

# Elisabetta Gavini

## List of Publications by Year in descending order

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83  
papers

3,315  
citations

136740

32  
h-index

161609

54  
g-index

85  
all docs

85  
docs citations

85  
times ranked

4522  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nose-to-brain delivery of BACE1 siRNA loaded in solid lipid nanoparticles for Alzheimer's therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 296-301.	2.5	163
2	Formulation and in vivo evaluation of chlorhexidine buccal tablets prepared using drug-loaded chitosan microspheres. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2002, 53, 233-239.	2.0	161
3	Nanoemulsions for "Nose-to-Brain" Drug Delivery. <i>Pharmaceutics</i> , 2019, 11, 84.	2.0	158
4	Indocyanine green delivery systems for tumour detection and treatments. <i>Biotechnology Advances</i> , 2016, 34, 768-789.	6.0	143
5	Nasal administration of Carbamazepine using chitosan microspheres: In vitro/in vivo studies. <i>International Journal of Pharmaceutics</i> , 2006, 307, 9-15.	2.6	142
6	PLGA microspheres for the ocular delivery of a peptide drug, vancomycin using emulsification/spray-drying as the preparation method: in vitro/in vivo studies. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004, 57, 207-212.	2.0	134
7	Solid microparticles based on chitosan or methyl- $\beta$ -cyclodextrin: A first formulative approach to increase the nose-to-brain transport of deferoxamine mesylate. <i>Journal of Controlled Release</i> , 2015, 201, 68-77.	4.8	116
8	Mucoadhesive microspheres for nasal administration of an antiemetic drug, metoclopramide: in-vitro/ex-vivo studies. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 57, 287-294.	1.2	104
9	Solid lipid nanoparticles (SLN) as carriers for the topical delivery of econazole nitrate: in-vitro characterization, ex-vivo and in-vivo studies. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 59, 1057-1064.	1.2	98
10	Composite chitosan/alginate hydrogel for controlled release of deferoxamine: A system to potentially treat iron dysregulation diseases. <i>Carbohydrate Polymers</i> , 2016, 136, 1338-1347.	5.1	93
11	Spray-dried microspheres based on methylpyrrolidinone chitosan as new carrier for nasal administration of metoclopramide. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 68, 245-252.	2.0	72
12	Improvement of thymol properties by complexation with cyclodextrins: In vitro and in vivo studies. <i>Carbohydrate Polymers</i> , 2014, 102, 393-399.	5.1	71
13	Particulate formulations based on chitosan for nose-to-brain delivery of drugs. A review. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 32, 77-87.	1.4	66
14	Intranasal Delivery of Genistein-Loaded Nanoparticles as a Potential Preventive System against Neurodegenerative Disorders. <i>Pharmaceutics</i> , 2019, 11, 8.	2.0	66
15	Preparation and in vivo toxicity study of solid lipid microparticles as carrier for pulmonary administration. <i>AAPS PharmSciTech</i> , 2004, 5, 17-23.	1.5	63
16	Brain uptake of an anti-ischemic agent by nasal administration of microparticles. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 4889-4903.	1.6	62
17	Frontal polymerization as a new method for developing drug controlled release systems (DCRS) based on polyacrylamide. <i>European Polymer Journal</i> , 2009, 45, 690-699.	2.6	61
18	Nasal chitosan microparticles target a zidovudine prodrug to brain HIV sanctuaries. <i>Antiviral Research</i> , 2015, 123, 146-157.	1.9	56

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19	Influence of polymeric microcarriers on the in vivo intranasal uptake of an anti-migraine drug for brain targeting. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 83, 174-183.	2.0	53
20	Natural collagenic skeleton of marine sponges in pharmaceutics: Innovative biomaterial for topical drug delivery. <i>Materials Science and Engineering C</i> , 2017, 70, 710-720.	3.8	53
21	Influence of Chitosan Glutamate on the in vivo Intranasal Absorption of Rokitamycin from Microspheres. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 1488-1502.	1.6	51
22	Natural zeolites for pharmaceutical formulations: Preparation and evaluation of a clinoptilolite-based material. <i>Microporous and Mesoporous Materials</i> , 2016, 223, 58-67.	2.2	48
23	Nanotechnology-based rose Bengal: A broad-spectrum biomedical tool. <i>Dyes and Pigments</i> , 2021, 188, 109236.	2.0	45
24	Mucoadhesive vaginal tablets as veterinary delivery system for the controlled release of an antimicrobial drug, acriflavine. <i>AAPS PharmSciTech</i> , 2002, 3, 32-38.	1.5	44
25	New chitosan derivatives for the preparation of rokitamycin loaded microspheres designed for ocular or nasal administration. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 4852-4865.	1.6	43
26	Transarterial chemoembolization of hepatocellular carcinoma “ agents and drugs: an overview. Part 2. <i>Expert Opinion on Drug Delivery</i> , 2013, 10, 799-810.	2.4	41
27	Synthesis, cytotoxicity and antiviral evaluation of new series of imidazo[4,5-g]quinoline and pyrido[2,3-g]quinoxalinone derivatives. <i>European Journal of Medicinal Chemistry</i> , 2015, 105, 63-79.	2.6	38
28	Increasing protective activity of genistein by loading into transfersomes: A new potential adjuvant in the oxidative stress-related neurodegenerative diseases?. <i>Phytomedicine</i> , 2019, 52, 23-31.	2.3	38
29	Mucoadhesive microspheres for nasal administration of cyclodextrins. <i>Journal of Drug Targeting</i> , 2009, 17, 168-179.	2.1	37
30	Evaluation of solid lipid microparticles produced by spray congealing for topical application of econazole nitrate. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 61, 559-567.	1.2	37
31	Nose-to-Brain Delivery. <i>Pharmaceutics</i> , 2020, 12, 138.	2.0	36
32	<p><p>Clinical Assessment of New Topical Cream Containing Two Essential Oils Combined with Tretinoin in the Treatment of Acne<p>. <i>Clinical, Cosmetic and Investigational Dermatology</i> , 2020, Volume 13, 233-239.	0.8	34
33	Solid Lipid Microparticles (SLM) Containing Juniper Oil as Anti-Acne Topical Carriers: Preliminary Studies. <i>Pharmaceutical Development and Technology</i> , 2005, 10, 479-487.	1.1	33
34	Chitosan Nanoparticles for Therapy and Theranostics of Hepatocellular Carcinoma (HCC) and Liver-Targeting. <i>Nanomaterials</i> , 2020, 10, 870.	1.9	33
35	The Role of Combined Penetration Enhancers in Nasal Microspheres on In Vivo Drug Bioavailability. <i>Pharmaceutics</i> , 2018, 10, 206.	2.0	31
36	Development of thermosensitive chitosan/glicerophospate injectablein situgelling solutions for potential application in intraoperative fluorescence imaging and local therapy of hepatocellular carcinoma: a preliminary study. <i>Expert Opinion on Drug Delivery</i> , 2015, 12, 1583-1596.	2.4	30

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37	Propolis as lipid bioactive nano-carrier for topical nasal drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 908-917.	2.5	29
38	Neuroprotective Effects of Engineered Polymeric Nasal Microspheres Containing Hydroxypropyl- $\beta$ -cyclodextrin on $\beta$ -Amyloid (1-42)-Induced Toxicity. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 2372-2380.	1.6	29
39	Ketoprofen Spray-dried Microspheres Based on Eudragit <sup>®</sup> RS and RL: Study of the Manufacturing Parameters. <i>Drug Development and Industrial Pharmacy</i> , 2008, 34, 1178-1187.	0.9	27
40	Development of solid nanoparticles based on hydroxypropyl- $\beta$ -cyclodextrin aimed for the colonic transmucosal delivery of diclofenac sodium. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 472-482.	1.2	27
41	Transarterial chemoembolization of hepatocellular carcinoma. Agents and drugs: an overview. Part 1. <i>Expert Opinion on Drug Delivery</i> , 2013, 10, 679-690.	2.4	27
42	Lymph node metastases: importance of detection and treatment strategies. <i>Expert Opinion on Drug Delivery</i> , 2018, 15, 459-467.	2.4	26
43	Sustained Release from Injectable Composite Gels Loaded with Silver Nanowires Designed to Combat Bacterial Resistance in Bone Regeneration Applications. <i>Pharmaceutics</i> , 2019, 11, 116.	2.0	25
44	Improving Dermal Delivery of Rose Bengal by Deformable Lipid Nanovesicles for Topical Treatment of Melanoma. <i>Molecular Pharmaceutics</i> , 2021, 18, 4046-4057.	2.3	25
45	Mucoadhesive vaginal tablets as veterinary delivery system for the controlled release of an antimicrobial drug, acriflavine. <i>AAPS PharmSciTech</i> , 2002, 3, 32-38.	1.5	25
46	Solid lipid nanoparticles with and without hydroxypropyl- $\beta$ -cyclodextrin: a comparative study of nanoparticles designed for colonic drug delivery. <i>Nanotechnology</i> , 2012, 23, 095101.	1.3	23
47	Evaluation of the effect of hydroxypropyl- $\beta$ -cyclodextrin on topical administration of milk thistle extract. <i>Carbohydrate Polymers</i> , 2013, 92, 40-47.	5.1	23
48	Encapsulation and modified-release of thymol from oral microparticles as adjuvant or substitute to current medications. <i>Phytomedicine</i> , 2014, 21, 1627-1632.	2.3	23
49	Aqueous injection of quercetin: An approach for confirmation of its direct in vivo cardiovascular effects. <i>International Journal of Pharmaceutics</i> , 2018, 541, 224-233.	2.6	23
50	Transmucosal Solid Lipid Nanoparticles to Improve Genistein Absorption via Intestinal Lymphatic Transport. <i>Pharmaceutics</i> , 2021, 13, 267.	2.0	23
51	Galactosyl Prodrug of Ketorolac: Synthesis, Stability, and Pharmacological and Pharmacokinetic Evaluations. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 3794-3800.	2.9	22
52	Surface Thermodynamics of Mucoadhesive Dry Powder Formulation of Zolmitriptan. <i>AAPS PharmSciTech</i> , 2011, 12, 1186-1192.	1.5	22
53	Polymeric and Lipid Nanoparticles: Which Applications in Pediatrics?. <i>Pharmaceutics</i> , 2021, 13, 670.	2.0	21
54	Engineered polymeric microspheres obtained by multi-step method as potential systems for transarterial embolization and intraoperative imaging of HCC: Preliminary evaluation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 117, 160-167.	2.0	20

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55	Investigation of Cytotoxicity and Cell Uptake of Cationic Beta-Cyclodextrins as Valid Tools in Nasal Delivery. <i>Pharmaceutics</i> , 2020, 12, 658.	2.0	20
56	Bio-based topical system for enhanced salicylic acid delivery: preparation and performance of gels. <i>Journal of Pharmacy and Pharmacology</i> , 2016, 68, 999-1009.	1.2	19
57	Solid Lipid Nanoparticles as Formulative Strategy to Increase Oral Permeation of a Molecule Active in Multidrug-Resistant Tuberculosis Management. <i>Pharmaceutics</i> , 2020, 12, 1132.	2.0	19
58	From naturally-occurring neurotoxic agents to CNS shuttles for drug delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 74, 63-76.	1.9	18
59	Electrochemotherapy of Deep-Seated Tumors: State of Art and Perspectives as Possible "EPR Effect Enhancer" to Improve Cancer Nanomedicine Efficacy. <i>Cancers</i> , 2021, 13, 4437.	1.7	17
60	Quantitative determination of zolmitriptan in rat blood and cerebrospinal fluid by reversed phase HPLC-ESI-MS/MS analysis: Application to in vivo preclinical pharmacokinetic study. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 901, 72-78.	1.2	16
61	The effect of formulative parameters on the size and physical stability of SLN based on "green" components. <i>Pharmaceutical Development and Technology</i> , 2016, 21, 98-107.	1.1	15
62	Prolonged skin retention of clobetasol propionate by bio-based microemulsions: a potential tool for scalp psoriasis treatment. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 398-406.	0.9	15
63	Biodegradable Microspheres as Intravitreal Delivery Systems for Prolonged Drug Release. What is their Eminence in the Nanoparticle Era?. <i>Current Drug Delivery</i> , 2018, 15, 930-940.	0.8	15
64	Nose-to-Brain Delivery of Antioxidants as a Potential Tool for the Therapy of Neurological Diseases. <i>Pharmaceutics</i> , 2020, 12, 1246.	2.0	15
65	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.	0.6	13
66	Versatile Nasal Application of Cyclodextrins: Excipients and/or Actives?. <i>Pharmaceutics</i> , 2021, 13, 1180.	2.0	13
67	Engineered microparticles based on drug-polymer coprecipitates for ocular-controlled delivery of Ciprofloxacin: influence of technological parameters. <i>Drug Development and Industrial Pharmacy</i> , 2016, 42, 554-562.	0.9	12
68	A New Sensitive Reversed-Phase High-Performance Liquid Chromatography Method for the Quantitative Determination of Metoclopramide in Canine Plasma. <i>Analytical Letters</i> , 2008, 41, 767-778.	1.0	10
69	Poly (ethyl 2-cyanoacrylate) nanoparticles (PECA-NPs) as possible agents in tumor treatment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 520-528.	2.5	10
70	Indocyanine Green Loaded Polymeric Nanoparticles: Physicochemical Characterization and Interaction Studies with Caco-2 Cell Line by Light and Transmission Electron Microscopy. <i>Nanomaterials</i> , 2020, 10, 133.	1.9	10
71	Hydroxypropyl- $\beta$ -Cyclodextrin Formulated in Nasal Chitosan Microspheres as Candidate Therapeutic Agent in Alzheimer's Disease. <i>Current Drug Delivery</i> , 2018, 15, 746-748.	0.8	9
72	Antibacterial activity of Na-clinoptilolite against <i>Helicobacter pylori</i> : in-vitro tests, synergistic effect with amoxicillin and stability of the antibiotic formulated with the zeolite. <i>Microporous and Mesoporous Materials</i> , 2019, 288, 109592.	2.2	8

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73	Polymeric nanomicelles based on inulin D Î±-tocopherol succinate for the treatment of diabetic retinopathy. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102286.	1.4	8
74	Crocetin as New Cross-Linker for Bioactive Sericin Nanoparticles. <i>Pharmaceutics</i> , 2021, 13, 680.	2.0	8
75	Mucoadhesive Drug Delivery Systems for Nose-to-Brain Targeting of Dopamine. <i>Journal of Nanoneuroscience</i> , 2012, 2, 47-55.	0.5	8
76	In situ forming biodegradable poly(Îµ-caprolactone) microsphere systems: a challenge for transarterial embolization therapy. In vitro and preliminary ex vivo studies. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 453-465.	2.4	7
77	Improvement of Antiamoebic Activity of Rokitamycin Loaded in Chitosan Microspheres. <i>Open Drug Delivery Journal</i> , 2008, 2, 38-43.	2.0	7
78	Nanoparticles in detection and treatment of lymph node metastases: an update from the point of view of administration routes. <i>Expert Opinion on Drug Delivery</i> , 2018, 15, 1117-1126.	2.4	6
79	Surfactant-Free Chitosan/Cellulose Acetate Phthalate Nanoparticles: An Attempt to Solve the Needs of Captopril Administration in Paediatrics. <i>Pharmaceutics</i> , 2022, 15, 662.	1.7	6
80	Antibacterial activity of Zn-loaded Cuban zeolite against <i>Helicobacter pylori</i> in comparison to its Na-loaded and unmodified counterparts. <i>Environmental Geochemistry and Health</i> , 2021, 43, 2037-2048.	1.8	5
81	Novel Utilization of Therapeutic Coatings Based on Infiltrated Encapsulated Rose Bengal Microspheres in Porous Titanium for Implant Applications. <i>Pharmaceutics</i> , 2022, 14, 1244.	2.0	5
82	Synthesis of 2-((Quinoxalin-2-ylamino)benzotriazolyl) Pentanedioic Derivatives as Potential Anti-Folate Agents. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 1721-1737.	1.4	3
83	Studies of Technological Parameters Influencing the Protein-Polymeric Nanoparticles Adsorption Process for Transmucosal Administration. <i>Current Nanoscience</i> , 2012, 8, 819-829.	0.7	2