

Andrea Gazzaniga

List of Publications by Year in descending order

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117625

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75
all docs

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docs citations

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times ranked

2901
citing authors

#	ARTICLE	IF	CITATIONS
1	Administration strategies and smart devices for drug release in specific sites of the upper GI tract. <i>Journal of Controlled Release</i> , 2022, 348, 537-552.	9.9	12
2	Quality considerations on the pharmaceutical applications of fused deposition modeling 3D printing. <i>International Journal of Pharmaceutics</i> , 2021, 592, 119901.	5.2	61
3	The Chronotropicâ„¢ System for Pulsatile and Colonic Delivery of Active Molecules in the Era of Precision Medicine: Feasibility by 3D Printing via Fused Deposition Modeling (FDM). <i>Pharmaceutics</i> , 2021, 13, 759.	4.5	33
4	Shape memory materials and 4D printing in pharmaceutics. <i>Advanced Drug Delivery Reviews</i> , 2021, 173, 216-237.	13.7	62
5	Cellulase as an "active" excipient in prolonged-release HPMC matrices: A novel strategy towards zero-order release kinetics. <i>International Journal of Pharmaceutics</i> , 2021, 607, 121005.	5.2	4
6	Dataset on a Small-Scale Film-Coating Process Developed for Self-Expanding 4D Printed Drug Delivery Devices. <i>Coatings</i> , 2021, 11, 1252.	2.6	11
7	Oral colon delivery platform based on a novel combination approach: Design concept and preliminary evaluation. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 66, 102919.	3.0	7
8	Retentive drug delivery systems based on shape memory materials. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48798.	2.6	28
9	Evaluation of powder-layering vs. spray-coating techniques in the manufacturing of a swellable/erodible pulsatile delivery system. <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 1230-1237.	2.0	10
10	Erodible coatings based on HPMC and cellulase for oral time-controlled release of drugs. <i>International Journal of Pharmaceutics</i> , 2020, 585, 119425.	5.2	12
11	Non-uniform drug distribution matrix system (NUDDMat) for zero-order release of drugs with different solubility. <i>International Journal of Pharmaceutics</i> , 2020, 581, 119217.	5.2	9
12	Injection Molded Capsules for Colon Delivery Combining Time-Controlled and Enzyme-Triggered Approaches. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1917.	4.1	13
13	Oral hydrophilic matrices having non uniform drug distribution for zero-order release: A literature review. <i>Journal of Controlled Release</i> , 2020, 325, 72-83.	9.9	9
14	3D printing by fused deposition modeling of single- and multi-compartment hollow systems for oral delivery " A review. <i>International Journal of Pharmaceutics</i> , 2020, 579, 119155.	5.2	78
15	Lego-Inspired Capsular Devices for the Development of Personalized Dietary Supplements: Proof of Concept With Multimodal Release of Caffeine. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 1990-1999.	3.3	25
16	In vitro and human pharmacoscintigraphic evaluation of an oral 5-ASA delivery system for colonic release. <i>International Journal of Pharmaceutics</i> , 2019, 572, 118723.	5.2	39
17	Expandable drug delivery system for gastric retention based on shape memory polymers: Development via 4D printing and extrusion. <i>International Journal of Pharmaceutics</i> , 2019, 571, 118700.	5.2	126
18	Effect of Polyethylene Glycol Content and Molar Mass on Injection Molding of Hydroxypropyl Methylcellulose Acetate Succinate-Based Gastroresistant Capsular Devices for Oral Drug Delivery. <i>Polymers</i> , 2019, 11, 517.	4.5	7

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19	Novel hydrophilic matrix system with non-uniform drug distribution for zero-order release kinetics. <i>Journal of Controlled Release</i> , 2018, 287, 247-256.	9.9	12
20	Industrial Development of a 3D-Printed Nutraceutical Delivery Platform in the Form of a Multicompartment HPC Capsule. <i>AAPS PharmSciTech</i> , 2018, 19, 3343-3354.	3.3	49
21	Dry coating of solid dosage forms: an overview of processes and applications. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 1919-1931.	2.0	21
22	Enteric coatings for colonic drug delivery: state of the art. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 1027-1029.	5.0	44
23	Hot-melt extruded filaments based on pharmaceutical grade polymers for 3D printing by fused deposition modeling. <i>International Journal of Pharmaceutics</i> , 2016, 509, 255-263.	5.2	309
24	In vitro and in vivo evaluation of an oral multiple-unit formulation for colonic delivery of insulin. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 108, 76-82.	4.3	31
25	Influence of temperature and relative humidity conditions on the pan coating of hydroxypropyl cellulose molded capsules. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 100, 47-57.	4.3	18
26	Erodible drug delivery systems for time-controlled release into the gastrointestinal tract. <i>Journal of Drug Delivery Science and Technology</i> , 2016, 32, 229-235.	3.0	38
27	Coated pellets for oral colon delivery. <i>Journal of Drug Delivery Science and Technology</i> , 2015, 25, 1-15.	3.0	51
28	Enteric-coating of pulsatile-release HPC capsules prepared by injection molding. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 70, 1-11.	4.0	32
29	3D printing by fused deposition modeling (FDM) of a swellable/erodible capsular device for oral pulsatile release of drugs. <i>Journal of Drug Delivery Science and Technology</i> , 2015, 30, 360-367.	3.0	230
30	Evaluation of Hot-Melt Extrusion and Injection Molding for Continuous Manufacturing of Immediate-Release Tablets. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 1971-1980.	3.3	45
31	Impact of needle-like crystals on wet and solid-lipid extrusion processes. <i>Powder Technology</i> , 2015, 270, 476-483.	4.2	1
32	Erodible Time-Dependent Colon Delivery Systems with Improved Efficiency in Delaying the Onset of Drug Release. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 3585-3593.	3.3	22
33	Evaluation of hot-melt extrusion technique in the preparation of HPC matrices for prolonged release. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 52, 77-85.	4.0	42
34	Film coatings for oral colon delivery. <i>International Journal of Pharmaceutics</i> , 2013, 457, 372-394.	5.2	86
35	Polymeric coatings for a multiple-unit pulsatile delivery system: Preliminary study on free and applied films. <i>International Journal of Pharmaceutics</i> , 2013, 440, 256-263.	5.2	22
36	Injection-Molded Capsular Device for Oral Pulsatile Release: Development of a Novel Mold. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 489-499.	3.3	31

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37	Gastroresistant capsular device prepared by injection molding. International Journal of Pharmaceutics, 2013, 440, 264-272.	5.2	23
38	Film coatings for oral pulsatile release. International Journal of Pharmaceutics, 2013, 457, 362-371.	5.2	49
39	Comparison of the <i>In Vivo</i> Pharmacokinetics and <i>In Vitro</i> Dissolution of Raltegravir in HIV Patients Receiving the Drug by Swallowing or by Chewing. Antimicrobial Agents and Chemotherapy, 2012, 56, 6132-6136.	3.2	30
40	Oral colon delivery of insulin with the aid of functional adjuvants. Advanced Drug Delivery Reviews, 2012, 64, 540-556.	13.7	98
41	Optimisation and scale-up of a highly-loaded 5-ASA multi-particulate dosage form using a factorial approach. European Journal of Pharmaceutical Sciences, 2012, 45, 158-168.	4.0	4
42	Injection Molding and its application to drug delivery. Journal of Controlled Release, 2012, 159, 324-331.	9.9	114
43	A Novel Injection-Molded Capsular Device for Oral Pulsatile Delivery Based on Swellable/Erodible Polymers. AAPS PharmSciTech, 2011, 12, 295-303.	3.3	45
44	Oral Delivery System for Two-pulse Colonic Release of Protein Drugs and Protease Inhibitor/Absorption Enhancer Compounds. Journal of Pharmaceutical Sciences, 2011, 100, 3251-3259.	3.3	40
45	Oral pulsatile delivery: Rationale and chronopharmaceutical formulations. International Journal of Pharmaceutics, 2010, 398, 1-8.	5.2	53
46	Active packaging for topical cosmetic/drug products: A hot-melt extruded preservative delivery device. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 75, 291-296.	4.3	18
47	Extrusion-spheronisation of highly loaded 5-ASA multiparticulate dosage forms. International Journal of Pharmaceutics, 2010, 402, 153-164.	5.2	33
48	Preparation and evaluation of an oral delivery system for time-dependent colon release of insulin and selected protease inhibitor and absorption enhancer compounds. Journal of Pharmaceutical Sciences, 2009, 98, 4661-4669.	3.3	31
49	Feasibility, stability and release performance of a time-dependent insulin delivery system intended for oral colon release. European Journal of Pharmaceutics and Biopharmaceutics, 2009, 72, 246-251.	4.3	40
50	The Use of β -Cyclodextrin in the Manufacturing of Disintegrating Pellets with Improved Dissolution Performances. AAPS PharmSciTech, 2008, 9, 708-17.	3.3	6
51	Oral pulsatile delivery systems based on swellable hydrophilic polymers. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 68, 11-18.	4.3	50
52	Different HPMC Viscosity Grades as Coating Agents for an Oral Time and/or Site-Controlled Delivery System: An Investigation into the Mechanisms Governing Drug Release. Journal of Pharmaceutical Sciences, 2007, 96, 1527-1536.	3.3	29
53	Solid-State Chemistry of Ambroxol Theophylline-7-Acetate. Journal of Pharmaceutical Sciences, 2007, 96, 1139-1146.	3.3	9
54	Time-controlled oral delivery systems for colon targeting. Expert Opinion on Drug Delivery, 2006, 3, 583-597.	5.0	81

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55	Drugâ€”Cyclodextrin Containing Pellets Prepared with a Highâ€”Shear Mixer. Drug Development and Industrial Pharmacy, 2004, 30, 1061-1068.	2.0	8
56	Different HPMC viscosity grades as coating agents for an oral time and/or site-controlled delivery system: a study on process parameters and in vitro performances. European Journal of Pharmaceutical Sciences, 2004, 22, 469-476.	4.0	65
57	Modeling of drug release from partially coated matrices made of a high viscosity HPMC. International Journal of Pharmaceutics, 2004, 276, 107-114.	5.2	35
58	A study on the release mechanism of drugs from hydrophilic partially coated perforated matrices. Il Farmaco, 2003, 58, 971-976.	0.9	10
59	Solid-state characterization of paracetamol metastable polymorphs formed in binary mixtures with hydroxypropylmethylcellulose. Thermochimica Acta, 2003, 406, 55-67.	2.7	38
60	The effect of poly(ethylene glycol)â€”poly(D,L-lactic acid) diblock copolymers on peptide acylation. Journal of Controlled Release, 2002, 80, 157-168.	9.9	48
61	Polymorphism of racâ€”5,6â€”Diisobutyryloxyâ€”2â€”Methylaminoâ€”1,2,3,4â€”Tetrahydroâ€”Naphthalene Hydrochloride (CHF 1035). I. Thermal, spectroscopic, and Xâ€”ray diffraction properties. Journal of Pharmaceutical Sciences, 2002, 91, 2466.	3.3	1
62	Influence of betacyclodextrin on the release of poorly soluble drugs from inert and hydrophilic heterogeneous polymeric matrices. Biomaterials, 2001, 22, 2647-2651.	11.4	35
63	Polymorphism of rac-5,6-diisobutyryloxy-2-methylamino-1,2,3,4-tetrahydro-naphthalene hydrochloride (CHF 1035). I. Thermal, spectroscopic, and X-ray diffraction properties. Journal of Pharmaceutical Sciences, 2001, 90, 1154-1163.	3.3	12
64	In vitro and in vivo evaluation of an oral system for time and/or site-specific drug delivery. Journal of Controlled Release, 2001, 73, 103-110.	9.9	130
65	Solubility and conversion of carbamazepine polymorphs in supercritical carbon dioxide. European Journal of Pharmaceutical Sciences, 2001, 13, 281-286.	4.0	63
66	Assessment of Solubility of Ketoprofen and Vanillic Acid in Supercritical CO ₂ under Dynamic Conditions. Journal of Chemical & Engineering Data, 2000, 45, 161-165.	1.9	81
67	Physical properties of parabens and their mixtures: Solubility in water, thermal behavior, and crystal structures. Journal of Pharmaceutical Sciences, 1999, 88, 1210-1216.	3.3	85
68	Crystal Forms of Piroxicam Pivalate: Preparation and Characterization of Two Polymorphs. Journal of Pharmaceutical Sciences, 1998, 87, 333-337.	3.3	19
69	Structural characterization of two polymorphic forms of piroxicam pivalate. Journal of Pharmaceutical Sciences, 1998, 87, 1608-1614.	3.3	14
70	A Physicochemical Approach to the Investigation of the Stability of Trimethoprimâ€”Sulfamethoxazole (Coâ€”Trimoxazole) Mixtures for Injectables. Journal of Pharmaceutical Sciences, 1995, 84, 1254-1258.	3.3	3
71	Thermal behaviour and dissolution properties of naproxen in combinations with chemically modified Å–Cyclodextrins. Drug Development and Industrial Pharmacy, 1992, 18, 39-53.	2.0	53
72	Drug/polymer matrix swelling and dissolution. Pharmaceutical Research, 1988, 05, 488-494.	3.5	222

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73	A physical analysis of the phenomenon of tablet disintegration. International Journal of Pharmaceutics, 1988, 44, 177-186.	5.2	33
74	The mechanisms of disintegration of compressed particulate systems. Polymer Bulletin, 1987, 18, 541-544.	3.3	5