

# Yasuhiro Tsume

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6693668/publications.pdf>

Version: 2024-02-01

36  
papers

1,432  
citations

331670

21  
h-index

345221

36  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1337  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Biopharmaceutics Classification System: Subclasses for in vivo predictive dissolution (IPD) methodology and IVVC. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 57, 152-163.	4.0	258
2	Sulforaphane enhances the anticancer activity of taxanes against triple negative breast cancer by killing cancer stem cells. <i>Cancer Letters</i> , 2017, 394, 52-64.	7.2	108
3	Low Buffer Capacity and Alternating Motility along the Human Gastrointestinal Tract: Implications for <i>in Vivo</i> Dissolution and Absorption of Ionizable Drugs. <i>Molecular Pharmaceutics</i> , 2017, 14, 4281-4294.	4.6	94
4	<i>In silico</i> prediction of drug dissolution and absorption with variation in intestinal pH for BCS class II weak acid drugs: ibuprofen and ketoprofen. <i>Biopharmaceutics and Drug Disposition</i> , 2012, 33, 366-377.	1.9	85
5	The Biowaiver Extension for BCS Class III Drugs: The Effect of Dissolution Rate on the Bioequivalence of BCS Class III Immediate-Release Drugs Predicted by Computer Simulation. <i>Molecular Pharmaceutics</i> , 2010, 7, 1235-1243.	4.6	68
6	Evaluation of a Three Compartment In Vitro Gastrointestinal Simulator Dissolution Apparatus to Predict In Vivo Dissolution. <i>Journal of Pharmaceutical Sciences</i> , 2014, 103, 3416-3422.	3.3	65
7	In vitro dissolution methodology, mini-Gastrointestinal Simulator (mGIS), predicts better in vivo dissolution of a weak base drug, dasatinib. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 76, 203-212.	4.0	64
8	<i>In Vitro</i> Dissolution of Fluconazole and Dipyridamole in Gastrointestinal Simulator (GIS), Predicting <i>in Vivo</i> Dissolution and Drug-Drug Interaction Caused by Acid-Reducing Agents. <i>Molecular Pharmaceutics</i> , 2015, 12, 2418-2428.	4.6	53
9	A Mechanistic Physiologically-Based Biopharmaceutics Modeling (PBBM) Approach to Assess the In Vivo Performance of an Orally Administered Drug Product: From IVVC to MVVP. <i>Pharmaceutics</i> , 2020, 12, 74.	4.5	49
10	The Evaluation of In Vitro Drug Dissolution of Commercially Available Oral Dosage Forms for Itraconazole in Gastrointestinal Simulator With Biorelevant Media. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 2804-2814.	3.3	48
11	<i>In Vivo</i> Dissolution and Systemic Absorption of Immediate Release Ibuprofen in Human Gastrointestinal Tract under Fed and Fasted Conditions. <i>Molecular Pharmaceutics</i> , 2017, 14, 4295-4304.	4.6	46
12	The impact of supersaturation level for oral absorption of BCS class IIb drugs, dipyridamole and ketoconazole, using in vivo predictive dissolution system: Gastrointestinal Simulator (GIS). <i>European Journal of Pharmaceutical Sciences</i> , 2017, 102, 126-139.	4.0	44
13	Evaluation and optimized selection of supersaturating drug delivery systems of posaconazole (BCS) Tj ETQq1 1 0.784314 rgBT /Overl <i>Journal of Pharmaceutical Sciences</i> , 2018, 115, 258-269.	4.0	43
14	Formulation predictive dissolution (fPD) testing to advance oral drug product development: An introduction to the US FDA funded "21st Century BA/BE" project. <i>International Journal of Pharmaceutics</i> , 2018, 548, 120-127.	5.2	41
15	The Combination of GIS and Biphasic to Better Predict In Vivo Dissolution of BCS Class IIb Drugs, Ketoconazole and Raloxifene. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 307-316.	3.3	40
16	Enhanced Absorption and Growth Inhibition with Amino Acid Monoester Prodrugs of Floxuridine by Targeting hPEPT1 Transporters. <i>Molecules</i> , 2008, 13, 1441-1454.	3.8	39
17	Measurement of <i>in vivo</i> Gastrointestinal Release and Dissolution of Three Locally Acting Mesalamine Formulations in Regions of the Human Gastrointestinal Tract. <i>Molecular Pharmaceutics</i> , 2017, 14, 345-358.	4.6	39
18	Utilization of Gastrointestinal Simulator, an in Vivo Predictive Dissolution Methodology, Coupled with Computational Approach To Forecast Oral Absorption of Dipyridamole. <i>Molecular Pharmaceutics</i> , 2017, 14, 1181-1189.	4.6	26

#	ARTICLE	IF	CITATIONS
19	Gastric emptying and intestinal appearance of nonabsorbable drugs phenol red and paromomycin in human subjects: A multi-compartment stomach approach. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 129, 162-174.	4.3	24
20	Mechanistic Fluid Transport Model to Estimate Gastrointestinal Fluid Volume and Its Dynamic Change Over Time. <i>AAPS Journal</i> , 2017, 19, 1682-1690.	4.4	22
21	Carrier-Mediated Prodrug Uptake to Improve the Oral Bioavailability of Polar Drugs: An Application to an Oseltamivir Analogue. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 925-934.	3.3	21
22	Linking the Gastrointestinal Behavior of Ibuprofen with the Systemic Exposure between and within Humans—Part 1: Fasted State Conditions. <i>Molecular Pharmaceutics</i> , 2018, 15, 5454-5467.	4.6	21
23	Measuring the Impact of Gastrointestinal Variables on the Systemic Outcome of Two Suspensions of Posaconazole by a PBPK Model. <i>AAPS Journal</i> , 2018, 20, 57.	4.4	19
24	Exploring Bioequivalence of Dexketoprofen Trometamol Drug Products with the Gastrointestinal Simulator (GIS) and Precipitation Pathways Analyses. <i>Pharmaceutics</i> , 2019, 11, 122.	4.5	17
25	Potential Development of Tumor-Targeted Oral Anti-Cancer Prodrugs: Amino Acid and Dipeptide Monoester Prodrugs of Gemcitabine. <i>Molecules</i> , 2017, 22, 1322.	3.8	15
26	Linking the Gastrointestinal Behavior of Ibuprofen with the Systemic Exposure between and within Humans—Part 2: Fed State. <i>Molecular Pharmaceutics</i> , 2018, 15, 5468-5478.	4.6	12
27	Selection of Suitable Prodrug Candidates for in vivo Studies via in vitro Studies; The Correlation of Prodrug Stability in Between Cell Culture Homogenates and Human Tissue Homogenates. <i>Journal of Pharmacy and Pharmaceutical Sciences</i> , 2012, 15, 433.	2.1	10
28	The in vivo predictive dissolution for immediate release dosage of donepezil and danazol, BCS class IIc drugs, with the GIS and the USP II with biphasic dissolution apparatus. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 56, 100920.	3.0	10
29	Dissolution Challenges Associated with the Surface pH of Drug Particles: Integration into Mechanistic Oral Absorption Modeling. <i>AAPS Journal</i> , 2022, 24, 17.	4.4	9
30	The achievement of mass balance by simultaneous quantification of floxuridine prodrug, floxuridine, 5-fluorouracil, 5-dihydrouracil, $\beta$ -fluoro- $\beta$ -ureidopropionate, $\beta$ -fluoro- $\beta$ -alanine using LC-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 915-920.	2.3	8
31	In Vivo Predictive Dissolution and Simulation Workshop Report: Facilitating the Development of Oral Drug Formulation and the Prediction of Oral Bioperformance. <i>AAPS Journal</i> , 2018, 20, 100.	4.4	7
32	The Introduction of a New Flexible In Vivo Predictive Dissolution Apparatus, GIS-Alpha (GIS- $\beta$ ), to Study Dissolution Profiles of BCS Class IIb Drugs, Dipyridamole and Ketoconazole. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 3471-3479.	3.3	7
33	An In Vivo Predictive Dissolution Methodology (iPD Methodology) with a BCS Class IIb Drug Can Predict the In Vivo Bioequivalence Results: Etoricoxib Products. <i>Pharmaceutics</i> , 2021, 13, 507.	4.5	7
34	Biopredictive in vitro testing methods to assess intestinal drug absorption from supersaturating dosage forms. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 56, 101275.	3.0	6
35	Effect of biphenyl hydrolase-like (BPHL) gene disruption on the intestinal stability, permeability and absorption of valacyclovir in wildtype and Bphl knockout mice. <i>Biochemical Pharmacology</i> , 2018, 156, 147-156.	4.4	4
36	Oral product input to the GI tract: GIS an oral product performance technology. <i>Frontiers of Chemical Science and Engineering</i> , 2017, 11, 516-520.	4.4	2