Alessandra Maroni

List of Publications by Year
in descending order

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57 papers	2,785 citations	147566 31 h-index	174990 52 g-index
58 all docs	58 docs citations	58 times ranked	2327 citing authors

#	Article	IF	Citations
1	Hot-melt extruded filaments based on pharmaceutical grade polymers for 3D printing by fused deposition modeling. International Journal of Pharmaceutics, 2016, 509, 255-263.	2.6	309
2	3D printing by fused deposition modeling (FDM) of a swellable/erodible capsular device for oral pulsatile release of drugs. Journal of Drug Delivery Science and Technology, 2015, 30, 360-367.	1.4	230
3	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.	4.8	130
4	Expandable drug delivery system for gastric retention based on shape memory polymers: Development via 4D printing and extrusion. International Journal of Pharmaceutics, 2019, 571, 118700.	2.6	126
5	Three-Dimensional Printing of Medicinal Products and the Challenge of Personalized Therapy. Journal of Pharmaceutical Sciences, 2017, 106, 1697-1705.	1.6	125
6	Injection Molding and its application to drug delivery. Journal of Controlled Release, 2012, 159, 324-331.	4.8	114
7	Oral colon delivery of insulin with the aid of functional adjuvants. Advanced Drug Delivery Reviews, 2012, 64, 540-556.	6.6	98
8	Film coatings for oral colon delivery. International Journal of Pharmaceutics, 2013, 457, 372-394.	2.6	86
9	Time-controlled oral delivery systems for colon targeting. Expert Opinion on Drug Delivery, 2006, 3, 583-597.	2.4	81
10	3D printing by fused deposition modeling of single- and multi-compartment hollow systems for oral delivery â€“ A review. International Journal of Pharmaceutics, 2020, 579, 119155.	2.6	78
11	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.	1.9	65
12	Shape memory materials and 4D printing in pharmaceutics. Advanced Drug Delivery Reviews, 2021, 173, 216-237.	6.6	62
13	Quality considerations on the pharmaceutical applications of fused deposition modeling 3D printing. International Journal of Pharmaceutics, 2021, 592, 119901.	2.6	61
14	Oral pulsatile drug delivery systems. Expert Opinion on Drug Delivery, 2005, 2, 855-871.	2.4	60
15	A Graphical Review on the Escalation of Fused Deposition Modeling (FDM) 3D Printing in the Pharmaceutical Field. Journal of Pharmaceutical Sciences, 2020, 109, 2943-2957.	1.6	59
16	Oral pulsatile delivery: Rationale and chronopharmaceutical formulations. International Journal of Pharmaceutics, 2010, 398, 1-8.	2.6	53
17	Coated pellets for oral colon delivery. Journal of Drug Delivery Science and Technology, 2015, 25, 1-15.	1.4	51
18	Film coatings for oral pulsatile release. International Journal of Pharmaceutics, 2013, 457, 362-371.	2.6	49

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19	Industrial Development of a 3D-Printed Nutraceutical Delivery Platform in the Form of a Multicompartment HPC Capsule. AAPS PharmSciTech, 2018, 19, 3343-3354.	1.5	49
20	A Novel Injection-Molded Capsular Device for Oral Pulsatile Delivery Based on Swellable/Erodible Polymers. AAPS PharmSciTech, 2011, 12, 295-303.	1.5	45
21	Evaluation of Hot-Melt Extrusion and Injection Molding for Continuous Manufacturing of Immediate-Release Tablets. Journal of Pharmaceutical Sciences, 2015, 104, 1971-1980.	1.6	45
22	Enteric coatings for colonic drug delivery: state of the art. Expert Opinion on Drug Delivery, 2017, 14, 1027-1029.	2.4	44
23	Evaluation of hot-melt extrusion technique in the preparation of HPC matrices for prolonged release. European Journal of Pharmaceutical Sciences, 2014, 52, 77-85.	1.9	42
24	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.	2.0	40
25	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.	1.6	40
26	In vitro and human pharmacoscintigraphic evaluation of an oral 5-ASA delivery system for colonic release. International Journal of Pharmaceutics, 2019, 572, 118723.	2.6	39
27	Erodible drug delivery systems for time-controlled release into the gastrointestinal tract. Journal of Drug Delivery Science and Technology, 2016, 32, 229-235.	1.4	38
28	Influence of betacyclodextrin on the release of poorly soluble drugs from inert and hydrophilic heterogeneous polymeric matrices. Biomaterials, 2001, 22, 2647-2651.	5.7	35
29	Modeling of drug release from partially coated matrices made of a high viscosity HPMC. International Journal of Pharmaceutics, 2004, 276, 107-114.	2.6	35
30	The Chronotopicâ„¢ System for Pulsatile and Colonic Delivery of Active Molecules in the Era of Precision Medicine: Feasibility by 3D Printing via Fused Deposition Modeling (FDM). Pharmaceutics, 2021, 13, 759.	2.0	33
31	Enteric-coating of pulsatile-release HPC capsules prepared by injection molding. European Journal of Pharmaceutical Sciences, 2015, 70, 1-11.	1.9	32
32	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.	1.6	31
33	Injection-Molded Capsular Device for Oral Pulsatile Release: Development of a Novel Mold. Journal of Pharmaceutical Sciences, 2013, 102, 489-499.	1.6	31
34	In vitro and in vivo evaluation of an oral multiple-unit formulation for colonic delivery of insulin. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 108, 76-82.	2.0	31
35	Different HPMC Viscosity Grades as Coating Agents for an Oral Time and/or Siteâ€Controlled Delivery System: An Investigation into the Mechanisms Governing Drug Release. Journal of Pharmaceutical Sciences, 2007, 96, 1527-1536.	1.6	29
36	Retentive drug delivery systems based on shape memory materials. Journal of Applied Polymer Science, 2020, 137, 48798.	1.3	28

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37	Lego-Inspired Capsular Devices for the Development of Personalized Dietary Supplements: Proof of Concept With Multimodal Release of Caffeine. Journal of Pharmaceutical Sciences, 2020, 109, 1990-1999.	1.6	25
38	Gastroresistant capsular device prepared by injection molding. International Journal of Pharmaceutics, 2013, 440, 264-272.	2.6	23
39	Dry Coating of Soft Gelatin Capsules with HPMCAS. Drug Development and Industrial Pharmacy, 2008, 34, 1196-1200.	0.9	22
40	Polymeric coatings for a multiple-unit pulsatile delivery system: Preliminary study on free and applied films. International Journal of Pharmaceutics, 2013, 440, 256-263.	2.6	22
41	Erodible Timeâ€Dependent Colon Delivery Systems with Improved Efficiency in Delaying the Onset of Drug Release. Journal of Pharmaceutical Sciences, 2014, 103, 3585-3593.	1.6	22
42	Dry coating of solid dosage forms: an overview of processes and applications. Drug Development and Industrial Pharmacy, 2017, 43, 1919-1931.	0.9	21
43	Active packaging for topical cosmetic/drug products: A hot-melt extruded preservative delivery device. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 75, 291-296.	2.0	18
44	Intravesical drug delivery approaches for improved therapy of urinary bladder diseases. International Journal of Pharmaceutics: X, 2021, 3, 100100.	1.2	16
45	Injection Molded Capsules for Colon Delivery Combining Time-Controlled and Enzyme-Triggered Approaches. International Journal of Molecular Sciences, 2020, 21, 1917.	1.8	13
46	Novel hydrophilic matrix system with non-uniform drug distribution for zero-order release kinetics. Journal of Controlled Release, 2018, 287, 247-256.	4.8	12
47	Erodible coatings based on HPMC and cellulase for oral time-controlled release of drugs. International Journal of Pharmaceutics, 2020, 585, 119425.	2.6	12
48	Administration strategies and smart devices for drug release in specific sites of the upper GI tract. Journal of Controlled Release, 2022, 348, 537-552.	4.8	12
49	A study on the release mechanism of drugs from hydrophilic partially coated perforated matrices. Il Farmaco, 2003, 58, 971-976.	0.9	10
50	Evaluation of powder-layering vs. spray-coating techniques in the manufacturing of a swellable/erodible pulsatile delivery system. Drug Development and Industrial Pharmacy, 2020, 46, 1230-1237.	0.9	10
51	Non-uniform drug distribution matrix system (NUDDMat) for zero-order release of drugs with different solubility. International Journal of Pharmaceutics, 2020, 581, 119217.	2.6	9
52	Oral hydrophilic matrices having non uniform drug distribution for zero-order release: A literature review. Journal of Controlled Release, 2020, 325, 72-83.	4.8	9
53	Effect of Polyethylene Glycol Content and Molar Mass on Injection Molding of Hydroxypropyl Methylcellulose Acetate Succinate-Based Gastroresistant Capsular Devices for Oral Drug Delivery. Polymers, 2019, 11, 517.	2.0	7
54	Oral colon delivery platform based on a novel combination approach: Design concept and preliminary evaluation. Journal of Drug Delivery Science and Technology, 2021, 66, 102919.	1.4	7

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55	The Use of ÃŸ-Cyclodextrin in the Manufacturing of Disintegrating Pellets with Improved Dissolution Performances. AAPS PharmSciTech, 2008, 9, 708-17.	1.5	6
56	Cellulase as an â€œactiveâ€•excipient in prolonged-release HPMC matrices: A novel strategy towards zero-order release kinetics. International Journal of Pharmaceutics, 2021, 607, 121005.	2.6	4
57	Newly designed punch for scored tablets: Evaluation by an expert system based on quality by design. Journal of Drug Delivery Science and Technology, 2021, 65, 102729.	1.4	1