

Eliana B Souto

List of Publications by Year in descending order

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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	Polymeric Nanoparticles: Production, Characterization, Toxicology and Ecotoxicology. <i>Molecules</i> , 2020, 25, 3731.	3.8	640
2	The Therapeutic Potential of Apigenin. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1305.	4.1	639
3	Polyphenols: A concise overview on the chemistry, occurrence, and human health. <i>Phytotherapy Research</i> , 2019, 33, 2221-2243.	5.8	493
4	Nanotoxicology applied to solid lipid nanoparticles and nanostructured lipid carriers – A systematic review of in vitro data. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 1-18.	4.3	327
5	Cetyl palmitate-based NLC for topical delivery of Coenzyme Q10 – Development, physicochemical characterization and in vitro release studies. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2007, 67, 141-148.	4.3	265
6	Current State-of-Art and New Trends on Lipid Nanoparticles (SLN and NLC) for Oral Drug Delivery. <i>Journal of Drug Delivery</i> , 2012, 2012, 1-10.	2.5	236
7	Curcuminoids-loaded lipid nanoparticles: Novel approach towards malaria treatment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 81, 263-273.	5.0	215
8	Lipid-based colloidal carriers for peptide and protein delivery–liposomes versus lipid nanoparticles. <i>International Journal of Nanomedicine</i> , 2007, 2, 595-607.	6.7	210
9	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). <i>LWT - Food Science and Technology</i> , 2014, 59, 115-121.	5.2	208
10	Preclinical safety of solid lipid nanoparticles and nanostructured lipid carriers: Current evidence from in vitro and in vivo evaluation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 108, 235-252.	4.3	203
11	Nanomedicines for ocular NSAIDs: safety on drug delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2009, 5, 394-401.	3.3	196
12	SLN and NLC for topical, dermal, and transdermal drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 357-377.	5.0	186
13	Lipid Nanoparticles: Effect on Bioavailability and Pharmacokinetic Changes. <i>Handbook of Experimental Pharmacology</i> , 2010, , 115-141.	1.8	155
14	Oral insulin delivery by means of solid lipid nanoparticles. <i>International Journal of Nanomedicine</i> , 2007, 2, 743-9.	6.7	149
15	Nanostructured lipid carriers for triamcinolone acetonide delivery to the posterior segment of the eye. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 150-157.	5.0	139
16	Linalool bioactive properties and potential applicability in drug delivery systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 566-578.	5.0	139
17	Q10-loaded NLC versus nanoemulsions: Stability, rheology and in vitro skin permeation. <i>International Journal of Pharmaceutics</i> , 2009, 377, 207-214.	5.2	136
18	Nanostructured lipid carrier-based hydrogel formulations for drug delivery: A comprehensive review. <i>Expert Opinion on Drug Delivery</i> , 2009, 6, 165-176.	5.0	118

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19	Formulating fluticasone propionate in novel PEG-containing nanostructured lipid carriers (PEG-NLC). <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 75, 538-542.	5.0	118
20	Design of cationic lipid nanoparticles for ocular delivery: Development, characterization and cytotoxicity. <i>International Journal of Pharmaceutics</i> , 2014, 461, 64-73.	5.2	118
21	Feasibility of Lipid Nanoparticles for Ocular Delivery of Anti-Inflammatory Drugs. <i>Current Eye Research</i> , 2010, 35, 537-552.	1.5	117
22	Nanoparticle Delivery Systems in the Treatment of Diabetes Complications. <i>Molecules</i> , 2019, 24, 4209.	3.8	114
23	Nanotoxicology and Nanosafety: Safety-by-Design and Testing at a Glance. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4657.	2.6	114
24	Nanoemulsions (NEs), liposomes (LPs) and solid lipid nanoparticles (SLNs) for retinyl palmitate: Effect on skin permeation. <i>International Journal of Pharmaceutics</i> , 2014, 473, 591-598.	5.2	111
25	Biopharmaceutical evaluation of epigallocatechin gallate-loaded cationic lipid nanoparticles (EGCG-LNs): In vivo , in vitro and ex vivo studies. <i>International Journal of Pharmaceutics</i> , 2016, 502, 161-169.	5.2	101
26	Nanoencapsulation of polyphenols for protective effect against colonâ€œrectal cancer. <i>Biotechnology Advances</i> , 2013, 31, 514-523.	11.7	97
27	Surface engineering of silica nanoparticles for oral insulin delivery: Characterization and cell toxicity studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 916-923.	5.0	93
28	Grape Seeds: Chromatographic Profile of Fatty Acids and Phenolic Compounds and Qualitative Analysis by FTIR-ATR Spectroscopy. <i>Foods</i> , 2020, 9, 10.	4.3	93
29	Biopharmaceutical profile of pranoprofen-loaded PLGA nanoparticles containing hydrogels for ocular administration. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 95, 261-270.	4.3	91
30	Physicochemical characterization of epigallocatechin gallate lipid nanoparticles (EGCG-LNs) for ocular instillation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 452-460.	5.0	85
31	Effect of mucoadhesive polymers on the in vitro performance of insulin-loaded silica nanoparticles: Interactions with mucin and biomembrane models. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 93, 118-126.	4.3	85
32	Nanomedicines for the Delivery of Antimicrobial Peptides (AMPs). <i>Nanomaterials</i> , 2020, 10, 560.	4.1	83
33	Release profile and transscleral permeation of triamcinolone acetate loaded nanostructured lipid carriers (TA-NLC): in vitro and ex vivo studies. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 1034-1041.	3.3	80
34	New Nanotechnologies for the Treatment and Repair of Skin Burns Infections. <i>International Journal of Molecular Sciences</i> , 2020, 21, 393.	4.1	80
35	Characteristics, Occurrence, Detection and Detoxification of Aflatoxins in Foods and Feeds. <i>Foods</i> , 2020, 9, 644.	4.3	80
36	Nanomaterials for Skin Delivery of Cosmeceuticals and Pharmaceuticals. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1594.	2.5	79

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37	Solid Lipid Nanoparticle Formulations: Pharmacokinetic and Biopharmaceutical Aspects in Drug Delivery. <i>Methods in Enzymology</i> , 2009, 464, 105-129.	1.0	75
38	Nanopharmaceutics: Part II – Clinical Trials Legislation and Good Manufacturing Practices (GMP) of Nanotherapeutics in the EU. <i>Pharmaceutics</i> , 2020, 12, 146.	4.5	75
39	Microemulsions and Nanoemulsions in Skin Drug Delivery. <i>Bioengineering</i> , 2022, 9, 158.	3.5	72
40	An Updated Overview on Nanonutraceuticals: Focus on Nanoprebiotics and Nanoprobiotics. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2285.	4.1	65
41	Solid lipid nanoparticles for hydrophilic biotech drugs: Optimization and cell viability studies (Caco-2) Tj ETQq1 1 0.784314 rggBT /Overlo	5.5	64
42	Improved and Safe Transcorneal Delivery of Flurbiprofen by NLC and NLC-Based Hydrogels. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 707-725.	3.3	63
43	Applications of Natural, Semi-Synthetic, and Synthetic Polymers in Cosmetic Formulations. <i>Cosmetics</i> , 2020, 7, 75.	3.3	63
44	Big impact of nanoparticles: analysis of the most cited nanopharmaceuticals and nanonutraceuticals research. <i>Current Research in Biotechnology</i> , 2020, 2, 53-63.	3.7	63
45	(+)-Limonene 1,2-Epoxy-Loaded SLNs: Evaluation of Drug Release, Antioxidant Activity, and Cytotoxicity in an HaCaT Cell Line. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1449.	4.1	62
46	In vitro , ex vivo and in vivo characterization of PLGA nanoparticles loading pranoprofen for ocular administration. <i>International Journal of Pharmaceutics</i> , 2016, 511, 719-727.	5.2	60
47	Sucupira Oil-Loaded Nanostructured Lipid Carriers (NLC): Lipid Screening, Factorial Design, Release Profile, and Cytotoxicity. <i>Molecules</i> , 2020, 25, 685.	3.8	60
48	Nanopharmaceutics: Part II – Production Scales and Clinically Compliant Production Methods. <i>Nanomaterials</i> , 2020, 10, 455.	4.1	55
49	Properties, Extraction Methods, and Delivery Systems for Curcumin as a Natural Source of Beneficial Health Effects. <i>Medicina (Lithuania)</i> , 2020, 56, 336.	2.0	55
50	Development and Optimization of Alpha-Pinene-Loaded Solid Lipid Nanoparticles (SLN) Using Experimental Factorial Design and Dispersion Analysis. <i>Molecules</i> , 2019, 24, 2683.	3.8	52
51	In Vitro Cytotoxicity of Oleanolic/Ursolic Acids-Loaded in PLGA Nanoparticles in Different Cell Lines. <i>Pharmaceutics</i> , 2019, 11, 362.	4.5	52
52	Loading, release profile and accelerated stability assessment of monoterpenes-loaded solid lipid nanoparticles (SLN). <i>Pharmaceutical Development and Technology</i> , 2020, 25, 832-844.	2.4	52
53	Solid lipid nanoparticles optimized by 22 factorial design for skin administration: Cytotoxicity in NIH3T3 fibroblasts. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 501-505.	5.0	51
54	Nanoparticle-Delivered 2-PAM for Rat Brain Protection against Paraoxon Central Toxicity. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 16922-16932.	8.0	46

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55	Ready to Use Therapeutical Beverages: Focus on Functional Beverages Containing Probiotics, Prebiotics and Synbiotics. <i>Beverages</i> , 2020, 6, 26.	2.8	46
56	Fruit Wastes as a Valuable Source of Value-Added Compounds: A Collaborative Perspective. <i>Molecules</i> , 2021, 26, 6338.	3.8	46
57	Comet assay reveals no genotoxicity risk of cationic solid lipid nanoparticles. <i>Journal of Applied Toxicology</i> , 2014, 34, 395-403.	2.8	45
58	Hawthorn (<i>Crataegus</i> spp.): An Updated Overview on Its Beneficial Properties. <i>Forests</i> , 2020, 11, 564.	2.1	44
59	Dexibuprofen Biodegradable Nanoparticles: One Step Closer towards a Better Ocular Interaction Study. <i>Nanomaterials</i> , 2020, 10, 720.	4.1	44
60	Soft Cationic Nanoparticles for Drug Delivery: Production and Cytotoxicity of Solid Lipid Nanoparticles (SLNs). <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4438.	2.5	43
61	Surface-tailored anti-HER2/neu-solid lipid nanoparticles for site-specific targeting MCF-7 and BT-474 breast cancer cells. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 128, 27-35.	4.0	43
62	Evaluation of the Influence of Process Parameters on the Properties of Resveratrol-Loaded NLC Using 22 Full Factorial Design. <i>Antioxidants</i> , 2019, 8, 272.	5.1	40
63	Hansen solubility parameters (HSP) for prescreening formulation of solid lipid nanoparticles (SLN): <i>in vitro</i> testing of curcumin-loaded SLN in MCF-7 and BT-474 cell lines. <i>Pharmaceutical Development and Technology</i> , 2018, 23, 96-105.	2.4	39
64	Hydrophilic coating of mitotane-loaded lipid nanoparticles: Preliminary studies for mucosal adhesion. <i>Pharmaceutical Development and Technology</i> , 2013, 18, 577-581.	2.4	37
65	Key production parameters for the development of solid lipid nanoparticles by high shear homogenization. <i>Pharmaceutical Development and Technology</i> , 2019, 24, 1181-1185.	2.4	37
66	Perillaldehyde 1,2-epoxide Loaded SLN-Tailored mAb: Production, Physicochemical Characterization and In Vitro Cytotoxicity Profile in MCF-7 Cell Lines. <i>Pharmaceutics</i> , 2020, 12, 161.	4.5	36
67	Biopharmaceutical profile of hydrogels containing pranoprofen-loaded PLGA nanoparticles for skin administration: In vitro, ex vivo and in vivo characterization. <i>International Journal of Pharmaceutics</i> , 2016, 501, 350-361.	5.2	35
68	Lignans: Quantitative Analysis of the Research Literature. <i>Frontiers in Pharmacology</i> , 2020, 11, 37.	3.5	35
69	Bee Products: A Representation of Biodiversity, Sustainability, and Health. <i>Life</i> , 2021, 11, 970.	2.4	29
70	The Nutraceutical Value of Carnitine and Its Use in Dietary Supplements. <i>Molecules</i> , 2020, 25, 2127.	3.8	25
71	Histological Evidence of Wound Healing Improvement in Rats Treated with Oral Administration of Hydroalcoholic Extract of <i>Vitis labrusca</i> . <i>Current Issues in Molecular Biology</i> , 2021, 43, 335-352.	2.4	25
72	Encapsulation of Active Pharmaceutical Ingredients in Lipid Micro/Nanoparticles for Oral Administration by Spray-Cooling. <i>Pharmaceutics</i> , 2021, 13, 1186.	4.5	23

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73	Analytical tools and evaluation strategies for nanostructured lipid carrier-based topical delivery systems. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 963-992.	5.0	23
74	Sirtuins and SIRT6 in Carcinogenesis and in Diet. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4945.	4.1	19
75	Polyphenols for skin cancer: Chemical properties, structure-related mechanisms of action and new delivery systems. <i>Studies in Natural Products Chemistry</i> , 2019, 63, 21-42.	1.8	18
76	Nanoparticulate strategies for effective delivery of poorly soluble therapeutics. <i>Therapeutic Delivery</i> , 2010, 1, 149-167.	2.2	17
77	Quantification of Trans-Resveratrol-Loaded Solid Lipid Nanoparticles by a Validated Reverse-Phase HPLC Photodiode Array. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4961.	2.5	17
78	Role of Excipients in formulation development and biocompatibility of lipid nanoparticles (SLNs/NLCs). , 2017, , 811-843.		16
79	In Vitro Characterization, Modelling, and Antioxidant Properties of Polyphenon-60 from Green Tea in Eudragit S100-2 Chitosan Microspheres. <i>Nutrients</i> , 2020, 12, 967.	4.1	16
80	Study of pre-formulation and development of solid lipid nanoparticles containing perillyl alcohol. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 767-774.	3.6	15
81	Factors Affecting the Retention Efficiency and Physicochemical Properties of Spray Dried Lipid Nanoparticles Loaded with Lippia sidoides Essential Oil. <i>Biomolecules</i> , 2020, 10, 693.	4.0	15
82	<l>A Special Issue on</l> Lipid-Based Delivery Systems (Liposomes, Lipid Nanoparticles, Lipid Matrices) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	14
83	Stearic Acid, Beeswax and Carnuba Wax as Green Raw Materials for the Loading of Carvacrol into Nanostructured Lipid Carriers. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6267.	2.5	14
84	Praziquantel-loaded solid lipid nanoparticles: Production, physicochemical characterization, release profile, cytotoxicity and in vitro activity against <i>Schistosoma mansoni</i> . <i>Journal of Drug Delivery Science and Technology</i> , 2020, 58, 101784.	3.0	14
85	Sage Species Case Study on a Spontaneous Mediterranean Plant to Control Phytopathogenic Fungi and Bacteria. <i>Forests</i> , 2020, 11, 704.	2.1	13
86	Antioxidant Properties of Bee Products Derived from Medicinal Plants as Beekeeping Sources. <i>Agriculture (Switzerland)</i> , 2021, 11, 1136.	3.1	12
87	Natural Ergot Alkaloids in Ocular Pharmacotherapy: Known Molecules for Novel Nanoparticle-Based Delivery Systems. <i>Biomolecules</i> , 2020, 10, 980.	4.0	11
88	Nanopharmaceuticals for Eye Administration: Sterilization, Depyrogenation and Clinical Applications. <i>Biology</i> , 2020, 9, 336.	2.8	11
89	Quinoline- and Benzoselenazole-Derived Unsymmetrical Squaraine Cyanine Dyes: Design, Synthesis, Photophysicochemical Features and Light-Triggerable Antiproliferative Effects against Breast Cancer Cell Lines. <i>Materials</i> , 2020, 13, 2646.	2.9	11
90	Ocular Cell Lines and Genotoxicity Assessment. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2046.	2.6	10

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91	Multiple Cell Signalling Pathways of Human Proinsulin C-Peptide in Vasculopathy Protection. International Journal of Molecular Sciences, 2020, 21, 645.	4.1	10
92	How could nanobiotechnology improve treatment outcomes of anti-TNF- α therapy in inflammatory bowel disease? Current knowledge, future directions. Journal of Nanobiotechnology, 2021, 19, 346.	9.1	10
93	Advances in nanobiomaterials for oncology nanomedicine. , 2016, , 91-115.		9
94	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
95	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
96	Spouted Bed Dried Rosmarinus officinalis Extract: A Novel Approach for Physicochemical Properties and Antioxidant Activity. Agriculture (Switzerland), 2020, 10, 349.	3.1	9
97	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
98	Customized cationic nanoemulsions loading triamcinolone acetonide for corneal neovascularization secondary to inflammatory processes. International Journal of Pharmaceutics, 2022, 623, 121938.	5.2	9
99	Solid Lipid Nanoparticles (SLN $\text{\textcircled{c}}$). , 2013, , 91-116.		8
100	Loading of 5-aminosalicylic in solid lipid microparticles (SLM). Journal of Thermal Analysis and Calorimetry, 2020, 139, 1151-1159.	3.6	8
101	Lipid Nanocarriers for Hyperproliferative Skin Diseases. Cancers, 2021, 13, 5619.	3.7	8
102	Psoriasis vulgaris"Pathophysiology of the disease and its classical treatment versus new drug delivery systems. , 2018, , 379-406.		7
103	Vitex agnus-castus L.: Main Features and Nutraceutical Perspectives. Forests, 2020, 11, 761.	2.1	7
104	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
105	Deep-frying purple potato Purple Majesty using sunflower oil: effect on the polyphenols, anthocyanins and antioxidant activity. Heliyon, 2022, 8, e09337.	3.2	7
106	Spray-Dried Structured Lipid Carriers for the Loading of Rosmarinus officinalis: New Nutraceutical and Food Preservative. Foods, 2020, 9, 1110.	4.3	5
107	Basal Cell Carcinoma: Pathology, Current Clinical Treatment, and Potential Use of Lipid Nanoparticles. Cancers, 2022, 14, 2778.	3.7	4
108	Ethical issues in research and development of nanoparticles. , 2020, , 157-168.		3

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109	Almond oil O/W nanoemulsions: Potential application for ocular delivery. Journal of Drug Delivery Science and Technology, 2022, 72, 103424.	3.0	3
110	Cancer therapies: applications, nanomedicines and nanotoxicology. , 2017, , 241-260.		2
111	Neurotensins and their therapeutic potential: research field study. Future Medicinal Chemistry, 2020, 12, 1779-1803.	2.3	2
112	Two- and Three-Dimensional Spectrofluorimetric Qualitative Analysis of Selected Vegetable Oils for Biomedical Applications. Molecules, 2020, 25, 5608.	3.8	1
113	Diabetic Retinopathy and Ocular Melanoma: How Far We Are?. Applied Sciences (Switzerland), 2020, 10, 2777.	2.5	1
114	Nanotherapeutics and nanotheragnostics for cancers: properties, pharmacokinetics, biopharmaceutics, and biosafety. Current Pharmaceutical Design, 2021, 27, .	1.9	1
115	Nanomedicines for Immunization and Vaccines. , 2012, , 435-450.		0
116	Opuntia spp. in Cosmetics and Pharmaceuticals. , 2021, , 953-959.		0
117	In Vitro Methodologies for Toxicological Assessment of Drug Delivery Nanocarriers. Environmental Chemistry for A Sustainable World, 2021, , 203-227.	0.5	0
118	Biofate and cellular interactions of lipid nanoparticles. , 2022, , 211-246.		0
119	Nutraceuticals and functional beverages: Focus on Prebiotics and Probiotics active beverages. , 2022, , 251-258.		0