

# Adriana Trapani

## List of Publications by Year in descending order

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69  
papers

2,798  
citations

159585

30  
h-index

182427

51  
g-index

69  
all docs

69  
docs citations

69  
times ranked

4240  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyaluronic acid and its derivatives in drug delivery and imaging: Recent advances and challenges. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 97, 400-416.	4.3	221
2	Characterization and evaluation of chitosan nanoparticles for dopamine brain delivery. <i>International Journal of Pharmaceutics</i> , 2011, 419, 296-307.	5.2	183
3	New strategies to deliver anticancer drugs to brain tumors. <i>Expert Opinion on Drug Delivery</i> , 2009, 6, 1017-1032.	5.0	179
4	A comparative study of chitosan and chitosan/cyclodextrin nanoparticles as potential carriers for the oral delivery of small peptides†. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 75, 26-32.	4.3	139
5	The potential of glycol chitosan nanoparticles as carrier for low water soluble drugs. <i>International Journal of Pharmaceutics</i> , 2009, 375, 97-106.	5.2	106
6	Recent Advances in Medicinal Chemistry and Pharmaceutical Technology- Strategies for Drug Delivery to the Brain. <i>Current Topics in Medicinal Chemistry</i> , 2009, 9, 182-196.	2.1	95
7	Intranasal delivery of dopamine to the striatum using glycol chitosan/sulfobutylether- $\beta$ -cyclodextrin based nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 94, 180-193.	4.3	81
8	Recent advances in ligand targeted therapy. <i>Journal of Drug Targeting</i> , 2012, 20, 1-22.	4.4	80
9	Systemic heparin delivery by the pulmonary route using chitosan and glycol chitosan nanoparticles. <i>International Journal of Pharmaceutics</i> , 2013, 447, 115-123.	5.2	77
10	Structure-Activity Relationships and Effects on Neuroactive Steroid Synthesis in a Series of 2-Phenylimidazo[1,2-a]pyridineacetamide Peripheral Benzodiazepine Receptors Ligands. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 292-305.	6.4	72
11	The use of Eudragit® RS 100/cyclodextrin nanoparticles for the transmucosal administration of glutathione. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 72, 509-520.	4.3	65
12	Dopamine-loaded chitosan nanoparticles: formulation and analytical characterization. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1997-2002.	3.7	62
13	Eudragit RS 100 microparticles containing 2-hydroxypropyl- $\beta$ -cyclodextrin and glutathione: Physicochemical characterization, drug release and transport studies. <i>European Journal of Pharmaceutical Sciences</i> , 2007, 30, 64-74.	4.0	61
14	Methotrexate-Loaded Chitosan- and Glycolchitosan-Based Nanoparticles: A Promising Strategy for the Administration of the Anticancer Drug to Brain Tumors. <i>AAPS PharmSciTech</i> , 2011, 12, 1302-1311.	3.3	61
15	Mesenchymal stromal cells loading curcumin-INVITE-micelles: A drug delivery system for neurodegenerative diseases. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 125, 300-308.	5.0	61
16	Characterization and cytocompatibility of an antibiotic/chitosan/cyclodextrins nanocoating on titanium implants. <i>Carbohydrate Polymers</i> , 2014, 110, 173-182.	10.2	60
17	Targeting of the Translocator Protein 18 kDa (TSPO): A Valuable Approach for Nuclear and Optical Imaging of Activated Microglia. <i>Bioconjugate Chemistry</i> , 2013, 24, 1415-1428.	3.6	52
18	Inulin based micelles loaded with curcumin or celecoxib with effective anti-angiogenic activity. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 93, 141-146.	4.0	49

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19	Inulin- $\alpha$ -Tocopherol Succinate (INVITE) Nanomicelles as a Platform for Effective Intravenous Administration of Curcumin. <i>Biomacromolecules</i> , 2015, 16, 550-557.	5.4	44
20	Nanocomplexes for gene therapy of respiratory diseases: Targeting and overcoming the mucus barrier. <i>Pulmonary Pharmacology and Therapeutics</i> , 2015, 34, 8-24.	2.6	43
21	Mucoadhesive properties of low molecular weight chitosan- or glycol chitosan- and corresponding thiomers-coated poly(isobutylcyanoacrylate) core-shell nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 117, 315-323.	4.3	42
22	Preparation of drug-loaded small unilamellar liposomes and evaluation of their potential for the treatment of chronic respiratory diseases. <i>International Journal of Pharmaceutics</i> , 2018, 545, 378-388.	5.2	42
23	Design, synthesis and evaluation of biotin decorated inulin-based polymeric micelles as long-circulating nanocarriers for targeted drug delivery. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1245-1254.	3.3	41
24	Evaluation of new propofol aqueous solutions for intravenous anesthesia. <i>International Journal of Pharmaceutics</i> , 2004, 278, 91-98.	5.2	40
25	Translocator Protein (TSPO) Ligand <sup>+</sup> Ara-C (Cytarabine) Conjugates as a Strategy To Deliver Antineoplastic Drugs and To Enhance Drug Clinical Potential. <i>Molecular Pharmaceutics</i> , 2010, 7, 2255-2269.	4.6	37
26	pH-sensitive inulin-based nanomicelles for intestinal site-specific and controlled release of celecoxib. <i>Carbohydrate Polymers</i> , 2018, 181, 570-578.	10.2	37
27	Novel codrugs with GABAergic activity for dopamine delivery in the brain. <i>International Journal of Pharmaceutics</i> , 2012, 437, 221-231.	5.2	36
28	Drug delivery of rifampicin by natural micelles based on inulin: Physicochemical properties, antibacterial activity and human macrophages uptake. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 136, 250-258.	4.3	36
29	Frog intestinal sac: A new in vitro method for the assessment of intestinal permeability**Part of this article was presented at the European Conference on Drug Delivery and Pharmaceutical Technology, Sevilla, Spain, May 10 <sup>th</sup> -12, 2004. <i>Journal of Pharmaceutical Sciences</i> , 2004, 93, 2909-2919.	3.3	35
30	Mucoadhesive Properties and Interaction with P-Glycoprotein (P-gp) of Thiolated-Chitosans and -Glycol Chitosans and Corresponding Parent Polymers: A Comparative Study. <i>Biomacromolecules</i> , 2014, 15, 882-893.	5.4	35
31	Development and analytical characterization of vitamin(s)-loaded chitosan nanoparticles for potential food packaging applications. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	31
32	Effect of Methyl- $\beta$ -Cyclodextrin on the antimicrobial activity of a new series of poorly water-soluble benzothiazoles. <i>Carbohydrate Polymers</i> , 2019, 207, 720-728.	10.2	31
33	In vitro investigations on dopamine loaded Solid Lipid Nanoparticles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 185, 113257.	2.8	30
34	In vitro evaluation of glycol chitosan based formulations as oral delivery systems for efflux pump inhibition. <i>Carbohydrate Polymers</i> , 2017, 166, 73-82.	10.2	28
35	In vitro efficacy of silk sericin microparticles and platelet lysate for intervertebral disk regeneration. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 792-799.	7.5	28
36	Protection of dopamine towards autoxidation reaction by encapsulation into non-coated- or chitosan- or thiolated chitosan-coated-liposomes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 11-19.	5.0	27

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37	Cyto/Biocompatibility of Dopamine Combined with the Antioxidant Grape Seed-Derived Polyphenol Compounds in Solid Lipid Nanoparticles. <i>Molecules</i> , 2021, 26, 916.	3.8	27
38	In vitro characterization of 6-Coumarin loaded solid lipid nanoparticles and their uptake by immunocompetent fish cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 127, 79-88.	5.0	26
39	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
40	Bovine and soybean milk bioactive compounds: Effects on inflammatory response of human intestinal Caco-2 cells. <i>Food Chemistry</i> , 2016, 210, 276-285.	8.2	23
41	New Fluorescent Probes Targeting the Mitochondrial-Located Translocator Protein 18kDa (TSPO) as Activated Microglia Imaging Agents. <i>Pharmaceutical Research</i> , 2011, 28, 2820-2832.	3.5	22
42	Spectroscopic Characterization of Copper-Chitosan Nanoantimicrobials Prepared by Laser Ablation Synthesis in Aqueous Solutions. <i>Nanomaterials</i> , 2017, 7, 6.	4.1	19
43	In vitro and ex vivo studies on diltiazem hydrochloride-loaded microsponges in rectal gels for chronic anal fissures treatment. <i>International Journal of Pharmaceutics</i> , 2019, 557, 53-65.	5.2	19
44	Comparative effects of some hydrophilic excipients on the rate of gabapentin and baclofen lactamization in lyophilized formulations. <i>International Journal of Pharmaceutics</i> , 2007, 332, 98-106.	5.2	18
45	Ciprofloxacin-loaded Chitosan Nanoparticles as Titanium Coatings: A Valuable Strategy to Prevent Implant-associated Infections. <i>Nano Biomedicine and Engineering</i> , 2012, 4, .	0.9	17
46	Glutathione-loaded solid lipid nanoparticles based on Gelucire® 50/13: Spectroscopic characterization and interactions with fish cells. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 47, 359-366.	3.0	17
47	Erythrocytes and Nanoparticles: New Therapeutic Systems. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2173.	2.5	16
48	Effect of cyclodextrins on physico-chemical and release properties of Eudragit RS 100 microparticles containing glutathione. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007, 57, 425-432.	1.6	15
49	Anti-angiogenic activity of uncoated- and N,O-carboxymethyl-chitosan surface modified-Gelucire® 50/13 based solid lipid nanoparticles for oral delivery of curcumin. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 56, 101494.	3.0	15
50	Oxidized Alginate Dopamine Conjugate: In Vitro Characterization for Nose-to-Brain Delivery Application. <i>Materials</i> , 2021, 14, 3495.	2.9	15
51	Dopamine-loaded lipid based nanocarriers for intranasal administration of the neurotransmitter: A comparative study. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 167, 189-200.	4.3	15
52	Combination of inulin and $\beta$ -cyclodextrin properties for colon delivery of hydrophobic drugs. <i>International Journal of Pharmaceutics</i> , 2020, 589, 119861.	5.2	14
53	Nanocarriers for Respiratory Diseases Treatment: Recent Advances and Current Challenges. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 1133-1147.	2.1	14
54	Relationship between dissolution efficiency of Oxazepam/carrier blends and drug and carrier molecular descriptors using multivariate regression analysis. <i>International Journal of Pharmaceutics</i> , 2008, 358, 60-68.	5.2	13

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55	A novel injectable formulation of 6-fluoro-L-DOPA imaging agent for diagnosis of neuroendocrine tumors and Parkinson's disease. <i>International Journal of Pharmaceutics</i> , 2017, 519, 304-313.	5.2	13
56	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
57	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
58	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
59	Frog intestinal sac as an in vitro method for the assessment of intestinal permeability in humans: Application to carrier transported drugs. <i>International Journal of Pharmaceutics</i> , 2008, 352, 182-188.	5.2	10
60	A Micellar-Hydrogel Nanogrid from a UV Crosslinked Inulin Derivative for the Simultaneous Delivery of Hydrophobic and Hydrophilic Drugs. <i>Pharmaceutics</i> , 2018, 10, 97.	4.5	10
61	Solid Lipid Nanoparticles Administering Antioxidant Grape Seed-Derived Polyphenol Compounds: A Potential Application in Aquaculture. <i>Molecules</i> , 2022, 27, 344.	3.8	9
62	Griseofulvin/Carrier Blends: Application of Partial Least Squares (PLS) Regression Analysis for Estimating the Factors Affecting the Dissolution Efficiency. <i>AAPS PharmSciTech</i> , 2011, 12, 1019-1030.	3.3	8
63	Enzyme controlled release of celecoxib from inulin based nanomicelles. <i>Journal of Cellular Biotechnology</i> , 2015, 1, 107-118.	0.5	8
64	Solid lipid nanoparticles made of self-emulsifying lipids for efficient encapsulation of hydrophilic substances. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	8
65	Î±-Tocopherol/chitosan-based nanoparticles: characterization and preliminary investigations for emulsion systems application. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	7
66	Glutathione loaded solid lipid nanoparticles: Preparation and in vitro evaluation as a delivery systems of the antioxidant peptide to immunocompetent fish cells. <i>Journal of Cellular Biotechnology</i> , 2016, 2, 1-14.	0.5	7
67	Laser Ablation Synthesis in Solution of Nanoantimicrobials for Food Packaging Applications. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1804, 37-42.	0.1	2
68	Colloidal nanosystems from natural and renewable resources. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
69	Cationic Polymers for Gene Delivery into Mesenchymal Stem Cells as a Novel Approach to Regenerative Medicine. <i>RSC Polymer Chemistry Series</i> , 2014, , 386-437.	0.2	0