

Lambertus

List of Publications by Year in descending order

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29
papers

497
citations

759233

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677142

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docs citations

30
times ranked

349
citing authors

#	ARTICLE	IF	CITATIONS
1	An Extended Model Including Target Turnover, Ligand-Target Complex Kinetics, and Binding Properties to Describe Drug-Receptor Interactions. <i>Methods in Molecular Biology</i> , 2022, 2385, 19-46.	0.9	2
2	Impact of enzyme turnover on the dynamics of the Michaelis-Menten model. <i>Mathematical Biosciences</i> , 2022, 346, 108795.	1.9	2
3	Comparisons of basic target-mediated drug disposition (TMDD) and ligand facilitated target removal (LFTR). <i>European Journal of Pharmaceutical Sciences</i> , 2021, 162, 105835.	4.0	1
4	Mathematical Modelling of Alternative Pathway of Complement System. <i>Bulletin of Mathematical Biology</i> , 2020, 82, 33.	1.9	6
5	In vivo potency revisited – Keep the target in sight. , 2018, 184, 177-188.		24
6	Michaelis-Menten from an In Vivo Perspective: Open Versus Closed Systems. <i>AAPS Journal</i> , 2018, 20, 102.	4.4	8
7	New Equilibrium Models of Drug-Receptor Interactions Derived from Target-Mediated Drug Disposition. <i>AAPS Journal</i> , 2018, 20, 69.	4.4	6
8	Impact of mathematical pharmacology on practice and theory: four case studies. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2018, 45, 3-21.	1.8	13
9	Pharmacokinetic Steady-States Highlight Interesting Target-Mediated Disposition Properties. <i>AAPS Journal</i> , 2017, 19, 772-786.	4.4	21
10	Impact of saturable distribution in compartmental PK models: dynamics and practical use. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2017, 44, 1-16.	1.8	4
11	Use of mathematics to guide target selection in systems pharmacology; application to receptor tyrosine kinase (RTK) pathways. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 109, S140-S148.	4.0	3
12	Mixture dynamics: Combination therapy in oncology. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 88, 132-146.	4.0	11
13	Selecting optimal drug-intervention in a pathway involving receptor tyrosine kinases (RTKs). <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2016, 137, 148-170.	1.1	4
14	Topics in Mathematical Pharmacology. <i>Journal of Dynamics and Differential Equations</i> , 2016, 28, 1337-1356.	1.9	15
15	Challenges in Pharmacology Modelling. <i>Journal of Dynamics and Differential Equations</i> , 2015, 27, 941-959.	1.9	1
16	Dose-response-time data analysis involving nonlinear dynamics, feedback and delay. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 59, 36-48.	4.0	13
17	Challenges of a mechanistic feedback model describing nicotinic acid-induced changes in non-esterified fatty acids in rats. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2013, 40, 497-512.	1.8	7
18	Cross-membrane signal transduction of receptor tyrosine kinases (RTKs): from systems biology to systems pharmacology. <i>Journal of Mathematical Biology</i> , 2013, 66, 719-742.	1.9	10

#	ARTICLE	IF	CITATIONS
19	Feedback modeling of non-esterified fatty acids in obese Zucker rats after nicotinic acid infusions. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2013, 40, 623-638.	1.8	13
20	Dynamics of target-mediated drug disposition: characteristic profiles and parameter identification. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2012, 39, 429-451.	1.8	77
21	Impact of protein binding on receptor occupancy: A two-compartment model. <i>Journal of Theoretical Biology</i> , 2010, 265, 657-671.	1.7	11
22	Nonlinear turnover models for systems with physiological limits. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 37, 11-26.	4.0	3
23	Dynamics of target-mediated drug disposition. <i>European Journal of Pharmaceutical Sciences</i> , 2009, 38, 445-464.	4.0	45
24	Impact of plasma-protein binding on receptor occupancy: An analytical description. <i>Journal of Theoretical Biology</i> , 2009, 256, 253-262.	1.7	26
25	Homoclinic bifurcations at the onset of pulse self-replication. <i>Journal of Differential Equations</i> , 2006, 231, 359-423.	2.2	14
26	A Dynamical Systems Analysis of the Indirect Response Model with Special Emphasis on Time to Peak Response. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2005, 32, 607-654.	1.8	23
27	Pattern selection of solutions of the Swift-Hohenberg equation. <i>Physica D: Nonlinear Phenomena</i> , 2004, 194, 95-126.	2.8	77
28	Elliptic equations with critical exponent on \mathbb{R}^n : new non-minimising solutions. <i>Comptes Rendus Mathématique</i> , 2004, 339, 391-394.	0.3	13
29	Large time behaviour of solutions of the Swift-Hohenberg equation. <i>Comptes Rendus Mathématique</i> , 2003, 336, 225-230.	0.3	44