

Alice Melocchi

List of Publications by Year in descending order

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29
papers

1,591
citations

430442

18
h-index

476904

29
g-index

29
all docs

29
docs citations

29
times ranked

1426
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.6	309
2	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.	1.4	230
3	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.	2.6	126
4	Three-Dimensional Printing of Medicinal Products and the Challenge of Personalized Therapy. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 1697-1705.	1.6	125
5	Injection Molding and its application to drug delivery. <i>Journal of Controlled Release</i> , 2012, 159, 324-331.	4.8	114
6	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.	2.6	78
7	Shape memory materials and 4D printing in pharmaceutics. <i>Advanced Drug Delivery Reviews</i> , 2021, 173, 216-237.	6.6	62
8	Quality considerations on the pharmaceutical applications of fused deposition modeling 3D printing. <i>International Journal of Pharmaceutics</i> , 2021, 592, 119901.	2.6	61
9	A Graphical Review on the Escalation of Fused Deposition Modeling (FDM) 3D Printing in the Pharmaceutical Field. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 2943-2957.	1.6	59
10	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.	1.5	49
11	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.	1.6	45
12	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.	1.9	42
13	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.	2.6	39
14	The Chronotropic 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.	2.0	33
15	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.	2.0	31
16	Retentive drug delivery systems based on shape memory materials. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48798.	1.3	28
17	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.	1.6	25
18	Gastroresistant capsular device prepared by injection molding. <i>International Journal of Pharmaceutics</i> , 2013, 440, 264-272.	2.6	23

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19	Intravesical drug delivery approaches for improved therapy of urinary bladder diseases. <i>International Journal of Pharmaceutics</i> , 2021, 3, 100100.	1.2	16
20	Injection Molded Capsules for Colon Delivery Combining Time-Controlled and Enzyme-Triggered Approaches. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1917.	1.8	13
21	Novel hydrophilic matrix system with non-uniform drug distribution for zero-order release kinetics. <i>Journal of Controlled Release</i> , 2018, 287, 247-256.	4.8	12
22	Erodible coatings based on HPMC and cellulase for oral time-controlled release of drugs. <i>International Journal of Pharmaceutics</i> , 2020, 585, 119425.	2.6	12
23	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.	4.8	12
24	Dataset on a Small-Scale Film-Coating Process Developed for Self-Expanding 4D Printed Drug Delivery Devices. <i>Coatings</i> , 2021, 11, 1252.	1.2	11
25	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.	0.9	10
26	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.	2.0	7
27	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.	1.4	7
28	What's next in the use of opacifiers for cosmetic coatings of solid dosage forms? Insights on current titanium dioxide alternatives. <i>International Journal of Pharmaceutics</i> , 2022, 616, 121550.	2.6	7
29	Rheological Characterization of Ethylcellulose-Based Melts for Pharmaceutical Applications. <i>AAPS PharmSciTech</i> , 2017, 18, 855-866.	1.5	5