

# Stefano Giovagnoli

## List of Publications by Year in descending order

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115  
papers

3,972  
citations

109264

35  
h-index

143943

57  
g-index

120  
all docs

120  
docs citations

120  
times ranked

5608  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid lipid nanoparticles for targeted brain drug delivery†. <i>Advanced Drug Delivery Reviews</i> , 2007, 59, 454-477.	6.6	432
2	Modification of theophylline release with alginate gel formed in hard capsules. <i>AAPS PharmSciTech</i> , 2007, 8, E1-E8.	1.5	235
3	Development of mucoadhesive patches for buccal administration of ibuprofen. <i>Journal of Controlled Release</i> , 2004, 99, 73-82.	4.8	208
4	Novel mucoadhesive buccal formulation containing metronidazole for the treatment of periodontal disease. <i>Journal of Controlled Release</i> , 2004, 95, 521-533.	4.8	153
5	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
6	Improvement of dissolution rate of piroxicam by inclusion into MCM-41 mesoporous silicate. <i>European Journal of Pharmaceutical Sciences</i> , 2007, 32, 216-222.	1.9	91
7	Ketoprofen controlled release from composite microcapsules for cell encapsulation: Effect on post-transplant acute inflammation. <i>Journal of Controlled Release</i> , 2005, 107, 395-407.	4.8	83
8	Ketoprofen poly(lactide-co-glycolide) physical interaction. <i>AAPS PharmSciTech</i> , 2007, 8, E78-E85.	1.5	76
9	Chitosan films containing mesoporous SBA-15 supported silver nanoparticles for wound dressing. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6054.	2.9	75
10	Preparation and characterization of poly(D,L-lactide-co-glycolide) microspheres for controlled release of human growth hormone. <i>AAPS PharmSciTech</i> , 2003, 4, 147-156.	1.5	72
11	Preparation of large porous biodegradable microspheres by using a simple double-emulsion method for capreomycin sulfate pulmonary delivery. <i>International Journal of Pharmaceutics</i> , 2007, 333, 103-111.	2.6	69
12	Biodegradable microspheres as carriers for native superoxide dismutase and catalase delivery. <i>AAPS PharmSciTech</i> , 2004, 5, 1-9.	1.5	66
13	Development of a spray-drying method for the formulation of respirable microparticles containing ofloxacin-palladium complex. <i>International Journal of Pharmaceutics</i> , 2013, 440, 273-282.	2.6	58
14	Long-term delivery of superoxide dismutase and catalase entrapped in poly(lactide-co-glycolide) microspheres: In vitro effects on isolated neonatal porcine pancreatic cell clusters. <i>Journal of Controlled Release</i> , 2005, 107, 65-77.	4.8	56
15	Novel composite microparticles for protein stabilization and delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 36, 226-234.	1.9	54
16	Development of a scalable procedure for fine calcium alginate particle preparation. <i>Chemical Engineering Journal</i> , 2010, 160, 363-369.	6.6	54
17	Development of liposomal capreomycin sulfate formulations: Effects of formulation variables on peptide encapsulation. <i>International Journal of Pharmaceutics</i> , 2006, 311, 172-181.	2.6	52
18	Extremely Active, Tunable, and pH-Responsive Iridium Water Oxidation Catalysts. <i>ACS Energy Letters</i> , 2017, 2, 105-110.	8.8	52

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19	Extracellular vesicles released by fibroblasts undergoing H-Ras induced senescence show changes in lipid profile. PLoS ONE, 2017, 12, e0188840.	1.1	52
20	Eudragit® and hydrotalcite-like anionic clay composite system for diclofenac colonic delivery. Microporous and Mesoporous Materials, 2008, 115, 405-415.	2.2	50
21	Delivering Drugs to the Central Nervous System: A Medicinal Chemistry or a Pharmaceutical Technology Issue?. Current Medicinal Chemistry, 2006, 13, 1757-1775.	1.2	48
22	Lipid nanoparticles for brain targeting I. Formulation optimization. International Journal of Pharmaceutics, 2011, 419, 287-295.	2.6	48
23	Mucoadhesive bilayered tablets for buccal sustained release of flurbiprofen. AAPS PharmSciTech, 2007, 8, E20-E27.	1.5	45
24	Stem cells from human amniotic fluid exert immunoregulatory function <i>via</i> secreted indoleamine 2,3-dioxygenase1. Journal of Cellular and Molecular Medicine, 2015, 19, 1593-1605.	1.6	45
25	IVVC from Long Acting Olanzapine Microspheres. International Journal of Biomaterials, 2014, 2014, 1-11.	1.1	44
26	Meeting the unmet: from traditional to cutting-edge techniques for poly lactide and poly lactide-co-glycolide microparticle manufacturing. Journal of Pharmaceutical Investigation, 2019, 49, 381-404.	2.7	44
27	Capreomycin supergenerics for pulmonary tuberculosis treatment: Preparation, in vitro, and in vivo characterization. European Journal of Pharmaceutics and Biopharmaceutics, 2013, 83, 388-395.	2.0	43
28	An Inhalable Theranostic System for Local Tuberculosis Treatment Containing an Isoniazid Loaded Metal Organic Framework Fe-MIL-101-NH <sub>2</sub> ”From Raw MOF to Drug Delivery System. Pharmaceutics, 2019, 11, 687.	2.0	42
29	Potential prodrugs of non-steroidal anti-inflammatory agents for targeted drug delivery to the CNS. European Journal of Medicinal Chemistry, 2004, 39, 715-727.	2.6	41
30	Reaction kinetics and targeting to cellular glutathione S-transferase of the glutathione peroxidase mimetic PhSeZnCl and its d,l-poly(lactide) microparticle formulation. Free Radical Biology and Medicine, 2015, 78, 56-65.	1.3	41
31	Early intrathecal infusion of everolimus restores cognitive function and mood in a murine model of Alzheimer's disease. Experimental Neurology, 2019, 311, 88-105.	2.0	41
32	Synthesis of colloidal dispersions of NiAl, ZnAl, NiCr, ZnCr, NiFe, and MgFe hydrotalcite-like nanoparticles. Journal of Colloid and Interface Science, 2012, 376, 20-27.	5.0	40
33	Optimizing therapeutic outcomes of immune checkpoint blockade by a microbial tryptophan metabolite. , 2022, 10, e003725.		39
34	Fighting tuberculosis: old drugs, new formulations. Expert Opinion on Drug Delivery, 2009, 6, 977-993.	2.4	38
35	Colloidal nickel(0)-carboxymethyl cellulose particles: A biopolymer-inorganic catalyst for hydrogenation of nitro-aromatics and carbonyl compounds. Catalysis Communications, 2013, 32, 92-100.	1.6	37
36	Development and characterization of mucoadhesive-thermoresponsive gels for the treatment of oral mucosa diseases. European Journal of Pharmaceutical Sciences, 2020, 142, 105125.	1.9	37

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37	Regulation of host physiology and immunity by microbial indole-3-aldehyde. <i>Current Opinion in Immunology</i> , 2021, 70, 27-32.	2.4	35
38	In vitro–in vivo correlation from lactide-co-glycolide polymeric dosage forms. <i>Progress in Biomaterials</i> , 2014, 3, 131-142.	1.8	34
39	Development of Risperidone PLGA Microspheres. <i>Journal of Drug Delivery</i> , 2014, 2014, 1-11.	2.5	34
40	Lipid nanoparticles for brain targeting II. Technological characterization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 130-137.	2.5	32
41	Preparation and in vitro and in vivo characterization of composite microcapsules for cell encapsulation. <i>International Journal of Pharmaceutics</i> , 2006, 324, 27-36.	2.6	31
42	Capreomycin inhalable powders prepared with an innovative spray-drying technique. <i>International Journal of Pharmaceutics</i> , 2014, 469, 132-139.	2.6	31
43	Rapamycin Loaded Solid Lipid Nanoparticles as a New Tool to Deliver mTOR Inhibitors: Formulation and in Vitro Characterization. <i>Nanomaterials</i> , 2016, 6, 87.	1.9	31
44	Multifunctional microcapsules for pancreatic islet cell entrapment: design, preparation and in vitro characterization. <i>Biomaterials</i> , 2003, 24, 3101-3114.	5.7	29
45	Physicochemical characterization and release mechanism of a novel prednisone biodegradable microsphere formulation. <i>Journal of Pharmaceutical Sciences</i> , 2008, 97, 303-317.	1.6	28
46	Formulation studies of benzydamine mucoadhesive formulations for vaginal administration. <i>Drug Development and Industrial Pharmacy</i> , 2009, 35, 769-779.	0.9	28
47	Development of Novel Indole-3-Aldehyde–Loaded Gastro-Resistant Spray-Dried Microparticles for Postbiotic Small Intestine Local Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2341-2353.	1.6	28
48	Formulation and Release Behavior of Doxycycline–Alginate Hydrogel Microparticles Embedded into Pluronic F127 Thermogels as a Potential New Vehicle for Doxycycline Intradermal Sustained Delivery. <i>AAPS PharmSciTech</i> , 2010, 11, 212-220.	1.5	27
49	Long-term stability, functional competence, and safety of microencapsulated specific pathogen–free neonatal porcine Sertoli cells: a potential product for cell transplant therapy. <i>Xenotransplantation</i> , 2015, 22, 273-283.	1.6	26
50	Alginates in Pharmaceutics and Biomedicine: Is the Future so Bright?. <i>Current Pharmaceutical Design</i> , 2015, 21, 4917-4935.	0.9	26
51	Leucinoastatin-A loaded nanospheres: characterization and in vivo toxicity and efficacy evaluation. <i>International Journal of Pharmaceutics</i> , 2004, 275, 61-72.	2.6	25
52	Simple and scalable method for peptide inhalable powder production. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 39, 53-58.	1.9	25
53	Silica nanoparticles assisted photodegradation of acridine orange in aqueous suspensions. <i>Applied Catalysis B: Environmental</i> , 2015, 168-169, 363-369.	10.8	25
54	Intraperitoneal injection of microencapsulated Sertoli cells restores muscle morphology and performance in dystrophic mice. <i>Biomaterials</i> , 2016, 75, 313-326.	5.7	25

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55	Dry Powder Inhalers in the Digitalization Era: Current Status and Future Perspectives. <i>Pharmaceutics</i> , 2021, 13, 1455.	2.0	25
56	Rapamycin-loaded solid lipid nanoparticles: Morphology and impact of the drug loading on the phase transition between lipid polymorphs. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 502, 54-65.	2.3	24
57	Testosterone and FSH modulate Sertoli cell extracellular secretion: Proteomic analysis. <i>Molecular and Cellular Endocrinology</i> , 2018, 476, 1-7.	1.6	24
58	Towards Targeting the Aryl Hydrocarbon Receptor in Cystic Fibrosis. <i>Mediators of Inflammation</i> , 2018, 2018, 1-7.	1.4	24
59	Alginate beads as a carrier for omeprazole/SBA-15 inclusion compound: A step towards the development of personalized paediatric dosage forms. <i>Carbohydrate Polymers</i> , 2015, 133, 464-472.	5.1	23
60	Indole-3-Carboxaldehyde Restores Gut Mucosal Integrity and Protects from Liver Fibrosis in Murine Sclerosing Cholangitis. <i>Cells</i> , 2021, 10, 1622.	1.8	23
61	Unilamellar vesicles as potential capreomycin sulfate carriers: Preparation and physicochemical characterization. <i>AAPS PharmSciTech</i> , 2003, 4, 549-560.	1.5	22
62	UV spectroscopy and reverse-phase HPLC as novel methods to determine Capreomycin of liposomal formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2004, 36, 249-255.	1.4	22
63	Enteric formulated indole-3-carboxaldehyde targets the aryl hydrocarbon receptor for protection in a murine model of metabolic syndrome. <i>International Journal of Pharmaceutics</i> , 2021, 602, 120610.	2.6	22
64	Influence of Compression Force on The Behavior of Mucoadhesive Buccal Tablets. <i>AAPS PharmSciTech</i> , 2008, 9, 274-281.	1.5	20
65	Postbiotic-Enabled Targeting of the Host-Microbiota-Pathogen Interface: Hints of Antibiotic Decline?. <i>Pharmaceutics</i> , 2020, 12, 624.	2.0	20
66	Synthesis, characterization and <i>in vitro</i> extracellular and intracellular activity against <i>Mycobacterium tuberculosis</i> infection of new second-line antitubercular drug-palladium complexes. <i>Journal of Pharmacy and Pharmacology</i> , 2013, 66, 106-121.	1.2	19
67	The Influence of Feedstock and Process Variables on the Encapsulation of Drug Suspensions by Spray-Drying in Fast Drying Regime: The Case of Novel Antitubercular Drug-Palladium Complex Containing Polymeric Microparticles. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 1255-1268.	1.6	18
68	Powder, capsule and device: An imperative <i>mã©nage Å trois</i> for respirable dry powders. <i>International Journal of Pharmaceutics</i> , 2015, 494, 40-48.	2.6	18
69	Probing Internalization Effects and Biocompatibility of Ultrasmall Zirconium Metal-Organic Frameworks UiO-66 NP in U251 Glioblastoma Cancer Cells. <i>Nanomaterials</i> , 2018, 8, 867.	1.9	18
70	Tryptophan as a Central Hub for Host/Microbial Symbiosis. <i>International Journal of Tryptophan Research</i> , 2020, 13, 117864692091975.	1.0	17
71	Lipid Nanoparticles for Drug Delivery to the Brain: <i>&lt;I&gt;In Vivo Veritas&lt;/I&gt;</i> . <i>Journal of Biomedical Nanotechnology</i> , 2009, 5, 344-350.	0.5	16
72	The real value of novel particulate carriers for sunscreen formulation. <i>Expert Review of Dermatology</i> , 2011, 6, 509-517.	0.3	16

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73	Conformal polymer coatings for pancreatic islets transplantation. <i>International Journal of Pharmaceutics</i> , 2013, 440, 141-147.	2.6	16
74	TFEB activation restores migration ability to Tsc1-deficient adult neural stem/progenitor cells. <i>Human Molecular Genetics</i> , 2017, 26, 3303-3312.	1.4	16
75	The long and winding road to inhaled TB therapy: not only the bug's fault. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 347-363.	0.9	15
76	Anakinra Activates Superoxide Dismutase 2 to Mitigate Inflammasome Activity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6531.	1.8	15
77	Targeted Drug Delivery Technologies Potentiate the Overall Therapeutic Efficacy of an Indole Derivative in a Mouse Cystic Fibrosis Setting. <i>Cells</i> , 2021, 10, 1601.	1.8	15
78	A Green Nanostructured Pesticide to Control Tomato Bacterial Speck Disease. <i>Nanomaterials</i> , 2021, 11, 1852.	1.9	15
79	Microparticle-loaded neonatal porcine Sertoli cells for cell-based therapeutic and drug delivery system. <i>Journal of Controlled Release</i> , 2014, 192, 249-261.	4.8	14
80	Drug delivery system innovation and Health Technology Assessment: Upgrading from Clinical to Technological Assessment. <i>International Journal of Pharmaceutics</i> , 2015, 495, 1005-1018.	2.6	14
81	Bioactive Long-Term Release from Biodegradable Microspheres Preserves Implanted ALG-PLO-ALG Microcapsules from In Vivo Response to Purified Alginate. <i>Pharmaceutical Research</i> , 2010, 27, 285-295.	1.7	13
82	Lipotoxic stress alters the membrane lipid profile of extracellular vesicles released by Huh-7 hepatocarcinoma cells. <i>Scientific Reports</i> , 2021, 11, 4613.	1.6	12
83	Pharyngeal Microbial Signatures Are Predictive of the Risk of Fungal Pneumonia in Hematologic Patients. <i>Infection and Immunity</i> , 2021, 89, e0010521.	1.0	12
84	Effects of Titanium Dioxide Nanoparticles on Porcine Prepubertal Sertoli Cells: An "In Vitro" Study. <i>Frontiers in Endocrinology</i> , 2021, 12, 751915.	1.5	11
85	Î2-cyclodextrin hinders PLGA plasticization during microparticle manufacturing. <i>Journal of Drug Delivery Science and Technology</i> , 2015, 30, 375-383.	1.4	10
86	Reshaping antibiotics through hydrophobic drug-bile acid ionic complexation enhances activity against <i>Staphylococcus aureus</i> biofilms. <i>International Journal of Pharmaceutics</i> , 2017, 528, 144-162.	2.6	10
87	Redox-Sensitive Glyoxalase 1 Up-Regulation Is Crucial for Protecting Human Lung Cells from Gold Nanoparticles Toxicity. <i>Antioxidants</i> , 2020, 9, 697.	2.2	10
88	Selectively targeting key inflammatory pathways in cystic fibrosis. <i>European Journal of Medicinal Chemistry</i> , 2020, 206, 112717.	2.6	10
89	Exploring the Nano Spray-Drying Technology as an Innovative Manufacturing Method for Solid Lipid Nanoparticle Dry Powders. <i>AAPS PharmSciTech</i> , 2019, 20, 19.	1.5	9
90	Development and in vitro-in vivo performances of an inhalable indole-3-carboxaldehyde dry powder to target pulmonary inflammation and infection. <i>International Journal of Pharmaceutics</i> , 2021, 607, 121004.	2.6	9

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91	Circular Hazelnut Protection by Lignocellulosic Waste Valorization for Nanopesticides Development. Applied Sciences (Switzerland), 2022, 12, 2604.	1.3	9
92	Preparation, Characterization, and In Vivo Evaluation of Olanzapine Poly(D,L-lactide-co-glycolide) Microspheres. Journal of Pharmaceutics, 2013, 2013, 1-9.	4.6	8
93	Effects of intraperitoneal injection of microencapsulated Sertoli cells on chronic and presymptomatic dystrophic mice. Data in Brief, 2015, 5, 1015-1021.	0.5	8
94	Drug-Induced Lysosomal Impairment Is Associated with the Release of Extracellular Vesicles Carrying Autophagy Markers. International Journal of Molecular Sciences, 2021, 22, 12922.	1.8	8
95	Evaluation and Optimization of the Conditions for an Improved Ferulic Acid Intercalation into a Synthetic Lamellar Anionic Clay. Pharmaceutical Research, 2006, 23, 604-613.	1.7	7
96	Anakinra restores cellular proteostasis by coupling mitochondrial redox balance to autophagy. Journal of Clinical Investigation, 2022, 132, .	3.9	7
97	Evaluation of a LC-MS method for everolimus preclinical determination in brain by using [13C2D4]RAD001 internal standard. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 985, 155-163.	1.2	6
98	Phenotypic Characterization of Rhodococcus equi Biofilm Grown In Vitro and Inhibiting and Dissolving Activity of Azithromycin/Rifampicin Treatment. Pathogens, 2019, 8, 284.	1.2	6
99	Pharmaceutically Active Microbial AhR Agonists as Innovative Biodrugs in Inflammation. Pharmaceutics, 2022, 15, 336.	1.7	5
100	In vitro performances of novel co-spray-dried azithromycin/rifampicin microparticles for Rhodococcus equi disease treatment. Scientific Reports, 2018, 8, 12149.	1.6	4
101	Rojo Duro Red Onion Extract Loaded Spray Thermogel as a Sustainable Platform for the Treatment of Oral Mucosa Lesions. Journal of Pharmaceutical Sciences, 2021, 110, 2974-2985.	1.6	4
102	In Vitro Lps-Stimulated Sertoli Cells Pre-Loaded With Microparticles: Intracellular Activation Pathways. Frontiers in Endocrinology, 2020, 11, 611932.	1.5	3
103	Tackling Immune Pathogenesis of COVID-19 through Molecular Pharmaceutics. Pharmaceutics, 2021, 13, 494.	2.0	3
104	Ethidium bromide exposure unmasks an antibiotic efflux system in <i>Rhodococcus equi</i> . Journal of Antimicrobial Chemotherapy, 2021, 76, 2040-2048.	1.3	3
105	SBA15-supported nano-ruthenium catalyst for the oxidative cleavage of alkenes to aldehydes under flow conditions. Tetrahedron Letters, 2021, 86, 153509.	0.7	3
106	Reply to F508del-CFTR is not corrected by thymosin $\beta$ 4. Nature Medicine, 2018, 24, 891-893.	15.2	2
107	A Novel Stabilizing Approach to Improve the Manufacturing of Biodegradable Microparticles Entrapping Plasticizing Active Molecules: the Case of 4-Methoxychalcone. Journal of Pharmaceutical Innovation, 2019, 14, 159-175.	1.1	1
108	Initial In Vivo Evaluation of a Novel Amikacin-Deoxycholate Hydrophobic Salt Delivers New Insights on Amikacin Partition in Blood and Tissues. Pharmaceutics, 2021, 13, 85.	2.0	1

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109	Defective Glyoxalase 1 Contributes to Pathogenic Inflammation in Cystic Fibrosis. <i>Vaccines</i> , 2021, 9, 1311.	2.1	1
110	Response to Comment on Blasi et al. (2011) "Lipid nanoparticles for brain targeting I. Formulation optimization". <i>International Journal of Pharmaceutics</i> , 2012, 439, 171-174.	2.6	0
111	O1â€06â€03: Proteomic Analysis of Extracellular Vesicles in Alzheimerâ€™s Disease Cerebrospinal FLUID. <i>Alzheimer's and Dementia</i> , 2016, 12, P186.	0.4	0
112	Evolutionary Algorithms in Modeling Aerodynamic Properties of Spray-Dried Microparticulate Systems. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7109.	1.3	0
113	Preface. <i>Recent Advances in Drug Delivery and Formulation</i> , 2021, 15, 2-2.	0.3	0
114	Optimized Extraction of Amikacin from Murine Whole Blood. <i>Molecules</i> , 2021, 26, 665.	1.7	0
115	Preface. <i>Recent Patents on Drug Delivery and Formulation</i> , 2020, 14, 2-2.	2.1	0