

# Werner Weitschies

## List of Publications by Year in descending order

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Version: 2024-02-01

225  
papers

15,361  
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25014

57  
h-index

19169

118  
g-index

235  
all docs

235  
docs citations

235  
times ranked

13409  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Increasing the Robustness of Biopharmaceutical Precipitation Assays – Part II: Recommendations on the use of FaSSiF. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 155-163.  | 1.6 | 3         |
| 2  | The effect of buffer species on biorelevant dissolution and precipitation assays – Comparison of phosphate and bicarbonate buffer. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2022, 171, 90-101.                                     | 2.0 | 15        |
| 3  | The challenges of drug delivery to the esophagus and how to overcome them. <i>Expert Opinion on Drug Delivery</i> , 2022, 19, 119-131.  | 2.4 | 6         |
| 4  | Application of In Vivo Imaging Techniques and Diagnostic Tools in Oral Drug Delivery Research. <i>Pharmaceutics</i> , 2022, 14, 801.  | 2.0 | 4         |
| 5  | An Advanced Bioreactor Simulating Dynamic Physiological Conditions in the Human Ascending Colon: MimiCol3. <i>Pharmaceutics</i> , 2022, 14, 1049.   | 2.0 | 1         |
| 6  | Development of a Hot-Melt-Extrusion-Based Spinning Process to Produce Pharmaceutical Fibers and Yarns. <i>Pharmaceutics</i> , 2022, 14, 1229.   | 2.0 | 3         |
| 7  | Individualized, Additively Manufactured Drug-Releasing External Ear Canal Implant for Prevention of Postoperative Restenosis: Development, In Vitro Testing, and Proof of Concept in an Individual Curative Trial. <i>Pharmaceutics</i> , 2022, 14, 1242. | 2.0 | 5         |
| 8  | 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        |
| 9  | 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        |
| 10 | 3D Printing of Mini Tablets for Pediatric Use. <i>Pharmaceutics</i> , 2021, 14, 143.  | 1.7 | 29        |
| 11 | Design and Optimization of a Novel Strategy for the Local Treatment of <i>Helicobacter pylori</i> Infections. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 1302-1309.   | 1.6 | 1         |
| 12 | Establishment of a Dissolution Test System for the Biorelevant Characterization of Esophageal Applied Dosage Forms. <i>Journal of Pharmaceutical Sciences</i> , 2021, , .   | 1.6 | 1         |
| 13 | Functionality and Acceptance of the EsoCap System – A Novel Film-Based Drug Delivery Technology: Results of an In Vivo Study. <i>Pharmaceutics</i> , 2021, 13, 828.   | 2.0 | 4         |
| 14 | Mimicking the dynamic Colonic microbiota in vitro to gain a better understanding on the in vivo metabolism of xenobiotics: Degradation of sulfasalazine. <i>International Journal of Pharmaceutics</i> , 2021, 603, 120704.                               | 2.6 | 5         |
| 15 | 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       |
| 16 | Supercritical fluid extraction – supercritical fluid chromatography of saliva: Single – quadrupole mass spectrometry monitoring of caffeine for gastric emptying studies – . <i>Journal of Separation Science</i> , 2021, 44, 3700-3716.                  | 1.3 | 3         |
| 17 | The EyeFlowCell: Development of a 3D-Printed Dissolution Test Setup for Intravitreal Dosage Forms. <i>Pharmaceutics</i> , 2021, 13, 1394.   | 2.0 | 8         |
| 18 | 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        |

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|----|---|-----|-----------|
| 19 | 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        |
| 20 | Development of a furosemide-containing expandable system for gastric retention. <i>Journal of Controlled Release</i> , 2021, 338, 105-118.  | 4.8 | 4         |
| 21 | Influence of the geometry of 3D printed solid oral dosage forms on their swallowability. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 167, 65-72.  | 2.0 | 12        |
| 22 | The Effect of Capsule-in-Capsule Combinations on In Vivo Disintegration in Human Volunteers: A Combined Imaging and Salivary Tracer Study. <i>Pharmaceutics</i> , 2021, 13, 2002.   | 2.0 | 10        |
| 23 | Exploring the Effect of Esomeprazole on Gastric and Duodenal Fluid Volumes and Absorption of Ritonavir. <i>Pharmaceutics</i> , 2020, 12, 670.   | 2.0 | 15        |
| 24 | 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        |
| 25 | Abomasal emptying rate of diarrhoeic and healthy suckling calves fed with oral rehydration solutions. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 462-469.  | 1.0 | 6         |
| 26 | 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        |
| 27 | In Vitro and In Vivo Test Methods for the Evaluation of Gastroretentive Dosage Forms. <i>Pharmaceutics</i> , 2019, 11, 416.   | 2.0 | 39        |
| 28 | 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        |
| 29 | 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        |
| 30 | Application of the GastroDuo as an in Vitro Dissolution Tool To Simulate the Gastric Emptying of the Postprandial Stomach. <i>Molecular Pharmaceutics</i> , 2019, 16, 4651-4660.  | 2.3 | 28        |
| 31 | In vivo characterization of an intrinsic drug delivery technology capsule after intake in fed state: A cross-validation approach using salivary tracer technique in comparison to MRI. <i>Journal of Controlled Release</i> , 2019, 313, 24-32. | 4.8 | 14        |
| 32 | Development of oral foams for topical treatment of inflammatory bowel disease. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 50, 287-292.  | 1.4 | 6         |
| 33 | 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        |
| 34 | Application of an automated small-scale in vitro transfer model to predict in vivo precipitation inhibition. <i>International Journal of Pharmaceutics</i> , 2019, 565, 458-471.  | 2.6 | 4         |
| 35 | INFOGEST static in vitro simulation of gastrointestinal food digestion. <i>Nature Protocols</i> , 2019, 14, 991-1014.   | 5.5 | 1,873     |
| 36 | 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       |

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|----|---|-----|-----------|
| 37 | 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        |
| 38 | 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        |
| 39 | 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        |
| 40 | Automated small-scale in vitro transfer model as screening tool for the prediction of in vivo-dissolution and precipitation of poorly solubles. <i>International Journal of Pharmaceutics</i> , 2019, 556, 150-158.   | 2.6 | 9         |
| 41 | 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        |
| 42 | 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        |
| 43 | 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        |
| 44 | 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       |
| 45 | 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        |
| 46 | 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        |
| 47 | 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        |
| 48 | Effects of 1-Methyltryptophan on Immune Responses and the Kynurenine Pathway after Lipopolysaccharide Challenge in Pigs. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3009.   | 1.8 | 11        |
| 49 | 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        |
| 50 | 7.1 T MRI and T2 mapping of the human and porcine vitreous body post mortem. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 131, 82-91.  | 2.0 | 8         |
| 51 | In-line derivative spectroscopy as a promising application to a small-scale <i>in vitro</i> transfer model in biorelevant supersaturation and precipitation testing. <i>Journal of Pharmacy and Pharmacology</i> , 2018, 70, 1315-1323.   | 1.2 | 14        |
| 52 | Influence of Postprandial Intra-gastric Pressures on Drug Release from Gastroretentive Dosage Forms. <i>AAPS PharmSciTech</i> , 2018, 19, 2843-2850.  | 1.5 | 14        |
| 53 | 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        |
| 54 | An overview of intestinal wafers for oral drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 114, 135-144.  | 2.0 | 13        |

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|----|--|-----|-----------|
| 55 | 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       |
| 56 | Preparation and characterization of gastrointestinal wafer formulations. <i>International Journal of Pharmaceutics</i> , 2017, 522, 165-171.   | 2.6 | 5         |
| 57 | 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        |
| 58 | Muscle Injury After Intramuscular Administration of Diclofenac: A Case Report Supported by Magnetic Resonance Imaging. <i>Drug Safety - Case Reports</i> , 2017, 4, 7.   | 0.9 | 8         |
| 59 | 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        |
| 60 | Effect of Coadministered Water on the <i>In Vivo</i> Performance of Oral Formulations Containing N-Acetylcysteine: An <i>In Vitro</i> Approach Using the Dynamic Open Flow-Through Test Apparatus. <i>Molecular Pharmaceutics</i> , 2017, 14, 4272-4280. | 2.3 | 9         |
| 61 | In vitro dissolution testing of parenteral aqueous solutions and oily suspensions of paracetamol and prednisolone. <i>International Journal of Pharmaceutics</i> , 2017, 532, 519-527.   | 2.6 | 8         |
| 62 | Distribution of fluorescein sodium and triamcinolone acetonide in the simulated liquefied and vitrectomized Vitreous Model with simulated eye movements. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 109, 233-243.                        | 1.9 | 9         |
| 63 | 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        |
| 64 | A novel mechanical antrum model for the prediction of the gastroretentive potential of dosage forms. <i>International Journal of Pharmaceutics</i> , 2017, 530, 63-70.   | 2.6 | 12        |
| 65 | Measurement of abomasal conditions (pH, pressure and temperature) in healthy and diarrheic dairy calves using a wireless ambulatory capsule. <i>Livestock Science</i> , 2017, 203, 41-47.  | 0.6 | 6         |
| 66 | In vitro simulation of realistic gastric pressure profiles. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 107, 71-77.   | 1.9 | 25        |
| 67 | Glycerol gelatin for 3D-printing of implants using a paste extrusion technique. <i>Current Directions in Biomedical Engineering</i> , 2017, 3, 389-392.  | 0.2 | 3         |
| 68 | Gastroresistant gelatin films prepared by addition of cellulose acetate phthalate. <i>Die Pharmazie</i> , 2017, 72, 324-328.   | 0.3 | 7         |
| 69 | Influence of Siluron <sup>®</sup> insertion on model drug distribution in the simulated vitreous body. <i>Current Directions in Biomedical Engineering</i> , 2016, 2, 665-668.   | 0.2 | 1         |
| 70 | Extended-release but not immediate-release and subcutaneous methyl naltrexone 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        |
| 71 | Tropium chloride is absorbed from two intestinal absorption windows with different permeability in healthy subjects. <i>International Journal of Pharmaceutics</i> , 2016, 515, 367-373.   | 2.6 | 14        |
| 72 | 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        |

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|----|--|-----|-----------|
| 73 | 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       |
| 74 | Simultaneous magnetic resonance imaging and pharmacokinetic analysis of intramuscular depots. <i>Journal of Controlled Release</i> , 2016, 227, 1-12.  | 4.8 | 15        |
| 75 | Pharmacokinetics of 1-methyl-L-tryptophan after single and repeated subcutaneous application in a porcine model. <i>Experimental Animals</i> , 2016, 65, 147-155.  | 0.7 | 12        |
| 76 | 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        |
| 77 | <i>In vitro</i> simulation of distribution processes following intramuscular injection. <i>Current Directions in Biomedical Engineering</i> , 2016, 2, 383-386.  | 0.2 | 0         |
| 78 | Rapid Tolerance to Constipating Effects of Loperamide in Healthy Subjects. <i>Journal of Clinical Pharmacology</i> , 2016, 56, 248-249.  | 1.0 | 3         |
| 79 | Meta-analysis of Magnetic Marker Monitoring Data to Characterize the Movement of Single Unit Dosage Forms Through the Gastrointestinal Tract Under Fed and Fasting Conditions. <i>Pharmaceutical Research</i> , 2016, 33, 751-762. | 1.7 | 13        |
| 80 | MR imaging of model drug distribution in simulated vitreous. <i>Current Directions in Biomedical Engineering</i> , 2015, 1, 236-239.   | 0.2 | 2         |
| 81 | 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        |
| 82 | Controlling drug delivery from coronary stents: are we aiming for the right targets?. <i>Therapeutic Delivery</i> , 2015, 6, 705-720.  | 1.2 | 5         |
| 83 | 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        |
| 84 | Bioequivalence of Sandoz methylphenidate osmotic-controlled release tablet with Concerta <sup>®</sup> (Janssen-Cilag). <i>Pharmacology Research and Perspectives</i> , 2015, 3, e00072.  | 1.1 | 8         |
| 85 | 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        |
| 86 | 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        |
| 87 | 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       |
| 88 | 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        |
| 89 | 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        |
| 90 | Investigation of pH and Temperature Profiles in the GI Tract of Fasted Human Subjects Using the Intellicap <sup>®</sup> System. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 2855-2863.                                  | 1.6 | 324       |

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|-----|--|-----|-----------|
| 91  | 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        |
| 92  | 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        |
| 93  | PBPK models for the prediction of in vivo performance of oral dosage forms. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 57, 300-321.  | 1.9 | 263       |
| 94  | In vitro models for the prediction of in vivo performance of oral dosage forms. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 57, 342-366.  | 1.9 | 297       |
| 95  | 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        |
| 96  | In vivo methods for drug absorption – Comparative physiologies, model selection, correlations with in vitro methods (IVVC), and applications for formulation/API/excipient characterization including food effects. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 57, 99-151. | 1.9 | 226       |
| 97  | Development of pressure-sensitive dosage forms with a core liquefying at body temperature. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 86, 507-513.  | 2.0 | 7         |
| 98  | 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        |
| 99  | 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        |
| 100 | Release Characteristics of Quetiapine Fumarate Extended Release Tablets Under Biorelevant Stress Test Conditions. <i>AAPS PharmSciTech</i> , 2014, 15, 230-236.  | 1.5 | 26        |
| 101 | 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     |
| 102 | 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        |
| 103 | Feasibility of gadoxetate disodium-enhanced MR cholangiography in chronic cholestatic biliary disease. <i>Clinical Radiology</i> , 2014, 69, 1027-1033.  | 0.5 | 1         |
| 104 | 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        |
| 105 | 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        |
| 106 | Impact of different tissue-simulating hydrogel compartments on in vitro release and distribution from drug-eluting stents. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 87, 570-578.  | 2.0 | 11        |
| 107 | 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        |
| 108 | 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        |



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|-----|--|-----|-----------|
| 109 | An Automated System for Monitoring and Regulating the pH of Bicarbonate Buffers. AAPS PharmSciTech, 2013, 14, 517-522.   | 1.5 | 40        |
| 110 | Development of Hydrophobized Alginate Hydrogels for the Vessel-Simulating Flow-Through Cell and Their Usage for Biorelevant Drug-Eluting Stent Testing. AAPS PharmSciTech, 2013, 14, 1209-1218.    | 1.5 | 18        |
| 111 | Oral Anticancer Drugs: Back to Square One. Clinical Pharmacology and Therapeutics, 2013, 94, 441-442.  | 2.3 | 5         |
| 112 | Changes in recovery due to drug product matrix ageing as a source of mass imbalances. Journal of Pharmaceutical and Biomedical Analysis, 2013, 74, 117-125.  | 1.4 | 4         |
| 113 | The role of individual gastric emptying of pellets in the prediction of diclofenac in vivo dissolution. Journal of Controlled Release, 2013, 166, 286-293.   | 4.8 | 16        |
| 114 | Design of Biorelevant Test Setups for the Prediction of Diclofenac In Vivo Features After Oral Administration. Pharmaceutical Research, 2013, 30, 1483-1501.                                       | 1.7 | 22        |
| 115 | Simulating the Postprandial Stomach: Biorelevant Test Methods for the Estimation of Intragastic Drug Dissolution. Molecular Pharmaceutics, 2013, 10, 2211-2221.                                    | 2.3 | 43        |
| 116 | Simulating the Postprandial Stomach: Physiological Considerations for Dissolution and Release Testing. Molecular Pharmaceutics, 2013, 10, 1610-1622.   | 2.3 | 76        |
| 117 | Advances in Coronary Stent Technology - Active Drug-Loaded Stent Surfaces for Prevention of Restenosis and Improvement of Biocompatibility. Current Pharmaceutical Biotechnology, 2013, 14, 76-90. | 0.9 | 0         |
| 118 | In Vitro Dissolution Testing of Drug-Eluting Stents. Current Pharmaceutical Biotechnology, 2013, 14, 67-75.  | 0.9 | 7         |
| 119 | Simulation of the Conjunctival and Choroidal Blood Flow Using a New Multi-Layer Diffusion Cell. Biomedizinische Technik, 2013, 58 Suppl 1, .   | 0.9 | 1         |
| 120 | In Vitro Determination of Drug Transfer from Drug-Coated Balloons. PLoS ONE, 2013, 8, e83992.  | 1.1 | 35        |
| 121 | Advances in Coronary Stent Technology - Active Drug-Loaded Stent Surfaces for Prevention of Restenosis and Improvement of Biocompatibility. Current Pharmaceutical Biotechnology, 2013, 14, 76-90. | 0.9 | 11        |
| 122 | Long-term stable hydrogels for biorelevant dissolution testing of drug-eluting stents. Journal of Pharmaceutical Technology & Drug Research, 2013, 2, 19.  | 1.0 | 12        |
| 123 | In vitro dissolution testing of drug-eluting stents. Current Pharmaceutical Biotechnology, 2013, 14, 67-75.  | 0.9 | 9         |
| 124 | Advances in coronary stent technology–active drug-loaded stent surfaces for prevention of restenosis and improvement of biocompatibility. Current Pharmaceutical Biotechnology, 2013, 14, 76-90.   | 0.9 | 16        |
| 125 | Response. Radiology, 2013, 267, 315.   | 3.6 | 0         |
| 126 | Visualization of Hepatic Uptake Transporter Function in Healthy Subjects by Using Gadoteric Acid-enhanced MR Imaging. Radiology, 2012, 264, 741-750.   | 3.6 | 123       |



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|-----|--|-----|-----------|
| 127 | In vitro estimation of drug loss during the implantation procedure of drug-eluting stents. Biomedizinische Technik, 2012, 57, .  | 0.9 | 3         |
| 128 | The Vitreous Model â€“ a new in vitro test method simulating the vitreous body. Biomedizinische Technik, 2012, 57, .   | 0.9 | 13        |
| 129 | Development of oral taste masked diclofenac formulations using a taste sensing system. International Journal of Pharmaceutics, 2012, 438, 81-90.   | 2.6 | 57        |
| 130 | Development of a method for magnetic labeling of platelets. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 537-544.   | 1.7 | 24        |
| 131 | A novel liquefied gas based oral controlled release drug delivery system for liquid drug formulations. European Journal of Pharmaceutics and Biopharmaceutics, 2012, 81, 334-338.  | 2.0 | 7         |
| 132 | Coating of collars via fluidised-bed process. Biomedizinische Technik, 2012, 57, .   | 0.9 | 0         |
| 133 | Examination of steroid release from screw-in pacing leads. Biomedizinische Technik, 2012, 57, .  | 0.9 | 1         |
| 134 | Implant-associated local drug delivery systems for different medical applications. Biomedizinische Technik, 2012, 57, .  | 0.9 | 1         |
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| 136 | Determination of permeability coefficients of ophthalmic drugs through different layers of porcine, rabbit and bovine eyes. European Journal of Pharmaceutical Sciences, 2012, 47, 131-138.  | 1.9 | 80        |
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