

# Carmelo Puglia

## List of Publications by Year in descending order

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107  
papers

4,029  
citations

81839

39  
h-index

138417

58  
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108  
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108  
docs citations

108  
times ranked

4886  
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of Lipid-based Nanocarriers for Parenteral Drug Delivery. <i>Current Medicinal Chemistry</i> , 2022, 29, 4152-4169.	1.2	5
2	Design of Nanotechnological Carriers for Ocular Delivery of Mangiferin: Preformulation Study. <i>Molecules</i> , 2022, 27, 1328.	1.7	15
3	Mu and Delta Opioid Receptor Targeting Reduces Connexin 43-Based Heterocellular Coupling during Neuropathic Pain. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5864.	1.8	13
4	Curcumin Loaded Polymeric vs. Lipid Nanoparticles: Antioxidant Effect on Normal and Hypoxic Olfactory Ensheathing Cells. <i>Nanomaterials</i> , 2021, 11, 159.	1.9	17
5	Astaxanthin-Loaded Stealth Lipid Nanoparticles (AST-SSLN) as Potential Carriers for the Treatment of Alzheimer's Disease: Formulation Development and Optimization. <i>Nanomaterials</i> , 2021, 11, 391.	1.9	31
6	Assessment of Alcohol-Based Hand Sanitizers for Long-Term Use, Formulated with Addition of Natural Ingredients in Comparison to WHO Formulation 1. <i>Pharmaceutics</i> , 2021, 13, 571.	2.0	10
7	Ethosomes and Transethosomes for Mangiferin Transdermal Delivery. <i>Antioxidants</i> , 2021, 10, 768.	2.2	44
8	LP1 and LP2: Dual-Target MOPr/DOPr Ligands as Drug Candidates for Persistent Pain Relief. <i>Molecules</i> , 2021, 26, 4168.	1.7	7
9	Calorimetric Evaluation of Glycyrrhetic Acid (GA)- and Stearyl Glycyrrhetinate (SG)-Loaded Solid Lipid Nanoparticle Interactions with a Model Biomembrane. <i>Molecules</i> , 2021, 26, 4903.	1.7	1
10	Lipid Nanoparticles Traverse Non-Corneal Path to Reach the Posterior Eye Segment: In Vivo Evidence. <i>Molecules</i> , 2021, 26, 4673.	1.7	17
11	The Multimodal MOPr/DOPr Agonist LP2 Reduces Allodynia in Chronic Constriction Injured Rats by Rescue of TGF- $\beta$ 1 Signalling. <i>Frontiers in Pharmacology</i> , 2021, 12, 749365.	1.6	11
12	Solid Lipid Nanoparticles as Carriers for the Synthetic Opioid LP2: Characterization and In Vitro Release. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10250.	1.3	0
13	Dual-drugs delivery in solid lipid nanoparticles for the treatment of <i>Candida albicans</i> mycosis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 186, 110705.	2.5	45
14	Curcumin Containing PEGylated Solid Lipid Nanoparticles for Systemic Administration: A Preliminary Study. <i>Molecules</i> , 2020, 25, 2991.	1.7	25
15	Carob Seeds: Food Waste or Source of Bioactive Compounds?. <i>Pharmaceutics</i> , 2020, 12, 1090.	2.0	27
16	Formulation and Characterization of Solid Lipid Nanoparticles Loading RF22-c, a Potent and Selective 5-LO Inhibitor, in a Monocrotaline-Induced Model of Pulmonary Hypertension. <i>Frontiers in Pharmacology</i> , 2020, 11, 83.	1.6	14
17	Ocular Formulation Based on Palmitoylethanolamide-Loaded Nanostructured Lipid Carriers: Technological and Pharmacological Profile. <i>Nanomaterials</i> , 2020, 10, 287.	1.9	32
18	Lipid Nanoparticle Inclusion Prevents Capsaicin-Induced TRPV1 Defunctionalization. <i>Pharmaceutics</i> , 2020, 12, 339.	2.0	11

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19	Botanicals: Innovative Tools for Pharmaceutical, Cosmetic and Nutraceutical. <i>Current Medicinal Chemistry</i> , 2019, 26, 4504-4505.	1.2	2
20	Nanocarriers and Microcarriers for Enhancing the UV Protection of Sunscreens: An Overview. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 3769-3780.	1.6	30
21	In Vitro Antioxidant Activity and In Vivo Topical Efficacy of Lipid Nanoparticles Co-Loading Idebenone and Tocopheryl Acetate. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 845.	1.3	11
22	Nanotechnological Approach to Increase the Antioxidant and Cytotoxic Efficacy of Crocin and Crocetin. <i>Planta Medica</i> , 2019, 85, 258-265.	0.7	41
23	Lipid Nanoparticles and Active Natural Compounds: A Perfect Combination for Pharmaceutical Applications. <i>Current Medicinal Chemistry</i> , 2019, 26, 4681-4696.	1.2	19
24	Cosmeceuticals: Nanotechnology-Based Strategies for the Delivery of Phytocompounds. <i>Current Pharmaceutical Design</i> , 2019, 25, 2314-2322.	0.9	29
25	New Strategies for the Delivery of Some Natural Anti-oxidants with Therapeutic Properties. <i>Mini-Reviews in Medicinal Chemistry</i> , 2019, 19, 1030-1039.	1.1	11
26	Innovative Nanoparticles Enhance N-Palmitoylethanolamide Intraocular Delivery. <i>Frontiers in Pharmacology</i> , 2018, 9, 285.	1.6	35
27	Monoolein liquid crystalline phases for topical delivery of crocetin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 67-74.	2.5	20
28	Idebenone: Novel Strategies to Improve Its Systemic and Local Efficacy. <i>Nanomaterials</i> , 2018, 8, 87.	1.9	42
29	Synthesis and Structure-Activity Relationships of ( $\hat{\alpha}$ )-cis-N-Normetazocine-Based LP1 Derivatives. <i>Pharmaceuticals</i> , 2018, 11, 40.	1.7	7
30	In Vitro Evaluation of Sunscreen Safety: Effects of the Vehicle and Repeated Applications on Skin Permeation from Topical Formulations. <i>Pharmaceutics</i> , 2018, 10, 27.	2.0	22
31	Nanostructured Lipid Carriers (NLC) as Vehicles for Topical Administration of Sesamol: In Vitro Percutaneous Absorption Study and Evaluation of Antioxidant Activity. <i>Planta Medica</i> , 2017, 83, 398-404.	0.7	24
32	Correlating In Vitro Target-Oriented Screening and Docking: Inhibition of Matrix Metalloproteinases Activities by Flavonoids. <i>Planta Medica</i> , 2017, 83, 901-911.	0.7	25
33	Nanostructured lipid dispersions for topical administration of crocin, a potent antioxidant from saffron ( <i>Crocus sativus</i> L.). <i>Materials Science and Engineering C</i> , 2017, 71, 669-677.	3.8	49
34	Modern drug delivery strategies applied to natural active compounds. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 755-768.	2.4	45
35	Resveratrol-Loaded Lipid Nanocarriers: Correlation between In Vitro Occlusion Factor and In Vivo Skin Hydrating Effect. <i>Pharmaceutics</i> , 2017, 9, 58.	2.0	52
36	Rosemary Essential Oil-Loaded Lipid Nanoparticles: In Vivo Topical Activity from Gel Vehicles. <i>Pharmaceutics</i> , 2017, 9, 48.	2.0	55

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37	Design of solid lipid nanoparticles for caffeine topical administration. <i>Drug Delivery</i> , 2016, 23, 36-40.	2.5	50
38	In vitro Percutaneous Absorption of Niacinamide and Phytosterols and in vivo Evaluation of their Effect on Skin Barrier Recovery. <i>Current Drug Delivery</i> , 2016, 13, 111-120.	0.8	9
39	Ethosomes and organogels for cutaneous administration of crocin. <i>Biomedical Microdevices</i> , 2016, 18, 108.	1.4	26
40	Nanoparticles prolong N-palmitoylethanolamide anti-inflammatory and analgesic effects in vivo. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 311-317.	2.5	23
41	Gelified reverse micellar dispersions as percutaneous formulations. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 32, 270-282.	1.4	3
42	Involvement of the Heme-Oxygenase Pathway in the Antiallodynic and Antihyperalgesic Activity of <i>Harpagophytum procumbens</i> in Rats. <i>Molecules</i> , 2015, 20, 16758-16769.	1.7	15
43	A comparative study on the possible cytotoxic effects of different nanostructured lipid carrier (NLC) compositions in human dermal fibroblasts. <i>International Journal of Pharmaceutics</i> , 2015, 495, 879-885.	2.6	35
44	Ophthalmic applications of lipid-based drug nanocarriers: an update of research and patenting activity. <i>Therapeutic Delivery</i> , 2015, 6, 1297-1318.	1.2	16
45	Lipid Nanocarriers (LNC) and their Applications in Ocular Drug Delivery. <i>Current Medicinal Chemistry</i> , 2015, 22, 1589-1602.	1.2	54
46	HDAC and HAT Inhibitors Differently Affect Analgesia Mediated by Group II Metabotropic Glutamate Receptors. <i>Molecular Pain</i> , 2014, 10, 1744-8069-10-68.	1.0	43
47	Evaluation of nanostructured lipid carriers (NLC) and nanoemulsions as carriers for UV-filters: Characterization, in vitro penetration and photostability studies. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 51, 211-217.	1.9	82
48	Protective effect of red orange extract supplementation against <sc>UV</sc>-induced skin damages: photoaging and solar lentigines. <i>Journal of Cosmetic Dermatology</i> , 2014, 13, 151-157.	0.8	43
49	Effect of nanostructured lipid vehicles on percutaneous absorption of curcumin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 86, 121-132.	2.0	41
50	Nanostructured lipid carriers loaded with CoQ10: Effect on human dermal fibroblasts under normal and UVA-mediated oxidative conditions. <i>International Journal of Pharmaceutics</i> , 2013, 455, 348-356.	2.6	53
51	Curcumin containing monoolein aqueous dispersions: A preformulative study. <i>Materials Science and Engineering C</i> , 2013, 33, 4923-4934.	3.8	42
52	Optimization of Curcumin Loaded Lipid Nanoparticles Formulated Using High Shear Homogenization (HSH) and Ultrasonication (US) Methods. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 6888-6893.	0.9	18
53	Evaluation of Monooleine Aqueous Dispersions as Tools for Topical Administration of Curcumin: Characterization, In Vitro and Ex-Vivo Studies. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 2349-2361.	1.6	42
54	Emerging Role of Colloidal Drug Delivery Systems (CDDS) in NSAID Topical Administration. <i>Current Medicinal Chemistry</i> , 2013, 20, 1847-1857.	1.2	14

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55	Formulation strategies to modulate the topical delivery of anti-inflammatory compounds. <i>Journal of Cosmetic Science</i> , 2013, 64, 341-53.	0.1	5
56	Lipid nanoparticles as novel delivery systems for cosmetics and dermal pharmaceuticals. <i>Expert Opinion on Drug Delivery</i> , 2012, 9, 429-441.	2.4	174
57	Curcumin loaded NLC induces histone hypoacetylation in the CNS after intraperitoneal administration in mice. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 288-293.	2.0	63
58	Gelatin tannate reduces the proinflammatory effects of lipopolysaccharide in human intestinal epithelial cells. <i>Clinical and Experimental Gastroenterology</i> , 2012, 5, 61.	1.0	32
59	Caco-2 cell line as a model to evaluate mucoprotective proprieties. <i>International Journal of Pharmaceutics</i> , 2012, 422, 318-322.	2.6	11
60	On the assessment of photostability of sunscreens exposed to UVA irradiation: From glass plates to pig/human skin, which is best?. <i>International Journal of Pharmaceutics</i> , 2012, 427, 217-223.	2.6	28
61	Lipid Nanoparticles as Carrier for Octyl-Methoxycinnamate: In Vitro Percutaneous Absorption and Photostability Studies. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 301-311.	1.6	49
62	Skin-whitening effects of Mediterranean herbal extracts by in vitro and in vivo models. <i>Journal of Cosmetic Science</i> , 2012, 63, 311-20.	0.1	4
63	Lipid nanoparticles for brain targeting I. Formulation optimization. <i>International Journal of Pharmaceutics</i> , 2011, 419, 287-295.	2.6	48
64	Development, Characterization, and In Vitro and In Vivo Evaluation of Benzocaine- and Lidocaine-Loaded Nanostructured Lipid Carriers. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 1892-1899.	1.6	67
65	In-vitro Antioxidant and In-vivo Photoprotective Effect of Three Lyophilized Extracts of <i>Sedum telephium</i> L. Leaves. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 52, 1279-1285.	1.2	20
66	Evaluation of in-vivo topical anti-inflammatory activity of indometacin from liposomal vesicles. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 56, 1225-1232.	1.2	51
67	Effect of charge and lipid concentration on in-vivo percutaneous absorption of methyl nicotinate from liposomal vesicles. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 57, 1169-1176.	1.2	10
68	Protective effect of Mediterranean fish oil extracts on heat-induced denaturation of albumin. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 1411-1413.	1.2	2
69	In-vitro and in-vivo evaluation of oligoethylene esters as dermal prodrugs of 18 $\beta$ -glycyrrhetic acid. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 58, 311-319.	1.2	8
70	Evaluation of percutaneous absorption of the repellent diethyltoluamide and the sunscreen ethylhexyl p-methoxycinnamate-loaded solid lipid nanoparticles: an in-vitro study. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 61, 1013-1019.	1.2	5
71	Evaluation of the effect of topical agents on radiation-induced skin disease by reflectance spectrophotometry. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 62, 779-785.	1.2	16
72	Evaluation of Percutaneous Absorption of Naproxen from Different Liposomal Formulations. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 2819-2829.	1.6	31

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73	Comparative in vivo study of the efficacy and tolerance of exfoliating agents using reflectance spectrophotometric methods. <i>International Journal of Cosmetic Science</i> , 2010, 32, 472-472.	1.2	2
74	Nanoemulsions as vehicles for topical administration of glycyrrhetic acid: Characterization and in vitro and in vivo evaluation. <i>Drug Delivery</i> , 2010, 17, 123-129.	2.5	48
75	J. Cosmet. Sci., 59, 217-224 (May/June 2008) In vivospectrophotometric evaluation of skin barrier recovery after topical application of soybean phytosterols. <i>International Journal of Cosmetic Science</i> , 2009, 31, 241-241.	1.2	0
76	The in-vitro percutaneous migration of chemical elements from a thermal mud for healing use. <i>Applied Clay Science</i> , 2009, 44, 83-94.	2.6	76
77	Evaluation of percutaneous absorption of the repellent diethyltoluamide and the sunscreen ethylhexyl & p-methoxycinnamate-loaded solid lipid nanoparticles: an in-vitro study. <i>Journal of Pharmacy and Pharmacology</i> , 2009, 61, 1013-1019.	1.2	14
78	Lipid nanoparticles for prolonged topical delivery: An in vitro and in vivo investigation. <i>International Journal of Pharmaceutics</i> , 2008, 357, 295-304.	2.6	229
79	Improved adhesion to mucosal cells of water-soluble chitosan tetraalkylammonium salts. <i>International Journal of Pharmaceutics</i> , 2008, 362, 88-92.	2.6	24
80	Diclofenac-hydroxycalcite: In vitro and in vivo release experiments. <i>Applied Clay Science</i> , 2008, 41, 165-171.	2.6	21
81	Effect of Polyunsaturated Fatty Acids and Some Conventional Penetration Enhancers on Transdermal Delivery of Atenolol. <i>Drug Delivery</i> , 2008, 15, 107-112.	2.5	21
82	Protective effects of a standardised red orange extract on air pollution-induced oxidative damage in traffic police officers. <i>Natural Product Research</i> , 2008, 22, 1544-1551.	1.0	18
83	Synthesis, Physicochemical Properties and In Vitro Permeation Studies of New Ketorolac Ester Derivatives. <i>Current Drug Delivery</i> , 2007, 4, 205-210.	0.8	4
84	Adsorption of salicylic acid on bentonite and kaolin and release experiments. <i>Applied Clay Science</i> , 2007, 36, 77-85.	2.6	68
85	Effect of hyaluronic acid and polysaccharides from <i>Opuntia ficus indica</i> (L.) cladodes on the metabolism of human chondrocyte cultures. <i>Journal of Ethnopharmacology</i> , 2007, 111, 315-321.	2.0	40
86	Evaluation of alternative strategies to optimize ketorolac transdermal delivery. <i>AAPS PharmSciTech</i> , 2006, 7, E61-E69.	1.5	76
87	Effect of polysaccharides from <i>Opuntia ficus-indica</i> (L.) cladodes on the healing of dermal wounds in the rat. <i>Phytomedicine</i> , 2006, 13, 352-358.	2.3	99
88	The in vitro effect of a lyophilized extract of wine obtained from Jacques grapes on human chondrocytes. <i>Phytomedicine</i> , 2006, 13, 522-526.	2.3	30
89	In vitro percutaneous absorption studies and in vivo evaluation of anti-inflammatory activity of essential fatty acids (EFA) from fish oil extracts. <i>International Journal of Pharmaceutics</i> , 2005, 299, 41-48.	2.6	35
90	Characterization of indomethacin-loaded lipid nanoparticles by differential scanning calorimetry. <i>International Journal of Pharmaceutics</i> , 2005, 304, 231-238.	2.6	149

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91	The Topical Protective Effect of Soybean-Germ Oil against UVB-Induced Cutaneous Erythema: an in vivo Evaluation. <i>Archiv Der Pharmazie</i> , 2005, 338, 598-601.	2.1	22
92	Evaluation of Indomethacin Percutaneous Absorption from Nanostructured Lipid Carriers (NLC): In Vitro and In Vivo Studies. <i>Journal of Pharmaceutical Sciences</i> , 2005, 94, 1149-1159.	1.6	102
93	Cubosome Dispersions as Delivery Systems for Percutaneous Administration of Indomethacin. <i>Pharmaceutical Research</i> , 2005, 22, 2163-2173.	1.7	237
94	Antiallergic and antihistaminic effect of two extracts of <i>Capparis spinosa</i> L. flowering buds. <i>Phytotherapy Research</i> , 2005, 19, 29-33.	2.8	55
95	Protective effect of <i>Capparis spinosa</i> on chondrocytes. <i>Life Sciences</i> , 2005, 77, 2479-2488.	2.0	99
96	Oxidative stress in handball players: effect of supplementation with a red orange extract. <i>Nutrition Research</i> , 2005, 25, 917-924.	1.3	24
97	Glycosyl Derivatives of Dopamine and L-dopa as Anti-Parkinson Prodrugs: Synthesis, Pharmacological Activity and In Vitro Stability Studies. <i>Journal of Drug Targeting</i> , 2003, 11, 25-36.	2.1	58
98	Ketoprofen 1-Alkylazacycloalkan-2-one Esters as Dermal Prodrugs: In Vivo and In Vitro Evaluations. <i>Drug Development and Industrial Pharmacy</i> , 2003, 29, 181-190.	0.9	15
99	Glycosyl Derivatives of Dopamine and L-dopa as Anti-Parkinson Prodrugs: Synthesis, Pharmacological Activity and In Vitro Stability Studies. <i>Journal of Drug Targeting</i> , 2003, 11, 25-36.	2.1	40
100	1-Ethyl and 1-Propylazacycloalkan-2-one Ester Prodrugs of Ketoprofen. <i>Arzneimittelforschung</i> , 2002, 52, 884-889.	0.5	1
101	Antioxidant and photoprotective activity of a crude extract of <i>Culcitium reflexum</i> H.B.K. leaves and their major flavonoids. <i>Journal of Ethnopharmacology</i> , 2002, 79, 183-191.	2.0	64
102	Synthesis and in vitro chemical and enzymatic stability of glycosyl 3-azido-3-deoxythymidine derivatives as potential anti-HIV agents. <i>European Journal of Pharmaceutical Sciences</i> , 2002, 16, 167-174.	1.9	20
103	New Oligoethylene Ester Derivatives of 5-Iodo-2-deoxyuridine as Dermal Prodrugs: Synthesis, Physicochemical Properties, and Skin Permeation Studies. <i>Journal of Pharmaceutical Sciences</i> , 2002, 91, 171-179.	1.6	11
104	Evaluation of oxidative stress in diabetic patients after supplementation with a standardised red orange extract. <i>Diabetes, Nutrition &amp; Metabolism</i> , 2002, 15, 14-9.	0.4	22
105	In vitro antioxidant and in vivo photoprotective effects of a lyophilized extract of <i>Capparis spinosa</i> L buds. <i>Journal of Cosmetic Science</i> , 2002, 53, 321-35.	0.1	61
106	Evaluation of in vitro percutaneous absorption of lorazepam and clonazepam from hydro-alcoholic gel formulations. <i>International Journal of Pharmaceutics</i> , 2001, 228, 79-87.	2.6	48
107	In vitro and in vivo evaluation of polyoxyethylene esters as dermal prodrugs of ketoprofen, naproxen and diclofenac. <i>European Journal of Pharmaceutical Sciences</i> , 2001, 14, 123-134.	1.9	119