

# Ellina Grigorieva

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

226  
citations

1040056

9  
h-index

1199594

12  
g-index

46  
all docs

46  
docs citations

46  
times ranked

119  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mathematical insights on psoriasis regulation: Role of Th<sub>1</sub> and Th<sub>2</sub> cells. Mathematical Biosciences and Engineering, 2018, 15, 717-738.	1.9	24
2	Optimal Control for a SIR Epidemic Model with Nonlinear Incidence Rate. Mathematical Modelling of Natural Phenomena, 2016, 11, 89-104.	2.4	18
3	Optimal quarantine-related strategies for COVID-19 control models. Studies in Applied Mathematics, 2021, 147, 622-649.	2.4	16
4	MODELING AND OPTIMAL CONTROL FOR ANTIRETROVIRAL THERAPY. Journal of Biological Systems, 2014, 22, 199-217.	1.4	13
5	A MODEL OF THE OPTIMAL IMMUNOTHERAPY OF PSORIASIS BY INTRODUCING IL-10 AND IL-22 INHIBITORS. Journal of Biological Systems, 2020, 28, 609-639.	1.4	13
6	Mathematical Modeling and Control of the Cell Dynamics in Leprosy. Computational Mathematics and Modeling, 2021, 32, 52-74.	0.5	13
7	Optimal Intervention Strategies for a SEIR Control Model of Ebola Epidemics. Mathematics, 2015, 3, 961-983.	2.2	12
8	Optimal Control for an SEIR Epidemic Model with Nonlinear Incidence Rate. Studies in Applied Mathematics, 2018, 141, 353-398.	2.4	12
9	Optimal Vaccination, Treatment, and Preventive Campaigns in Regard to the SIR Epidemic Model. Mathematical Modelling of Natural Phenomena, 2014, 9, 105-121.	2.4	10
10	Finite-Dimensional Methods for Optimal Control of Autothermal Thermophilic Aerobic Digestion. , 0, , .		10
11	Minimization of Pollution Concentration on a Given Time Interval for the Waste Water Cleaning Plant. Journal of Control Science and Engineering, 2010, 2010, 1-10.	1.0	9
12	Parametrization of the attainable set for a nonlinear control model of a biochemical process. Mathematical Biosciences and Engineering, 2013, 10, 1067-1094.	1.9	8
13	Attainable Set of a Nonlinear Controlled Microeconomic Model. Journal of Dynamical and Control Systems, 2005, 11, 157-176.	0.8	6
14	Methods of Solving Sequence and Series Problems. , 2016, , .		6
15	Optimal control for a susceptible-infected-recovered infectious disease model. Journal of Coupled Systems and Multiscale Dynamics, 2013, 1, 324-331.	0.2	5
16	Methods of Solving Nonstandard Problems. , 2015, , .		4
17	Optimal Treatment Strategies for Control Model of Psoriasis. , 2017, , 86-93.		4
18	Analysis of optimal control problems for the process of wastewater biological treatment. Revista De Matemática: Teoría Y Aplicaciones, 2013, 20, 103-118.	0.1	4

#	ARTICLE	IF	CITATIONS
19	Optimal control for an epidemic in populations of varying size. , 2015, , .		4
20	Hierarchical differential game between manufacturer, retailer, and bank. Journal of Dynamical and Control Systems, 2009, 15, 359-391.	0.8	3
21	On a Third-Order Singular Arc of Optimal Control in a Minimization Problem for a Mathematical Model of Psoriasis Treatment. Proceedings of the Steklov Institute of Mathematics, 2019, 304, 281-291.	0.3	3
22	Optimal Control Problems for a Mathematical Model of the Treatment of Psoriasis. Computational Mathematics and Modeling, 2019, 30, 352-363.	0.5	3
23	Optimal control problem for a seir type model of ebola epidemics. Revista De Matemática: Teoría Y Aplicaciones, 2017, 24, 79-96.	0.1	3
24	Determination of the optimal controls for an Ebola epidemic model. Discrete and Continuous Dynamical Systems - Series S, 2018, 11, 1071-1101.	1.1	3
25	Solving the controllability problem for a nonlinear three-dimensional system. Moscow University Computational Mathematics and Cybernetics, 2012, 36, 8-13.	0.3	2
26	On Chattering Solutions for the Maximum Principle Boundary-Value Problem in the Optimal Control Problem in Microeconomics. Computational Mathematics and Modeling, 2014, 25, 158-168.	0.5	2
27	Time Optimal Control Problem for the Waste Water Biotreatment Model. Journal of Dynamical and Control Systems, 2015, 21, 3-24.	0.8	2
28	Cost-Effective Analysis of Control Strategies to Reduce the Prevalence of Cutaneous Leishmaniasis, Based on a Mathematical Model. Mathematical and Computational Applications, 2018, 23, 38.	1.3	2
29	Optimal Controls of the Highly Active Antiretroviral Therapy. Abstract and Applied Analysis, 2020, 2020, 1-23.	0.7	2
30	Optimal Strategies for Psoriasis Treatment. Mathematical and Computational Applications, 2018, 23, 45.	1.3	1
31	Optimal CAR T-cell Immunotherapy Strategies for a Leukemia Treatment Model. Games, 2020, 11, 53.	0.6	1
32	Optimal Control Theory: Introduction to the Special Issue. Games, 2021, 12, 29.	0.6	1
33	Optimal Strategies in the Treatment of Cancers in the Lotka-Volterra Mathematical Model of Competition. Proceedings of the Steklov Institute of Mathematics, 2021, 313, S100-S116.	0.3	1
34	Chattering and its approximation in control of psoriasis treatment. Discrete and Continuous Dynamical Systems - Series B, 2019, 24, 2251-2280.	0.9	1
35	ÐžÐžÑ, Ð¼ Ðº Ðº»ÑÐ ½Ñ¼ Ð¼ ÑÑ, ÑÐºÑ, Ð¼ Ð³ Ð, Ð» Ð¼Ñ± Ð¼ Ð½ Ð, Ñ»Ðº Ð³¼ Ð²Ñ«Ñ... Ð¼ Ð ± Ð³¼ Ð» Ð¼ Ð² Ð Ð½ ½ Ð, Ð¹ Ð² Ð¼ ÐÑ		
36	An Optimal Control Problem for Borrowing. Computational Mathematics and Modeling, 2015, 26, 14-34.	0.5	0

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37	Analytical Study of Optimal Control Intervention Strategies for Ebola Epidemic Model. , 2015, , 392-399.		0
38	An Environment-Protection Hierarchical Differential Game Between Enterprise and State. Computational Mathematics and Modeling, 2016, 27, 373-393.	0.5	0
39	«Optimal Control of a Two-Step Wastewater Biotreatment Process». Computational Mathematics and Modeling, 2017, 28, 572-605.		
40	OPTIMAL PRODUCTION AND SALES STRATEGIES FOR A COMPANY AT CHANGING MARKET PRICE. Revista De Matemática: Teoría Y Aplicaciones, 2015, 22, 89.	0.1	0
41	Reachable Set of a Control Model for Two-Step Wastewater Biotreatment. Computational Mathematics and Modeling, 2017, 28, 572-605.	0.5	0
42	Methods of Solving Number Theory Problems. , 2018, , .		0