tablets: effect of the diluent nature and compression pressure. <i>EPJ Web of Conferences</i> , 2017, 140, 13002.	0.3	6
28	Skin Absorption of Anions: Part One. Methodology for In Vitro Cutaneous Absorption Measurements. <i>Pharmaceutical Research</i> , 2016, 33, 1564-1575.	3.5	10
29	Pickering emulsions for skin decontamination. <i>Toxicology in Vitro</i> , 2016, 34, 45-54.	2.4	24
30	Processing-induced-transformations (PITs) during direct compression: impact of compression speeds on phase transition of caffeine. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 1857-1864.	2.0	7
31	Skin Absorption of Anions: Part Two. Skin Absorption of Halide Ions. <i>Pharmaceutical Research</i> , 2016, 33, 1576-1586.	3.5	9
32	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
33	Hot homogenization process optimization for fragrance encapsulation in solid lipid nanoparticles. <i>Flavour and Fragrance Journal</i> , 2015, 30, 467-477.	2.6	9
34	Pickering Emulsions for Controlled Drug Delivery to the Skin. , 2015, , 267-281.		5
35	Surfactants have multi-fold effects on skin barrier function. <i>European Journal of Dermatology</i> , 2015, 25, 424-435.	0.6	24
36	Skin toxicity of surfactants: Structure/toxicity relationships. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 469, 166-179.	4.7	96

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37	Encapsulation of hydrophobic allergens into nanoparticles improves the in vitro immunological diagnosis of allergic contact dermatitis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 1029-1033.	3.3	7
38	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
39	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
40	Formation of microcapsules by complex coacervation. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 183-191.	1.7	33
41	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
42	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
43	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
44	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
45	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
46	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
47	Encapsulation of a pressure-sensitive adhesive by spray-drying: microparticles preparation and evaluation of their crushing strength. <i>Journal of Microencapsulation</i> , 2012, 29, 185-193.	2.8	3
48	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
49	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
50	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
51	Integrity characterization of myoglobin released from poly(ϵ -caprolactone) microspheres using two analytical methods: UV/Vis spectrometry and conductometric bi-enzymatic biosensor. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 78, 298-305.	4.3	7
52	Human scalp permeability to the chemical warfare agent VX. <i>Toxicology in Vitro</i> , 2011, 25, 1974-1980.	2.4	26
53	Confocal Raman microspectroscopy of the skin. <i>European Journal of Dermatology</i> , 2011, 21, 851-863.	0.6	28
54	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

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55	Industrial pressure sensitive adhesives suitable for physicochemical microencapsulation. <i>International Journal of Adhesion and Adhesives</i> , 2011, 31, 629-633.	2.9	11
56	Ingredients Tracking of Cosmetic Formulations in the Skin: A Confocal Raman Microscopy Investigation. <i>Pharmaceutical Research</i> , 2011, 28, 858-872.	3.5	48
57	Nanoparticles through the skin: managing conflicting results of inorganic and organic particles in cosmetics and pharmaceuticals. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2011, 3, 463-478.	6.1	53
58	Determination of poly(ϵ -caprolactone) solubility parameters: Application to solvent substitution in a microencapsulation process. <i>International Journal of Pharmaceutics</i> , 2010, 383, 236-243.	5.2	174
59	Skin contamination by radiopharmaceuticals and decontamination strategies. <i>International Journal of Pharmaceutics</i> , 2010, 402, 44-49.	5.2	23
60	rhEGF microsphere formulation and in vitro skin evaluation. <i>Journal of Microencapsulation</i> , 2010, 27, 14-24.	2.8	4
61	A Novel Preparation of Biodegradable Polymer-Silica Nanocomposites by Two Different Encapsulation Methods. <i>Journal of Composite Materials</i> , 2009, 43, 3023-3030.	2.4	0
62	Topical delivery of cosmetics and drugs. Molecular aspects of percutaneous absorption and delivery. <i>European Journal of Dermatology</i> , 2009, 19, 309-323.	0.6	71
63	Monitoring of Protein Release from Poly(ϵ -caprolactone) Microspheres Using a Conductometric Biosensor. <i>Sensor Letters</i> , 2009, 7, 818-823.	0.4	2
64	Mechanism of nanocapsules formation by the emulsion-diffusion process. <i>Journal of Colloid and Interface Science</i> , 2008, 317, 458-468.	9.4	151
65	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
66	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
67	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
68	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
69	Improvement of a bovine serum albumin microencapsulation process by screening design. <i>International Journal of Pharmaceutics</i> , 2007, 344, 16-25.	5.2	43
70	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
71	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
72	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

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73	Stability Studies on Colloidal Suspensions of Polyurethane Nanocapsules. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3187-3192.	0.9	16
74	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
75	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
76	Polyamides nanocapsules: Modeling and wall thickness estimation. <i>AIChE Journal</i> , 2006, 52, 2161-2170.	3.6	35
77	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
78	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
79	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
80	Nano-emulsion formulation using spontaneous emulsification: solvent, oil and surfactant optimisation. <i>International Journal of Pharmaceutics</i> , 2004, 280, 241-251.	5.2	700
81	New approach of the Preparation of Nanocapsules by an Interfacial Polycondensation Reaction. <i>Polymer Bulletin</i> , 2003, 50, 169-174.	3.3	14
82	Poly(D,L-lactic acid) nanoparticle preparation and colloidal characterization. <i>Colloid and Polymer Science</i> , 2003, 281, 1184-1190.	2.1	53
83	Kinetic parameter estimation and modelling of sucrose esters synthesis without solvent. <i>Chemical Engineering Science</i> , 2003, 58, 367-376.	3.8	14
84	Microencapsulation of dehydroepiandrosterone (DHEA) with poly(ortho ester) polymers by interfacial polycondensation. <i>Journal of Microencapsulation</i> , 2003, 20, 637-651.	2.8	2
85	Study of the emulsion-diffusion of solvent: preparation and characterization of nanocapsules. <i>Drug Development Research</i> , 2002, 57, 18-33.	2.9	39
86	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
87	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
88	Development of a new ethylcellulose pseudolatex for coating. <i>Drug Development Research</i> , 2000, 50, 157-162.	2.9	8
89	Modelling of crystalline layer growth using kinetic data obtained from suspension crystallization. <i>Chemical Engineering Journal</i> , 1998, 70, 55-64.	12.7	10
90	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