

# Maurizio Ricci

## List of Publications by Year in descending order

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103  
papers

4,033  
citations

94269

37  
h-index

133063

59  
g-index

106  
all docs

106  
docs citations

106  
times ranked

5371  
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	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
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	Anionic clays for sunscreen agent safe use: Photoprotection, photostability and prevention of their skin penetration. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2006, 62, 185-193.	2.0	96
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	Montmorillonite-chitosan-chlorhexidine composite films with antibiofilm activity and improved cytotoxicity for wound dressing. <i>Journal of Colloid and Interface Science</i> , 2017, 491, 265-272.	5.0	70
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	Chitosan and a modified chitosan as agents to improve performances of mucoadhesive vaginal gels. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 66, 141-145.	2.5	69
13	Biodegradable microspheres as carriers for native superoxide dismutase and catalase delivery. <i>AAPS PharmSciTech</i> , 2004, 5, 1-9.	1.5	66
14	MCM-41 for furosemide dissolution improvement. <i>Microporous and Mesoporous Materials</i> , 2012, 147, 343-349.	2.2	66
15	Analytical characterization of a ferulic acid/ $\beta$ -cyclodextrin inclusion complex. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 40, 875-881.	1.4	64
16	Role of mesoporous silicates on carbamazepine dissolution rate enhancement. <i>Microporous and Mesoporous Materials</i> , 2008, 113, 445-452.	2.2	64
17	Artificial apolipoprotein corona enables nanoparticle brain targeting. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 429-438.	1.7	63
18	Use of SBA-15 for furosemide oral delivery enhancement. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 46, 43-48.	1.9	60

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19	Biocompatible alginate silica supported silver nanoparticles composite films for wound dressing with antibiofilm activity. <i>Materials Science and Engineering C</i> , 2020, 112, 110863.	3.8	60
20	Development of a spray-drying method for the formulation of respirable microparticles containing ofloxacinâ€“palladium complex. <i>International Journal of Pharmaceutics</i> , 2013, 440, 273-282.	2.6	58
21	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
22	Novel composite microparticles for protein stabilization and delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 36, 226-234.	1.9	54
23	Development of a scalable procedure for fine calcium alginate particle preparation. <i>Chemical Engineering Journal</i> , 2010, 160, 363-369.	6.6	54
24	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
25	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
26	Delivering Drugs to the Central Nervous System: A Medicinal Chemistry or a Pharmaceutical Technology Issue?. <i>Current Medicinal Chemistry</i> , 2006, 13, 1757-1775.	1.2	48
27	Lipid nanoparticles for brain targeting I. Formulation optimization. <i>International Journal of Pharmaceutics</i> , 2011, 419, 287-295.	2.6	48
28	Lipid nanoparticles for brain targeting III. Long-term stability and in vivo toxicity. <i>International Journal of Pharmaceutics</i> , 2013, 454, 316-323.	2.6	45
29	Meeting the unmet: from traditional to cutting-edge techniques for poly lactide and poly lactide-co-glycolide microparticle manufacturing. <i>Journal of Pharmaceutical Investigation</i> , 2019, 49, 381-404.	2.7	44
30	Capreomycin supergenerics for pulmonary tuberculosis treatment: Preparation, in vitro, and in vivo characterization. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2013, 83, 388-395.	2.0	43
31	Leucinostatin D. A novel peptide antibiotic from <i>Paecilomyces marquandii</i> . <i>Journal of Antibiotics</i> , 1987, 40, 130-133.	1.0	42
32	Potential prodrugs of non-steroidal anti-inflammatory agents for targeted drug delivery to the CNS. <i>European Journal of Medicinal Chemistry</i> , 2004, 39, 715-727.	2.6	41
33	Leucinostatins H and K, two novel peptide antibiotics with tertiary amine-oxide terminal group from <i>Paecilomyces marquandii</i> Isolation, structure and biological activity. <i>Journal of Antibiotics</i> , 1987, 40, 714-716.	1.0	39
34	Antimicrobial Nonapeptide Leucinostatin A-Dependent Effects on the Physical Properties of Phospholipid Model Membranes. <i>Journal of Colloid and Interface Science</i> , 2000, 226, 222-230.	5.0	39
35	Mesoporous Silicate MCM-41 as a Particulate Carrier for Octyl Methoxycinnamate: Sunscreen Release and Photostability. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 1468-1475.	1.6	39
36	Optimizing therapeutic outcomes of immune checkpoint blockade by a microbial tryptophan metabolite. , 2022, 10, e003725.		39

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37	Fighting tuberculosis: old drugs, new formulations. <i>Expert Opinion on Drug Delivery</i> , 2009, 6, 977-993.	2.4	38
38	Bioadhesive polymeric films based on usnic acid for burn wound treatment: Antibacterial and cytotoxicity studies. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 178, 488-499.	2.5	37
39	Development and characterization of mucoadhesive-thermoreponsive gels for the treatment of oral mucosa diseases. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 142, 105125.	1.9	37
40	Folic acid-layered double hydroxides hybrids in skin formulations: Technological, photochemical and in vitro cytotoxicity on human keratinocytes and fibroblasts. <i>Applied Clay Science</i> , 2019, 168, 382-395.	2.6	35
41	Improved function of rat islets upon co-microencapsulation with Sertoli's cells in alginate/poly-L-ornithine. <i>AAPS PharmSciTech</i> , 2001, 2, 48-54.	1.5	34
42	Dynamic behavior of a spring-powered micronozzle needle-free injector. <i>International Journal of Pharmaceutics</i> , 2015, 491, 91-98.	2.6	34
43	Lipid nanoparticles for brain targeting II. Technological characterization. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 130-137.	2.5	32
44	The nonapeptide leucinostatin A acts as a weak ionophore and as an immunosuppressant on T lymphocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1994, 1221, 125-132.	1.9	31
45	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
46	Capreomycin inhalable powders prepared with an innovative spray-drying technique. <i>International Journal of Pharmaceutics</i> , 2014, 469, 132-139.	2.6	31
47	Bioadhesive Polymeric Films Based on Red Onion Skins Extract for Wound Treatment: An Innovative and Eco-Friendly Formulation. <i>Molecules</i> , 2020, 25, 318.	1.7	30
48	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
49	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
50	Leucinostatin-A loaded nanospheres: characterization and in vivo toxicity and efficacy evaluation. <i>International Journal of Pharmaceutics</i> , 2004, 275, 61-72.	2.6	25
51	Simple and scalable method for peptide inhalable powder production. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 39, 53-58.	1.9	25
52	Montmorillonite as an agent for drug photostability. <i>Journal of Materials Chemistry</i> , 2012, 22, 22743.	6.7	25
53	Development and Characterization of Xanthan Gum and Alginate Based Bioadhesive Film for Pycnogenol Topical Use in Wound Treatment. <i>Pharmaceutics</i> , 2021, 13, 324.	2.0	25
54	Towards Targeting the Aryl Hydrocarbon Receptor in Cystic Fibrosis. <i>Mediators of Inflammation</i> , 2018, 2018, 1-7.	1.4	24

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55	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
56	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
57	Unilamellar vesicles as potential capreomycin sulfate carriers: Preparation and physicochemical characterization. <i>AAPS PharmSciTech</i> , 2003, 4, 549-560.	1.5	22
58	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
59	Preparation and characterization of polymeric microparticles loaded with Moringa oleifera leaf extract for exuding wound treatment. <i>International Journal of Pharmaceutics</i> , 2020, 587, 119700.	2.6	22
60	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
61	Influence of Compression Force on The Behavior of Mucoadhesive Buccal Tablets. <i>AAPS PharmSciTech</i> , 2008, 9, 274-281.	1.5	20
62	Postbiotic-Enabled Targeting of the Host-Microbiota-Pathogen Interface: Hints of Antibiotic Decline?. <i>Pharmaceutics</i> , 2020, 12, 624.	2.0	20
63	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
64	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
65	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
66	Development of sodium carboxymethyl cellulose based polymeric microparticles for in situ hydrogel wound dressing formation. <i>International Journal of Pharmaceutics</i> , 2021, 602, 120606.	2.6	18
67	Biodegradable composite porous poly( <i>dl</i> -lactide-co-glycolide) scaffold supports mesenchymal stem cell differentiation and calcium phosphate deposition. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 219-229.	1.9	17
68	Lipid Nanoparticles for Drug Delivery to the Brain: <i>In Vivo Veritas</i> . <i>Journal of Biomedical Nanotechnology</i> , 2009, 5, 344-350.	0.5	16
69	The real value of novel particulate carriers for sunscreen formulation. <i>Expert Review of Dermatology</i> , 2011, 6, 509-517.	0.3	16
70	Conformal polymer coatings for pancreatic islets transplantation. <i>International Journal of Pharmaceutics</i> , 2013, 440, 141-147.	2.6	16
71	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
72	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

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73	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
74	The strategic relevance of manufacturing technology: An overall quality concept to promote innovation preventing drug shortage. <i>International Journal of Pharmaceutics</i> , 2017, 516, 144-157.	2.6	14
75	D-leucine microparticles as an excipient to improve the aerosolization performances of dry powders for inhalation. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 130, 54-64.	1.9	14
76	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
77	Oxybenzone Entrapped in Mesoporous Silicate MCM-41. <i>Journal of Pharmaceutical Innovation</i> , 2013, 8, 212-217.	1.1	13
78	Development and Characterization of New Topical Hydrogels Based on Alpha Lipoic Acid-Hydrocortisone Hybrids. <i>Cosmetics</i> , 2019, 6, 35.	1.5	13
79	Hazelnut Shells as Source of Active Ingredients: Extracts Preparation and Characterization. <i>Molecules</i> , 2021, 26, 6607.	1.7	13
80	Taxifolin stability: In silico prediction and in vitro degradation with HPLC-UV/UPLC-ESI-MS monitoring. <i>Journal of Pharmaceutical Analysis</i> , 2021, 11, 232-240.	2.4	12
81	Emulgel Loaded with Flaxseed Extracts as New Therapeutic Approach in Wound Treatment. <i>Pharmaceutics</i> , 2021, 13, 1107.	2.0	12
82	Wound Dressing: Combination of Acacia Gum/PVP/Cyclic Dextrin in Bioadhesive Patches Loaded with Grape Seed Extract. <i>Pharmaceutics</i> , 2022, 14, 485.	2.0	12
83	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
84	Î2-cyclodextrin hinders PLGA plasticization during microparticle manufacturing. <i>Journal of Drug Delivery Science and Technology</i> , 2015, 30, 375-383.	1.4	10
85	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
86	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
87	Polymeric Bioadhesive Patch Based on Ketoprofen-Hydrocortisone Hybrid for Local Treatments. <i>Pharmaceutics</i> , 2020, 12, 733.	2.0	9
88	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
89	Evaluation and Optimization of the Conditions for an Improved Ferulic Acid Intercalation into a Synthetic Lamellar Anionic Clay. <i>Pharmaceutical Research</i> , 2006, 23, 604-613.	1.7	7
90	Improved Achiral and Chiral HPLC-UV Analysis of Ruxolitinib in Two Different Drug Formulations. <i>Separations</i> , 2020, 7, 47.	1.1	7

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91	Bioadhesive patches based on carboxymethyl cellulose/polyvinylpyrrolidone/bentonite composites and Soluplus® for skin administration of poorly soluble molecules. <i>Applied Clay Science</i> , 2022, 216, 106377.	2.6	7
92	Chlorhexidine-loaded functionalized mesoporous MCM-41 poly(methylmethacrylate) based composites with <i>Candida</i> antibiofilm activity. <i>RSC Advances</i> , 2015, 5, 84827-84835.	1.7	6
93	Exploring Taxifolin Polymorphs: Insights on Hydrate and Anhydrous Forms. <i>Pharmaceutics</i> , 2021, 13, 1328.	2.0	6
94	Pharmaceutically Active Microbial AhR Agonists as Innovative Biodrugs in Inflammation. <i>Pharmaceutics</i> , 2022, 15, 336.	1.7	5
95	MgAl and ZnAl-Hydrotalcites as Materials for Cosmetic and Pharmaceutical Formulations: Study of Their Cytotoxicity on Different Cell Lines. <i>Pharmaceutics</i> , 2022, 15, 784.	1.7	5
96	Liposome-based formulations for the antibiotic nonapeptide Leucinostatin A: Fourier transform infrared spectroscopy characterization and in vivo toxicologic study. <i>AAPS PharmSciTech</i> , 2000, 1, 9-19.	1.5	4
97	Liposome-based formulations for the antibiotic nonapeptide Leucinostatin A: Fourier transform infrared spectroscopy characterization and in vivo toxicologic study. <i>AAPS PharmSciTech</i> , 2000, 1, 9-19.	1.5	3
98	Tackling Immune Pathogenesis of COVID-19 through Molecular Pharmaceutics. <i>Pharmaceutics</i> , 2021, 13, 494.	2.0	3
99	Antibody-targeted leucinostatin A. <i>Journal of Controlled Release</i> , 1994, 32, 37-44.	4.8	2
100	Flow nanoprecipitation of size-controlled <scp>d</scp>-leucine nanoparticles for spray-drying formulations. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1861-1868.	1.9	1
101	A Novel Stabilizing Approach to Improve the Manufacturing of Biodegradable Microparticles Entrapping Plasticizing Active Molecules: the Case of 4-Methoxychalcone. <i>Journal of Pharmaceutical Innovation</i> , 2019, 14, 159-175.	1.1	1
102	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
103	Exploring Taxifolin Polymorphs: Insights on Hydrate and Anhydrous Forms. <i>Pharmaceutics</i> , 2021, 13, .	2.0	0