

Fabio Sonvico

List of Publications by Citations

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103
papers

3,017
citations

30
h-index

51
g-index

121
ext. papers

3,485
ext. citations

5.4
avg, IF

5
L-index

#	Paper	IF	Citations
103	Folate-conjugated iron oxide nanoparticles for solid tumor targeting as potential specific magnetic hyperthermia mediators: synthesis, physicochemical characterization, and in vitro experiments. <i>Bioconjugate Chemistry</i> , 2005 , 16, 1181-8	6.3	400
102	Surface-Modified Nanocarriers for Nose-to-Brain Delivery: From Bioadhesion to Targeting. <i>Pharmaceutics</i> , 2018 , 10,	6.4	145
101	Formation of self-organized nanoparticles by lecithin/chitosan ionic interaction. <i>International Journal of Pharmaceutics</i> , 2006 , 324, 67-73	6.5	142
100	Pectin matrix as oral drug delivery vehicle for colon cancer treatment. <i>AAPS PharmSciTech</i> , 2011 , 12, 201-14	3.9	136
99	Lecithin/chitosan nanoparticles of clobetasol-17-propionate capable of accumulation in pig skin. <i>Journal of Controlled Release</i> , 2010 , 142, 368-73	11.7	125
98	Metallic colloid nanotechnology, applications in diagnosis and therapeutics. <i>Current Pharmaceutical Design</i> , 2005 , 11, 2095-105	3.3	125
97	Mechanisms of formation and disintegration of alginate beads obtained by prilling. <i>International Journal of Pharmaceutics</i> , 2005 , 302, 1-9	6.5	93
96	Novel platforms for oral drug delivery. <i>Pharmaceutical Research</i> , 2009 , 26, 601-11	4.5	79
95	Specific antitumor targetable beta-cyclodextrin-poly(ethylene glycol)-folic acid drug delivery bioconjugate. <i>Bioconjugate Chemistry</i> , 2004 , 15, 997-1004	6.3	68
94	Brain distribution of ribavirin after intranasal administration. <i>Antiviral Research</i> , 2011 , 92, 408-14	10.8	58
93	Liposome sensing and monitoring by organic electrochemical transistors integrated in microfluidics. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 4374-80	4	50
92	Particles and powders: tools of innovation for non-invasive drug administration. <i>Journal of Controlled Release</i> , 2012 , 161, 693-702	11.7	49
91	Lecithin/chitosan controlled release nanopreparations of tamoxifen citrate: loading, enzyme-trigger release and cell uptake. <i>Journal of Controlled Release</i> , 2013 , 167, 276-83	11.7	47
90	The nasal delivery of nanoencapsulated statins - an approach for brain delivery. <i>International Journal of Nanomedicine</i> , 2016 , 11, 6575-6590	7.3	47
89	Characterization of a polyurethane-based controlled release system for local delivery of chlorhexidine diacetate. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010 , 74, 255-64	5.7	46
88	Chitosan-Coated Nanoparticles: Effect of Chitosan Molecular Weight on Nasal Transmucosal Delivery. <i>Pharmaceutics</i> , 2019 , 11,	6.4	46
87	Nasal Drug Delivery of Anticancer Drugs for the Treatment of Glioblastoma: Preclinical and Clinical Trials. <i>Molecules</i> , 2019 , 24,	4.8	45

86	Opportunity and challenges of nasal powders: Drug formulation and delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 113, 2-17	5.1	44
85	Structure of self-organized multilayer nanoparticles for drug delivery. <i>Langmuir</i> , 2008 , 24, 11378-84	4	44
84	Assemblage of novel release modules for the development of adaptable drug delivery systems. <i>Journal of Controlled Release</i> , 2006 , 111, 212-8	11.7	44
83	In vivo nose-to-brain delivery of the hydrophilic antiviral ribavirin by microparticle agglomerates. <i>Drug Delivery</i> , 2018 , 25, 376-387	7	37
82	Ex vivo permeation of tamoxifen and its 4-OH metabolite through rat intestine from lecithin/chitosan nanoparticles. <i>International Journal of Pharmaceutics</i> , 2015 , 491, 99-104	6.5	36
81	Application of RPMI 2650 nasal cell model to a 3D printed apparatus for the testing of drug deposition and permeation of nasal products. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016 , 107, 223-33	5.7	36
80	IN13 Backscattering Spectrometer at ILL: Looking for Motions in Biological Macromolecules and Organisms. <i>Neutron News</i> , 2008 , 19, 14-18	0.4	36
79	Opportunities and challenges for the nasal administration of nanoemulsions. <i>Current Topics in Medicinal Chemistry</i> , 2015 , 15, 356-68	3	36
78	Module assemblage technology for floating systems: in vitro flotation and in vivo gastro-retention. <i>Journal of Controlled Release</i> , 2008 , 129, 88-92	11.7	33
77	Hyaluronate nanoparticles included in polymer films for the prolonged release of vitamin E for the management of skin wounds. <i>European Journal of Pharmaceutical Sciences</i> , 2016 , 83, 203-11	5.1	32
76	Engineered sodium hyaluronate respirable dry powders for pulmonary drug delivery. <i>International Journal of Pharmaceutics</i> , 2017 , 517, 286-295	6.5	31
75	"Pierce and inhale" design in capsule based dry powder inhalers: Effect of capsule piercing and motion on aerodynamic performance of drugs. <i>International Journal of Pharmaceutics</i> , 2015 , 487, 197-204	6.5	30
74	Pure insulin highly respirable powders for inhalation. <i>European Journal of Pharmaceutical Sciences</i> , 2014 , 51, 110-7	5.1	30
73	Polymeric films loaded with vitamin E and aloe vera for topical application in the treatment of burn wounds. <i>BioMed Research International</i> , 2014 , 2014, 641590	3	29
72	Expanding the therapeutic potential of statins by means of nanotechnology enabled drug delivery systems. <i>Current Topics in Medicinal Chemistry</i> , 2014 , 14, 1182-93	3	29
71	Identifying contact-mediated, localized toxic effects of MWCNT aggregates on epithelial monolayers: a single-cell monitoring toxicity assay. <i>Nanotoxicology</i> , 2015 , 9, 230-41	5.3	26
70	Loco-regional administration of nanomedicines for the treatment of lung cancer. <i>Drug Delivery</i> , 2016 , 23, 2881-2896	7	26
69	Structural surface changes and inflammatory responses against alginate-based microcapsules after exposure to human peritoneal fluid. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 98, 394-403	5.4	26

68	In vitro permeation of desmopressin across rabbit nasal mucosa from liquid nasal sprays: the enhancing effect of potassium sorbate. <i>European Journal of Pharmaceutical Sciences</i> , 2009 , 37, 36-42	5.1	25
67	Gel-like TPGS-Based Microemulsions for Imiquimod Dermal Delivery: Role of Mesostructure on the Uptake and Distribution into the Skin. <i>Molecular Pharmaceutics</i> , 2017 , 14, 3281-3289	5.6	23
66	Intraleural polymeric films containing cisplatin for malignant pleural mesothelioma in a rat tumour model: a preliminary study. <i>European Journal of Cardio-thoracic Surgery</i> , 2010 , 37, 557-65	3	23
65	Dry powder nasal drug delivery: challenges, opportunities and a study of the commercial Teijin Puvlizer Rhinocort device and formulation. <i>Drug Development and Industrial Pharmacy</i> , 2016 , 42, 1660-8	3.6	22
64	In Vivo Assessment of Clobetasol Propionate-Loaded Lecithin-Chitosan Nanoparticles for Skin Delivery. <i>International Journal of Molecular Sciences</i> , 2016 , 18,	6.3	21
63	Nebulized coenzyme Q nanosuspensions: A versatile approach for pulmonary antioxidant therapy. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 113, 159-170	5.1	18
62	Chimeral agglomerates of microparticles for the administration of caffeine nasal powders. <i>Journal of Drug Delivery Science and Technology</i> , 2004 , 14, 449-454	4.5	18
61	Agglomerated oral dosage forms of artemisinin/ β -cyclodextrin spray-dried primary microparticles showing increased dissolution rate and bioavailability. <i>AAPS PharmSciTech</i> , 2013 , 14, 911-8	3.9	17
60	Structure and organization of phospholipid/polysaccharide nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 104211	1.8	17
59	Development of a Soluplus budesonide freeze-dried powder for nasal drug delivery. <i>Drug Development and Industrial Pharmacy</i> , 2017 , 43, 1510-1518	3.6	16
58	UcuBa () Fat-Based Nanostructured Lipid Carriers for Nail Drug Delivery of Ketoconazole: Development and Optimization Using Box-Behnken Design. <i>Pharmaceutics</i> , 2019 , 11,	6.4	16
57	Formulation design for topical drug and nanoparticle treatment of skin disease. <i>Therapeutic Delivery</i> , 2015 , 6, 197-216	3.8	16
56	Nasal powders of thalidomide for local treatment of nose bleeding in persons affected by hereditary hemorrhagic telangiectasia. <i>International Journal of Pharmaceutics</i> , 2016 , 514, 229-237	6.5	16
55	Antidiuretic effect of desmopressin chimera agglomerates by nasal administration in rats. <i>International Journal of Pharmaceutics</i> , 2013 , 440, 154-60	6.5	16
54	Assembled modules technology for site-specific prolonged delivery of norfloxacin. <i>International Journal of Pharmaceutics</i> , 2011 , 405, 90-6	6.5	16
53	Mean square hydrogen fluctuations in chitosan/lecithin nanoparticles from elastic neutron scattering experiments. <i>Physica B: Condensed Matter</i> , 2006 , 385-386, 725-727	2.8	16
52	Therapeutics and carriers: the dual role of proteins in nanoparticles for ocular delivery. <i>Current Topics in Medicinal Chemistry</i> , 2015 , 15, 369-85	3	16
51	Nanoemulsion-Enabled Oral Delivery of Novel Anticancer β Fatty Acid Derivatives. <i>Nanomaterials</i> , 2018 , 8,	5.4	16

50	Sodium Hyaluronate Nanocomposite Respirable Microparticles to Tackle Antibiotic Resistance with Potential Application in Treatment of Mycobacterial Pulmonary Infections. <i>Pharmaceutics</i> , 2019 , 11,	6.4	15
49	Combinations of colistin solutions and nebulisers for lung infection management in cystic fibrosis patients. <i>International Journal of Pharmaceutics</i> , 2016 , 502, 242-8	6.5	15
48	Artesunate-clindamycin multi-kinetics and site-specific oral delivery system for antimalaric combination products. <i>Journal of Controlled Release</i> , 2010 , 146, 54-60	11.7	15
47	Dose administration maneuvers and patient care in tobramycin dry powder inhalation therapy. <i>International Journal of Pharmaceutics</i> , 2018 , 548, 182-191	6.5	14
46	Flexibility and drug release features of lipid/saccharide nanoparticles. <i>Soft Matter</i> , 2010 , 6, 685-691	3.6	14
45	Chlorhexidine salt-loaded polyurethane orthodontic chains: in vitro release and antibacterial activity studies. <i>AAPS PharmSciTech</i> , 2012 , 13, 1446-50	3.9	13
44	From tablets to pharmaceutical nanotechnologies: Innovation in drug delivery strategies for the administration of antimalarial drugs. <i>Journal of Drug Delivery Science and Technology</i> , 2016 , 32, 167-173	4.5	12
43	Development and validation of a RP-HPLC method for the simultaneous detection and quantification of simvastatin's isoforms and coenzyme Q10 in lecithin/chitosan nanoparticles. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 155, 33-41	3.5	12
42	Drug delivery to the brain: how can nanoencapsulated statins be used in the clinic?. <i>Therapeutic Delivery</i> , 2017 , 8, 625-631	3.8	12
41	Therapeutic paint of cidofovir/sucralfate gel combination topically administered by spraying for treatment of orf virus infections. <i>AAPS Journal</i> , 2009 , 11, 242-9	3.7	12
40	Novel O/W nanoemulsions for nasal administration: Structural hints in the selection of performing vehicles with enhanced mucopenetration. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 183, 110439	6	11
39	A liposome-micelle-hybrid (LMH) oral delivery system for poorly water-soluble drugs: Enhancing solubilisation and intestinal transport. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 154, 338-347	5.7	11
38	Anti-inflammatory flurbiprofen nasal powders for nose-to-brain delivery in Alzheimer's disease. <i>Journal of Drug Targeting</i> , 2019 , 27, 984-994	5.4	10
37	Pharmacokinetics evaluation of soft agglomerates for prompt delivery of enteric pantoprazole-loaded microparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010 , 74, 275-80	5.7	10
36	A consensus research agenda for optimising nasal drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2020 , 17, 127-132	8	9
35	Agglomerates containing pantoprazole microparticles: modulating the drug release. <i>AAPS PharmSciTech</i> , 2009 , 10, 335-45	3.9	9
34	Dynamics of lipid-saccharide nanoparticles by quasielastic neutron scattering. <i>Chemical Physics</i> , 2008 , 345, 239-244	2.3	9
33	The effect of residual water on antacid properties of sucralfate gel dried by microwaves. <i>AAPS PharmSciTech</i> , 2006 , 7, E9	3.9	9

32	Excipient-free pulmonary insulin dry powder: Pharmacokinetic and pharmacodynamics profiles in rats. <i>Journal of Controlled Release</i> , 2020 , 323, 412-420	11.7	9
31	Evaluation of the Drug Release Kinetics in Assembled Modular Systems Based on the Dome Matrix Technology. <i>Journal of Pharmaceutical Sciences</i> , 2020 , 109, 2819-2826	3.9	8
30	Investigation of the swelling behavior of Dome Matrix drug delivery modules by high-resolution X-ray computed tomography. <i>Journal of Drug Delivery Science and Technology</i> , 2013 , 23, 165-170	4.5	8
29	Curcumin and Quercetin-Loaded Nanoemulsions: Physicochemical Compatibility Study and Validation of a Simultaneous Quantification Method. <i>Nanomaterials</i> , 2020 , 10,	5.4	8
28	Lipid-core nanocapsules are an alternative to the pulmonary delivery and to increase the stability of statins. <i>Journal of Microencapsulation</i> , 2019 , 36, 317-326	3.4	7
27	High shear mixing of lactose and salmeterol xinafoate dry powder blends: Biopharmaceutic and aerodynamic performances. <i>Journal of Drug Delivery Science and Technology</i> , 2015 , 30, 443-449	4.5	7
26	Docetaxel-Loaded Poly(3HB--4HB) Biodegradable Nanoparticles: Impact of Copolymer Composition. <i>Nanomaterials</i> , 2020 , 10,	5.4	7
25	Single layer transdermal film containing lidocaine: water and lidocaine mobility determined using neutron scattering. <i>Journal of Pharmaceutical Sciences</i> , 2010 , 99, 4277-84	3.9	7
24	Polymeric films loaded with cisplatin for malignant pleural mesothelioma: a pharmacokinetic study in an ovine model. <i>Journal of Thoracic Disease</i> , 2018 , 10, S207-S220	2.6	7
23	The Vaginal-PVPA: A Vaginal Mucosa-Mimicking In Vitro Permeation Tool for Evaluation of Mucoadhesive Formulations. <i>Pharmaceutics</i> , 2020 , 12,	6.4	6
22	A respirable HPV-L2 dry-powder vaccine with GLA as amphiphilic lubricant and immune-adjuvant. <i>Journal of Controlled Release</i> , 2021 , 340, 209-220	11.7	6
21	Physicochemical and pharmacokinetic properties of polymeric films loaded with cisplatin for the treatment of malignant pleural mesothelioma. <i>Journal of Thoracic Disease</i> , 2018 , 10, S194-S206	2.6	6
20	Dry powder inhaler of colistimethate sodium for lung infections in cystic fibrosis: optimization of powder construction. <i>Drug Development and Industrial Pharmacy</i> , 2019 , 45, 1664-1673	3.6	5
19	Multi-kinetics and site-specific release of gabapentin and flurbiprofen from oral fixed-dose combination: in vitro release and in vivo food effect. <i>Journal of Controlled Release</i> , 2017 , 262, 296-304	11.7	5
18	Consequences of not-shaking and shake-fire delays on the emitted dose of some commercial solution and suspension pressurized metered dose inhalers. <i>Expert Opinion on Drug Delivery</i> , 2020 , 17, 1025-1039	8	5
17	Structure and Fate of Nanoparticles Designed for the Nasal Delivery of Poorly Soluble Drugs. <i>Molecular Pharmaceutics</i> , 2021 , 18, 3132-3146	5.6	5
16	Evolved gas analysis during thermal degradation of salbutamol sulphate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 120, 789-794	4.1	3
15	Combined hyaluronate-based films loaded with pemetrexed and cisplatin for the treatment of malignant pleural mesothelioma: Preliminary evaluation in an orthotopic tumor recurrence model. <i>European Journal of Pharmaceutical Sciences</i> , 2018 , 123, 89-97	5.1	3

14	Treatment of equine sarcoids. <i>Veterinary Record</i> , 2012 , 171, 330	0.9	3
13	Inhalable Microparticles Embedding Calcium Phosphate Nanoparticles for Heart Targeting: The Formulation Experimental Design. <i>Pharmaceutics</i> , 2021 , 13,	6.4	3
12	Nanomedical research in Australia and New Zealand. <i>Nanomedicine</i> , 2013 , 8, 1999-2006	5.6	2
11	Effect of residual water content on the physico-chemical properties of sucralfate dried gel obtained by microwave drying. <i>Drug Development and Industrial Pharmacy</i> , 2005 , 31, 645-52	3.6	2
10	Chapter 5.2:Nanostructures for Overcoming the Pulmonary Barrier: Drug Delivery Strategies. <i>RSC Drug Discovery Series</i> , 2012 , 273-299	0.6	2
9	Intranasal administration of budesonide-loaded nanocapsule microagglomerates as an innovative strategy for asthma treatment. <i>Drug Delivery and Translational Research</i> , 2020 , 10, 1700-1715	6.2	2
8	Targeted Cyclodextrins 2011 , 251-273		1
7	Preliminary Investigation on Simvastatin-Loaded Polymeric Micelles in View of the Treatment of the Back of the Eye. <i>Pharmaceutics</i> , 2021 , 13,	6.4	1
6	Hybrid Nanoparticles as a Novel Tool for Regulating Psychosine-Induced Neuroinflammation and Demyelination In Vitro and Ex vivo. <i>Neurotherapeutics</i> , 2021 , 1	6.4	1
5	Pulmonary delivery of a p38 MAP kinase inhibitor: bioanalytical method validation and biodistribution in rat plasma and respiratory tissues. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 149, 105341	5.1	0
4	Nose-to-brain delivery of simvastatin mediated by chitosan-coated lipid-core nanocapsules allows for the treatment of glioblastoma in vivo.. <i>International Journal of Pharmaceutics</i> , 2022 , 616, 121563	6.5	0
3	UcuBa Fat Characterization and Use to Obtain Lipid Nanoparticles by High-Pressure Homogenization with Full Factorial Design. <i>Chemical Engineering and Technology</i> , 2021 , 44, 1009-1016	2	0
2	Anti-Inflammatory Properties of Statin-Loaded Biodegradable Lecithin/Chitosan Nanoparticles: A Step Toward Nose-to-Brain Treatment of Neurodegenerative Diseases. <i>Frontiers in Pharmacology</i> , 2021 , 12, 716380	5.6	0
1	Dynamics of Water and Small Molecules in Bioadhesive Polymer Films. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, SA021	1.5	