

Tatyana B Luzyanina

List of Publications by Year in descending order

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28
papers

1,413
citations

393982

19
h-index

610482

24
g-index

30
all docs

30
docs citations

30
times ranked

1153
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical bifurcation analysis of delay differential equations using DDE-BIFTOOL. ACM Transactions on Mathematical Software, 2002, 28, 1-21.	1.6	605
2	Underwhelming the Immune Response: Effect of Slow Virus Growth on CD8 + -T-Lymphocyte Responses. Journal of Virology, 2004, 78, 2247-2254.	1.5	99
3	Collocation Methods for the Computation of Periodic Solutions of Delay Differential Equations. SIAM Journal of Scientific Computing, 2001, 22, 1593-1609.	1.3	97
4	Numerical bifurcation analysis of delay differential equations. Journal of Computational and Applied Mathematics, 2000, 125, 265-275.	1.1	72
5	Numerical modelling of label-structured cell population growth using CFSE distribution data. Theoretical Biology and Medical Modelling, 2007, 4, 26.	2.1	54
6	Feedback regulation of proliferation vs. differentiation rates explains the dependence of CD4 T-cell expansion on precursor number. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3318-3323.	3.3	44
7	Computational analysis of CFSE proliferation assay. Journal of Mathematical Biology, 2006, 54, 57-89.	0.8	37
8	Computation, Continuation and Bifurcation Analysis of Periodic Solutions of Delay Differential Equations. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1997, 07, 2547-2560.	0.7	34
9	Asymmetry of Cell Division in CFSE-Based Lymphocyte Proliferation Analysis. Frontiers in Immunology, 2013, 4, 264.	2.2	34
10	Computing Stability of Differential Equations with Bounded Distributed Delays. Numerical Algorithms, 2003, 34, 41-66.	1.1	33
11	Efficient computation of characteristic roots of delay differential equations using LMS methods. Journal of Computational and Applied Mathematics, 2008, 214, 209-226.	1.1	32
12	Distributed parameter identification for a label-structured cell population dynamics model using CFSE histogram time-series data. Journal of Mathematical Biology, 2009, 59, 581-603.	0.8	32
13	Numerical stability analysis and computation of Hopf bifurcation points for delay differential equations. Journal of Computational and Applied Mathematics, 1996, 72, 379-392.	1.1	30
14	Low level viral persistence after infection with LCMV: a quantitative insight through numerical bifurcation analysis. Mathematical Biosciences, 2001, 173, 1-23.	0.9	30
15	COMPUTING FLOQUET MULTIPLIERS FOR FUNCTIONAL DIFFERENTIAL EQUATIONS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 2977-2989.	0.7	26
16	NUMERICAL BIFURCATION ANALYSIS OF DIFFERENTIAL EQUATIONS WITH STATE-DEPENDENT DELAY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2001, 11, 737-753.	0.7	25
17	A Systems Immunology Approach to Plasmacytoid Dendritic Cell Function in Cytopathic Virus Infections. PLoS Pathogens, 2010, 6, e1001017.	2.1	25
18	Bifurcation Analysis of Periodic Solutions of Neural Functional Differential Equations: A Case Study. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1998, 08, 1889-1905.	0.7	22

#	ARTICLE	IF	CITATIONS
19	Mathematical models for CFSE labelled lymphocyte dynamics: asymmetry and time-lag in division. Journal of Mathematical Biology, 2014, 69, 1547-1583.	0.8	21
20	Stochastic modeling of the impact of random forcing on persistent hepatitis B virus infection. Mathematics and Computers in Simulation, 2014, 96, 54-65.	2.4	19
21	Numerical bifurcation analysis of immunological models with time delays. Journal of Computational and Applied Mathematics, 2005, 184, 165-176.	1.1	13
22	Synchronization in an oscillator neural network model with time-delayed coupling. , 0, .		10
23	Numerical stability analysis of steady state solutions of \hat{A} integral \hat{A} equations with distributed delays. Applied Numerical Mathematics, 2004, 50, 75-92.	1.2	8
24	PERIODIC SOLUTIONS OF DIFFERENTIAL ALGEBRAIC EQUATIONS WITH TIME DELAYS: COMPUTATION AND STABILITY ANALYSIS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 67-84.	0.7	4
25	Critical Issues in the Numerical Treatment of the Parameter Estimation Problems in Immunology. Journal of Computational Mathematics, 2012, 30, 59-79.	0.2	2
26	Efficient and reliable stability analysis of solutions of delay differential equations. , 2006, , .		1
27	Synchronization in a neural network of phase oscillators with time delayed coupling. Radiophysics and Quantum Electronics, 1994, 37, 615-624.	0.1	0
28	APPROXIMATION OF THE CHARACTERISTIC ROOTS OF INTEGRAL EQUATIONS WITH DISTRIBUTED DELAYS. , 2005, , .		0