

# Werner Weitschies

## List of Publications by Year in descending order

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225  
papers

15,361  
citations

25014

57  
h-index

19169

118  
g-index

235  
all docs

235  
docs citations

235  
times ranked

13409  
citing authors

#	ARTICLE	IF	CITATIONS
1	A standardised static <i>in vitro</i> digestion method suitable for food – an international consensus. <i>Food and Function</i> , 2014, 5, 1113-1124.	2.1	3,730
2	INFOGEST static <i>in vitro</i> simulation of gastrointestinal food digestion. <i>Nature Protocols</i> , 2019, 14, 991-1014.	5.5	1,873
3	Intestinal fluid volumes and transit of dosage forms as assessed by magnetic resonance imaging. <i>Alimentary Pharmacology and Therapeutics</i> , 2005, 22, 971-979.	1.9	522
4	Investigation of pH and Temperature Profiles in the GI Tract of Fasted Human Subjects Using the Intellicap® System. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 2855-2863.	1.6	324
5	<i>In vitro</i> models for the prediction of <i>in vivo</i> performance of oral dosage forms. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 57, 342-366.	1.9	297
6	PBPK models for the prediction of <i>in vivo</i> performance of oral dosage forms. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 57, 300-321.	1.9	263
7	<i>In vivo</i> methods for drug absorption – Comparative physiologies, model selection, correlations with <i>in vitro</i> methods (IVIVC), and applications for formulation/API/excipient characterization including food effects. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 57, 99-151.	1.9	226
8	Hepatic Uptake of the Magnetic Resonance Imaging Contrast Agent Gd-EOB-DTPA: Role of Human Organic Anion Transporters. <i>Drug Metabolism and Disposition</i> , 2010, 38, 1024-1028.	1.7	210
9	Enhancement of AC-losses of magnetic nanoparticles for heating applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 280, 358-368.	1.0	182
10	Close Approximation of Two Platelet Factor 4 Tetramers by Charge Neutralization Forms the Antigens Recognized by HIT Antibodies. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 2386-2393.	1.1	156
11	Impact of regional differences along the gastrointestinal tract of healthy adults on oral drug absorption: An UNGAP review. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 134, 153-175.	1.9	146
12	Irregular absorption profiles observed from diclofenac extended release tablets can be predicted using a dissolution test apparatus that mimics <i>in vivo</i> physical stresses. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 70, 421-428.	2.0	145
13	Assessment of different polymers and drug loads for fused deposition modeling of drug loaded implants. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 115, 84-93.	2.0	139
14	Impact of gastrointestinal tract variability on oral drug absorption and pharmacokinetics: An UNGAP review. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 162, 105812.	1.9	137
15	The effect of field parameters, nanoparticle properties and immobilization on the specific heating power in magnetic particle hyperthermia. <i>Journal of Physics Condensed Matter</i> , 2006, 18, S2935-S2949.	0.7	136
16	Determination of the binding reaction between avidin and biotin by relaxation measurements of magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 194, 62-68.	1.0	134
17	SQUID based remanence measurements for immunoassays. <i>IEEE Transactions on Applied Superconductivity</i> , 1997, 7, 3678-3681.	1.1	129
18	Intragastric pH and pressure profiles after intake of the high-caloric, high-fat meal as used for food effect studies. <i>Journal of Controlled Release</i> , 2015, 220, 71-78.	4.8	129

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19	Navigating the human gastrointestinal tract for oral drug delivery: Uncharted waters and new frontiers. <i>Advanced Drug Delivery Reviews</i> , 2016, 101, 75-88.	6.6	125
20	Visualization of Hepatic Uptake Transporter Function in Healthy Subjects by Using Gadoteric Acid-enhanced MR Imaging. <i>Radiology</i> , 2012, 264, 741-750.	3.6	123
21	Magnetic Marker Monitoring: An application of biomagnetic measurement instrumentation and principles for the determination of the gastrointestinal behavior of magnetically marked solid dosage forms. <i>Advanced Drug Delivery Reviews</i> , 2005, 57, 1210-1222.	6.6	119
22	CYP2D6 genotype and induction of intestinal drug transporters by rifampin predict presystemic clearance of carvedilol in healthy subjects. <i>Clinical Pharmacology and Therapeutics</i> , 2004, 75, 213-222.	2.3	118
23	Magnetic Marker Monitoring: High resolution real-time tracking of oral solid dosage forms in the gastrointestinal tract. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 74, 93-101.	2.0	118
24	Impact of the intragastric location of extended release tablets on food interactions. <i>Journal of Controlled Release</i> , 2005, 108, 375-385.	4.8	115
25	Immediate Release 3D-Printed Tablets Produced Via Fused Deposition Modeling of a Thermo-Sensitive Drug. <i>Pharmaceutical Research</i> , 2018, 35, 124.	1.7	115
26	Heparin-induced thrombocytopenia: A stoichiometry-based model to explain the differing immunogenicities of unfractionated heparin, low-molecular-weight heparin, and fondaparinux in different clinical settings. <i>Thrombosis Research</i> , 2008, 122, 211-220.	0.8	105
27	Bursting and spreading of liposomes on the surface of a static mercury drop electrode. <i>Electrochemistry Communications</i> , 2002, 4, 305-309.	2.3	103
28	Intestinal expression of P-glycoprotein (ABCB1), multidrug resistance associated protein 2 (ABCC2), and uridine diphosphate-glucuronosyltransferase 1A1 predicts the disposition and modulates the effects of the cholesterol absorption inhibitor ezetimibe in humans. <i>Clinical Pharmacology and Therapeutics</i> , 2006, 79, 206-217.	2.3	94
29	Development of an oral vaccine for immunisation of rainbow trout ( <i>Oncorhynchus mykiss</i> ) against viral haemorrhagic septicaemia. <i>Vaccine</i> , 2008, 26, 837-844.	1.7	92
30	Intragastric Volume Changes after Intake of a High-Caloric, High-Fat Standard Breakfast in Healthy Human Subjects Investigated by MRI. <i>Molecular Pharmaceutics</i> , 2014, 11, 1632-1639.	2.3	92
31	Oral biopharmaceutics tools – Time for a new initiative – An introduction to the IMI project OrBiTo. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 57, 292-299.	1.9	91
32	In vitro models for the prediction of in vivo performance of oral dosage forms: Recent progress from partnership through the IMI OrBiTo collaboration. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 136, 70-83.	2.0	91
33	Interindividual and intraindividual variability of fasted state gastric fluid volume and gastric emptying of water. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 127, 309-317.	2.0	86
34	Effects of non-ionic surfactants on in vitro triglyceride digestion and their susceptibility to digestion by pancreatic enzymes. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 41, 376-382.	1.9	82
35	Commonly used nonionic surfactants interact differently with the human efflux transporters ABCB1 (p-glycoprotein) and ABCC2 (MRP2). <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 76, 260-268.	2.0	81
36	Exploring gastrointestinal variables affecting drug and formulation behavior: Methodologies, challenges and opportunities. <i>International Journal of Pharmaceutics</i> , 2017, 519, 79-97.	2.6	81

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37	Determination of permeability coefficients of ophthalmic drugs through different layers of porcine, rabbit and bovine eyes. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 47, 131-138.	1.9	80
38	Magneto-relaxometry – a new binding specific detection method based on magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 252, 381-383.	1.0	76
39	Simulating the Postprandial Stomach: Physiological Considerations for Dissolution and Release Testing. <i>Molecular Pharmaceutics</i> , 2013, 10, 1610-1622.	2.3	76
40	Tumour-specific delivery of siRNA-coupled superparamagnetic iron oxide nanoparticles, targeted against PLK1, stops progression of pancreatic cancer. <i>Gut</i> , 2016, 65, 1838-1849.	6.1	71
41	Resolving the physiological conditions in bioavailability and bioequivalence studies: Comparison of fasted and fed state. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2016, 108, 214-219.	2.0	71
42	High-Resolution Monitoring of the Gastrointestinal Transit of a Magnetically Marked Capsule. <i>Journal of Pharmaceutical Sciences</i> , 1997, 86, 1218-1222.	1.6	70
43	Investigation of Brownian and Néel relaxation in magnetic fluids. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 201, 102-104.	1.0	70
44	Effects of non-ionic surfactants on cytochrome P450-mediated metabolism in vitro. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 78, 166-172.	2.0	70
45	The influence of hydroxypropyl methylcellulose (HPMC) molecular weight, concentration and effect of food on in vivo erosion behavior of HPMC matrix tablets. <i>Journal of Controlled Release</i> , 2014, 187, 50-58.	4.8	70
46	Heparin-induced thrombocytopenia – therapeutic concentrations of danaparoid, unlike fondaparinux and direct thrombin inhibitors, inhibit formation of platelet factor 4 – heparin complexes. <i>Journal of Thrombosis and Haemostasis</i> , 2008, 6, 2160-2167.	1.9	68
47	Delineation of Experimental Liver Tumors in Rabbits by a New Ultrasound Contrast Agent and Stimulated Acoustic Emission. <i>Investigative Radiology</i> , 1997, 32, 94-99.	3.5	68
48	Binding of anti-platelet factor 4/heparin antibodies depends on the thermodynamics of conformational changes in platelet factor 4. <i>Blood</i> , 2014, 124, 2442-2449.	0.6	67
49	Magnetic markers as a noninvasive tool to monitor gastrointestinal transit. <i>IEEE Transactions on Biomedical Engineering</i> , 1994, 41, 192-195.	2.5	64
50	A SQUID measurement system for immunoassays. <i>Applied Superconductivity</i> , 1999, 6, 577-583.	0.5	64
51	Magnetic nanoparticles for selective heating of magnetically labelled cells in culture: preliminary investigation. <i>Nanotechnology</i> , 2004, 15, 1027-1032.	1.3	63
52	Gastric Water Emptying under Fed State Clinical Trial Conditions Is as Fast as under Fasted Conditions. <i>Molecular Pharmaceutics</i> , 2017, 14, 4262-4271.	2.3	63
53	Comparison of dissolution profiles obtained from nifedipine extended release once a day products using different dissolution test apparatuses. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 38, 147-155.	1.9	62
54	A biorelevant dissolution stress test device – background and experiences. <i>Expert Opinion on Drug Delivery</i> , 2010, 7, 1251-1261.	2.4	62

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55	Magnetic marker monitoring of disintegrating capsules. <i>European Journal of Pharmaceutical Sciences</i> , 2001, 13, 411-416.	1.9	61
56	A dynamic system for the simulation of fasting luminal pH-gradients using hydrogen carbonate buffers for dissolution testing of ionisable compounds. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 51, 224-231.	1.9	60
57	The Talinolol Double-Peak Phenomenon Is Likely Caused by Presystemic Processing After Uptake from Gut Lumen. <i>Pharmaceutical Research</i> , 2005, 22, 728-735.	1.7	58
58	Gastric Emptying and Small Bowel Water Content after Administration of Grapefruit Juice Compared to Water and Isocaloric Solutions of Glucose and Fructose: A Four-Way Crossover MRI Pilot Study in Healthy Subjects. <i>Molecular Pharmaceutics</i> , 2018, 15, 548-559.	2.3	58
59	Evaluation of Consultation in Community Pharmacies with Mystery Shoppers. <i>Annals of Pharmacotherapy</i> , 2007, 41, 1023-1030.	0.9	57
60	Bioavailability of amoxicillin and clavulanic acid from extended release tablets depends on intragastric tablet deposition and gastric emptying. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 70, 641-648.	2.0	57
61	Development of oral taste masked diclofenac formulations using a taste sensing system. <i>International Journal of Pharmaceutics</i> , 2012, 438, 81-90.	2.6	57
62	Targeted adsorption of molecules in the colon with the novel adsorbent-based Medicinal Product, DAV132: A proof of concept study in healthy subjects. <i>Journal of Clinical Pharmacology</i> , 2015, 55, 10-16.	1.0	57
63	Magnetic nanoparticle relaxation measurement as a novel tool for in vivo diagnostics. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 252, 387-389.	1.0	56
64	Biodegradable Sirolimus-loaded Poly(lactide) Nanoparticles as Drug Delivery System for the Prevention of In-Stent Restenosis in Coronary Stent Application. <i>Journal of Biomaterials Applications</i> , 2011, 25, 851-875.	1.2	56
65	Magnetic fractionation of magnetic fluids. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 219, 219-228.	1.0	53
66	Nanoparticle Composition of a Ferrofluid and Its Effects on the Magnetic Properties. <i>Langmuir</i> , 2004, 20, 2435-2444.	1.6	52
67	Differential interaction of magnetic nanoparticles with tumor cells and peripheral blood cells. <i>Journal of Cancer Research and Clinical Oncology</i> , 2006, 132, 287-292.	1.2	50
68	In vivo imaging of drug delivery systems in the gastrointestinal tract. <i>International Journal of Pharmaceutics</i> , 2011, 417, 216-226.	2.6	50
69	Magnesium used in bioabsorbable stents controls smooth muscle cell proliferation and stimulates endothelial cells <i>in vitro</i> . <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 41-50.	1.6	50
70	Development of a bio-relevant dissolution test device simulating mechanical aspects present in the fed stomach. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 57, 250-256.	1.9	47
71	Characterisation of selected active agents regarding pKa values, solubility concentrations and pH profiles by SiriusT3. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 92, 155-170.	2.0	47
72	Assessing gastrointestinal motility and disintegration profiles of magnetic tablets by a novel magnetic imaging device and gamma scintigraphy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 74, 84-92.	2.0	45

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73	Development of a vessel-simulating flow-through cell method for the in vitro evaluation of release and distribution from drug-eluting stents. <i>Journal of Controlled Release</i> , 2008, 130, 2-8.	4.8	44
74	Oesophageal transport of solid dosage forms depends on body position, swallowing volume and pharyngeal propulsion velocity. <i>Neurogastroenterology and Motility</i> , 2004, 16, 547-556.	1.6	43
75	Determination of the Magneto-Optical Relaxation of Magnetic Nanoparticles as a Homogeneous Immunoassay. <i>Analytical Chemistry</i> , 2007, 79, 580-586.	3.2	43
76	Simulating the Postprandial Stomach: Biorelevant Test Methods for the Estimation of Intra-gastric Drug Dissolution. <i>Molecular Pharmaceutics</i> , 2013, 10, 2211-2221.	2.3	43
77	Characterization of the Intestinal and Hepatic Uptake/Efflux Transport of the Magnetic Resonance Imaging Contrast Agent Gadolinium-Ethoxylbenzyl-Diethylenetriamine-Pentaacetic Acid. <i>Investigative Radiology</i> , 2014, 49, 78-86.	3.5	43
78	Development of a dual extrusion printing technique for an acid- and thermo-labile drug. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 123, 191-198.	1.9	42
79	Characterization of the GI transit conditions in Beagle dogs with a telemetric motility capsule. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 136, 221-230.	2.0	42
80	Disposition and sterol-lowering effect of ezetimibe are influenced by single-dose coadministration of rifampin, an inhibitor of multidrug transport proteins. <i>Clinical Pharmacology and Therapeutics</i> , 2006, 80, 477-485.	2.3	41
81	An Automated System for Monitoring and Regulating the pH of Bicarbonate Buffers. <i>AAPS PharmSciTech</i> , 2013, 14, 517-522.	1.5	40
82	In Vitro and In Vivo Test Methods for the Evaluation of Gastroretentive Dosage Forms. <i>Pharmaceutics</i> , 2019, 11, 416.	2.0	39
83	Examination of drug release and distribution from drug-eluting stents with a vessel-simulating flow-through cell. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 78, 36-48.	2.0	38
84	Design, development and <i>in-vitro</i> evaluation of diclofenac taste-masked orodispersible tablet formulations. <i>Drug Development and Industrial Pharmacy</i> , 2015, 41, 540-551.	0.9	38
85	Concentration of the macrolide antibiotic tulathromycin in broncho-alveolar cells is influenced by comedication of rifampicin in foals. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2010, 381, 161-169.	1.4	36
86	Intravenous injection of gadobutrol in an epidemiological study group did not lead to a difference in relative signal intensities of certain brain structures after 5 years. <i>European Radiology</i> , 2017, 27, 772-777.	2.3	36
87	In Vitro Determination of Drug Transfer from Drug-Coated Balloons. <i>PLoS ONE</i> , 2013, 8, e83992.	1.1	35
88	Variability of Intestinal Expression of P-Glycoprotein in Healthy Volunteers as Described by Absorption of Talinolol from Four Bioequivalent Tablets. <i>Journal of Pharmaceutical Sciences</i> , 2003, 92, 604-610.	1.6	33
89	N-glycosylation of ABC transporters is associated with functional activity in sandwich-cultured rat hepatocytes. <i>European Journal of Pharmaceutical Sciences</i> , 2010, 41, 201-209.	1.9	33
90	In-vitro dissolution methods for controlled release parenterals and their applicability to drug-eluting stent testing. <i>Journal of Pharmacy and Pharmacology</i> , 2012, 64, 969-985.	1.2	33

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91	Adhesion testing of transdermal matrix patches with a probe tack test " In vitro and in vivo evaluation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 75, 399-404.	2.0	32
92	Disposition and Sterol-Lowering Effect of Ezetimibe in Multidrug Resistance-Associated Protein 2-Deficient Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 318, 1293-1299.	1.3	31
93	Polyaspartate coated magnetite nanoparticles for biomedical applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 311, 1-5.	1.0	31
94	In vitro evaluation of paclitaxel coatings for delivery via drug-coated balloons. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 96, 322-328.	2.0	31
95	Characterization of gastrointestinal transit and luminal conditions in pigs using a telemetric motility capsule. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 156, 105627.	1.9	31
96	Magnetic marker monitoring of esophageal, gastric and duodenal transit of non-disintegrating capsules. <i>Die Pharmazie</i> , 1999, 54, 426-30.	0.3	30
97	Bio-relevant dissolution testing of hard capsules prepared from different shell materials using the dynamic open flow through test apparatus. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 57, 264-272.	1.9	29
98	3D Printing of Mini Tablets for Pediatric Use. <i>Pharmaceutics</i> , 2021, 14, 143.	1.7	29
99	Gastrointestinal and Systemic Disposition of Diclofenac under Fasted and Fed State Conditions Supporting the Evaluation of <i>in Vitro</i> Predictive Tools. <i>Molecular Pharmaceutics</i> , 2017, 14, 4220-4232.	2.3	28
100	Design and characterization of a novel 3D printed pressure-controlled drug delivery system. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 140, 105060.	1.9	28
101	Application of the GastroDuo as an <i>in Vitro</i> Dissolution Tool To Simulate the Gastric Emptying of the Postprandial Stomach. <i>Molecular Pharmaceutics</i> , 2019, 16, 4651-4660.	2.3	28
102	Mechanistic Modeling of a Magnetic Marker Monitoring Study Linking Gastrointestinal Tablet Transit, <i>In Vivo</i> Drug Release, and Pharmacokinetics. <i>Clinical Pharmacology and Therapeutics</i> , 2009, 86, 77-83.	2.3	27
103	Determination of energy barrier distributions of magnetic nanoparticles by temperature dependent magnetorelaxometry. <i>Nanotechnology</i> , 2003, 14, 1251-1254.	1.3	26
104	Release Characteristics of Quetiapine Fumarate Extended Release Tablets Under Biorelevant Stress Test Conditions. <i>AAPS PharmSciTech</i> , 2014, 15, 230-236.	1.5	26
105	Characterization of the gastrointestinal transit and disintegration behavior of floating and sinking acid-resistant capsules using a novel MRI labeling technique. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 129, 163-172.	1.9	26
106	In vitro simulation of realistic gastric pressure profiles. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 107, 71-77.	1.9	25
107	Development of a liquid phase immunoassay by time-dependent measurements of the transient magneto-optical birefringence using functionalized magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 289, 480-483.	1.0	24
108	An International Network for Improving Health Properties of Food by Sharing our Knowledge on the Digestive Process. <i>Food Digestion</i> , 2011, 2, 23-25.	0.9	24

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109	Development of a method for magnetic labeling of platelets. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 537-544.	1.7	24
110	Investigation of dissolution behavior of diclofenac sodium extended release formulations under standard and biorelevant test conditions. <i>Drug Development and Industrial Pharmacy</i> , 2010, 36, 518-530.	0.9	23
111	Low dose caffeine as a salivary tracer for the determination of gastric water emptying in fed and fasted state: A MRI validation study. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 127, 443-452.	2.0	23
112	The Global Bioequivalence Harmonization Initiative: Summary report for EUFEPS international conference. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 111, 153-157.	1.9	23
113	Comparison of size-selective techniques for the fractionation of magnetic fluids. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 214, 269-275.	1.0	22
114	Pharmacokinetic and Pharmacodynamic Interactions Between the Immunosuppressant Sirolimus and the Lipid-Lowering Drug Ezetimibe in Healthy Volunteers. <i>Clinical Pharmacology and Therapeutics</i> , 2010, 87, 663-667.	2.3	22
115	Design of Biorelevant Test Setups for the Prediction of Diclofenac In Vivo Features After Oral Administration. <i>Pharmaceutical Research</i> , 2013, 30, 1483-1501.	1.7	22
116	Combined Application of MRI and the Salivary Tracer Technique to Determine the <i>in Vivo</i> Disintegration Time of Immediate Release Formulation Administered to Healthy, Fasted Subjects. <i>Molecular Pharmaceutics</i> , 2019, 16, 1782-1786.	2.3	22
117	In vitro study of sirolimus release from a drug-eluting stent: Comparison of the release profiles obtained using different test setups. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 93, 328-338.	2.0	21
118	Dissolution of mesalazine modified release tablets under standard and bio-relevant test conditions. <i>Journal of Pharmacy and Pharmacology</i> , 2015, 67, 199-208.	1.2	20
119	Magnetic nanoparticle relaxation measured by a low-TcSQUID system. <i>Superconductor Science and Technology</i> , 1999, 12, 956-958.	1.8	19
120	Simulation of Drug Distribution in the Vitreous Body After Local Drug Application into Intact Vitreous Body and in Progress of Posterior Vitreous Detachment. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 517-526.	1.6	19
121	In Vitro and In Vivo Evaluation of 3D Printed Capsules with Pressure Triggered Release Mechanism for Oral Peptide Delivery. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 228-238.	1.6	19
122	Determination of the disintegration behavior of magnetically marked tablets. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2001, 52, 221-226.	2.0	18
123	Determination of biological binding reactions by field-induced birefringence measurements. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 252, 384-386.	1.0	18
124	Direct Visualization and Identification of Biofunctionalized Nanoparticles using a Magnetic Atomic Force Microscope. <i>Nano Letters</i> , 2011, 11, 3587-3592.	4.5	18
125	A Semi-mechanistic Modeling Strategy to Link In Vitro and In Vivo Drug Release for Modified Release Formulations. <i>Pharmaceutical Research</i> , 2012, 29, 695-706.	1.7	18
126	Development of Hydrophobized Alginate Hydrogels for the Vessel-Simulating Flow-Through Cell and Their Usage for Biorelevant Drug-Eluting Stent Testing. <i>AAPS PharmSciTech</i> , 2013, 14, 1209-1218.	1.5	18



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127	Application of the GastroDuo to study the interplay of drug release and gastric emptying in case of immediate release Aspirin formulations. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 151, 9-17.	2.0	18
128	Ingestible devices for studying the gastrointestinal physiology and their application in oral biopharmaceutics. <i>Advanced Drug Delivery Reviews</i> , 2021, 176, 113853.	6.6	18
129	Investigating the Stability of the Nonionic Surfactants Tocopheryl Polyethylene glycol Succinate and Sucrose Laurate by HPLC-MS, DAD, and CAD. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 1773-1782.	1.6	17
130	Extended-release but not immediate-release and subcutaneous methylnaltrexone antagonizes the loperamide-induced delay of whole-gut transit time in healthy subjects. <i>Journal of Clinical Pharmacology</i> , 2016, 56, 239-245.	1.0	17
131	Influence of the test method on in vitro drug release from intravitreal model implants containing dexamethasone or fluorescein sodium in poly (d,l-lactide-co-glycolide) or polycaprolactone. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 127, 270-278.	2.0	17
132	Improved Prediction of in Vivo Supersaturation and Precipitation of Poorly Soluble Weakly Basic Drugs Using a Biorelevant Bicarbonate Buffer in a Gastrointestinal Transfer Model. <i>Molecular Pharmaceutics</i> , 2019, 16, 3938-3947.	2.3	17
133	A Semi-mechanistic Modeling Strategy for Characterization of Regional Absorption Properties and Prospective Prediction of Plasma Concentrations Following Administration of New Modified Release Formulations. <i>Pharmaceutical Research</i> , 2012, 29, 574-584.	1.7	16
134	The role of individual gastric emptying of pellets in the prediction of diclofenac in vivo dissolution. <i>Journal of Controlled Release</i> , 2013, 166, 286-293.	4.8	16
135	Development of a pressure-sensitive glyceryl tristearate capsule filled with a drug-containing hydrogel. <i>International Journal of Pharmaceutics</i> , 2014, 461, 296-300.	2.6	16
136	Comparison of In Vitro and In Vivo Results Using the GastroDuo and the Salivary Tracer Technique: Immediate Release Dosage Forms under Fasting Conditions. <i>Pharmaceutics</i> , 2019, 11, 659.	2.0	16
137	The EsoCap-system – An innovative platform to drug targeting in the esophagus. <i>Journal of Controlled Release</i> , 2020, 327, 1-7.	4.8	16
138	Effect of obesity on gastrointestinal transit, pressure and pH using a wireless motility capsule. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 167, 1-8.	2.0	16
139	Advances in coronary stent technology–active drug-loaded stent surfaces for prevention of restenosis and improvement of biocompatibility. <i>Current Pharmaceutical Biotechnology</i> , 2013, 14, 76-90.	0.9	16
140	Disposition and Antimuscarinic Effects of the Urinary Bladder Spasmolytics Propiverine: Influence of Dosage Forms and Circadian Time Rhythms. <i>Journal of Clinical Pharmacology</i> , 2008, 48, 570-579.	1.0	15
141	Simultaneous magnetic resonance imaging and pharmacokinetic analysis of intramuscular depots. <i>Journal of Controlled Release</i> , 2016, 227, 1-12.	4.8	15
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