Eliana B Souto

List of Publications by Year
in descending order

119 papers	8,565 citations	38742 50 h-index	45317 90 g-index
120 all docs	120 docs citations	120 times ranked	9505 citing authors

#	Article	IF	Citations
1	Biofate and cellular interactions of lipid nanoparticles. , 2022, , 211-246.		0
2	Nutraceuticals and functional beverages: Focus on Prebiotics and Probiotics active beverages. , 2022, , 251-258.		0
3	Microemulsions and Nanoemulsions in Skin Drug Delivery. Bioengineering, 2022, 9, 158.	3.5	72
4	Deep-frying purple potato Purple Majesty using sunflower oil: effect on the polyphenols, anthocyanins and antioxidant activity. Heliyon, 2022, 8, e09337.	3.2	7
5	Almond oil O/W nanoemulsions: Potential application for ocular delivery. Journal of Drug Delivery Science and Technology, 2022, 72, 103424.	3.0	3
6	Basal Cell Carcinoma: Pathology, Current Clinical Treatment, and Potential Use of Lipid Nanoparticles. Cancers, 2022, 14, 2778.	3.7	4
7	Customized cationic nanoemulsions loading triamcinolone acetonide for corneal neovascularization secondary to inflammatory processes. International Journal of Pharmaceutics, 2022, 623, 121938.	5.2	9
8	Opuntia spp. in Cosmetics and Pharmaceuticals. , 2021, , 953-959.		0
9	In Vitro Methodologies for Toxicological Assessment of Drug Delivery Nanocarriers. Environmental Chemistry for A Sustainable World, 2021, , 203-227.	0.5	0
10	Histological Evidence of Wound Healing Improvement in Rats Treated with Oral Administration of Hydroalcoholic Extract of Vitis labrusca. Current Issues in Molecular Biology, 2021, 43, 335-352.	2.4	25
11	Encapsulation of Active Pharmaceutical Ingredients in Lipid Micro/Nanoparticles for Oral Administration by Spray-Cooling. Pharmaceutics, 2021, 13, 1186.	4.5	23
12	Nanotherapeutics and nanotheragnostics for cancers: properties, pharmacokinetics, biopharmaceutics, and biosafety. Current Pharmaceutical Design, 2021, 27, .	1.9	1
13	Bee Products: A Representation of Biodiversity, Sustainability, and Health. Life, 2021, 11, 970.	2.4	29
14	Effect of nanoencapsulation of blueberry (Vaccinium myrtillus): A green source of flavonoids with antioxidant and photoprotective properties. Sustainable Chemistry and Pharmacy, 2021, 23, 100515.	3.3	7
15	Mono- and Dicationic DABCO/Quinuclidine Composed Nanomaterials for the Loading of Steroidal Drug: 32 Factorial Design and Physicochemical Characterization. Nanomaterials, 2021, 11, 2758.	4.1	9
16	Fruit Wastes as a Valuable Source of Value-Added Compounds: A Collaborative Perspective. Molecules, 2021, 26, 6338.	3.8	46
17	How could nanobiotechnology improve treatment outcomes of anti-TNF-Î± therapy in inflammatory bowel disease? Current knowledge, future directions. Journal of Nanobiotechnology, 2021, 19, 346.	9.1	10
18	Lipid Nanocarriers for Hyperproliferative Skin Diseases. Cancers, 2021, 13, 5619.	3.7	8

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19	Antioxidant Properties of Bee Products Derived from Medicinal Plants as Beekeeping Sources. Agriculture (Switzerland), 2021, 11, 1136.	3.1	12
20	Loading of 5-aminosalicylic in solid lipid microparticles (SLM). Journal of Thermal Analysis and Calorimetry, 2020, 139, 1151-1159.	3.6	8
21	Grape Seeds: Chromatographic Profile of Fatty Acids and Phenolic Compounds and Qualitative Analysis by FTIR-ATR Spectroscopy. Foods, 2020, 9, 10.	4.3	93
22	Study of pre-formulation and development of solid lipid nanoparticles containing perillyl alcohol. Journal of Thermal Analysis and Calorimetry, 2020, 141, 767-774.	3.6	15
23	Croton argyrophyllus Kunth Essential Oil-Loaded Solid Lipid Nanoparticles: Evaluation of Release Profile, Antioxidant Activity and Cytotoxicity in a Neuroblastoma Cell Line. Sustainability, 2020, 12, 7697.	3.2	9
24	Applications of Natural, Semi-Synthetic, and Synthetic Polymers in Cosmetic Formulations. Cosmetics, 2020, 7, 75.	3.3	63
25	Natural Ergot Alkaloids in Ocular Pharmacotherapy: Known Molecules for Novel Nanoparticle-Based Delivery Systems. Biomolecules, 2020, 10, 980.	4.0	11
26	Sage Species Case Study on a Spontaneous Mediterranean Plant to Control Phytopathogenic Fungi and Bacteria. Forests, 2020, 11, 704.	2.1	13
27	Vitex agnus-castus L.: Main Features and Nutraceutical Perspectives. Forests, 2020, 11, 761.	2.1	7
28	Olive Pulp and Exogenous Enzymes Feed Supplementation Effect on the Carcass and Offal in Broilers: A Preliminary Study. Agriculture (Switzerland), 2020, 10, 359.	3.1	9
29	Stearic Acid, Beeswax and Carnauba Wax as Green Raw Materials for the Loading of Carvacrol into Nanostructured Lipid Carriers. Applied Sciences (Switzerland), 2020, 10, 6267.	2.5	14
30	Spouted Bed Dried Rosmarinus officinalis Extract: A Novel Approach for Physicochemical Properties and Antioxidant Activity. Agriculture (Switzerland), 2020, 10, 349.	3.1	9
31	Spray-Dried Structured Lipid Carriers for the Loading of Rosmarinus officinalis: New Nutraceutical and Food Preservative. Foods, 2020, 9, 1110.	4.3	5
32	Polymeric Nanoparticles: Production, Characterization, Toxicology and Ecotoxicology. Molecules, 2020, 25, 3731.	3.8	640
33	Neurotensins and their therapeutic potential: research field study. Future Medicinal Chemistry, 2020, 12, 1779-1803.	2.3	2
34	Two- and Three-Dimensional Spectrofluorimetric Qualitative Analysis of Selected Vegetable Oils for Biomedical Applications. Molecules, 2020, 25, 5608.	3.8	1
35	Nanopharmaceuticals for Eye Administration: Sterilization, Depyrogenation and Clinical Applications. Biology, 2020, 9, 336.	2.8	11
36	Factors Affecting the Retention Efficiency and Physicochemical Properties of Spray Dried Lipid Nanoparticles Loaded with Lippia sidoides Essential Oil. Biomolecules, 2020, 10, 693.	4.0	15

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37	The Nutraceutical Value of Carnitine and Its Use in Dietary Supplements. Molecules, 2020, 25, 2127.	3.8	25
38	Quinoline- and Benzoselenazole-Derived Unsymmetrical Squaraine Cyanine Dyes: Design, Synthesis, Photophysicochemical Features and Light-Triggerable Antiproliferative Effects against Breast Cancer Cell Lines. Materials, 2020, 13, 2646.	2.9	11
39	Praziquantel-loaded solid lipid nanoparticles: Production, physicochemical characterization, release profile, cytotoxicity and in vitro activity against Schistosoma mansoni. Journal of Drug Delivery Science and Technology, 2020, 58, 101784.	3.0	14
40	Hawthorn (Crataegus spp.): An Updated Overview on Its Beneficial Properties. Forests, 2020, 11, 564.	2.1	44
41	Nanopharmaceutics: Part IIâ€"Production Scales and Clinically Compliant Production Methods. Nanomaterials, 2020, 10, 455.	4.1	55
42	Nanomedicines for the Delivery of Antimicrobial Peptides (AMPs). Nanomaterials, 2020, 10, 560.	4.1	83
43	Ocular Cell Lines and Genotoxicity Assessment. International Journal of Environmental Research and Public Health, 2020, 17, 2046.	2.6	10
44	Loading, release profile and accelerated stability assessment of monoterpenes-loaded solid lipid nanoparticles (SLN). Pharmaceutical Development and Technology, 2020, 25, 832-844.	2.4	52
45	Lignans: Quantitative Analysis of the Research Literature. Frontiers in Pharmacology, 2020, 11, 37.	3.5	35
46	Nanomaterials for Skin Delivery of Cosmeceuticals and Pharmaceuticals. Applied Sciences (Switzerland), 2020, 10, 1594.	2.5	79
47	(+)-Limonene 1,2-Epoxide-Loaded SLNs: Evaluation of Drug Release, Antioxidant Activity, and Cytotoxicity in an HaCaT Cell Line. International Journal of Molecular Sciences, 2020, 21, 1449.	4.1	62
48	Perillaldehyde 1,2-epoxide Loaded SLN-Tailored mAb: Production, Physicochemical Characterization and In Vitro Cytotoxicity Profile in MCF-7 Cell Lines. Pharmaceutics, 2020, 12, 161.	4.5	36
49	Properties, Extraction Methods, and Delivery Systems for Curcumin as a Natural Source of Beneficial Health Effects. Medicina (Lithuania), 2020, 56, 336.	2.0	55
50	Nanotoxicology and Nanosafety: Safety-by-Design and Testing at a Glance. International Journal of Environmental Research and Public Health, 2020, 17, 4657.	2.6	114
51	Nanopharmaceutics: Part Iâ€"Clinical Trials Legislation and Good Manufacturing Practices (GMP) of Nanotherapeutics in the EU. Pharmaceutics, 2020, 12, 146.	4.5	75
52	SLN and NLC for topical, dermal, and transdermal drug delivery. Expert Opinion on Drug Delivery, 2020, 17, 357-377.	5.0	186
53	Sucupira Oil-Loaded Nanostructured Lipid Carriers (NLC): Lipid Screening, Factorial Design, Release Profile, and Cytotoxicity. Molecules, 2020, 25, 685.	3.8	60
54	New Nanotechnologies for the Treatment and Repair of Skin Burns Infections. International Journal of Molecular Sciences, 2020, 21, 393.	4.1	80

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55	Multiple Cell Signalling Pathways of Human Proinsulin C-Peptide in Vasculopathy Protection. International Journal of Molecular Sciences, 2020, 21, 645.	4.1	10
56	Diabetic Retinopathy and Ocular Melanoma: How Far We Are?. Applied Sciences (Switzerland), 2020, 10, 2777.	2.5	1
57	An Updated Overview on Nanonutraceuticals: Focus on Nanoprebiotics and Nanoprobiotics. International Journal of Molecular Sciences, 2020, 21, 2285.	4.1	65
58	Dexibuprofen Biodegradable Nanoparticles: One Step Closer towards a Better Ocular Interaction Study. Nanomaterials, 2020, 10, 720.	4.1	44
59	In Vitro Characterization, Modelling, and Antioxidant Properties of Polyphenon-60 from Green Tea in Eudragit S100-2 Chitosan Microspheres. Nutrients, 2020, 12, 967.	4.1	16
60	Big impact of nanoparticles: analysis of the most cited nanopharmaceuticals and nanonutraceuticals research. Current Research in Biotechnology, 2020, 2, 53-63.	3.7	63
61	Ready to Use Therapeutical Beverages: Focus on Functional Beverages Containing Probiotics, Prebiotics and Synbiotics. Beverages, 2020, 6, 26.	2.8	46
62	Ethical issues in research and development of nanoparticles. , 2020, , 157-168.		3
63	Analytical tools and evaluation strategies for nanostructured lipid carrier-based topical delivery systems. Expert Opinion on Drug Delivery, 2020, 17, 963-992.	5.0	23
64	Characteristics, Occurrence, Detection and Detoxification of Aflatoxins in Foods and Feeds. Foods, 2020, 9, 644.	4.3	80
65	Key production parameters for the development of solid lipid nanoparticles by high shear homogenization. Pharmaceutical Development and Technology, 2019, 24, 1181-1185.	2.4	37
66	Development and Optimization of Alpha-Pinene-Loaded Solid Lipid Nanoparticles (SLN) Using Experimental Factorial Design and Dispersion Analysis. Molecules, 2019, 24, 2683.	3.8	52
67	In Vitro Cytotoxicity of Oleanolic/Ursolic Acids-Loaded in PLGA Nanoparticles in Different Cell Lines. Pharmaceutics, 2019, 11, 362.	4.5	52
68	Polyphenols: A concise overview on the chemistry, occurrence, and human health. Phytotherapy Research, 2019, 33, 2221-2243.	5.8	493
69	Sirtuins and SIRT6 in Carcinogenesis and in Diet. International Journal of Molecular Sciences, 2019, 20, 4945.	4.1	19
70	Soft Cationic Nanoparticles for Drug Delivery: Production and Cytotoxicity of Solid Lipid Nanoparticles (SLNs). Applied Sciences (Switzerland), 2019, 9, 4438.	2.5	43
71	Evaluation of the Influence of Process Parameters on the Properties of Resveratrol-Loaded NLC Using 22 Full Factorial Design. Antioxidants, 2019, 8, 272.	5.1	40
72	The Therapeutic Potential of Apigenin. International Journal of Molecular Sciences, 2019, 20, 1305.	4.1	639

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73	Polyphenols for skin cancer: Chemical properties, structure-related mechanisms of action and new delivery systems. Studies in Natural Products Chemistry, 2019, 63, 21-42.	1.8	18
74	Quantification of Trans-Resveratrol-Loaded Solid Lipid Nanoparticles by a Validated Reverse-Phase HPLC Photodiode Array. Applied Sciences (Switzerland), 2019, 9, 4961.	2.5	17
75	Nanoparticle Delivery Systems in the Treatment of Diabetes Complications. Molecules, 2019, 24, 4209.	3.8	114
76	Surface-tailored anti-HER2/neu-solid lipid nanoparticles for site-specific targeting MCF-7 and BT-474 breast cancer cells. European Journal of Pharmaceutical Sciences, 2019, 128, 27-35.	4.0	43
77	Hansen solubility parameters (HSP) for prescreening formulation of solid lipid nanoparticles (SLN): in vitro testing of curcumin-loaded SLN in MCF-7 and BT-474 cell lines. Pharmaceutical Development and Technology, 2018, 23, 96-105.	2.4	39
78	Solid lipid nanoparticles optimized by 22 factorial design for skin administration: Cytotoxicity in NIH3T3 fibroblasts. Colloids and Surfaces B: Biointerfaces, 2018, 171, 501-505.	5.0	51
79	Linalool bioactive properties and potential applicability in drug delivery systems. Colloids and Surfaces B: Biointerfaces, 2018, 171, 566-578.	5.0	139
80	Psoriasis vulgarisâ€"Pathophysiology of the disease and its classical treatment versus new drug delivery systems. , 2018, , 379-406.		7
81	Nanoparticle-Delivered 2-PAM for Rat Brain Protection against Paraoxon Central Toxicity. ACS Applied Materials & Interfaces, 2017, 9, 16922-16932.	8.0	46
82	Cancer therapies: applications, nanomedicines and nanotoxicology. , 2017, , 241-260.		2
83	Role of Excipients in formulation development and biocompatibility of lipid nanoparticles (SLNs/NLCs). , 2017, , 811-843.		16
84	Advances in nanobiomaterials for oncology nanomedicine. , 2016, , 91-115.		9
85	Biopharmaceutical evaluation of epigallocatechin gallate-loaded cationic lipid nanoparticles (EGCG-LNs): In vivo , in vitro and ex vivo studies. International Journal of Pharmaceutics, 2016, 502, 161-169.	5.2	101
86	In vitro , ex vivo and in vivo characterization of PLGA nanoparticles loading pranoprofen for ocular administration. International Journal of Pharmaceutics, 2016, 511, 719-727.	5.2	60
87	Preclinical safety of solid lipid nanoparticles and nanostructured lipid carriers: Current evidence from in vitro and in vivo evaluation. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 108, 235-252.	4.3	203
88	Biopharmaceutical profile of hydrogels containing pranoprofen-loaded PLGA nanoparticles for skin administration: In vitro , ex vivo and in vivo characterization. International Journal of Pharmaceutics, 2016, 501, 350-361.	5.2	35
89	Biopharmaceutical profile of pranoprofen-loaded PLGA nanoparticles containing hydrogels for ocular administration. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 95, 261-270.	4.3	91
90	Effect of mucoadhesive polymers on the in vitro performance of insulin-loaded silica nanoparticles: Interactions with mucin and biomembrane models. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 93, 118-126.	4.3	85

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91	Physicochemical characterization of epigallocatechin gallate lipid nanoparticles (EGCG-LNs) for ocular instillation. Colloids and Surfaces B: Biointerfaces, 2014, 123, 452-460.	5.0	85
92	Surface engineering of silica nanoparticles for oral insulin delivery: Characterization and cell toxicity studies. Colloids and Surfaces B: Biointerfaces, 2014, 123, 916-923.	5.0	93
93	Nanotoxicology applied to solid lipid nanoparticles and nanostructured lipid carriers â€“ A systematic review of in vitro data. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 87, 1-18.	4.3	327
94	Solid lipid nanoparticles for hydrophilic biotech drugs: Optimization and cell viability studies (Caco-2) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	5.5	64
95	Design of cationic lipid nanoparticles for ocular delivery: Development, characterization and cytotoxicity. International Journal of Pharmaceutics, 2014, 461, 64-73.	5.2	118
96	Comet assay reveals no genotoxicity risk of cationic solid lipid nanoparticles. Journal of Applied Toxicology, 2014, 34, 395-403.	2.8	45
97	Nanoemulsions (NEs), liposomes (LPs) and solid lipid nanoparticles (SLNs) for retinyl palmitate: Effect on skin permeation. International Journal of Pharmaceutics, 2014, 473, 591-598.	5.2	111
98	Development and evaluation of lipid nanocarriers for quercetin delivery: A comparative study of solid lipid nanoparticles (SLN), nanostructured lipid carriers (NLC), and lipid nanoemulsions (LNE). LWT - Food Science and Technology, 2014, 59, 115-121.	5.2	208
99	Nanoencapsulation of polyphenols for protective effect against colonâ€“rectal cancer. Biotechnology Advances, 2013, 31, 514-523.	11.7	97
100	Hydrophilic coating of mitotane-loaded lipid nanoparticles: Preliminary studies for mucosal adhesion. Pharmaceutical Development and Technology, 2013, 18, 577-581.	2.4	37
101	Solid Lipid Nanoparticles (SLNâ„¢). , 2013, , 91-116.		8
102	Current State-of-Art and New Trends on Lipid Nanoparticles (SLN and NLC) for Oral Drug Delivery. Journal of Drug Delivery, 2012, 2012, 1-10.	2.5	236
103	Release profile and transscleral permeation of triamcinolone acetonide loaded nanostructured lipid carriers (TA-NLC): in vitro and ex vivo studies. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 1034-1041.	3.3	80
104	Nanomedicines for Immunization and Vaccines. , 2012, , 435-450.		0
105	Improved and Safe Transcorneal Delivery of Flurbiprofen by NLC and NLC-Based Hydrogels. Journal of Pharmaceutical Sciences, 2012, 101, 707-725.	3.3	63
106	Nanostructured lipid carriers for triamcinolone acetonide delivery to the posterior segment of the eye. Colloids and Surfaces B: Biointerfaces, 2011, 88, 150-157.	5.0	139
107	Feasibility of Lipid Nanoparticles for Ocular Delivery of Anti-Inflammatory Drugs. Current Eye Research, 2010, 35, 537-552.	1.5	117
108	Formulating fluticasone propionate in novel PEG-containing nanostructured lipid carriers (PEG-NLC). Colloids and Surfaces B: Biointerfaces, 2010, 75, 538-542.	5.0	118

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109	Curcuminoids-loaded lipid nanoparticles: Novel approach towards malaria treatment. Colloids and Surfaces B: Biointerfaces, 2010, 81, 263-273.	5.0	215
110	Nanoparticulate strategies for effective delivery of poorly soluble therapeutics. Therapeutic Delivery, 2010, 1, 149-167.	2.2	17
111	Lipid Nanoparticles: Effect on Bioavailability and Pharmacokinetic Changes. Handbook of Experimental Pharmacology, 2010, , 115-141.	1.8	155
112	Nanomedicines for ocular NSAIDs: safety on drug delivery. Nanomedicine: Nanotechnology, Biology, and Medicine, 2009, 5, 394-401.	3.3	196
113	Q10-loaded NLC versus nanoemulsions: Stability, rheology and in vitro skin permeation. International Journal of Pharmaceutics, 2009, 377, 207-214.	5.2	136
114	Solid Lipid Nanoparticle Formulations: Pharmacokinetic and Biopharmaceutical Aspects in Drug Delivery. Methods in Enzymology, 2009, 464, 105-129.	1.0	75
115	Nanostructured lipid carrier-based hydrogel formulations for drug delivery: A comprehensive review. Expert Opinion on Drug Delivery, 2009, 6, 165-176.	5.0	118
116	<I>A Special Issue on</I> Lipid-Based Delivery Systems (Liposomes, Lipid Nanoparticles, Lipid Matrices) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	14
117	Cetyl palmitate-based NLC for topical delivery of Coenzyme Q10 â€“ Development, physicochemical characterization and in vitro release studies. European Journal of Pharmaceutics and Biopharmaceutics, 2007, 67, 141-148.	4.3	265
118	Lipid-based colloidal carriers for peptide and protein delivery--liposomes versus lipid nanoparticles. International Journal of Nanomedicine, 2007, 2, 595-607.	6.7	210
119	Oral insulin delivery by means of solid lipid nanoparticles. International Journal of Nanomedicine, 2007, 2, 743-9.	6.7	149