Evgeni V Nikolaev

List of Publications by Year
in descending order

18 papers	882 citations	840585 11 h-index	940416 16 g-index
20 all docs	20 docs citations	20 times ranked	1026 citing authors

#	Article	IF	Citations
1	Immunobiochemical Reconstruction of Influenza Lung Infection—Melanoma Skin Cancer Interactions. Frontiers in Immunology, 2019, 10, 4.	2.2	11
2	Subharmonics and Chaos in Simple Periodically Forced Biomolecular Models. Biophysical Journal, 2018, 114, 1232-1240.	0.2	8
3	Quorum-Sensing Synchronization of Synthetic Toggle Switches: A Design Based on Monotone Dynamical Systems Theory. PLoS Computational Biology, 2016, 12, e1004881.	1.5	25
4	Fundamental limitation of the instantaneous approximation in fold‐change detection models. IET Systems Biology, 2015, 9, 1-15.	0.8	13
5	Scale-invariance in singularly perturbed systems. , 2014, , .		2
6	The elucidation of metabolic pathways and their improvements using stable optimization of large-scale kinetic models of cellular systems. Metabolic Engineering, 2010, 12, 26-38.	3.6	36
7	Nicotinamide mononucleotide synthetase is the key enzyme for an alternative route of NAD biosynthesis in $Francisella tularensis$. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 3083-3088.	3.3	70
8	Multi‐scale modeling of neuronal adaptation mediated by angiotensin II in the central regulation of blood pressure. FASEB Journal, 2008, 22, 756.2.	0.2	0
9	Sensitivity and control analysis of periodically forced reaction networks using the Green's function method. Journal of Theoretical Biology, 2007, 247, 442-461.	0.8	11
10	Computer models of bacterial cells: from generalized coarsegrained to genome-specific modular models. Journal of Physics: Conference Series, 2006, 46, 322-326.	0.3	7
11	A Computational Procedure for Optimal Engineering Interventions Using Kinetic Models of Metabolism. Biotechnology Progress, 2006, 22, 1507-1517.	1.3	31
12	A Computational Procedure for Optimal Engineering Interventions Using Kinetic Models of Metabolism. Biotechnology Progress, 2006, 22, 1507-1517.	1.3	16
13	Elucidation and Structural Analysis of Conserved Pools for Genome-Scale Metabolic Reconstructions. Biophysical Journal, 2005, 88, 37-49.	0.2	45
14	Flux Coupling Analysis of Genome-Scale Metabolic Network Reconstructions. Genome Research, 2004, 14, 301-312.	2.4	320
15	Review of the BRENDA Database. Metabolic Engineering, 2003, 5, 71-73.	3.6	41
16	In-phase and antiphase self-oscillations in a model of two electrically coupled pacemakers. Biological Cybernetics, 1994, 71, 153-160.	0.6	34
17	Modeling of coupled transport of ions and zwitterions across porous ion exchange membranes. Journal of Membrane Science, 1993, 79, 211-226.	4.1	3
18	Continuation techniques and interactive software for bifurcation analysis of ODEs and iterated maps. Physica D: Nonlinear Phenomena, 1993, 62, 360-371.	1.3	208