

# Ellina Grigorieva

## List of Publications by Year in descending order

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42  
papers

226  
citations

1040056

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h-index

1199594

12  
g-index

46  
all docs

46  
docs citations

46  
times ranked

119  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Mathematical Modeling and Control of the Cell Dynamics in Leprosy. Computational Mathematics and Modeling, 2021, 32, 52-74.  | 0.5 | 13        |
| 2  | Optimal Control Theory: Introduction to the Special Issue. Games, 2021, 12, 29.  | 0.6 | 1         |
| 3  | Optimal Control of the Cell Dynamics in Leprosy. Computational Mathematics and Modeling, 2021, 32, 52-74.  | 0.5 | 13        |
| 4  | Optimal quarantine-related strategies for COVID-19 control models. Studies in Applied Mathematics, 2021, 147, 622-649.   | 2.4 | 16        |
| 5  | 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         |
| 6  | 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        |
| 7  | Optimal CAR T-cell Immunotherapy Strategies for a Leukemia Treatment Model. Games, 2020, 11, 53.   | 0.6 | 1         |
| 8  | Optimal Controls of the Highly Active Antiretroviral Therapy. Abstract and Applied Analysis, 2020, 2020, 1-23.   | 0.7 | 2         |
| 9  | Optimal Control of the Cell Dynamics in Leprosy. Computational Mathematics and Modeling, 2021, 32, 52-74.  | 0.5 | 13        |
| 10 | 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         |
| 11 | Optimal Control Problems for a Mathematical Model of the Treatment of Psoriasis. Computational Mathematics and Modeling, 2019, 30, 352-363.  | 0.5 | 3         |
| 12 | Chattering and its approximation in control of psoriasis treatment. Discrete and Continuous Dynamical Systems - Series B, 2019, 24, 2251-2280.   | 0.9 | 1         |
| 13 | 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         |
| 14 | Optimal Strategies for Psoriasis Treatment. Mathematical and Computational Applications, 2018, 23, 45.   | 1.3 | 1         |
| 15 | Optimal Control for an SEIR Epidemic Model with Nonlinear Incidence Rate. Studies in Applied Mathematics, 2018, 141, 353-398.  | 2.4 | 12        |
| 16 | Determination of the optimal controls for an Ebola epidemic model. Discrete and Continuous Dynamical Systems - Series S, 2018, 11, 1071-1101.  | 1.1 | 3         |
| 17 | Mathematical insights on psoriasis regulation: Role of Th1 and Th2 cells. Mathematical Biosciences and Engineering, 2018, 15, 717-738.   | 1.9 | 24        |
| 18 | Methods of Solving Number Theory Problems. , 2018, , .   |     | 0         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Optimal Treatment Strategies for Control Model of Psoriasis. , 2017, , 86-93.   |     | 4         |
| 20 | Optimal control problem for a seir type model of ebola epidemics. Revista De Matemática: Teoría Y Aplicaciones, 2017, 24, 79-96.  | 0.1 | 3         |
| 21 | Reachable Set of a Control Model for Two-Step Wastewater Biotreatment. Computational Mathematics and Modeling, 2017, 28, 572-605.   | 0.5 | 0         |
| 22 | Methods of Solving Sequence and Series Problems. , 2016, , .  |     | 6         |
| 23 | Optimal Control for a SIR Epidemic Model with Nonlinear Incidence Rate. Mathematical Modelling of Natural Phenomena, 2016, 11, 89-104.  | 2.4 | 18        |
| 24 | An Environment-Protection Hierarchical Differential Game Between Enterprise and State. Computational Mathematics and Modeling, 2016, 27, 373-393.                                     | 0.5 | 0         |
| 25 | Optimal Intervention Strategies for a SEIR Control Model of Ebola Epidemics. Mathematics, 2015, 3, 961-983.   | 2.2 | 12        |
| 26 | An Optimal Control Problem for Borrowing. Computational Mathematics and Modeling, 2015, 26, 14-34.  | 0.5 | 0         |
| 27 | Analytical Study of Optimal Control Intervention Strategies for Ebola Epidemic Model. , 2015, , 392-399.  |     | 0         |
| 28 | Methods of Solving Nonstandard Problems. , 2015, , .  |     | 4         |
| 29 | Time Optimal Control Problem for the Waste Water Biotreatment Model. Journal of Dynamical and Control Systems, 2015, 21, 3-24.  | 0.8 | 2         |
| 30 | OPTIMAL PRODUCTION AND SALES STRATEGIES FOR A COMPANY AT CHANGING MARKET PRICE. Revista De Matemática: Teoría Y Aplicaciones, 2015, 22, 89.   | 0.1 | 0         |
| 31 | Optimal control for an epidemic in populations of varying size. , 2015, , .   |     | 4         |
| 32 | 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        |
| 33 | 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         |
| 34 | MODELING AND OPTIMAL CONTROL FOR ANTIRETROVIRAL THERAPY. Journal of Biological Systems, 2014, 22, 199-217.  | 1.4 | 13        |
| 35 | 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         |
| 36 | Optimal control for a susceptible-infected-recovered infectious disease model. Journal of Coupled Systems and Multiscale Dynamics, 2013, 1, 324-331.                                  | 0.2 | 5         |

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|----|--|-----|-----------|
| 37 | 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         |
| 38 | Solving the controllability problem for a nonlinear three-dimensional system. Moscow University Computational Mathematics and Cybernetics, 2012, 36, 8-13.         | 0.3 | 2         |
| 39 | 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         |
| 40 | Hierarchical differential game between manufacturer, retailer, and bank. Journal of Dynamical and Control Systems, 2009, 15, 359-391.                              | 0.8 | 3         |
| 41 | Attainable Set of a Nonlinear Controlled Microeconomic Model. Journal of Dynamical and Control Systems, 2005, 11, 157-176.   | 0.8 | 6         |
| 42 | Finite-Dimensional Methods for Optimal Control of Autothermal Thermophilic Aerobic Digestion. , 0, , .   |     | 10        |