Amlia M. Silva

List of Publications by Citations

185 papers	5,153 citations	39 h-index	64 g-index
197 ext. papers	6,596 ext. citations	4.7 avg, IF	6.07 L-index

#	Paper	IF	Citations
185	Metal-Based Nanoparticles as Antimicrobial Agents: An Overview. *Nanomaterials*, **2020**, 10,	5.4	355
184	Nanotoxicology applied to solid lipid nanoparticles and nanostructured lipid carriers - a systematic review of in vitro data. *European Journal of Pharmaceutics and Biopharmaceutics*, **2014**, 87, 1-18	5.7	268
183	Polymeric Nanoparticles: Production, Characterization, Toxicology and Ecotoxicology. *Molecules*, **2020**, 25,	4.8	219
182	Current State-of-Art and New Trends on Lipid Nanoparticles (SLN and NLC) for Oral Drug Delivery. *Journal of Drug Delivery*, **2012**, 2012, 750891	2.3	198
181	Design of cationic lipid nanoparticles for ocular delivery: development, characterization and cytotoxicity. *International Journal of Pharmaceutics*, **2014**, 461, 64-73	6.5	101
180	Tramadol hydrochloride: pharmacokinetics, pharmacodynamics, adverse side effects, co-administration of drugs and new drug delivery systems. *Biomedicine and Pharmacotherapy*, **2015**, 70, 234-8	7.5	101
179	Memantine loaded PLGA PEGylated nanoparticles for Alzheimer's disease: in vitro and in vivo characterization. *Journal of Nanobiotechnology*, **2018**, 16, 32	9.4	97
178	Control of pulsatile 5-HT/insulin secretion from single mouse pancreatic islets by intracellular calcium dynamics. *Journal of Physiology*, **1998**, 510 (Pt 1), 135-43	3.9	88
177	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, 161-9	6.5	86
176	Nanoencapsulation of polyphenols for protective effect against colon-rectal cancer. *Biotechnology Advances*, **2013**, 31, 514-23	17.8	82
175	PEGylated PLGA nanospheres optimized by design of experiments for ocular administration of dexibuprofen-in vitro, ex vivo and in vivo characterization. *Colloids and Surfaces B: Biointerfaces*, **2016**, 145, 241-250	6	82
174	Surface engineering of silica nanoparticles for oral insulin delivery: characterization and cell toxicity studies. *Colloids and Surfaces B: Biointerfaces*, **2014**, 123, 916-23	6	80
173	Preparation and characterization of PEG-coated silica nanoparticles for oral insulin delivery. *International Journal of Pharmaceutics*, **2014**, 473, 627-35	6.5	79
172	Physicochemical characterization of epigallocatechin gallate lipid nanoparticles (EGCG-LNs) for ocular instillation. *Colloids and Surfaces B: Biointerfaces*, **2014**, 123, 452-60	6	74
171	Linalool bioactive properties and potential applicability in drug delivery systems. *Colloids and Surfaces B: Biointerfaces*, **2018**, 171, 566-578	6	73
170	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, 118-26	5.7	71
169	Anti-inflammatory and anti-cancer activity of citral: Optimization of citral-loaded solid lipid nanoparticles (SLN) using experimental factorial design and LUMiSizer® . *International Journal of Pharmaceutics*, **2018**, 553, 428-440	6.5	63

168	Nanotechnology for the development of new cosmetic formulations. *Expert Opinion on Drug Delivery*, **2019**, 16, 313-330	8	60
167	Nanoparticle Delivery Systems in the Treatment of Diabetes Complications. *Molecules*, **2019**, 24,	4.8	60
166	Solid lipid nanoparticles for hydrophilic biotech drugs: optimization and cell viability studies (Caco-2 & HEPG-2 cell lines). *European Journal of Medicinal Chemistry*, **2014**, 81, 28-34	6.8	58
165	Memantine-Loaded PEGylated Biodegradable Nanoparticles for the Treatment of Glaucoma. *Small*, **2018**, 14, 1701808	11	58
164	Cationic solid lipid nanoparticles interfere with the activity of antioxidant enzymes in hepatocellular carcinoma cells. *International Journal of Pharmaceutics*, **2014**, 471, 18-27	6.5	57
163	Cationic solid lipid nanoparticles (cSLN): structure, stability and DNA binding capacity correlation studies. *International Journal of Pharmaceutics*, **2011**, 420, 341-9	6.5	57
162	Current nanotechnology approaches for the treatment and management of diabetic retinopathy. *European Journal of Pharmaceutics and Biopharmaceutics*, **2015**, 95, 307-22	5.7	56
161	Nanotechnology-based formulations for resveratrol delivery: Effects on resveratrol in vivo bioavailability and bioactivity. *Colloids and Surfaces B: Biointerfaces*, **2019**, 180, 127-140	6	55
160	In vitro evaluation of permeation, toxicity and effect of praziquantel-loaded solid lipid nanoparticles against Schistosoma mansoni as a strategy to improve efficacy of the schistosomiasis treatment. *International Journal of Pharmaceutics*, **2014**, 463, 31-7	6.5	53
159	Citrus reticulata Blanco peels as a source of antioxidant and anti-proliferative phenolic compounds. *Industrial Crops and Products*, **2018**, 111, 141-148	5.9	52
158	Mediterranean essential oils as precious matrix components and active ingredients of lipid nanoparticles. *International Journal of Pharmaceutics*, **2018**, 548, 217-226	6.5	52
157	Sugar-Lowering Drugs for Type 2 Diabetes Mellitus and Metabolic Syndrome-Review of Classical and New Compounds: Part-I. *Pharmaceuticals*, **2019**, 12,	5.2	49
156	Modified Rose Bengal assay for surface hydrophobicity evaluation of cationic solid lipid nanoparticles (cSLN). *European Journal of Pharmaceutical Sciences*, **2012**, 45, 606-12	5.1	47
155	(+)-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,	6.3	46
154	Optimization of linalool-loaded solid lipid nanoparticles using experimental factorial design and long-term stability studies with a new centrifugal sedimentation method. *International Journal of Pharmaceutics*, **2018**, 549, 261-270	6.5	46
153	Cationic Surfactants: Self-Assembly, Structure-Activity Correlation and Their Biological Applications. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	46
152	Ocular Drug Delivery - New Strategies for Targeting Anterior and Posterior Segments of the Eye. *Current Pharmaceutical Design*, **2016**, 22, 1135-46	3.3	45
151	Comet assay reveals no genotoxicity risk of cationic solid lipid nanoparticles. *Journal of Applied Toxicology*, **2014**, 34, 395-403	4.1	44

150	In vitro, ex vivo and in vivo characterization of PLGA nanoparticles loading pranoprofen for ocular administration. *International Journal of Pharmaceutics*, **2016**, 511, 719-27	6.5	44
149	Clotrimazole-Loaded Mediterranean Essential Oils NLC: A Synergic Treatment of Skin Infections. *Pharmaceutics*, **2019**, 11,	6.4	43
148	d-□-tocopherol nanoemulsions: Size properties, rheological behavior, surface tension, osmolarity and cytotoxicity. *Saudi Pharmaceutical Journal*, **2017**, 25, 231-235	4.4	42
147	Effects of combined physical exercise training on DNA damage and repair capacity: role of oxidative stress changes. *Age*, **2015**, 37, 9799		41
146	Nanomaterials for Skin Delivery of Cosmeceuticals and Pharmaceuticals. *Applied Sciences (Switzerland)*, **2020**, 10, 1594	2.6	39
145	Nanoemulsions for delivery of flavonoids: formulation and in vitro release of rutin as model drug. *Pharmaceutical Development and Technology*, **2014**, 19, 677-80	3.4	39
144	Background Ca2+ influx mediated by a dihydropyridine- and voltage-insensitive channel in pancreatic beta-cells. Modulation by Ni2+, diphenylamine-2-carboxylate, and glucose metabolism.. *Journal of Biological Chemistry*, **1994**, 269, 17095-17103	5.4	39
143	Sucupira Oil-Loaded Nanostructured Lipid Carriers (NLC): Lipid Screening, Factorial Design, Release Profile, and Cytotoxicity. *Molecules*, **2020**, 25,	4.8	37
142	In Vitro Cytotoxicity of Oleanolic/Ursolic Acids-Loaded in PLGA Nanoparticles in Different Cell Lines. *Pharmaceutics*, **2019**, 11,	6.4	37
141	Background Ca2+ influx mediated by a dihydropyridine- and voltage-insensitive channel in pancreatic beta-cells. Modulation by Ni2+, diphenylamine-2-carboxylate, and glucose metabolism. *Journal of Biological Chemistry*, **1994**, 269, 17095-103	5.4	37
140	Development and Optimization of Alpha-Pinene-Loaded Solid Lipid Nanoparticles (SLN) Using Experimental Factorial Design and Dispersion Analysis. *Molecules*, **2019**, 24,	4.8	36
139	Loading of praziquantel in the crystal lattice of solid lipid nanoparticles. *Journal of Thermal Analysis and Calorimetry*, **2012**, 108, 353-360	4.1	36
138	Efficient chemo-enzymatic gluten detoxification: reducing toxic epitopes for celiac patients improving functional properties. *Scientific Reports*, **2015**, 5, 18041	4.9	36
137	Development and characterization of a cationic lipid nanocarrier as non-viral vector for gene therapy. *European Journal of Pharmaceutical Sciences*, **2015**, 66, 78-82	5.1	35
136	Potential application of grape (Vitis vinifera L.) stem extracts in the cosmetic and pharmaceutical industries: Valorization of a by-product. *Industrial Crops and Products*, **2020**, 154, 112675	5.9	35
135	Validation of a high performance liquid chromatography method for the stabilization of epigallocatechin gallate. *International Journal of Pharmaceutics*, **2014**, 475, 181-90	6.5	34
134	Soft Cationic Nanoparticles for Drug Delivery: Production and Cytotoxicity of Solid Lipid Nanoparticles (SLNs). *Applied Sciences (Switzerland)*, **2019**, 9, 4438	2.6	31
133	Perillaldehyde 1,2-epoxide Loaded SLN-Tailored mAb: Production, Physicochemical Characterization and In Vitro Cytotoxicity Profile in MCF-7 Cell Lines. *Pharmaceutics*, **2020**, 12,	6.4	30

132	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	3.4	29
131	Real time electrochemical detection of 5-HT/insulin secretion from single pancreatic islets: effect of glucose and K+ depolarization. *Biochemical and Biophysical Research Communications*, **1996**, 228, 100-4	3.4	29
130	Bursting electrical activity in pancreatic beta-cells: evidence that the channel underlying the burst is sensitive to Ca2+ influx through L-type Ca2+ channels. *Pflugers Archiv European Journal of Physiology*, **1993**, 424, 439-47	4.6	29
129	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	5.1	29
128	Synthesis and factorial design applied to a novel chitosan/sodium polyphosphate nanoparticles via ionotropic gelation as an RGD delivery system. *Carbohydrate Polymers*, **2017**, 157, 1695-1702	10.3	28
127	Sugar-Lowering Drugs for Type 2 Diabetes Mellitus and Metabolic Syndrome-Strategies for In Vivo Administration: Part-II. *Journal of Clinical Medicine*, **2019**, 8,	5.1	28
126	Electrophysiological and immunocytochemical evidence for P2X purinergic receptors in pancreatic beta cells. *Pancreas*, **2008**, 36, 279-83	2.6	28
125	Comparison of antiproliferative effect of epigallocatechin gallate when loaded into cationic solid lipid nanoparticles against different cell lines. *Pharmaceutical Development and Technology*, **2019**, 24, 1243-1249	3.4	27
124	Biomedical potential of clay nanotube formulations and their toxicity assessment. *Expert Opinion on Drug Delivery*, **2019**, 16, 1169-1182	8	27
123	Ibuprofen nanocrystals developed by 2 factorial design experiment: A new approach for poorly water-soluble drugs. *Saudi Pharmaceutical Journal*, **2017**, 25, 1117-1124	4.4	27
122	Loading, release profile and accelerated stability assessment of monoterpenes-loaded solid lipid nanoparticles (SLN). *Pharmaceutical Development and Technology*, **2020**, 25, 832-844	3.4	26
121	Chemical characterization and bioactive properties of decoctions and hydroethanolic extracts of Thymus carnosus Boiss.. *Journal of Functional Foods*, **2018**, 43, 154-164	5.1	26
120	Key production parameters for the development of solid lipid nanoparticles by high shear homogenization. *Pharmaceutical Development and Technology*, **2019**, 24, 1181-1185	3.4	26
119	Trends in Atopic Dermatitis-From Standard Pharmacotherapy to Novel Drug Delivery Systems. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	26
118	Trehalose is not a universal solution for solid lipid nanoparticles freeze-drying. *Pharmaceutical Development and Technology*, **2014**, 19, 922-9	3.4	26
117	Nanotechnological breakthroughs in the development of topical phytocompounds-based formulations. *International Journal of Pharmaceutics*, **2019**, 572, 118787	6.5	25
116	Evolution of Hair Treatment and Care: Prospects of Nanotube-Based Formulations. *Nanomaterials*, **2019**, 9,	5.4	24
115	Oxidative stress prevention and anti-apoptosis activity of grape (Vitis vinifera L.) stems in human keratinocytes. *Food Research International*, **2016**, 87, 92-102	7	24

114	Hydrophilic Polymers for Modified-Release Nanoparticles: A Review of Mathematical Modelling for Pharmacokinetic Analysis. *Current Pharmaceutical Design*, **2015**, 21, 3090-6	3.3	23
113	Resveratrol-Loaded Liquid-Crystalline System Inhibits UVB-Induced Skin Inflammation and Oxidative Stress in Mice. *Journal of Natural Products*, **2016**, 79, 1329-38	4.9	23
112	3D printing in the design of pharmaceutical dosage forms. *Pharmaceutical Development and Technology*, **2019**, 24, 1044-1053	3.4	22
111	Thymus pulegioides L. as a rich source of antioxidant, anti-proliferative and neuroprotective phenolic compounds. *Food and Function*, **2018**, 9, 3617-3629	6.1	22
110	Repurposing itraconazole to the benefit of skin cancer treatment: A combined azole-DDAB nanoencapsulation strategy. *Colloids and Surfaces B: Biointerfaces*, **2018**, 167, 337-344	6	21
109	Effect of harvesting year and elderberry cultivar on the chemical composition and potential bioactivity: A three-year study. *Food Chemistry*, **2020**, 302, 125366	8.5	21
108	Uveal melanoma: physiopathology and new in situ-specific therapies. *Cancer Chemotherapy and Pharmacology*, **2019**, 84, 15-32	3.5	20
107	Optimization of nimesulide-loaded solid lipid nanoparticles (SLN) by factorial design, release profile and cytotoxicity in human Colon adenocarcinoma cell line. *Pharmaceutical Development and Technology*, **2019**, 24, 616-622	3.4	20
106	Synthesis, spectroscopic characterization and biological evaluation of unsymmetrical aminosquarylium cyanine dyes. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 3803-3814	3.4	19
105	A note on regulatory concerns and toxicity assessment in lipid-based delivery systems (LDS). *Journal of Biomedical Nanotechnology*, **2009**, 5, 317-22	4	19
104	subsp. an Endemic Portuguese Plant: Phytochemical Profiling, Antioxidant, Anti-Proliferative and Anti-Inflammatory Activities. *Antioxidants*, **2020**, 9,	7.1	18
103	Cyclodextrin-based delivery systems for in vivo-tested anticancer therapies. *Drug Delivery and Translational Research*, **2021**, 11, 49-71	6.2	18
102	Copper induced apoptosis in Caco-2 and Hep-G2 cells: Expression of caspases 3, 8 and 9, AIF and p53. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2016**, 185-186, 138-146	3.2	18
101	First-time oral administration of resveratrol-loaded layer-by-layer nanoparticles to rats - a pharmacokinetics study. *Analyst, The*, **2019**, 144, 2062-2079	5	17
100	Hawthorn (Crataegus spp.): An Updated Overview on Its Beneficial Properties. *Forests*, **2020**, 11, 564	2.8	17
99	Topical Minoxidil-Loaded Nanotechnology Strategies for Alopecia. *Cosmetics*, **2020**, 7, 21	2.7	17
98	Targeting dendritic cells for the treatment of autoimmune disorders. *Colloids and Surfaces B: Biointerfaces*, **2017**, 158, 237-248	6	17
97	Microemulsion and Microemulsion-Based Gels for Topical Antifungal Therapy with Phytochemicals. *Current Pharmaceutical Design*, **2016**, 22, 4257-63	3.3	17

96	New grape stems isolated phenolic compounds modulate reactive oxygen species, glutathione, and lipid peroxidation in vitro: Combined formulations with vitamins C and E. *Fitoterapia*, **2017**, 120, 146-157	3.2	16
95	Regulation by glucose of oscillatory electrical activity and 5-HT/insulin release from single mouse pancreatic islets in absence of functional K(ATP) channels. *Endocrine Journal*, **2008**, 55, 639-50	2.9	16
94	The Influence of Polysaccharide Coating on the Physicochemical Parameters and Cytotoxicity of Silica Nanoparticles for Hydrophilic Biomolecules Delivery. *Nanomaterials*, **2019**, 9,	5.4	15
93	How can age and lifestyle variables affect DNA damage, repair capacity and endogenous biomarkers of oxidative stress?. *Experimental Gerontology*, **2015**, 62, 45-52	4.5	15
92	Therapeutic Interventions for Countering Leishmaniasis and Chagas Disease: From Traditional Sources to Nanotechnological Systems. *Pathogens*, **2019**, 8,	4.5	14
91	Red and Near-Infrared Absorbing DicyanomethyleneSquaraine Cyanine Dyes: PhotophysicochemicalProperties and Anti-Tumor Photosensitizing Effects. *Materials*, **2020**, 13,	3.5	14
90	Formulating octyl methoxycinnamate in hybrid lipid-silica nanoparticles: An innovative approach for UV skin protection. *Heliyon*, **2020**, 6, e03831	3.6	14
89	Polyphenol composition and biological activity of Thymus citriodorus and Thymus vulgaris: Comparison with endemic Iberian Thymus species. *Food Chemistry*, **2020**, 331, 127362	8.5	14
88	Solid lipid nanoparticles (SLN) **2020**, 1-15		14
87	Optimization, Biopharmaceutical Profile and Therapeutic Efficacy of Pioglitazone-loaded PLGA-PEG Nanospheres as a Novel Strategy for Ocular Inflammatory Disorders. *Pharmaceutical Research*, **2018**, 35, 11	4.5	14
86	Parental metabolic syndrome epigenetically reprograms offspring hepatic lipid metabolism in mice. *Journal of Clinical Investigation*, **2020**, 130, 2391-2407	15.9	14
85	Chemical Characterization and Bioactivity of Extracts from : A with a Distinct Salvianolic Acid Composition. *Antioxidants*, **2019**, 9,	7.1	13
84	Influence of the stabilizers on the toxicity of metallic nanomaterials in aquatic organisms and human cell lines. *Science of the Total Environment*, **2017**, 607-608, 1264-1277	10.2	13
83	Electrical activity and exocytotic correlates of biphasic insulin secretion from beta-cells of canine islets of Langerhans: contribution of tuning two modes of Ca2+ entry-dependent exocytosis to two modes of glucose-induced electrical activity. *Channels*, **2009**, 3, 181-93	3	13
82	Biosurfactants: Properties and Applications in Drug Delivery, Biotechnology and Ecotoxicology. *Bioengineering*, **2021**, 8,	5.3	13
81	Effect of cryoprotectants on the reconstitution of silica nanoparticles produced by sol–gel technology. *Journal of Thermal Analysis and Calorimetry*, **2015**, 120, 1001-1007	4.1	12
80	Sambucus nigra L. Fruits and Flowers: Chemical Composition and Related Bioactivities. *Food Reviews International*, **2020**, 1-29	5.5	12
79	alpha-Latrotoxin increases spontaneous and depolarization-evoked exocytosis from pancreatic islet beta-cells. *Journal of Physiology*, **2005**, 565, 783-99	3.9	12

78	Multiphasic action of glucose and alpha-ketoisocaproic acid on the cytosolic pH of pancreatic beta-cells. Evidence for an acidification pathway linked to the stimulation of Ca2+ influx. *Journal of Biological Chemistry*, **1996**, 271, 8738-46	5.4	12
77	Myasthenia gravis: State of the art and new therapeutic strategies. *Journal of Neuroimmunology*, **2019**, 337, 577080	3.5	11
76	Targeting Cancer Via Resveratrol-Loaded Nanoparticles Administration: Focusing on In Vivo Evidence. *AAPS Journal*, **2019**, 21, 57	3.7	10
75	In Vitro Characterization, Modelling, and Antioxidant Properties of Polyphenon-60 from Green Tea in Eudragit S100-2 Chitosan Microspheres. *Nutrients*, **2020**, 12,	6.7	10
74	Titanium dioxide nanoparticles: Toxicity and genotoxicity in Drosophila melanogaster (SMART eye-spot test and comet assay in neuroblasts). *Mutation Research - Genetic Toxicology and Environmental Mutagenesis*, **2018**, 831, 19-23	3	10
73	Membrane lipid profile alterations are associated with the metabolic adaptation of the Caco-2 cells to aglycemic nutritional condition. *Journal of Bioenergetics and Biomembranes*, **2014**, 46, 45-57	3.7	10
72	High external Ca2+ levels trigger membrane potential oscillations in mouse pancreatic beta-cells during blockade of K(ATP) channels. *Biochemical and Biophysical Research Communications*, **1992**, 187, 872-9	3.4	10
71	Haematological and biochemical parameters in Churra-da-Terra-Quente ewes from the northeast of Portugal. *Arquivo Brasileiro De Medicina Veterinaria E Zootecnia*, **2010**, 62, 265-272	0.3	10
70	Lipid Nanoparticles as Carriers for the Treatment of Neurodegeneration Associated with Alzheimer's Disease and Glaucoma: Present and Future Challenges. *Current Pharmaceutical Design*, **2020**, 26, 1235-1250	3.3	10
69	Physicochemical and biopharmaceutical aspects influencing skin permeation and role of SLN and NLC for skin drug delivery.. *Heliyon*, **2022**, 8, e08938	3.6	9
68	Thymus carnosus extracts induce anti-proliferative activity in Caco-2 cells through mechanisms that involve cell cycle arrest and apoptosis. *Journal of Functional Foods*, **2019**, 54, 128-135	5.1	9
67	Microemulsions and Nanoemulsions in Skin Drug Delivery.. *Bioengineering*, **2022**, 9,	5.3	9
66	The Nutraceutical Value of Carnitine and Its Use in Dietary Supplements. *Molecules*, **2020**, 25,	4.8	8
65	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,	3.5	8
64	Advances in antibiotic nanotherapy **2018**, 233-259		8
63	Astragalus (Astragalus membranaceus Bunge): botanical, geographical, and historical aspects to pharmaceutical components and beneficial role. *Rendiconti Lincei*, **2021**, 32, 625-642	1.7	8
62	Silica-based matrices: State of the art and new perspectives for therapeutic drug delivery. *Biotechnology and Applied Biochemistry*, **2015**, 62, 754-64	2.8	7
61	Preclinical developments of natural-occurring halloysite clay nanotubes in cancer therapeutics. *Advances in Colloid and Interface Science*, **2021**, 291, 102406	14.3	7

60	Photophysicochemical Properties and In Vitro Phototherapeutic Effects of Iodoquinoline- and Benzothiazole-Derived Unsymmetrical Squaraine Cyanine Dyes. *Applied Sciences (Switzerland)*, **2019**, 9, 5414	2.6	7
59	Polyphenols for skin cancer: Chemical properties, structure-related mechanisms of action and new delivery systems. *Studies in Natural Products Chemistry*, **2019**, 63, 21-42	1.5	7
58	Ocular Cell Lines and Genotoxicity Assessment. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	6
57	Psoriasis vulgarisPathophysiology of the disease and its classical treatment versus new drug delivery systems **2018**, 379-406		6
56	Endopolysaccharides from Ganoderma resinaceum, Phlebia rufa, and Trametes versicolor affect differently the proliferation rate of HepG2 cells. *Applied Biochemistry and Biotechnology*, **2013**, 169, 1919-26	3.2	6
55	Phasic and tonic modes of depolarization-exocytosis coupling in beta-cells of porcine islets of Langerhans. *Channels*, **2009**, 3, 101-9	3	6
54	Concept study of an implantable microsystem for electrical resistance and temperature measurements in dairy cows, suitable for estrus detection. *Sensors and Actuators A: Physical*, **2006**, 132, 354-361	3.9	6
53	L. Leaf Extract Protects HepG2 Cells Against Paraquat-Induced Oxidative DNA Damage. *Plants*, **2019**, 8,	4.5	6
52	Self-assembled quaternary ammonium surfactants for pharmaceuticals and biotechnology **2018**, 601-618		6
51	In vitro phototherapeutic effects of indolenine-based mono- and dithiosquaraine cyanine dyes against Caco-2 and HepG2 human cancer cell lines. *Photodiagnosis and Photodynamic Therapy*, **2020**, 31, 101844	3.5	5
50	Ion channels underlying stimulus-exocytosis coupling and its cell-to-cell heterogeneity in beta-cells of transplantable porcine islets of Langerhans. *Channels*, **2009**, 3, 91-100	3	5
49	Mono- and Dicationic DABCO/Quinuclidine Composed Nanomaterials for the Loading of Steroidal Drug: 3 Factorial Design and Physicochemical Characterization. *Nanomaterials*, **2021**, 11,	5.4	5
48	Sage Species Case Study on a Spontaneous Mediterranean Plant to Control Phytopathogenic Fungi and Bacteria. *Forests*, **2020**, 11, 704	2.8	5
47	Advances in nanobiomaterials for oncology nanomedicine **2016**, 91-115		5
46	Multiple Cell Signalling Pathways of Human Proinsulin C-Peptide in Vasculopathy Protection. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4
45	Sonication-assisted Layer-by-Layer self-assembly nanoparticles for resveratrol delivery. *Materials Science and Engineering C*, **2019**, 105, 110022	8.3	4
44	Serum total and bone alkaline phosphatase levels and their correlation with serum minerals over the lifespan of sheep. *Acta Veterinaria Hungarica*, **2014**, 62, 205-14	1	4
43	Solid lipid nanoparticles affect microbial colonization and enzymatic activity throughout the decomposition of alder leaves in freshwater microcosms. *Ecotoxicology and Environmental Safety*, **2017**, 135, 375-380	7	4

42	Ecotoxicity to Freshwater Organisms and Cytotoxicity of Nanomaterials: Are We Generating Sufficient Data for Their Risk Assessment?. *Nanomaterials*, **2020**, 11,	5.4	4
41	DABCO-Customized Nanoemulsions: Characterization, Cell Viability and Genotoxicity in Retinal Pigmented Epithelium and Microglia Cells. *Pharmaceutics*, **2021**, 13,	6.4	4
40	Noninvasive evaluation of the influence of aucubin-containing cosmetic macroemulsion on selected skin parameters. *Journal of Cosmetic Dermatology*, **2021**, 20, 1022-1030	2.5	4
39	Mesoporous silica nanoparticles as drug delivery systems against melanoma **2018**, 437-466		4
38	Optimization of the Conditions of Solid Lipid Nanoparticles (SLN) Synthesis.. *Molecules*, **2022**, 27,	4.8	4
37	Effects of physical exercise training in DNA damage and repair activity in humans with different genetic polymorphisms of hOGG1 (Ser326Cys). *Cell Biochemistry and Function*, **2015**, 33, 519-24	4.2	3
36	Glyphosate vs. Glyphosate-Based Herbicides Exposure: A Review on Their Toxicity.. *Journal of Xenobiotics*, **2022**, 12, 21-40	1	3
35	Synthesis and Potential Applications of Lipid Nanoparticles in Medicine.. *Materials*, **2022**, 15,	3.5	3
34	Genotoxicity Assessment of Metal-Based Nanocomposites Applied in Drug Delivery. *Materials*, **2021**, 14,	3.5	3
33	Chemical and Physical Properties of Meadowfoam Seed Oil and Extra Virgin Olive Oil: Focus on Vibrational Spectroscopy. *Journal of Spectroscopy*, **2020**, 2020, 1-9	1.5	3
32	Electro-responsive controlled drug delivery from melanin nanoparticles. *International Journal of Pharmaceutics*, **2020**, 588, 119773	6.5	3
31	Lipid Nanoparticles Loaded with Iridoid Glycosides: Development and Optimization Using Experimental Factorial Design. *Molecules*, **2021**, 26,	4.8	3
30	Lipid Nanoparticles Loaded with Selected Iridoid Glycosides as Effective Components of Hydrogel Formulations. *Materials*, **2021**, 14,	3.5	3
29	Development and Characterization of Nanoemulsions for Ophthalmic Applications: Role of Cationic Surfactants.. *Materials*, **2021**, 14,	3.5	3
28	Meglumine-based supra-amphiphile self-assembled in water as a skin drug delivery system: Influence of unfrozen bound water in the system bioadhesiveness. *Colloids and Surfaces B: Biointerfaces*, **2019**, 184, 110523	6	2
27	Cancer therapies: applications, nanomedicines and nanotoxicology **2017**, 241-260		2
26	Topical Targeting Therapies for Sexually Transmitted Diseases. *Current Nanoscience*, **2012**, 8, 486-490	1.4	2
25	Vitex agnus-castus L.: Main Features and Nutraceutical Perspectives. *Forests*, **2020**, 11, 761	2.8	2

24	Advances in nanobiomaterials for topical administrations: new galenic and cosmetic formulations **2016**, 1-23		2
23	Drug nanocrystals **2018**, 239-253		2
22	Red seaweeds strengthening the nexus between nutrition and health: phytochemical characterization and bioactive properties of Grateloupia turuturu and Porphyra umbilicalis extracts. *Journal of Applied Phycology*, **2021**, 33, 3365-3381	3.2	2
21	Exudative versus Nonexudative Age-Related Macular Degeneration: Physiopathology and Treatment Options.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	2
20	Permeability, anti-inflammatory and anti-VEGF profiles of steroidal-loaded cationic nanoemulsions in retinal pigment epithelial cells under oxidative stress.. *International Journal of Pharmaceutics*, **2022**, 617, 121615	6.5	2
19	Bioactive hybrid nanowires **2020**, 1-13		1
18	Diabetic Retinopathy and Ocular Melanoma: How Far We Are?. *Applied Sciences (Switzerland)*, **2020**, 10, 2777	2.6	1
17	Western Blot Methodologies for Analysis of In Vitro Protein Expression Induced by Teratogenic Agents. *Methods in Molecular Biology*, **2018**, 1797, 191-203	1.4	1
16	Chemical Composition and Potential Biological Activity of Melanoidins From Instant Soluble Coffee and Instant Soluble Barley: A Comparative Study.. *Frontiers in Nutrition*, **2022**, 9, 825584	6.2	1
15	Orange thyme: Phytochemical profiling, bioactivities of extracts and potential health benefits.. *Food Chemistry: X*, **2021**, 12, 100171	4.7	1
14	Bursting electrical activity generated in the presence of KATP channel blockers. Pharmacology, sensitivity to intracellular pH and modulation by glucose metabolism. *Advances in Experimental Medicine and Biology*, **1997**, 426, 33-41	3.6	1
13	Sol Gel Carrier System: A Novel Controlled Drug Delivery **2012**, 151-166		1
12	Encapsulation of nutraceuticals in novel delivery systems **2016**, 305-342		1
11	Polymer nanogels: Fabrication, structural behavior, and biological applications **2021**, 97-111		1
10	New strategies for the treatment of autoimmune diseases using nanotechnologies **2018**, 135-163		1
9	Labdanum Resin from Cistus ladanifer L.: A Natural and Sustainable Ingredient for Skin Care Cosmetics with Relevant Cosmeceutical Bioactivities. *Plants*, **2022**, 11, 1477	4.5	1
8	Lipid-Drug Conjugates and Nanoparticles for the Cutaneous Delivery of Cannabidiol. *International Journal of Molecular Sciences*, **2022**, 23, 6165	6.3	0
7	Non-melanoma skin cancers: physio-pathology and role of lipid delivery systems in new chemotherapeutic treatments. *Neoplasia*, **2022**, 30, 100810	6.4	0

6	Multifunctional Nanocomposites for Biotherapeutic Applications. *Advances in Medical Technologies and Clinical Practice Book Series*, **2018**, 328-356	0.3
5	Monoterpenes-Based Pharmaceuticals: A Review of Applications In Human Health and Drug Delivery Systems **2018**, 85-130	
4	Mechanism of Action and Toxicological Profile of Essential Oils in Foodstuff **2019**, 211-230	
3	Microemulsions: Principles, Scope, Methods, and Applications in Transdermal Drug Delivery **2019**, 91-118	
2	Multifunctional Nanocomposites for Biotherapeutic Applications **2021**, 1444-1472	
1	Targeting of Lipid/Polymeric (Hybrid) Nanoparticles to the Brain for the Treatment of Degenerative Diseases **2018**, 147-168	