Lambertus

List of Publications by Year
in descending order

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29	497	759233 12	677142 22
papers	citations	h-index	g-index

30	30	30	349
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pattern selection of solutions of the Swiftâ€“Hohenberg equation. Physica D: Nonlinear Phenomena, 2004, 194, 95-126.	2.8	77
2	Dynamics of target-mediated drug disposition: characteristic profiles and parameter identification. Journal of Pharmacokinetics and Pharmacodynamics, 2012, 39, 429-451.	1.8	77
3	Dynamics of target-mediated drug disposition. European Journal of Pharmaceutical Sciences, 2009, 38, 445-464.	4.0	45
4	Large time behaviour of solutions of the Swiftâ€“Hohenberg equation. Comptes Rendus Mathematique, 2003, 336, 225-230.	0.3	44
5	Impact of plasma-protein binding on receptor occupancy: An analytical description. Journal of Theoretical Biology, 2009, 256, 253-262.	1.7	26
6	In vivo potency revisited â€“ Keep the target in sight. , 2018, 184, 177-188.		24
7	A Dynamical Systems Analysis of the Indirect Response Model with Special Emphasis on Time to Peak Response. Journal of Pharmacokinetics and Pharmacodynamics, 2005, 32, 607-654.	1.8	23
8	Pharmacokinetic Steady-States Highlight Interesting Target-Mediated Disposition Properties. AAPS Journal, 2017, 19, 772-786.	4.4	21
9	Topics in Mathematical Pharmacology. Journal of Dynamics and Differential Equations, 2016, 28, 1337-1356.	1.9	15
10	Homoclinic bifurcations at the onset of pulse self-replication. Journal of Differential Equations, 2006, 231, 359-423.	2.2	14
11	Elliptic equations with critical exponent on : new non-minimising solutions. Comptes Rendus Mathematique, 2004, 339, 391-394.	0.3	13
12	Feedback modeling of non-esterified fatty acids in obese Zucker rats after nicotinic acid infusions. Journal of Pharmacokinetics and Pharmacodynamics, 2013, 40, 623-638.	1.8	13
13	Doseâ€“responseâ€“time data analysis involving nonlinear dynamics, feedback and delay. European Journal of Pharmaceutical Sciences, 2014, 59, 36-48.	4.0	13
14	Impact of mathematical pharmacology on practice and theory: four case studies. Journal of Pharmacokinetics and Pharmacodynamics, 2018, 45, 3-21.	1.8	13
15	Impact of protein binding on receptor occupancy: A two-compartment model. Journal of Theoretical Biology, 2010, 265, 657-671.	1.7	11
16	Mixture dynamics: Combination therapy in oncology. European Journal of Pharmaceutical Sciences, 2016, 88, 132-146.	4.0	11
17	Cross-membrane signal transduction of receptor tyrosine kinases (RTKs): from systems biology to systems pharmacology. Journal of Mathematical Biology, 2013, 66, 719-742.	1.9	10
18	Michaelis-Menten from an In Vivo Perspective: Open Versus Closed Systems. AAPS Journal, 2018, 20, 102.	4.4	8

#	Article	IF	Citations
19	Challenges of a mechanistic feedback model describing nicotinic acid-induced changes in non-esterified fatty acids in rats. Journal of Pharmacokinetics and Pharmacodynamics, 2013, 40, 497-512.	1.8	7
20	New Equilibrium Models of Drug-Receptor Interactions Derived from Target-Mediated Drug Disposition. AAPS Journal, 2018, 20, 69.	4.4	6
21	Mathematical Modelling of Alternative Pathway of Complement System. Bulletin of Mathematical Biology, 2020, 82, 33.	1.9	6
22	Selecting optimal drug-intervention in a pathway involving receptor tyrosine kinases (RTKs). Nonlinear Analysis: Theory, Methods & Applications, 2016, 137, 148-170.	1.1	4
23	Impact of saturable distribution in compartmental PK models: dynamics and practical use. Journal of Pharmacokinetics and Pharmacodynamics, 2017, 44, 1-16.	1.8	4
24	Nonlinear turnover models for systems with physiological limits. European Journal of Pharmaceutical Sciences, 2009, 37, 11-26.	4.0	3
25	Use of mathematics to guide target selection in systems pharmacology; application to receptor tyrosine kinase (RTK) pathways. European Journal of Pharmaceutical Sciences, 2017, 109, S140-S148.	4.0	3
26	An Extended Model Including Target Turnover, Ligandâ€“Target Complex Kinetics, and Binding Properties to Describe Drugâ€“Receptor Interactions. Methods in Molecular Biology, 2022, 2385, 19-46.	0.9	2
27	Impact of enzyme turnover on the dynamics of the Michaelisâ€“Menten model. Mathematical Biosciences, 2022, 346, 108795.	1.9	2
28	Challenges in Pharmacology Modelling. Journal of Dynamics and Differential Equations, 2015, 27, 941-959.	1.9	1
29	Comparisons of basic target-mediated drug disposition (TMDD) and ligand facilitated target removal (LFTR). European Journal of Pharmaceutical Sciences, 2021, 162, 105835.	4.0	1