

Mohamed A Alhnan

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,867
citations

172386

29
h-index

206029

48
g-index

50
all docs

50
docs citations

50
times ranked

2796
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of extended-release patient-tailored prednisolone tablets via fused deposition modelling (FDM) 3D printing. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 68, 11-17.	1.9	431
2	Emergence of 3D Printed Dosage Forms: Opportunities and Challenges. <i>Pharmaceutical Research</i> , 2016, 33, 1817-1832.	1.7	415
3	A flexible-dose dispenser for immediate and extended release 3D printed tablets. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 96, 380-387.	2.0	335
4	Channelled tablets: An innovative approach to accelerating drug release from 3D printed tablets. <i>Journal of Controlled Release</i> , 2018, 269, 355-363.	4.8	267
5	Adaptation of pharmaceutical excipients to FDM 3D printing for the fabrication of patient-tailored immediate release tablets. <i>International Journal of Pharmaceutics</i> , 2016, 513, 659-668.	2.6	248
6	A Lower Temperature FDM 3D Printing for the Manufacture of Patient-Specific Immediate Release Tablets. <i>Pharmaceutical Research</i> , 2016, 33, 2704-2712.	1.7	232
7	Fabricating a Shell-Core Delayed Release Tablet Using Dual FDM 3D Printing for Patient-Centred Therapy. <i>Pharmaceutical Research</i> , 2017, 34, 427-437.	1.7	217
8	Tablet fragmentation without a disintegrant: A novel design approach for accelerating disintegration and drug release from 3D printed cellulosic tablets. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 118, 191-199.	1.9	149
9	â€œTemporary Plasticiserâ€™™: A novel solution to fabricate 3D printed patient-centred cardiovascular â€œPolypillâ€™™ architectures. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 135, 94-103.	2.0	143
10	Liposome Delivery Systems for Inhalation: A Critical Review Highlighting Formulation Issues and Anticancer Applications. <i>Medical Principles and Practice</i> , 2016, 25, 60-72.	1.1	132
11	3D printed oral theophylline doses with innovative â€œradiator-likeâ€™™ design: Impact of polyethylene oxide (PEO) molecular weight. <i>International Journal of Pharmaceutics</i> , 2019, 564, 98-105.	2.6	122
12	On demand manufacturing of patient-specific liquid capsules via co-ordinated 3D printing and liquid dispensing. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 118, 134-143.	1.9	104
13	From â€œfixed dose combinationsâ€™™ to â€œa dynamic dose combinerâ€™™: 3D printed bi-layer antihypertensive tablets. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 123, 484-494.	1.9	92
14	Tailored on demand anti-coagulant dosing: An in vitro and in vivo evaluation of 3D printed purpose-designed oral dosage forms. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 128, 282-289.	2.0	80
15	Nebulizable colloidal nanoparticles co-encapsulating a COX-2 inhibitor and a herbal compound for treatment of lung cancer. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 103, 1-12.	2.0	69
16	Embedded 3D Printing of Novel Bespoke Soft Dosage Form Concept for Pediatrics. <i>Pharmaceutics</i> , 2019, 11, 630.	2.0	67
17	Anti-glioma activity and the mechanism of cellular uptake of asiatic acid-loaded solid lipid nanoparticles. <i>International Journal of Pharmaceutics</i> , 2016, 500, 305-315.	2.6	58
18	Proliposome powders prepared using a slurry method for the generation of beclometasone dipropionate liposomes. <i>International Journal of Pharmaceutics</i> , 2015, 496, 342-350.	2.6	43

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19	Additive Manufacturing of a Point-of-Care Polypill: Fabrication of Concept Capsules of Complex Geometry with Bespoke Release against Cardiovascular Disease. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000236.	3.9	43
20	Fabrication and in vivo evaluation of highly pH-responsive acrylic microparticles for targeted gastrointestinal delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 37, 284-290.	1.9	42
21	Nebulization of ultradeformable liposomes: The influence of aerosolization mechanism and formulation excipients. <i>International Journal of Pharmaceutics</i> , 2012, 436, 519-526.	2.6	40
22	The effects of suspension particle size on the performance of air-jet, ultrasonic and vibrating-mesh nebulisers. <i>International Journal of Pharmaceutics</i> , 2014, 461, 234-241.	2.6	39
23	RGD-decorated solid lipid nanoparticles enhance tumor targeting, penetration and anticancer effect of asiatic acid. <i>Nanomedicine</i> , 2020, 15, 1567-1583.	1.7	35
24	Controlling drug release with additive manufacturing-based solutions. <i>Advanced Drug Delivery Reviews</i> , 2021, 174, 369-386.	6.6	33
25	A comprehensive production method of self-cryoprotected nano-liposome powders. <i>International Journal of Pharmaceutics</i> , 2015, 486, 153-158.	2.6	32
26	Temperature and solvent facilitated extrusion based 3D printing for pharmaceuticals. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 152, 105430.	1.9	32
27	Encapsulation of poorly soluble basic drugs into enteric microparticles: A novel approach to enhance their oral bioavailability. <i>International Journal of Pharmaceutics</i> , 2011, 416, 55-60.	2.6	31
28	Gastro-resistant characteristics of GRAS-grade enteric coatings for pharmaceutical and nutraceutical products. <i>International Journal of Pharmaceutics</i> , 2015, 486, 167-174.	2.6	31
29	Spray-drying enteric polymers from aqueous solutions: A novel, economic, and environmentally friendly approach to produce pH-responsive microparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 79, 432-439.	2.0	30
30	Solvent-free temperature-facilitated direct extrusion 3D printing for pharmaceuticals. <i>International Journal of Pharmaceutics</i> , 2021, 598, 120305.	2.6	28
31	Engineering polymer blend microparticles: An investigation into the influence of polymer blend distribution and interaction. <i>European Journal of Pharmaceutical Sciences</i> , 2011, 42, 30-36.	1.9	26
32	Inhibiting the Gastric Burst Release of Drugs from Enteric Microparticles: The Influence of Drug Molecular Mass and Solubility. <i>Journal of Pharmaceutical Sciences</i> , 2010, 99, 4576-4583.	1.6	20
33	Ethanol-based proliposome delivery systems of paclitaxel for in vitro application against brain cancer cells. <i>Journal of Liposome Research</i> , 2018, 28, 74-85.	1.5	20
34	A simple approach to predict the stability of phospholipid vesicles to nebulization without performing aerosolization studies. <i>International Journal of Pharmaceutics</i> , 2016, 502, 18-27.	2.6	19
35	Proliposome tablets manufactured using a slurry-driven lipid-enriched powders: Development, characterization and stability evaluation. <i>International Journal of Pharmaceutics</i> , 2018, 538, 250-262.	2.6	19
36	Proliposome Powders for the Generation of Liposomes: the Influence of Carbohydrate Carrier and Separation Conditions on Crystallinity and Entrapment of a Model Antiasthma Steroid. <i>AAPS PharmSciTech</i> , 2018, 19, 262-274.	1.5	17

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37	In-Process Crystallization of Acidic Drugs in Acrylic Microparticle Systems: Influence of Physical Factors and Drug-Polymer Interactions. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 3284-3293.	1.6	16
38	Can filaments be stored as a shelf-item for on-demand manufacturing of oral 3D printed tablets? An initial stability assessment. <i>International Journal of Pharmaceutics</i> , 2021, 600, 120442.	2.6	16
39	A novel natural GRAS-grade enteric coating for pharmaceutical and nutraceutical products. <i>International Journal of Pharmaceutics</i> , 2020, 584, 119392.	2.6	15
40	Drug distribution in enteric microparticles. <i>International Journal of Pharmaceutics</i> , 2009, 379, 1-8.	2.6	14
41	An innovative wax-based enteric coating for pharmaceutical and nutraceutical oral products. <i>International Journal of Pharmaceutics</i> , 2020, 591, 119935.	2.6	12
42	Creating Acceptable Tablets 3D (CAT 3D): A Feasibility Study to Evaluate the Acceptability of 3D Printed Tablets in Children and Young People. <i>Pharmaceutics</i> , 2022, 14, 516.	2.0	12
43	Instrumentation of Flow-Through USP IV Dissolution Apparatus to Assess Poorly Soluble Basic Drug Products: a Technical Note. <i>AAPS PharmSciTech</i> , 2016, 17, 1261-1266.	1.5	10
44	Simultaneous pulmonary administration of celecoxib and naringin using a nebulization-friendly nanoemulsion: A device-targeted delivery for treatment of lung cancer. <i>Expert Opinion on Drug Delivery</i> , 2022, 19, 611-622.	2.4	10
45	Needleless administration of advanced therapies into the skin via the appendages using a hypobaric patch. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2120340119.	3.3	10
46	Impact of nanosizing on the formation and characteristics of polymethacrylate films: micro- versus nano-suspensions. <i>Pharmaceutical Development and Technology</i> , 2021, 26, 729-739.	1.1	4
47	Nanocoatings in medicine. , 2015, , 418-443.		2
48	Studies of the precipitation pattern of paclitaxel in intravenous infusions and rat plasma using laser nephelometry. <i>Pharmaceutical Development and Technology</i> , 2018, 23, 67-75.	1.1	2
49	The potential of nanotherapeutics to target brain tumors: current challenges and future opportunities. <i>Nanomedicine</i> , 2021, 16, 1833-1837.	1.7	2
50	A Novel Multilayer Natural Coating for Fed-State Gastric Protection. <i>Pharmaceutics</i> , 2022, 14, 283.	2.0	1