Casian Pantea

List of Publications by Year
in descending order

16 papers	421 citations	1039880 9 h-index	996849 15 g-index
16 all docs	**16** docs citations	**16** times ranked	**203** citing authors

#	Article	IF	Citations
1	Multistationarity in Cyclic Sequestration-Transmutation Networks. Bulletin of Mathematical Biology, 2022, 84, 65.	0.9	3
2	A Graph-Theoretic Condition for Delay Stability of Reaction Systems. SIAM Journal on Applied Dynamical Systems, 2022, 21, 1092-1118.	0.7	3
3	Delay stability of reaction systems. Mathematical Biosciences, 2020, 326, 108387.	0.9	4
4	A Deficiency-Based Approach to Parametrizing Positive Equilibria of Biochemical Reaction Systems. Bulletin of Mathematical Biology, 2019, 81, 1143-1172.	0.9	11
5	A generalization of Birch's theorem and vertex-balanced steady states for generalized mass-action systems. Mathematical Biosciences and Engineering, 2019, 16, 8243-8267.	1.0	9
6	Chemical reaction-diffusion networks: convergence of the method of lines. Journal of Mathematical Chemistry, 2018, 56, 30-68.	0.7	4
7	The Inheritance of Nondegenerate Multistationarity in Chemical Reaction Networks. SIAM Journal on Applied Mathematics, 2018, 78, 1105-1130.	0.8	37
8	Some Results on Injectivity and Multistationarity in Chemical Reaction Networks. SIAM Journal on Applied Dynamical Systems, 2016, 15, 807-869.	0.7	32
9	A computational approach to persistence, permanence, and endotacticity of biochemical reaction systems. Journal of Mathematical Biology, 2016, 72, 467-498.	0.8	9
10	CoNtRol: an open source framework for the analysis of chemical reaction networks. Bioinformatics, 2014, 30, 1633-1634.	1.8	33
11	Combinatorial approaches to Hopf bifurcations in systems of interacting elements. Communications in Mathematical Sciences, 2014, 12, 1101-1133.	0.5	15
12	Persistence and Permanence of Mass-Action and Power-Law Dynamical Systems. SIAM Journal on Applied Mathematics, 2013, 73, 305-329.	0.8	76
13	On the Persistence and Global Stability of Mass-Action Systems. SIAM Journal on Mathematical Analysis, 2012, 44, 1636-1673.	0.9	54
14	Graph-Theoretic Analysis of Multistability and Monotonicity for Biochemical Reaction Networks. , 2011, , 63-72.		5
15	Algebraic methods for inferring biochemical networks: A maximum likelihood approach. Computational Biology and Chemistry, 2009, 33, 361-367.	1.1	11
16	Identifiability of chemical reaction networks. Journal of Mathematical Chemistry, 2008, 44, 244-259.	0.7	115