

Fabio Sonvico

List of Publications by Year in descending order

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111
papers

4,020
citations

136740

32
h-index

138251

58
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121
all docs

121
docs citations

121
times ranked

5584
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 1181-1188.	1.8	439
2	Surface-Modified Nanocarriers for Nose-to-Brain Delivery: From Bioadhesion to Targeting. <i>Pharmaceutics</i> , 2018, 10, 34.	2.0	206
3	Formation of self-organized nanoparticles by lecithin/chitosan ionic interaction. <i>International Journal of Pharmaceutics</i> , 2006, 324, 67-73.	2.6	169
4	Pectin Matrix as Oral Drug Delivery Vehicle for Colon Cancer Treatment. <i>AAPS PharmSciTech</i> , 2011, 12, 201-214.	1.5	166
5	Metallic Colloid Nanotechnology, Applications in Diagnosis and Therapeutics. <i>Current Pharmaceutical Design</i> , 2005, 11, 2091-2105.	0.9	145
6	Lecithin/chitosan nanoparticles of clobetasol-17-propionate capable of accumulation in pig skin. <i>Journal of Controlled Release</i> , 2010, 142, 368-373.	4.8	140
7	Mechanisms of formation and disintegration of alginate beads obtained by prilling. <i>International Journal of Pharmaceutics</i> , 2005, 302, 1-9.	2.6	124
8	Novel Platforms for Oral Drug Delivery. <i>Pharmaceutical Research</i> , 2009, 26, 601-611.	1.7	92
9	Opportunity and challenges of nasal powders: Drug formulation and delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 113, 2-17.	1.9	83
10	Chitosan-Coated Nanoparticles: Effect of Chitosan Molecular Weight on Nasal Transmucosal Delivery. <i>Pharmaceutics</i> , 2019, 11, 86.	2.0	79
11	Nasal Drug Delivery of Anticancer Drugs for the Treatment of Glioblastoma: Preclinical and Clinical Trials. <i>Molecules</i> , 2019, 24, 4312.	1.7	77
12	Specific Antitumor Targetable β -Cyclodextrin α -Poly(ethylene Glycol) α -Folic Acid Drug Delivery Bioconjugate. <i>Bioconjugate Chemistry</i> , 2004, 15, 997-1004.	1.8	75
13	Brain distribution of ribavirin after intranasal administration. <i>Antiviral Research</i> , 2011, 92, 408-414.	1.9	68
14	Characterization of a polyurethane-based controlled release system for local delivery of chlorhexidine diacetate. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 74, 255-264.	2.0	67
15	The nasal delivery of nanoencapsulated statins – an approach for brain delivery. <i>International Journal of Nanomedicine</i> , 2016, Volume 11, 6575-6590.	3.3	65
16	Particles and powders: Tools of innovation for non-invasive drug administration. <i>Journal of Controlled Release</i> , 2012, 161, 693-702.	4.8	59
17	Lecithin/chitosan controlled release nanopreparations of tamoxifen citrate: Loading, enzyme-trigger release and cell uptake. <i>Journal of Controlled Release</i> , 2013, 167, 276-283.	4.8	55
18	<i>In vivo</i> nose-to-brain delivery of the hydrophilic antiviral ribavirin by microparticle agglomerates. <i>Drug Delivery</i> , 2018, 25, 376-387.	2.5	54

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19	Liposome sensing and monitoring by organic electrochemical transistors integrated in microfluidics. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4374-4380.	1.1	53
20	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, 223-233.	2.0	53
21	Opportunities and Challenges for the Nasal Administration of Nanoemulsions. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 356-368.	1.0	52
22	Assemblage of novel release modules for the development of adaptable drug delivery systems. <i>Journal of Controlled Release</i> , 2006, 111, 212-218.	4.8	50
23	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.	2.6	49
24	Structure of Self-Organized Multilayer Nanoparticles for Drug Delivery. <i>Langmuir</i> , 2008, 24, 11378-11384.	1.6	47
25	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, 1-9.	0.9	44
26	IN13 Backscattering Spectrometer at ILL: Looking for Motions in Biological Macromolecules and Organisms. <i>Neutron News</i> , 2008, 19, 14-18.	0.1	43
27	Engineered sodium hyaluronate respirable dry powders for pulmonary drug delivery. <i>International Journal of Pharmaceutics</i> , 2017, 517, 286-295.	2.6	41
28	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, 203-211.	1.9	40
29	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.	2.6	38
30	Structure and Fate of Nanoparticles Designed for the Nasal Delivery of Poorly Soluble Drugs. <i>Molecular Pharmaceutics</i> , 2021, 18, 3132-3146.	2.3	37
31	Expanding the Therapeutic Potential of Statins by Means of Nanotechnology Enabled Drug Delivery Systems. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 1182-1193.	1.0	37
32	Loco-regional administration of nanomedicines for the treatment of lung cancer. <i>Drug Delivery</i> , 2016, 23, 2881-2896.	2.5	36
33	Module assemblage technology for floating systems: In vitro flotation and in vivo gastro-retention. <i>Journal of Controlled Release</i> , 2008, 129, 88-92.	4.8	34
34	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.	1.9	32
35	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, 1660-1668.	0.9	32
36	Pure insulin highly respirable powders for inhalation. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 51, 110-117.	1.9	30

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37	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.	2.3	29
38	Intrapleural 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, 557-565.	0.6	28
39	Identifying contact-mediated, localized toxic effects of MWCNT aggregates on epithelial monolayers: a single-cell monitoring toxicity assay. <i>Nanotoxicology</i> , 2015, 9, 230-241.	1.6	28
40	Ucuãba (<i>Virola surinamensis</i>) Fat-Based Nanostructured Lipid Carriers for Nail Drug Delivery of Ketoconazole: Development and Optimization Using Box-Behnken Design. <i>Pharmaceutics</i> , 2019, 11, 284.	2.0	28
41	In Vivo Assessment of Clobetasol Propionate-Loaded Lecithin-Chitosan Nanoparticles for Skin Delivery. <i>International Journal of Molecular Sciences</i> , 2017, 18, 32.	1.8	27
42	Dose administration maneuvers and patient care in tobramycin dry powder inhalation therapy. <i>International Journal of Pharmaceutics</i> , 2018, 548, 182-191.	2.6	27
43	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, 98A, 394-403.	2.1	26
44	Sodium Hyaluronate Nanocomposite Respirable Microparticles to Tackle Antibiotic Resistance with Potential Application in Treatment of Mycobacterial Pulmonary Infections. <i>Pharmaceutics</i> , 2019, 11, 203.	2.0	26
45	Development of a Soluplus budesonide freeze-dried powder for nasal drug delivery. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 1510-1518.	0.9	25
46	Chimeral agglomerates of microparticles for the administration of caffeine nasal powders. <i>Journal of Drug Delivery Science and Technology</i> , 2004, 14, 449-454.	1.4	24
47	Structure and organization of phospholipid/polysaccharide nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 104211.	0.7	23
48	Nebulized coenzyme Q 10 nanosuspensions: A versatile approach for pulmonary antioxidant therapy. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 113, 159-170.	1.9	23
49	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.	2.0	23
50	Agglomerated Oral Dosage Forms of Artemisinin/Î²-Cyclodextrin Spray-Dried Primary Microparticles Showing Increased Dissolution Rate and Bioavailability. <i>AAPS PharmSciTech</i> , 2013, 14, 911-918.	1.5	22
51	Formulation design for topical drug and nanoparticle treatment of skin disease. <i>Therapeutic Delivery</i> , 2015, 6, 197-216.	1.2	22
52	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.	2.6	22
53	Antidiuretic effect of desmopressin chimera agglomerates by nasal administration in rats. <i>International Journal of Pharmaceutics</i> , 2013, 440, 154-160.	2.6	21
54	Anti-inflammatory flurbiprofen nasal powders for nose-to-brain delivery in Alzheimer's disease. <i>Journal of Drug Targeting</i> , 2019, 27, 984-994.	2.1	21

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55	Excipient-free pulmonary insulin dry powder: Pharmacokinetic and pharmacodynamics profiles in rats. <i>Journal of Controlled Release</i> , 2020, 323, 412-420.	4.8	21
56	Nanoemulsion-Enabled Oral Delivery of Novel Anticancer ω -3 Fatty Acid Derivatives. <i>Nanomaterials</i> , 2018, 8, 825.	1.9	20
57	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.	2.5	20
58	Curcumin and Quercetin-Loaded Nanoemulsions: Physicochemical Compatibility Study and Validation of a Simultaneous Quantification Method. <i>Nanomaterials</i> , 2020, 10, 1650.	1.9	20
59	Combinations of colistin solutions and nebulisers for lung infection management in cystic fibrosis patients. <i>International Journal of Pharmaceutics</i> , 2016, 502, 242-248.	2.6	19
60	Therapeutic Paint of Cidofovir/Sucralfate Gel Combination Topically Administered by Spraying for Treatment of orf virus Infections. <i>AAPS Journal</i> , 2009, 11, 242-249.	2.2	18
61	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.	1.4	18
62	Mean square hydrogen fluctuations in chitosan/lecithin nanoparticles from elastic neutron scattering experiments. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 725-727.	1.3	17
63	Artesunate-clindamycin multi-kinetics and site-specific oral delivery system for antimalaric combination products. <i>Journal of Controlled Release</i> , 2010, 146, 54-60.	4.8	17
64	Therapeutics and Carriers: The Dual Role of Proteins in Nanoparticles for Ocular Delivery. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 369-385.	1.0	17
65	Assembled modules technology for site-specific prolonged delivery of norfloxacin. <i>International Journal of Pharmaceutics</i> , 2011, 405, 90-96.	2.6	16
66	The Vaginal-PVPA: A Vaginal Mucosa-Mimicking In Vitro Permeation Tool for Evaluation of Mucoadhesive Formulations. <i>Pharmaceutics</i> , 2020, 12, 568.	2.0	16
67	A consensus research agenda for optimising nasal drug delivery. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 127-132.	2.4	16
68	Docetaxel-Loaded Poly(3HB-co-4HB) Biodegradable Nanoparticles: Impact of Copolymer Composition. <i>Nanomaterials</i> , 2020, 10, 2123.	1.9	15
69	Flexibility and drug release features of lipid/saccharide nanoparticles. <i>Soft Matter</i> , 2010, 6, 685-691.	1.2	14
70	Chlorhexidine Salt-Loaded Polyurethane Orthodontic Chains: In Vitro Release and Antibacterial Activity Studies. <i>AAPS PharmSciTech</i> , 2012, 13, 1446-1450.	1.5	14
71	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.	4.8	14
72	Pharmacokinetics evaluation of soft agglomerates for prompt delivery of enteric pantoprazole-loaded microparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 74, 275-280.	2.0	13

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73	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.	1.4	13
74	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.	1.4	13
75	Drug delivery to the brain: how can nanoencapsulated statins be used in the clinic?. <i>Therapeutic Delivery</i> , 2017, 8, 625-631.	1.2	13
76	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.	2.4	13
77	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.	1.6	13
78	Inhalable Microparticles Embedding Calcium Phosphate Nanoparticles for Heart Targeting: The Formulation Experimental Design. <i>Pharmaceutics</i> , 2021, 13, 1825.	2.0	13
79	Agglomerates Containing Pantoprazole Microparticles: Modulating the Drug Release. <i>AAPS PharmSciTech</i> , 2009, 10, 335-345.	1.5	12
80	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.	0.6	12
81	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.	0.6	11
82	In Vitro Evaluation of Curcumin- and Quercetin-Loaded Nanoemulsions for Intranasal Administration: Effect of Surface Charge and Viscosity. <i>Pharmaceutics</i> , 2022, 14, 194.	2.0	11
83	The effect of residual water on antacid properties of sucralfate gel dried by microwaves. <i>AAPS PharmSciTech</i> , 2006, 7, E58-E63.	1.5	10
84	Dynamics of lipid-saccharide nanoparticles by quasielastic neutron scattering. <i>Chemical Physics</i> , 2008, 345, 239-244.	0.9	10
85	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.	4.8	10
86	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.	1.2	10
87	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.	1.6	10
88	Curcumin and Quercetin-Loaded Lipid Nanocarriers: Development of Omega-3 Mucoadhesive Nanoemulsions for Intranasal Administration. <i>Nanomaterials</i> , 2022, 12, 1073.	1.9	10
89	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.	1.4	9
90	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.	0.9	8

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91	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.	2.6	8
92	Single Layer Transdermal Film Containing Lidocaine: Water and Lidocaine Mobility Determined using Neutron Scattering. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 4277-4284.	1.6	7
93	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.	3.0	7
94	Preliminary Investigation on Simvastatin-Loaded Polymeric Micelles in View of the Treatment of the Back of the Eye. <i>Pharmaceutics</i> , 2021, 13, 855.	2.0	7
95	Hybrid Nanoparticles as a Novel Tool for Regulating Psychosine-Induced Neuroinflammation and Demyelination In Vitro and Ex vivo. <i>Neurotherapeutics</i> , 2021, 18, 2608-2622.	2.1	7
96	Editorial: Intranasal Drug Delivery: Challenges and Opportunities. <i>Frontiers in Pharmacology</i> , 2022, 13, 868986.	1.6	7
97	Evolved gas analysis during thermal degradation of salbutamol sulphate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 120, 789-794.	2.0	6
98	RespiCell™: An Innovative Dissolution Apparatus for Inhaled Products. <i>Pharmaceutics</i> , 2021, 13, 1541.	2.0	6
99	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.	1.9	5
100	UcuÃ1ba Fat Characterization and Use toÃObtain Lipid Nanoparticles by Highâ€Pressure Homogenization with Full Factorial Design. <i>Chemical Engineering and Technology</i> , 2021, 44, 1009-1016.	0.9	5
101	Fluorescence-enabled evaluation of nasal tract deposition and coverage of pharmaceutical formulations in a silicone nasal cast using an innovative spray device. <i>Journal of Advanced Research</i> , 2023, 44, 227-232.	4.4	5
102	Treatment of equine sarcoids. <i>Veterinary Record</i> , 2012, 171, 330-330.	0.2	4
103	Nanomaterial research in Australia and New Zealand. <i>Nanomedicine</i> , 2013, 8, 1999-2006.	1.7	4
104	Design and Characterization of Maltoheptaose-b-Polystyrene Nanoparticles, as a Potential New Nanocarrier for Oral Delivery of Tamoxifen. <i>Molecules</i> , 2021, 26, 6507.	1.7	4
105	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, 645-652.	0.9	3
106	Orphan Designation and Cisplatin/Hyaluronan Complex in an Intracavitary Film for Malignant Mesothelioma. <i>Pharmaceutics</i> , 2021, 13, 362.	2.0	3
107	Recent Patents on Nasal Vaccines Containing Nanoadjuvants. <i>Recent Advances in Drug Delivery and Formulation</i> , 2022, 16, 103-121.	0.3	3
108	Pulmonary delivery of a p38 Î±/Î² MAP kinase inhibitor: bioanalytical method validation and biodistribution in rat plasma and respiratory tissues. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 149, 105341.	1.9	2

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109	Nanostructures for Overcoming the Pulmonary Barrier: Drug Delivery Strategies. RSC Drug Discovery Series, 2012, , 273-299.	0.2	2
110	Dynamics of Water and Small Molecules in Bioadhesive Polymer Films. Journal of the Physical Society of Japan, 2013, 82, SA021.	0.7	0
111	Inhalable cyclosporine powder for immunosuppressive treatment. , 2021, , .		0