

# Roberta Cassano

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

1,683  
citations

279798

23  
h-index

315739

38  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2343  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies for Hyaluronic Acid-Based Hydrogel Design in Drug Delivery. <i>Pharmaceutics</i> , 2019, 11, 407.	4.5	177
2	Stearyl ferulate-based solid lipid nanoparticles for the encapsulation and stabilization of $\beta$ -carotene and $\alpha$ -tocopherol. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 72, 181-187.	5.0	94
3	Trans-ferulic acid-based solid lipid nanoparticles and their antioxidant effect in rat brain microsomes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 109, 273-279.	5.0	93
4	pH-Sensitive hydrogels based on bovine serum albumin for oral drug delivery. <i>International Journal of Pharmaceutics</i> , 2006, 312, 151-157.	5.2	85
5	Omega-3 PUFA Loaded in Resveratrol-Based Solid Lipid Nanoparticles: Physicochemical Properties and Antineoplastic Activities in Human Colorectal Cancer Cells In Vitro. <i>International Journal of Molecular Sciences</i> , 2018, 19, 586.	4.1	78
6	Synthesis and antioxidant activity evaluation of a novel cellulose hydrogel containing trans-ferulic acid. <i>Carbohydrate Polymers</i> , 2009, 75, 184-188.	10.2	62
7	A novel dextran hydrogel linking trans-ferulic acid for the stabilization and transdermal delivery of vitamin E. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 232-238.	4.3	56
8	Valorization of Tomato Waste as a Source of Carotenoids. <i>Molecules</i> , 2021, 26, 5062.	3.8	47
9	Design and Synthesis of Cellulose Derivatives with Antioxidant Activity. <i>Macromolecular Bioscience</i> , 2008, 8, 86-95.	4.1	46
10	Isoniazid-gelatin conjugate microparticles containing rifampicin for the treatment of tuberculosis. <i>Journal of Pharmacy and Pharmacology</i> , 2013, 65, 1302-1311.	2.4	44
11	Preparation, characterization and in vitro activities evaluation of solid lipid nanoparticles based on PEG-40 stearate for antifungal drugs vaginal delivery. <i>Drug Delivery</i> , 2016, 23, 1037-1046.	5.7	44
12	Recent Advances in Nanotechnology for the Treatment of Melanoma. <i>Molecules</i> , 2021, 26, 785.	3.8	42
13	Green Synthesis of Privileged Benzimidazole Scaffolds Using Active Deep Eutectic Solvent. <i>Molecules</i> , 2019, 24, 2885.	3.8	40
14	$\alpha$ -Tocopheryl linolenate solid lipid nanoparticles for the encapsulation, protection, and release of the omega-3 polyunsaturated fatty acid: in vitro anti-melanoma activity evaluation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 151, 128-133.	5.0	36
15	Hemp fiber ( <i>Cannabis sativa</i> L.) derivatives with antibacterial and chelating properties. <i>Cellulose</i> , 2013, 20, 547-557.	4.9	35
16	L-Lysine Pro-Prodrug Containing trans-Ferulic Acid for 5-Amino Salicylic Acid Colon Delivery: Synthesis, Characterization and in Vitro Antioxidant Activity Evaluation. <i>Chemical and Pharmaceutical Bulletin</i> , 2010, 58, 103-105.	1.3	31
17	Nanomedicine-based formulations containing $\omega$ -3 polyunsaturated fatty acids: potential application in cardiovascular and neoplastic diseases. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2809-2828.	6.7	31
18	Solid lipid nanoparticles for antifungal drugs delivery for topical applications. <i>Therapeutic Delivery</i> , 2016, 7, 639-647.	2.2	30

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19	Xanthan gum-based materials for omega-3 PUFA delivery: Preparation, characterization and antineoplastic activity evaluation. <i>Carbohydrate Polymers</i> , 2019, 208, 431-440.	10.2	27
20	Development and Translation of NanoBEO, a Nanotechnology-Based Delivery System of Bergamot Essential Oil Deprived of Furocoumarins, in the Control of Agitation in Severe Dementia. <i>Pharmaceutics</i> , 2021, 13, 379.	4.5	27
21	<i>Chenopodium album</i> L. and <i>Sisymbrium officinale</i> (L.) Scop.: Phytochemical Content and In Vitro Antioxidant and Anti-Inflammatory Potential. <i>Plants</i> , 2019, 8, 505.	3.5	26
22	Solid lipid nanoparticles made of trehalose monooleate for cyclosporin-A topic release. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 49, 563-569.	3.0	25
23	Synthesis and characterization of novel chitosan-dopamine or chitosan-tyrosine conjugates for potential nose-to-brain delivery. <i>International Journal of Pharmaceutics</i> , 2020, 589, 119829.	5.2	25
24	Synthesis, Characterization, and Anti-Inflammatory Activity of Diclofenac-Bound Cotton Fibers. <i>Biomacromolecules</i> , 2010, 11, 1716-1720.	5.4	23
25	Gel-Based Materials for Ophthalmic Drug Delivery. <i>Gels</i> , 2021, 7, 130.	4.5	23
26	New Broom Fiber ( <i>Spartium junceum</i> L.) Derivatives: Preparation and Characterization. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 9489-9495.	5.2	21
27	Synthesis and antibacterial activity evaluation of a novel cotton fiber ( <i>Gossypium barbadense</i> ) ampicillin derivative. <i>Carbohydrate Polymers</i> , 2009, 78, 639-641.	10.2	20
28	Anti-Irritant and Anti-Inflammatory Effects of DHA Encapsulated in Resveratrol-Based Solid Lipid Nanoparticles in Human Keratinocytes. <i>Nutrients</i> , 2019, 11, 1400.	4.1	20
29	Preparation, characterization and in vitro activities evaluation of curcumin based microspheres for azathioprine oral delivery. <i>Reactive and Functional Polymers</i> , 2012, 72, 446-450.	4.1	19
30	Deep Eutectic Solvents for Improving the Solubilization and Delivery of Dapsone. <i>Pharmaceutics</i> , 2022, 14, 333.	4.5	19
31	Role of $\beta$ -catenin signaling in the anti-invasive effect of the omega-3 fatty acid DHA in human melanoma cells. <i>Journal of Dermatological Science</i> , 2016, 84, 149-159.	1.9	18
32	Hemostatic gauze based on chitosan and hydroquinone: preparation, characterization and blood coagulation evaluation. <i>Journal of Materials Science: Materials in Medicine</i> , 2017, 28, 190.	3.6	18
33	Ciprofloxacin-Collagen Conjugate in the Wound Healing Treatment. <i>Journal of Functional Biomaterials</i> , 2012, 3, 361-371.	4.4	17
34	Colon-specific devices based on methacrylic functionalized Tween monomer networks: Swelling studies and in vitro drug release. <i>European Polymer Journal</i> , 2010, 46, 209-216.	5.4	16
35	Biomaterials for Drugs Nose-to-Brain Transport: A New Therapeutic Approach for Neurological Diseases. <i>Materials</i> , 2021, 14, 1802.	2.9	16
36	Respirable rifampicin-based microspheres containing isoniazid for tuberculosis treatment. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 536-542.	4.0	15

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37	Characterization of a hyaluronic acid and folic acid-based hydrogel for cisplatin delivery: Antineoplastic effect in human ovarian cancer cells in vitro. <i>International Journal of Pharmaceutics</i> , 2021, 606, 120899.	5.2	15
38	Polymeric membranes with antioxidant activity based on cellulose esters and poly(vinylidene fluoride) for controlled drug delivery. <i>Journal of Membrane Science</i> , 2021, 612, 118577.	4.9	14
39	Polymeric Biomaterials for the Treatment of Cardiac Post-Infarction Injuries. <i>Pharmaceutics</i> , 2021, 13, 1038.	4.5	14
40	Harnessing Stem Cells and Neurotrophic Factors with Novel Technologies in the Treatment of Parkinson's Disease. <i>Current Stem Cell Research and Therapy</i> , 2019, 14, 549-569.	1.3	13
41	Viscosified Solid Lipid Nanoparticles Based on Naringenin and Linolenic Acid for the Release of Cyclosporine A on the Skin. <i>Molecules</i> , 2020, 25, 3535.	3.8	13
42	Special Issue on Designing Hydrogels for Controlled Drug Delivery: Guest Editors' Introduction. <i>Pharmaceutics</i> , 2020, 12, 57.	4.5	13
43	Chitosan Membranes Filled with Cyclosporine A as Possible Devices for Local Administration of Drugs in the Treatment of Breast Cancer. <i>Molecules</i> , 2021, 26, 1889.	3.8	13
44	Novel Nanoparticles Based on N,O-Carboxymethyl Chitosan-Dopamine Amide Conjugate for Nose-to-Brain Delivery. <i>Pharmaceutics</i> , 2022, 14, 147.	4.5	13
45	Trehalose-based hydrogel potentially useful for the skin burn treatment. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	12
46	Nose-to-brain delivery: A comparative study between carboxymethyl chitosan based conjugates of dopamine. <i>International Journal of Pharmaceutics</i> , 2021, 599, 120453.	5.2	12
47	Synthesis of pro-prodrugs l-lysine based for 5-aminosalicylic acid and 6-mercaptopurine colon specific release. <i>International Journal of Pharmaceutics</i> , 2011, 420, 290-296.	5.2	11
48	Solid Lipid Nanoparticles Based on L-Cysteine for Progesterone Intravaginal Delivery. <i>International Journal of Polymer Science</i> , 2019, 2019, 1-10.	2.7	10
49	Gelatin and Glycerine-Based Bioadhesive Vaginal Hydrogel. <i>Current Drug Delivery</i> , 2020, 17, 303-311.	1.6	9
50	Preparation, Characterization and Efficacy Evaluation of Synthetic Biocompatible Polymers Linking Natural Antioxidants. <i>Molecules</i> , 2012, 17, 12734-12745.	3.8	8
51	Synthesis and antioxidant activity evaluation of novel broom and cotton fibers derivatives. <i>Journal of Applied Polymer Science</i> , 2009, 114, 3177-3183.	2.6	7
52	Dextran-pegylated microparticles for enhanced cellular uptake of hydrophobic drugs. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 84, 540-548.	4.3	7
53	Novel microspheres based on triterpene saponins from the roots of <i>Physospermum verticillatum</i> (Waldst & Kit) (Apiaceae) for the improvement of gemcitabine release. <i>Journal of Pharmacy and Pharmacology</i> , 2016, 68, 275-281.	2.4	6
54	New ferroelectric liquid crystals for high-performance optical devices. <i>Liquid Crystals</i> , 2008, 35, 625-632.	2.2	5

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55	Collagen $\alpha$ -tocopherulate for topical applications: Preparation, characterization, and antioxidant activity evaluation. <i>Macromolecular Research</i> , 2012, 20, 939-943.	2.4	5
56	A New Pro-Prodrug Aminoacid-Based for Trans-Ferulic Acid and Silybin Intestinal Release. <i>Journal of Functional Biomaterials</i> , 2014, 5, 99-110.	4.4	5
57	Multifunctional membranes based on natural polymers: preparation, characterization and <i>in vitro</i> performance evaluation. <i>Polymer International</i> , 2015, 64, 344-351.	3.1	5
58	Liquid crystalline microspheres for 5-fluorouracil specific release. <i>Journal of Drug Delivery Science and Technology</i> , 2017, 41, 482-487.	3.0	4
59	Anticancer activity of a hydrogel containing folic acid towards MCF-7 and MDA-MB-231 cells. <i>Anticancer Research</i> , 2013, 33, 4847-54.	1.1	4
60	Production of $\alpha$ -Tocopherol-Chitosan Nanoparticles by Membrane Emulsification. <i>Molecules</i> , 2022, 27, 2319.	3.8	4
61	Nano- and Micro-Technologies Applied to Food Nutritional Ingredients. <i>Current Drug Delivery</i> , 2021, 18, 670-678.	1.6	3
62	Multifunctional Membranes Based on $\beta$ -Glucans and Chitosan Useful in Wound Treatment. <i>Membranes</i> , 2022, 12, 121.	3.0	3
63	$\alpha$ -Tocopherol-loaded nanoparticles based on chitosan as potential tools in psoriasis treatment. <i>Procedia CIRP</i> , 2022, 110, 277-281.	1.9	2