Abdul W Basit

List of Publications by Year
in descending order

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210 papers	18,395 citations	9264 74 h-index	14208 128 g-index
216 all docs	216 docs citations	216 times ranked	10830 citing authors

#	Article	IF	Citations
1	The gastrointestinal microbiota as a site for the biotransformation of drugs. International Journal of Pharmaceutics, 2008, 363, 1-25.	5.2	533
2	Effect of geometry on drug release from 3D printed tablets. International Journal of Pharmaceutics, 2015, 494, 657-663.	5.2	523
3	Measurements of rat and mouse gastrointestinal pH, fluid and lymphoid tissue, and implications for in-vivo experiments. Journal of Pharmacy and Pharmacology, 2010, 60, 63-70.	2.4	481
4	3D printing of modified-release aminosalicylate (4-ASA and 5-ASA) tablets. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 89, 157-162.	4.3	464
5	Fused-filament 3D printing (3DP) for fabrication of tablets. International Journal of Pharmaceutics, 2014, 476, 88-92.	5.2	453
6	Stereolithographic (SLA) 3D printing of oral modified-release dosage forms. International Journal of Pharmaceutics, 2016, 503, 207-212.	5.2	405
7	3D Printing of Medicines: Engineering Novel Oral Devices with Unique Design and Drug Release Characteristics. Molecular Pharmaceutics, 2015, 12, 4077-4084.	4.6	398
8	Gut instincts: Explorations in intestinal physiology and drug delivery. International Journal of Pharmaceutics, 2008, 364, 213-226.	5.2	394
9	Selective laser sintering (SLS) 3D printing of medicines. International Journal of Pharmaceutics, 2017, 529, 285-293.	5.2	378
10	3D scanning and 3D printing as innovative technologies for fabricating personalized topical drug delivery systems. Journal of Controlled Release, 2016, 234, 41-48.	9.9	355
11	3D Printing Pharmaceuticals: Drug Development to Frontline Care. Trends in Pharmacological Sciences, 2018, 39, 440-451.	8.7	336
12	Development of modified release 3D printed tablets (printlets) with pharmaceutical excipients using additive manufacturing. International Journal of Pharmaceutics, 2017, 527, 21-30.	5.2	274
13	Fabrication of controlled-release budesonide tablets via desktop (FDM) 3D printing. International Journal of Pharmaceutics, 2015, 496, 414-420.	5.2	272
14	Low temperature fused deposition modeling (FDM) 3D printing of thermolabile drugs. International Journal of Pharmaceutics, 2018, 545, 144-152.	5.2	242
15	Patient-specific 3D scanned and 3D printed antimicrobial polycaprolactone wound dressings. International Journal of Pharmaceutics, 2017, 527, 161-170.	5.2	236
16	3D Printing of a Multi-Layered Polypill Containing Six Drugs Using a Novel Stereolithographic Method. Pharmaceutics, 2019, 11, 274.	4.5	233
17	The mechanisms of pharmacokinetic food-drug interactions â€“ A perspective from the UNGAP group. European Journal of Pharmaceutical Sciences, 2019, 134, 31-59.	4.0	224
18	Fabricating 3D printed orally disintegrating printlets using selective laser sintering. International Journal of Pharmaceutics, 2018, 541, 101-107.	5.2	216

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19	3D printing: Principles and pharmaceutical applications of selective laser sintering. International Journal of Pharmaceutics, 2020, 586, 119594.	5.2	209
20	Personalised dosing: Printing a dose of oneâ€™s own medicine. International Journal of Pharmaceutics, 2015, 494, 568-577.	5.2	199
21	Fabrication of drug-loaded hydrogels with stereolithographic 3D printing. International Journal of Pharmaceutics, 2017, 532, 313-317.	5.2	199
22	3D printing of drug-loaded gyroid lattices using selective laser sintering. International Journal of Pharmaceutics, 2018, 547, 44-52.	5.2	196
23	Fused-filament 3D printing of drug products: Microstructure analysis and drug release characteristics of PVA-based caplets. International Journal of Pharmaceutics, 2016, 514, 290-295.	5.2	192
24	Shaping the future: recent advances of 3D printing in drug delivery and healthcare. Expert Opinion on Drug Delivery, 2019, 16, 1081-1094.	5.0	189
25	Vat photopolymerization 3D printing for advanced drug delivery and medical device applications. Journal of Controlled Release, 2021, 329, 743-757.	9.9	189
26	Interplay Between Intestinal pH, Transit Time and Feed Status on the In Vivo Performance of pH Responsive Ileo-Colonic Release Systems. Pharmaceutical Research, 2008, 25, 1828-1835.	3.5	188
27	Reshaping drug development using 3D printing. Drug Discovery Today, 2018, 23, 1547-1555.	6.4	187
28	Toward Oral Delivery of Biopharmaceuticals: An Assessment of the Gastrointestinal Stability of 17 Peptide Drugs. Molecular Pharmaceutics, 2015, 12, 966-973.	4.6	184
29	3D printed medicines: A new branch of digital healthcare. International Journal of Pharmaceutics, 2018, 548, 586-596.	5.2	184
30	Patient acceptability of 3D printed medicines. International Journal of Pharmaceutics, 2017, 530, 71-78.	5.2	178
31	Advances in Colonic Drug Delivery. Drugs, 2005, 65, 1991-2007.	10.9	177
32	Direct powder extrusion 3D printing: Fabrication of drug products using a novel single-step process. International Journal of Pharmaceutics, 2019, 567, 118471.	5.2	176
33	Automated therapy preparation of isoleucine formulations using 3D printing for the treatment of MSUD: First single-centre, prospective, crossover study in patients. International Journal of Pharmaceutics, 2019, 567, 118497.	5.2	171
34	Preparation of Personalized-dose Salbutamol Sulphate Oral Films with Thermal Ink-Jet Printing. Pharmaceutical Research, 2011, 28, 2386-2392.	3.5	168
35	3D Printed Pellets (Miniprintlets): A Novel, Multi-Drug, Controlled Release Platform Technology. Pharmaceutics, 2019, 11, 148.	4.5	159
36	Semi-solid extrusion 3D printing in drug delivery and biomedicine: Personalised solutions for healthcare challenges. Journal of Controlled Release, 2021, 332, 367-389.	9.9	157

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37	Animal Farm: Considerations in Animal Gastrointestinal Physiology and Relevance to Drug Delivery in Humans. Journal of Pharmaceutical Sciences, 2015, 104, 2747-2776.	3.3	152
38	An Overview of 3D Printing Technologies for Soft Materials and Potential Opportunities for Lipid-based Drug Delivery Systems. Pharmaceutical Research, 2019, 36, 4.	3.5	151
39	Translating 3D printed pharmaceuticals: From hype to real-world clinical applications. Advanced Drug Delivery Reviews, 2021, 174, 553-575.	13.7	149
40	Does sex matter? The influence of gender on gastrointestinal physiology and drug delivery. International Journal of Pharmaceutics, 2011, 415, 15-28.	5.2	147
41	Impact of gastrointestinal physiology on drug absorption in special populationsâ€“â€“An UNGAP review. European Journal of Pharmaceutical Sciences, 2020, 147, 105280.	4.0	142
42	Inflammatory bowel disease: exploring gut pathophysiology for novel therapeutic targets. Translational Research, 2016, 176, 38-68.	5.0	140
43	Influence of Geometry on the Drug Release Profiles of Stereolithographic (SLA) 3D-Printed Tablets. AAPS PharmSciTech, 2018, 19, 3355-3361.	3.3	140
44	Impact of gastrointestinal tract variability on oral drug absorption and pharmacokinetics: An UNGAP review. European Journal of Pharmaceutical Sciences, 2021, 162, 105812.	4.0	137
45	Assessment of gastrointestinal pH, fluid and lymphoid tissue in the guinea pig, rabbit and pig, and implications for their use in drug development. European Journal of Pharmaceutical Sciences, 2011, 42, 3-10.	4.0	131
46	M3DISEEN: A novel machine learning approach for predicting the 3D printability of medicines. International Journal of Pharmaceutics, 2020, 590, 119837.	5.2	131
47	A slippery slope: On the origin, role and physiology of mucus. Advanced Drug Delivery Reviews, 2018, 124, 16-33.	13.7	130
48	Selective Laser Sintering 3D Printing of Orally Disintegrating Printlets Containing Ondansetron. Pharmaceutics, 2020, 12, 110.	4.5	125
49	An in vivo comparison of intestinal pH and bacteria as physiological trigger mechanisms for colonic targeting in man. Journal of Controlled Release, 2008, 130, 154-160.	9.9	122
50	A comparative in vitro assessment of the drug release performance of pH-responsive polymers for ileo-colonic delivery. International Journal of Pharmaceutics, 2006, 308, 52-60.	5.2	119
51	3D printed drug products: Non-destructive dose verification using a rapid point-and-shoot approach. International Journal of Pharmaceutics, 2018, 549, 283-292.	5.2	119
52	Advances in powder bed fusion 3D printing in drug delivery and healthcare. Advanced Drug Delivery Reviews, 2021, 174, 406-424.	13.7	119
53	Connected healthcare: Improving patient care using digital health technologies. Advanced Drug Delivery Reviews, 2021, 178, 113958.	13.7	110
54	Oral peptide and protein delivery: intestinal obstacles and commercial prospects. Expert Opinion on Drug Delivery, 2014, 11, 1323-1335.	5.0	106

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55	3D Printed Tablets (Printlets) with Braille and Moon Patterns for Visually Impaired Patients. Pharmaceutics, 2020, 12, 172.	4.5	106
56	Evolution of a physiological pH6.8 bicarbonate buffer system: Application to the dissolution testing of enteric coated products. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 78, 151-157.	4.3	101
57	The effect of polyethylene glycol 400 on gastrointestinal transit: implications for the formulation of poorly-water soluble drugs. Pharmaceutical Research, 2001, 18, 1146-1150.	3.5	98
58	Targeted delivery of probiotics to enhance gastrointestinal stability and intestinal colonisation. International Journal of Pharmaceutics, 2017, 530, 224-229.	5.2	97
59	Oral modified-release formulations in motion: The relationship between gastrointestinal transit and drug absorption. International Journal of Pharmaceutics, 2010, 395, 26-36.	5.2	93
60	Physiological bicarbonate buffers: stabilisation and use as dissolution media for modified release systems. International Journal of Pharmaceutics, 2009, 382, 56-60.	5.2	92
61	Stereolithography (SLA) 3D printing of an antihypertensive polyprintlet: Case study of an unexpected photopolymer-drug reaction. Additive Manufacturing, 2020, 33, 101071.	3.0	91
62	Colonic metabolism of ranitidine: implications for its delivery and absorption. International Journal of Pharmaceutics, 2001, 227, 157-165.	5.2	90
63	Machine learning predicts 3D printing performance of over 900 drug delivery systems. Journal of Controlled Release, 2021, 337, 530-545.	9.9	89
64	An Investigation into the In Vivo Performance Variability of pH Responsive Polymers for Ileo-Colonic Drug Delivery Using Gamma Scintigraphy in Humans. Journal of Pharmaceutical Sciences, 2006, 95, 2760-2766.	3.3	88
65	On the Colonic Bacterial Metabolism of Azo-Bonded Prodrugsof 5-Aminosalicylic Acid. Journal of Pharmaceutical Sciences, 2014, 103, 3171-3175.	3.3	87
66	Track-and-trace: Novel anti-counterfeit measures for 3D printed personalized drug products using smart material inks. International Journal of Pharmaceutics, 2019, 567, 118443.	5.2	86
67	Meal-Induced Acceleration of Tablet Transit Through the Human Small Intestine. Pharmaceutical Research, 2009, 26, 356-360.	3.5	85
68	I Spy with My Little Eye: A Paediatric Visual Preferences Survey of 3D Printed Tablets. Pharmaceutics, 2020, 12, 1100.	4.5	84
69	Stereolithography (SLA) 3D printing of a bladder device for intravesical drug delivery. Materials Science and Engineering C, 2021, 120, 111773.	7.3	83
70	Harnessing artificial intelligence for the next generation of 3D printed medicines. Advanced Drug Delivery Reviews, 2021, 175, 113805.	13.7	83
71	A four-strain probiotic exerts positive immunomodulatory effects by enhancing colonic butyrate production in vitro. International Journal of Pharmaceutics, 2019, 555, 1-10.	5.2	81
72	An Investigation into the Digestion of Chitosan (Noncrosslinked and Crosslinked) by Human Colonic Bacteria. Journal of Pharmaceutical Sciences, 2008, 97, 3820-3829.	3.3	80

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73	Non-destructive dose verification of two drugs within 3D printed polyprintlets. International Journal of Pharmaceutics, 2020, 577, 119066.	5.2	79
74	Colonic treatments and targets: issues and opportunities. Journal of Drug Targeting, 2009, 17, 335-363.	4.4	78
75	PET/CT imaging of 3D printed devices in the gastrointestinal tract of rodents. International Journal of Pharmaceutics, 2018, 536, 158-164.	5.2	78
76	A Proof of Concept for 3D Printing of Solid Lipid-Based Formulations of Poorly Water-Soluble Drugs to Control Formulation Dispersion Kinetics. Pharmaceutical Research, 2019, 36, 102.	3.5	78
77	3D printed opioid medicines with alcohol-resistant and abuse-deterrent properties. International Journal of Pharmaceutics, 2020, 579, 119169.	5.2	78
78	Advanced machine-learning techniques in drug discovery. Drug Discovery Today, 2021, 26, 769-777.	6.4	78
79	3D printed tacrolimus suppositories for the treatment of ulcerative colitis. Asian Journal of Pharmaceutical Sciences, 2021, 16, 110-119.	9.1	77
80	3D printing tablets: Predicting printability and drug dissolution from rheological data. International Journal of Pharmaceutics, 2020, 590, 119868.	5.2	75
81	Polyethylene Glycol 400 Enhances the Bioavailability of a BCS Class III Drug (Ranitidine) in Male Subjects but Not Females. Pharmaceutical Research, 2008, 25, 2327-2333.	3.5	74
82	Letâ€™s talk about sex: Differences in drug therapy in males and females. Advanced Drug Delivery Reviews, 2021, 175, 113804.	13.7	74
83	Susceptibility of the H2-receptor antagonists cimetidine, famotidine and nizatidine, to metabolism by the gastrointestinal microflora. International Journal of Pharmaceutics, 2002, 237, 23-33.	5.2	72
84	The use of formulation technology to assess regional gastrointestinal drug absorption in humans. European Journal of Pharmaceutical Sciences, 2004, 21, 179-189.	4.0	72
85	Influence of polyethylene glycol 400 on the gastrointestinal absorption of ranitidine. Pharmaceutical Research, 2002, 19, 1368-1374.	3.5	71
86	Gastrointestinal release behaviour of modified-release drug products: Dynamic dissolution testing of mesalazine formulations. International Journal of Pharmaceutics, 2015, 484, 103-108.	5.2	71
87	Age-mediated changes in the gastrointestinal tract. International Journal of Pharmaceutics, 2016, 512, 382-395.	5.2	71
88	Personalisation of warfarin therapy using thermal ink-jet printing. European Journal of Pharmaceutical Sciences, 2018, 117, 80-87.	4.0	71
89	A decrease in iron availability to human gut microbiome reduces the growth of potentially pathogenic gut bacteria; an in vitro colonic fermentation study. Journal of Nutritional Biochemistry, 2019, 67, 20-27.	4.2	70
90	Concentration-Dependent Effects of Polyethylene Glycol 400 on Gastrointestinal Transit and Drug Absorption. Pharmaceutical Research, 2003, 20, 1984-1988.	3.5	69

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91	Mucoadhesion and the Gastrointestinal Tract. Critical Reviews in Therapeutic Drug Carrier Systems, 2008, 25, 207-258.	2.2	66
92	A novel concept in enteric coating: A double-coating system providing rapid drug release in the proximal small intestine. Journal of Controlled Release, 2009, 133, 119-124.	9.9	65
93	Printing T3 and T4 oral drug combinations as a novel strategy for hypothyroidism. International Journal of Pharmaceutics, 2018, 549, 363-369.	5.2	64
94	Nanoencapsulation for Probiotic Delivery. ACS Nano, 2021, 15, 18653-18660.	14.6	64
95	Mucus thickness in the gastrointestinal tract of laboratory animals. Journal of Pharmacy and Pharmacology, 2012, 64, 218-227.	2.4	62
96	Disrupting 3D printing of medicines with machine learning. Trends in Pharmacological Sciences, 2021, 42, 745-757.	8.7	62
97	The properties of amyloseâ€“ethylcellulose films cast from organic-based solvents as potential coatings for colonic drug delivery. European Journal of Pharmaceutical Sciences, 2000, 11, 133-139.	4.0	61
98	Amylose formulations for drug delivery to the colon: a comparison of two fermentation models to assess colonic targeting performance in vitro. International Journal of Pharmaceutics, 2004, 273, 129-134.	5.2	61
99	Simple and universal HPLC-UV method to determine cimetidine, ranitidine, famotidine and nizatidine in urine: Application to the analysis of ranitidine and its metabolites in human volunteers. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 860, 235-240.	2.3	61
100	An investigation into the role of mucus thickness on mucoadhesion in the gastrointestinal tract of pig. European Journal of Pharmaceutical Sciences, 2010, 40, 335-341.	4.0	61
101	Solid lipid nanoparticles loaded with lipoylâ€“memantine codrug: Preparation and characterization. International Journal of Pharmaceutics, 2015, 485, 183-191.	5.2	60
102	Anti-biofilm multi drug-loaded 3D printed hearing aids. Materials Science and Engineering C, 2021, 119, 111606.	7.3	59
103	A dual pH and microbiota-triggered coating (Phloralâ„¢) for fail-safe colonic drug release. International Journal of Pharmaceutics, 2020, 583, 119379.	5.2	58
104	Additive Manufacturable Materials for Electrochemical Biosensor Electrodes. Advanced Functional Materials, 2021, 31, 2006407.	14.9	58
105	Exploiting gastrointestinal bacteria to target drugs to the colon: An in vitro study using amylose coated tablets. International Journal of Pharmaceutics, 2005, 300, 89-94.	5.2	57
106	Colonic bacterial metabolism of corticosteroids. International Journal of Pharmaceutics, 2013, 457, 268-274.	5.2	51
107	A 4-strain probiotic supplement influences gut microbiota composition and gut wall function in patients with ulcerative colitis. International Journal of Pharmaceutics, 2020, 587, 119648.	5.2	51
108	Clinical translation of advanced colonic drug delivery technologies. Advanced Drug Delivery Reviews, 2022, 181, 114076.	13.7	51

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109	Formulation of Ranitidine Pellets by Extrusion-Spheronization with Little or No Microcrystalline Cellulose. Pharmaceutical Development and Technology, 1999, 4, 499-505.	2.4	50
110	All disease begins in the gut: Influence of gastrointestinal disorders and surgery on oral drug performance. International Journal of Pharmaceutics, 2018, 548, 408-422.	5.2	49
111	Fecal Microbiota Transplantation Capsules with Targeted Colonic Versus Gastric Delivery in Recurrent Clostridium difficile Infection: A Comparative Cohort Analysis of High and Lose Dose. Digestive Diseases and Sciences, 2019, 64, 1672-1678.	2.3	48
112	Harnessing machine learning for development of microbiome therapeutics. Gut Microbes, 2021, 13, 1-20.	9.8	47
113	The potential of organic-based amylose-ethylcellulose film coatings as oral colon-specific drug delivery systems. AAPS PharmSciTech, 2000, 1, 53-61.	3.3	46
114	OPTICOREâ„¢, an innovative and accurate colonic targeting technology. International Journal of Pharmaceutics, 2020, 583, 119372.	5.2	46
115	A paradigm shift in enteric coating: Achieving rapid release in the proximal small intestine of man. Journal of Controlled Release, 2010, 147, 242-245.	9.9	45
116	Stability of peptide drugs in the colon. European Journal of Pharmaceutical Sciences, 2015, 78, 31-36.	4.0	45
117	Advancing pharmacy and healthcare with virtual digital technologies. Advanced Drug Delivery Reviews, 2022, 182, 114098.	13.7	45
118	Excipient effects on gastrointestinal transit and drug absorption in beagle dogs. International Journal of Pharmaceutics, 2005, 300, 67-75.	5.2	44
119	3D Printed Tacrolimus Rectal Formulations Ameliorate Colitis in an Experimental Animal Model of Inflammatory Bowel Disease. Biomedicines, 2020, 8, 563.	3.2	43
120	Fabrication and in vivo evaluation of highly pH-responsive acrylic microparticles for targeted gastrointestinal delivery. European Journal of Pharmaceutical Sciences, 2009, 37, 284-290.	4.0	42
121	Predicting the gastrointestinal behaviour of modified-release products: Utility of a novel dynamic dissolution test apparatus involving the use of bicarbonate buffers. International Journal of Pharmaceutics, 2014, 475, 585-591.	5.2	42
122	Gut reaction: impact of systemic diseases on gastrointestinal physiology and drug absorption. Drug Discovery Today, 2019, 24, 417-427.	6.4	42
123	Gastrointestinal stability of therapeutic anti-TNF Î± IgG1 monoclonal antibodies. International Journal of Pharmaceutics, 2016, 502, 181-187.	5.2	41
124	3D Printing of Tunable Zero-Order Release Printlets. Polymers, 2020, 12, 1769.	4.5	40
125	Electrochemical biosensors: a nexus for precision medicine. Drug Discovery Today, 2021, 26, 69-79.	6.4	40
126	Direct Powder Extrusion 3D Printing of Praziquantel to Overcome Neglected Disease Formulation Challenges in Paediatric Populations. Pharmaceutics, 2021, 13, 1114.	4.5	40

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127	Predicting drug-microbiome interactions with machine learning. Biotechnology Advances, 2022, 54, 107797.	11.7	39
128	Smartphone-enabled 3D printing of medicines. International Journal of Pharmaceutics, 2021, 609, 121199.	5.2	39
129	A novel double-coating approach for improved pH-triggered delivery to the ileo-colonic region of the gastrointestinal tract. European Journal of Pharmaceutics and Biopharmaceutics, 2010, 74, 311-315.	4.3	38
130	Mucoadhesive platforms for targeted delivery to the colon. International Journal of Pharmaceutics, 2011, 420, 11-19.	5.2	36
131	3D Printed Punctal Plugs for Controlled Ocular Drug Delivery. Pharmaceutics, 2021, 13, 1421.	4.5	35
132	Colonic drug delivery using amylose films: the role of aqueous ethylcellulose dispersions in controlling drug release. Cellulose, 2006, 14, 25-34.	4.9	33
133	Sex differences in the gastrointestinal tract of rats and the implications for oral drug delivery. European Journal of Pharmaceutical Sciences, 2018, 115, 339-344.	4.0	32
134	Microbiota-triggered colonic delivery: Robustness of the polysaccharide approach in the fed state in man. Journal of Drug Targeting, 2009, 17, 64-71.	4.4	31
135	The effect of polyoxyethylene polymers on the transport of ranitidine in Caco-2 cell monolayers. International Journal of Pharmaceutics, 2011, 409, 164-168.	5.2	31
136	Spray-drying enteric polymers from aqueous solutions: A novel, economic, and environmentally friendly approach to produce pH-responsive microparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 79, 432-439.	4.3	30
137	In vitro inhibition of Clostridium difficile by commercial probiotics: A microcalorimetric study. International Journal of Pharmaceutics, 2017, 517, 96-103.	5.2	30
138	Optical biosensors - Illuminating the path to personalized drug dosing. Biosensors and Bioelectronics, 2021, 188, 113331.	10.1	30
139	Binder Jet Printing in Pharmaceutical Manufacturing. AAPS Advances in the Pharmaceutical Sciences Series, 2018, , 41-54.	0.6	30
140	The Role of Semi-Solid Extrusion Printing in Clinical Practice. AAPS Advances in the Pharmaceutical Sciences Series, 2018, , 133-151.	0.6	30
141	Prediction of Solid-State Form of SLS 3D Printed Medicines Using NIR and Raman Spectroscopy. Pharmaceutics, 2022, 14, 589.	4.5	30
142	Quantification of P-Glycoprotein in the Gastrointestinal Tract of Humans and Rodents: Methodology, Gut Region, Sex, and Species Matter. Molecular Pharmaceutics, 2021, 18, 1895-1904.	4.6	29
143	An investigation into moisture barrier film coating efficacy and its relevance to drug stability in solid dosage forms. International Journal of Pharmaceutics, 2016, 497, 70-77.	5.2	28
144	Colonic antigen administration induces significantly higher humoral levels of colonic and vaginal IgA, and serum IgG compared to oral administration. Vaccine, 2008, 26, 639-646.	3.8	27

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145	Accelerating the dissolution of enteric coatings in the upper small intestine: Evolution of a novel pH 5.6 bicarbonate buffer system to assess drug release. International Journal of Pharmaceutics, 2014, 468, 172-177.	5.2	27
146	The History, Developments and OpportunitiesÂof Stereolithography. AAPS Advances in the Pharmaceutical Sciences Series, 2018, , 55-79.	0.6	27
147	Machine Learning Uncovers Adverse Drug Effects on Intestinal Bacteria. Pharmaceutics, 2021, 13, 1026.	4.5	26
148	SEM/EDX and confocal microscopy analysis of novel and conventional enteric-coated systems. International Journal of Pharmaceutics, 2009, 369, 72-78.	5.2	25
149	The potential of Streptococcus salivarius oral films in the management of dental caries: An inkjet printing approach. International Journal of Pharmaceutics, 2020, 591, 119962.	5.2	25
150	Fabrication and Characterization of Fast-Dissolving Films Containing Escitalopram/Quetiapine for the Treatment of Major Depressive Disorder. Pharmaceutics, 2021, 13, 891.	4.5	24
151	The Hygroscopicity of Moisture Barrier Film Coatings. Drug Development and Industrial Pharmacy, 2005, 31, 959-968.	2.0	23
152	Inter-subject variability in intestinal drug solubility. International Journal of Pharmaceutics, 2015, 485, 229-234.	5.2	22
153	Layered gadolinium hydroxides for simultaneous drug delivery and imaging. Dalton Transactions, 2018, 47, 3166-3177.	3.3	22
154	A dynamic inÂvitro model to evaluate the intestinal release behaviour of modified-release corticosteroid products. Journal of Drug Delivery Science and Technology, 2015, 25, 36-42.	3.0	21
155	An animal's sex influences the effects of the excipient PEG 400 on the intestinal P-gp protein and mRNA levels, which has implications for oral drug absorption. European Journal of Pharmaceutical Sciences, 2018, 120, 53-60.	4.0	21
156	Powder Bed Fusion: The Working Process, Current Applications and Opportunities. AAPS Advances in the Pharmaceutical Sciences Series, 2018, , 81-105.	0.6	21
157	Machine Learning and Machine Vision Accelerate 3D Printed Orodispersible Film Development. Pharmaceutics, 2021, 13, 2187.	4.5	21
158	Moisture Sorption and Permeability Characteristics of Polymer Films: Implications for Their Use as Barrier Coatings for Solid Dosage Forms Containing Hydrolyzable Drug Substances. Journal of Pharmaceutical Sciences, 2008, 97, 4433-4445.	3.3	20
159	Boosting drug bioavailability in men but not women through the action of an excipient. International Journal of Pharmaceutics, 2020, 587, 119678.	5.2	20
160	Progestogens Are Metabolized by the Gut Microbiota: Implications for Colonic Drug Delivery. Pharmaceutics, 2020, 12, 760.	4.5	20
161	Gastrointestinal Tracking and Gastric Emptying of Coated Capsules in Rats with or without Sedation Using CT imaging. Pharmaceutics, 2020, 12, 81.	4.5	20
162	Bitter-blockers as a taste masking strategy: A systematic review towards their utility in pharmaceuticals. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 158, 35-51.	4.3	20

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163	3D Printing Technologies, Implementation and Regulation: An Overview. AAPS Advances in the Pharmaceutical Sciences Series, 2018, , 21-40.	0.6	20
164	Volumetric 3D printing for rapid production of medicines. Additive Manufacturing, 2022, 52, 102673.	3.0	20
165	Effect of Food and an Animalâ€™s Sex on P-Glycoprotein Expression and Luminal Fluids in the Gastrointestinal Tract of Wistar Rats. Pharmaceutics, 2020, 12, 296.	4.5	19
166	Influence of probiotic bacteria on gut microbiota composition and gut wall function in an in-vitro model in patients with Parkinson's disease. International Journal of Pharmaceutics: X, 2021, 3, 100087.	1.6	19
167	Microwave synthesis and in vitro stability of diclofenac-Î²-cyclodextrin conjugate for colon delivery. Carbohydrate Polymers, 2013, 93, 512-517.	10.2	18
168	Influence of ageing on the gastrointestinal environment of the rat and its implications for drug delivery. European Journal of Pharmaceutical Sciences, 2014, 62, 76-85.	4.0	18
169	Sex-Dependence in the Effect of Pharmaceutical Excipients: Polyoxyethylated Solubilising Excipients Increase Oral Drug Bioavailability in Male but Not Female Rats. Pharmaceutics, 2019, 11, 228.	4.5	18
170	The Shape of Things to Come: Emerging Applications of 3D Printing in Healthcare. AAPS Advances in the Pharmaceutical Sciences Series, 2018, , 1-19.	0.6	18
171	Fused Deposition Modelling: Advances in Engineering and Medicine. AAPS Advances in the Pharmaceutical Sciences Series, 2018, , 107-132.	0.6	18
172	Machine Learning Predicts Drug Metabolism and Bioaccumulation by Intestinal Microbiota. Pharmaceutics, 2021, 13, 2001.	4.5	17
173	Impact of formulation excipients on human intestinal transit. Journal of Pharmacy and Pharmacology, 2010, 58, 821-825.	2.4	16
174	In-Process Crystallization of Acidic Drugs in Acrylic Microparticle Systems: Influence of Physical Factors and Drugâ€“Polymer Interactions. Journal of Pharmaceutical Sciences, 2011, 100, 3284-3293.	3.3	16
175	A New Method for Producing Pharmaceutical Co-crystals: Laser Irradiation of Powder Blends. Crystal Growth and Design, 2016, 16, 3307-3312.	3.0	16
176	P-glycoprotein expression in the gastrointestinal tract of male and female rats is influenced differently by food. European Journal of Pharmaceutical Sciences, 2018, 123, 569-575.	4.0	16
177	Release of Prednisolone and Inulin from a New Calcium-Alginate Chitosan-Coated Matrix System for Colonic Delivery. Journal of Pharmaceutical Sciences, 2013, 102, 2748-2759.	3.3	15
178	Solid oral dosage forms. , 2021, , 333-358.		15
179	Gastrointestinal characterisation and drug solubility determination in animals. Journal of Pharmacy and Pharmacology, 2015, 67, 630-639.	2.4	14
180	A New Dimension: 4D Printing Opportunities in Pharmaceutics. AAPS Advances in the Pharmaceutical Sciences Series, 2018, , 153-162.	0.6	14

#	Article	IF	Citations
181	Excipient-mediated alteration in drug bioavailability in the rat depends on the sex of the animal. European Journal of Pharmaceutical Sciences, 2017, 107, 249-255.	4.0	13
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