

Francesco Cilurzo

List of Publications by Year in descending order

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129
papers

3,582
citations

147566

31
h-index

182168

51
g-index

131
all docs

131
docs citations

131
times ranked

4129
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast dissolving films made of maltodextrins. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 70, 895-900.	2.0	197
2	Injectability Evaluation: An Open Issue. <i>AAPS PharmSciTech</i> , 2011, 12, 604-609.	1.5	154
3	Lyophilization of Liposomal Formulations: Still Necessary, Still Challenging. <i>Pharmaceutics</i> , 2018, 10, 139.	2.0	147
4	A focus on mucoadhesive polymers and their application in buccal dosage forms. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 32, 113-125.	1.4	119
5	Adhesive properties: a critical issue in transdermal patch development. <i>Expert Opinion on Drug Delivery</i> , 2012, 9, 33-45.	2.4	103
6	Personalized orodispersible films by hot melt ram extrusion 3D printing. <i>International Journal of Pharmaceutics</i> , 2018, 551, 52-59.	2.6	81
7	Gamma irradiation effects on stability of poly(lactide-co-glycolide) microspheres containing clonazepam. <i>Journal of Controlled Release</i> , 2001, 75, 317-330.	4.8	80
8	Colloidal carriers for the enhanced delivery through the skin. <i>Expert Opinion on Drug Delivery</i> , 2008, 5, 737-755.	2.4	79
9	Maltodextrin fast dissolving films for quercetin nanocrystal delivery. A feasibility study. <i>Carbohydrate Polymers</i> , 2015, 121, 217-223.	5.1	76
10	Diclofenac fast-dissolving film: suppression of bitterness by a taste-sensing system. <i>Drug Development and Industrial Pharmacy</i> , 2011, 37, 252-259.	0.9	72
11	Polymethacrylates as crystallization inhibitors in monolayer transdermal patches containing ibuprofen. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2005, 60, 61-66.	2.0	71
12	Nicotine Fast Dissolving Films Made of Maltodextrins: A Feasibility Study. <i>AAPS PharmSciTech</i> , 2010, 11, 1511-1517.	1.5	71
13	Newborn pig skin as model membrane in in vitro drug permeation studies: A technical note. <i>AAPS PharmSciTech</i> , 2007, 8, 97-100.	1.5	67
14	Orodispersible dosage forms: biopharmaceutical improvements and regulatory requirements. <i>Drug Discovery Today</i> , 2018, 23, 251-259.	3.2	65
15	Trends in the production methods of orodispersible films. <i>International Journal of Pharmaceutics</i> , 2020, 576, 118963.	2.6	65
16	Polymethacrylate salts as new low-swellable mucoadhesive materials. <i>Journal of Controlled Release</i> , 2003, 88, 43-53.	4.8	61
17	Poly(lactide-co-glycolide) microspheres containing bupivacaine: comparison between gamma and beta irradiation effects. <i>Journal of Controlled Release</i> , 2003, 90, 281-290.	4.8	54
18	Characterization of nifedipine solid dispersions. <i>International Journal of Pharmaceutics</i> , 2002, 242, 313-317.	2.6	49

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19	The effect of \hat{I}^3 -irradiation on PLGA/PEG microspheres containing ovalbumin. <i>Journal of Controlled Release</i> , 2005, 107, 78-90.	4.8	46
20	The regulatory framework of biosimilars in the European Union. <i>Drug Discovery Today</i> , 2012, 17, 63-70.	3.2	46
21	Evaluation of Adhesive Properties of Patches Based on Acrylic Matrices. <i>Drug Development and Industrial Pharmacy</i> , 1999, 25, 1-6.	0.9	45
22	Hyaluronan-decorated liposomes as drug delivery systems for cutaneous administration. <i>International Journal of Pharmaceutics</i> , 2018, 535, 333-339.	2.6	45
23	An Insight into the Skin Penetration Enhancement Mechanism of <i>N</i> -Methylpyrrolidone. <i>Molecular Pharmaceutics</i> , 2014, 11, 1014-1021.	2.3	44
24	In Vitro Anticancer Activity of Extracellular Vesicles (EVs) Secreted by Gingival Mesenchymal Stromal Cells Primed with Paclitaxel. <i>Pharmaceutics</i> , 2019, 11, 61.	2.0	44
25	Ex Vivo Study of Transdermal Permeation of Four Diclofenac Salts from Different Vehicles. <i>Journal of Pharmaceutical Sciences</i> , 2007, 96, 814-823.	1.6	42
26	Evaluation of the Topical Anti-Inflammatory Activity of Ginger Dry Extracts from Solutions and Plasters. <i>Planta Medica</i> , 2007, 73, 1525-1530.	0.7	41
27	Development of nanoemulsions for topical delivery of vitamin K1. <i>International Journal of Pharmaceutics</i> , 2016, 511, 170-177.	2.6	40
28	A new mucoadhesive dosage form for the management of oral lichen planus: Formulation study and clinical study. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 76, 437-442.	2.0	37
29	Application of methyl methacrylate copolymers to the development of transdermal or loco-regional drug delivery systems. <i>Expert Opinion on Drug Delivery</i> , 2014, 11, 1033-1045.	2.4	37
30	Aminoacids as non-traditional plasticizers of maltodextrins fast-dissolving films. <i>Carbohydrate Polymers</i> , 2015, 115, 613-616.	5.1	36
31	Fast-dissolving mucoadhesive microparticulate delivery system containing piroxicam. <i>European Journal of Pharmaceutical Sciences</i> , 2005, 24, 355-361.	1.9	35
32	Measuring Adhesive Performance in Transdermal Delivery Systems. <i>American Journal of Drug Delivery</i> , 2004, 2, 193-206.	0.6	32
33	Transplantation of autologous extracellular vesicles for cancer-specific targeting. <i>Theranostics</i> , 2021, 11, 2034-2047.	4.6	32
34	Design of a new water-soluble pressure-sensitive adhesive for patch preparation. <i>AAPS PharmSciTech</i> , 2003, 4, 53-61.	1.5	30
35	Regenerated keratin proteins as potential biomaterial for drug delivery. <i>Polymers for Advanced Technologies</i> , 2013, 24, 1025-1028.	1.6	30
36	Mucoadhesive Interpolyelectrolyte Complexes for the Buccal Delivery of Clobetasol. <i>Polymers</i> , 2018, 10, 85.	2.0	30

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37	An investigation into silk fibroin conformation in composite materials intended for drug delivery. <i>International Journal of Pharmaceutics</i> , 2011, 414, 218-224.	2.6	29
38	Skin Penetrating Peptide as a Tool to Enhance the Permeation of Heparin through Human Epidermis. <i>Biomacromolecules</i> , 2016, 17, 46-55.	2.6	29
39	Radiation-induced free radical reactions in polymer/drug systems for controlled release: an EPR investigation. <i>Radiation Physics and Chemistry</i> , 2003, 67, 61-72.	1.4	28
40	Supersaturation as a Tool For Skin Penetration Enhancement. <i>Current Pharmaceutical Design</i> , 2015, 21, 2733-2744.	0.9	28
41	Regenerated keratin membrane to match the in vitro drug diffusion through human epidermis. Results in <i>Pharma Sciences</i> , 2012, 2, 72-78.	4.2	27
42	Nanocarriers to Enhance the Accumulation of Vitamin K1 into the Skin. <i>Pharmaceutical Research</i> , 2016, 33, 893-908.	1.7	27
43	Nanofiller for the mechanical reinforcement of maltodextrins orodispersible films. <i>Carbohydrate Polymers</i> , 2016, 136, 676-681.	5.1	27
44	Tuning the Extent and Depth of Penetration of Flexible Liposomes in Human Skin. <i>Molecular Pharmaceutics</i> , 2017, 14, 1998-2009.	2.3	27
45	A new melatonin oral delivery platform based on orodispersible films containing solid lipid microparticles. <i>International Journal of Pharmaceutics</i> , 2019, 559, 280-288.	2.6	27
46	Development of local patches containing melilot extract and ex vivo "in vivo evaluation of skin permeation. <i>European Journal of Pharmaceutical Sciences</i> , 2000, 10, 111-117.	1.9	25
47	SEBS block copolymers as novel materials to design transdermal patches. <i>International Journal of Pharmaceutics</i> , 2020, 575, 118975.	2.6	25
48	Application of viscometry and solubility parameters in miconazole patches development. <i>International Journal of Pharmaceutics</i> , 1999, 190, 91-101.	2.6	24
49	Design and Characterization of an Adhesive Matrix Based on a Poly(Ethyl Acrylate, Methyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.5	24
50	Effect of drug chirality on the skin permeability of ibuprofen. <i>International Journal of Pharmaceutics</i> , 2010, 386, 71-76.	2.6	24
51	Drug-in-micelles-in-liposomes (DiMiL) systems as a novel approach to prevent drug leakage from deformable liposomes. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 130, 27-35.	1.9	24
52	The effects of bivalent inorganic salts on the mucoadhesive performance of a polymethylmethacrylate sodium salt. <i>International Journal of Pharmaceutics</i> , 2005, 301, 62-70.	2.6	23
53	Gamma irradiation effects and EPR investigation on poly(lactide-co-glycolide) microspheres containing bupivacaine. <i>Il Farmaco</i> , 2002, 57, 427-433.	0.9	22
54	Evaluation of Ex Vivo Human Skin Permeation of Genistein and Daidzein. <i>Drug Delivery</i> , 2006, 13, 411-415.	2.5	22

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55	Impact of semi-solid formulations on skin penetration of iron oxide nanoparticles. <i>Journal of Nanobiotechnology</i> , 2017, 15, 14.	4.2	22
56	Gellan Nanohydrogels: Novel Nanodelivery Systems for Cutaneous Administration of Piroxicam. <i>Molecular Pharmaceutics</i> , 2018, 15, 1028-1036.	2.3	22
57	Dermal Patches for the Controlled Release of Miconazole: Influence of the Drug Concentration on the Technological Characteristics. <i>Drug Development and Industrial Pharmacy</i> , 1999, 25, 679-684.	0.9	21
58	Comparison of Different Membranes with Cultures of Keratinocytes from Man for Percutaneous Absorption of Nitroglycerine. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 51, 673-678.	1.2	21
59	The Role of the Conformational Profile of Polysaccharides on Skin Penetration: The Case of Hyaluronan and Its Sulfates. <i>Chemistry and Biodiversity</i> , 2014, 11, 551-561.	1.0	21
60	Dermal therapeutic systems permeable to water vapour. <i>International Journal of Pharmaceutics</i> , 1997, 158, 165-172.	2.6	20
61	Poly(methyl methacrylate) salt as film forming material to design orodispersible films. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 115, 37-42.	1.9	20
62	Medicated Foams and Film Forming Dosage Forms as Tools to Improve the Thermodynamic Activity of Drugs to be Administered Through the Skin. <i>Current Drug Delivery</i> , 2019, 16, 461-471.	0.8	19
63	Characterization and physical stability of fast-dissolving microparticles containing nifedipine. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 68, 579-588.	2.0	18
64	Low molecular weight heparins copies: are they considered to be generics or biosimilars?. <i>Drug Discovery Today</i> , 2013, 18, 305-311.	3.2	18
65	Formulation study of a patch containing propranolol by design of experiments. <i>Drug Development and Industrial Pharmacy</i> , 2014, 40, 17-22.	0.9	18
66	Molecular Dynamics as a tool for in silico screening of skin permeability. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 106, 328-335.	1.9	18
67	Development of Patches for the Controlled Release of Dehydroepiandrosterone. <i>Drug Development and Industrial Pharmacy</i> , 2001, 27, 711-717.	0.9	17
68	Influence of chemical and structural features of low molecular weight heparins (LMWHs) on skin penetration. <i>International Journal of Pharmaceutics</i> , 2015, 481, 79-83.	2.6	17
69	Comparative Study of Polycomplexes Based on Carbopol® and Oppositely Charged Polyelectrolytes as a New Oral Drug Delivery System. <i>Pharmaceutical Chemistry Journal</i> , 2015, 49, 1-6.	0.3	17
70	An in depth proteomic analysis based on ProteoMiner, affinity chromatography and nano-HPLC-MS/MS to explain the potential health benefits of bovine colostrum. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 121, 297-306.	1.4	17
71	Design of pressure-sensitive adhesive suitable for the preparation of transdermal patches by hot-melt printing. <i>International Journal of Pharmaceutics</i> , 2020, 586, 119607.	2.6	17
72	Extemporaneous printing of diclofenac orodispersible films for pediatrics. <i>Drug Development and Industrial Pharmacy</i> , 2021, 47, 636-644.	0.9	17

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73	Occlusive properties of monolayer patches: in vitro and in vivo evaluation. <i>Pharmaceutical Research</i> , 2002, 19, 423-426.	1.7	16
74	On the characterization of medicated plasters containing NSAIDs according to novel indications of USP and EMA: adhesive property and <i>in vitro</i> skin permeation studies. <i>Drug Development and Industrial Pharmacy</i> , 2015, 41, 183-189.	0.9	16
75	A successful experimental model for intimal hyperplasia prevention using a resveratrol-delivering balloon. <i>Journal of Vascular Surgery</i> , 2016, 63, 788-794.	0.6	16
76	Design of in vitro skin permeation studies according to the EMA guideline on quality of transdermal patches. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 125, 86-92.	1.9	16
77	Methylprednisolone-loaded PLGA microspheres: A new formulation for sustained release via intra-articular administration. A comparison study with methylprednisolone acetate in rats. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 4580-4586.	1.6	15
78	Evaluation of skin permeability of sesquiterpenes of an innovative supercritical carbon dioxide Arnica extract by HPLC/DAD/MS. <i>Die Pharmazie</i> , 2005, 60, 36-8.	0.3	15
79	Evaluation of compatibility of methacrylic copolymers by capillary viscometry. , 2000, 76, 1662-1668.		14
80	Comparison between gamma and beta irradiation effects on hydroxypropylmethylcellulose and gelatin hard capsules. <i>AAPS PharmSciTech</i> , 2005, 6, E586-E593.	1.5	14
81	Sculptured drug-eluting stent for the on-site delivery of tacrolimus. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 73, 331-336.	2.0	14
82	An Investigation into the Influence of Counterion on the <i>RS</i> -Propranolol and <i>S</i> -Propranolol Skin Permeability. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 1217-1224.	1.6	14
83	On the selection of an opioid for local skin analgesia: Structure-skin permeability relationships. <i>International Journal of Pharmaceutics</i> , 2015, 489, 177-185.	2.6	14
84	Formulation Study of Oxybutynin Patches. <i>Pharmaceutical Development and Technology</i> , 2007, 12, 239-246.	1.1	13
85	Innovative pharmaceutical approaches for the management of inner ear disorders. <i>Drug Delivery and Translational Research</i> , 2018, 8, 436-449.	3.0	13
86	Freeze-Dried Matrices Based on Polyanion Polymers for Chlorhexidine Local Release in the Buccal and Vaginal Cavities. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2447-2457.	1.6	13
87	A novel polymethylmethacrylate hydrophilic adhesive matrix intended for transdermal patch formulations. <i>Drug Delivery</i> , 2010, 17, 171-177.	2.5	12
88	The Influence of the Polar Head and the Hydrophobic Chain on the Skin Penetration Enhancement Effect of Poly(Ethylene Glycol) Derivatives. <i>AAPS PharmSciTech</i> , 2012, 13, 247-253.	1.5	12
89	Preserving the Integrity of Liposomes Prepared by Ethanol Injection upon Freeze-Drying: Insights from Combined Molecular Dynamics Simulations and Experimental Data. <i>Pharmaceutics</i> , 2020, 12, 530.	2.0	12
90	Effects of Metal Ions on Entero-Soluble Poly(methacrylic acid-methyl methacrylate) Coating: A Combined Analysis by ATR-FTIR Spectroscopy and Computational Approaches. <i>Molecular Pharmaceutics</i> , 2010, 7, 421-430.	2.3	11

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91	<i>In vitro</i> and <i>in vivo</i> evaluation of silk fibroin functionalized with GABA and allopregnanolone for Schwann cell and neuron survival. <i>Regenerative Medicine</i> , 2018, 13, 141-157.	0.8	11
92	Lysozyme Mucoadhesive Tablets Obtained by Freeze-Drying. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 3667-3674.	1.6	11
93	Design of Methylprednisolone Biodegradable Microspheres Intended for Intra-articular Administration. <i>AAPS PharmSciTech</i> , 2008, 9, 1136-1142.	1.5	10
94	Regulatory aspects and quality controls of polymer-based parenteral long-acting drug products: the challenge of approving copies. <i>Drug Discovery Today</i> , 2020, 25, 321-329.	3.2	10
95	Relevance of production method on the physical stability and <i>in vitro</i> biopharmaceutical performances of olanzapine orodispersible film. <i>International Journal of Pharmaceutics</i> , 2021, 603, 120697.	2.6	10
96	Binary polymeric blends to microencapsulate nitroflurbiprofen: Physicochemical and <i>in silico</i> studies. <i>European Journal of Pharmaceutical Sciences</i> , 2007, 31, 202-210.	1.9	9
97	Tuning the rheological properties of an ammonium methacrylate copolymer for the design of adhesives suitable for transdermal patches. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 111, 238-246.	1.9	9
98	Solvation enthalpies as descriptors of structure- <i>in vitro</i> percutaneous permeation relationship of benzoxazinones regioisomers. <i>Il Farmaco</i> , 2000, 55, 563-568.	0.9	8
99	Enhanced hydration stability of <i>Bombyx mori</i> silk fibroin/PEG 600 composite scaffolds for tissue engineering. <i>Polymers for Advanced Technologies</i> , 2014, 25, 532-538.	1.6	8
100	A glimpse in critical attributes to design cutaneous film forming systems based on ammonium methacrylate. <i>Journal of Drug Delivery Science and Technology</i> , 2017, 41, 157-163.	1.4	8
101	Formulation Study and Anti-Inflammatory Efficacy of Topical Semi-Solids Containing a Nitro Ester of Flurbiprofen. <i>Skin Pharmacology and Physiology</i> , 2003, 16, 91-99.	1.1	7
102	Caffeic Acid-PLGA Conjugate to Design Protein Drug Delivery Systems Stable to Irradiation. <i>Journal of Functional Biomaterials</i> , 2015, 6, 1-13.	1.8	7
103	<i>In situ</i> film forming fibroin gel intended for cutaneous administration. <i>International Journal of Pharmaceutics</i> , 2016, 511, 296-302.	2.6	7
104	Biorelevant release testing of biodegradable microspheres intended for intra-articular administration. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 139, 115-122.	2.0	7
105	A Novel Oromucosal Prolonged Release Mucoadhesive Suspension by One Step Spray Coagulation Method. <i>Current Drug Delivery</i> , 2013, 10, 251-260.	0.8	7
106	Thermal characterization of poly(lactide-co-glycolide) microspheres containing bupivacaine base polymorphs. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 79, 9-12.	2.0	6
107	Insulin Biosimilars: The Impact on Rapid-Acting Analogue-Based Therapy. <i>BioDrugs</i> , 2015, 29, 113-121.	2.2	6
108	Maltodextrins as drying auxiliary agent for the preparation of easily resuspendable nanoparticles. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 50, 181-187.	1.4	6

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109	Data on the stability of darunavir/cobicistat suspension after tablet manipulation. <i>Data in Brief</i> , 2020, 30, 105552.	0.5	6
110	Medicines shortages and the perception of healthcare professionals working in hospitals: An Italian case study. <i>Journal of Interprofessional Education and Practice</i> , 2021, 25, 100472.	0.2	6
111	Design and development of topical liposomal formulations in a regulatory perspective. <i>Drug Delivery and Translational Research</i> , 2022, 12, 1811-1828.	3.0	6
112	THE SITUATION OF OTC DRUGS IN ITALY COMPARED TO THE OTHER EU STATES. <i>Pharmacological Research</i> , 2000, 42, 25-31.	3.1	5
113	The effects of excipients for topical preparations on the human skin permeability of terpinen-4-ol contained in Tea tree oil: Infrared spectroscopic investigations. <i>Pharmaceutical Development and Technology</i> , 2010, 15, 545-552.	1.1	5
114	Pyrogallol acid-PLGA conjugate as new biodegradable material suitable for final sterilization by irradiation. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2201-2205.	1.6	5
115	Data on spray-drying processing to optimize the yield of materials sensitive to heat and moisture content. <i>Data in Brief</i> , 2019, 23, 103792.	0.5	5
116	Printing of cutaneous patches loaded with propranolol for the treatment of infantile haemangiomas. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 66, 102767.	1.4	5
117	Data on the determination of human epidermis integrity in skin permeation experiments by electrical resistance. <i>Data in Brief</i> , 2018, 21, 1258-1262.	0.5	4
118	Rationalizing the Design of Hyaluronic Acid-Decorated Liposomes for Targeting Epidermal Layers: A Combination of Molecular Dynamics and Experimental Evidence. <i>Molecular Pharmaceutics</i> , 2021, 18, 3979-3989.	2.3	4
119	Removal of Cu(II) ions from water using thermally-treated horn hoof powder as biosorbent. <i>Desalination and Water Treatment</i> , 2015, 55, 1105-1115.	1.0	3
120	Simulation data for an estimation of the maximum theoretical value and confidence interval for the correlation coefficient. <i>Data in Brief</i> , 2017, 14, 291-294.	0.5	3
121	<i>Echinacea angustifolia</i> DC. Lipophilic Extract Patch for Skin Application: Preparation, In Vitro and In Vivo Studies. <i>Pharmaceutics</i> , 2020, 12, 1096.	2.0	3
122	Evaluation of adhesive properties of transdermal therapeutic systems containing nitroglycerin. <i>Bollettino Chimico Farmaceutico</i> , 2001, 140, 63-7.	0.1	3
123	Data on compounding lopinavir and ritonavir suspension for non-cooperative COVID-19 patients. <i>Data in Brief</i> , 2020, 33, 106445.	0.5	2
124	Interpolyelectrolyte complexes based on Carbopol and oppositely charged polymer as new carriers for oral controlled diclofenac delivery. <i>Polymers for Advanced Technologies</i> , 2021, 32, 2744.	1.6	2
125	Formulation study of tea tree oil patches. <i>Natural Product Communications</i> , 2009, 4, 133-7.	0.2	2
126	Formulation Study of Tea Tree Oil Patches. <i>Natural Product Communications</i> , 2009, 4, 1934578X0900400.	0.2	1

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127	Data on chloroquine/hydroxychloroquine content in compounded oral suspension after filtration and centrifugation. Data in Brief, 2020, 32, 106116.	0.5	1
128	A new ex vivo method for assessing local pharmacokinetic after tacrolimus eluting stent deployment in rat aorta. Journal of Drug Delivery Science and Technology, 2010, 20, 219-223.	1.4	0
129	Lipid vesicles for (trans)dermal administration. , 2020, , 71-98.		0