

# Denis Solovev

## List of Publications by Year in descending order

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Version: 2024-02-01

93  
papers

782  
citations

623734

14  
h-index

794594

19  
g-index

97  
all docs

97  
docs citations

97  
times ranked

233  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Mathematic simulation of mining company's power demand forecast (by example of "Neryungri-coal") Tj ETQq1 1 0,784314   | 0.3 | 32        |
| 2  | Energy Parameters of the Binder during Activation in the Vortex Layer Apparatus. Materials Science Forum, 2019, 945, 98-103.   | 0.3 | 31        |
| 3  | Basic Robotecchnical Platform for Implementation of Accurate Farming Technologies. Bulletin of Electrical Engineering and Informatics, 2018, 7, 522-528.   | 0.8 | 27        |
| 4  | Cooling Load Calculations. IOP Conference Series: Materials Science and Engineering, 2018, 463, 032030.  | 0.6 | 26        |
| 5  | Analyzing Upcoming Trends in Development of Current Transducers for Automatic Equipment and Relay Protection: a Review. International Review of Electrical Engineering, 2015, 10, 381.                   | 0.2 | 26        |
| 6  | Instrument current transducer for measurements in asymmetrical conditions in three-phase circuits with upper harmonics. International Journal of Electrical Power and Energy Systems, 2017, 84, 195-201. | 5.5 | 25        |
| 7  | Interaction of Tops of Domains in Metal Nano of the Film. Materials Science Forum, 0, 945, 771-775.  | 0.3 | 23        |
| 8  | Instrument current transducers with Rogowski coils in protective relaying applications. International Journal of Electrical Power and Energy Systems, 2015, 73, 107-113.                                 | 5.5 | 22        |
| 9  | Implementation of noise-immune Rogowski coils for busbar differential protection modernization. Electric Power Systems Research, 2016, 140, 965-975.   | 3.6 | 22        |
| 10 | Energy and Exergy Analysis of Clinker Cooler in the Cement Industry. IOP Conference Series: Materials Science and Engineering, 2018, 463, 032101.  | 0.6 | 21        |
| 11 | Modeling the Propagation of Elastic Ultrasonic Waves in Isotropic and Anisotropic Materials when Excited by Various Sources. Materials Science Forum, 0, 945, 926-931.                                   | 0.3 | 21        |
| 12 | Unexplored soils of the Western Yakutia. IOP Conference Series: Materials Science and Engineering, 2018, 463, 022001.  | 0.6 | 19        |
| 13 | Algorithmization and Principles of Construction of Information Support of the Automated Module for Energy Outlays Optimization of Technological Processes at Robotized Productions. , 2018, ,            |     | 18        |
| 14 | Dynamics of the Localized Pulse in Bubbly Liquid. IOP Conference Series: Materials Science and Engineering, 2018, 463, 022002.   | 0.6 | 18        |
| 15 | Experimental Data Based Current Transformer Mathematical Simulation in Micro-Cap Program. International Review of Electrical Engineering, 2018, 13, 149.   | 0.2 | 18        |
| 16 | Consideration of an Ecosystem From the Standpoint of Theory and Practice of Managing Production Systems. IOP Conference Series: Materials Science and Engineering, 2018, 463, 022003.                    | 0.6 | 17        |
| 17 | Selection of Digital Filter for Microprocessor Protection Relays. International Journal of Electrical and Computer Engineering, 2018, 8, 1498.   | 0.7 | 17        |
| 18 | Rang Analysis of Distributed Electricity Consumers of Decentralized Energy Zones of the North and Arctic Regions of the Russian Federation. , 2018, ,  |     | 16        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Intelligent System for Prognostication and Optimization of Power Expenses of Technological Processes at Robotized Productions. , 2018, , .  |     | 16        |
| 20 | Study of transient current measurement using micro-CAP circuit simulator. , 2016, , .   |     | 15        |
| 21 | Investigation of the Stages of Damage Accumulation in Polymer Composite Materials. Materials Science Forum, 0, 945, 515-521.  | 0.3 | 15        |
| 22 | Construction of a Generalized Fatigue Diagram of Metallic Materials. Materials Science Forum, 2019, 945, 563-568.   | 0.3 | 15        |
| 23 | Forecasting Methods Applied to Oil Production Deposits at Bazhenov Formation. IOP Conference Series: Materials Science and Engineering, 0, 463, 022005.   | 0.6 | 15        |
| 24 | Novel Active Current Transducers for Diesel Power Stations. International Journal of Power Electronics and Drive Systems, 2016, 7, 152.   | 0.6 | 13        |
| 25 | Features of the Geological Structure and Estimation of the Extraction Potential of the Sediments of the Bazhenov Formation in the Territory of Khanty-Mansiysk Autonomous Okrug. IOP Conference Series: Materials Science and Engineering, 2018, 463, 022004. | 0.6 | 12        |
| 26 | Estimation of Energy Consumption of DM-H Drill Rig Main Drive in Far North Conditions. , 2018, , .  |     | 12        |
| 27 | Analysis of Modeling of Current Differential Protection. International Journal of Power Electronics and Drive Systems, 2015, 6, 423.  | 0.6 | 12        |
| 28 | Improvement of protective relaying efficiency for motor drives at mineral processing plants. , 2017, , .  |     | 11        |
| 29 | The Use of Effective Design Solutions and High-Tech Building Materials for Reconstructing Residential Buildings of Mass Development in 1960-1990. IOP Conference Series: Materials Science and Engineering, 2020, 753, 032027.                                | 0.6 | 11        |
| 30 | An Optimal and Quasi-optimal Alternatives Determination in the Multicriteria Marketing Researches. Smart Innovation, Systems and Technologies, 2020, , 826-833.   | 0.6 | 10        |
| 31 | Study of transients in measuring circuits for negative sequence currents based on using rogowski coils. , 2016, , .   |     | 9         |
| 32 | Exploring Research Methods and Dynamic Systems Toward Economic Development: An Overview. Smart Innovation, Systems and Technologies, 2020, , 1-29.  | 0.6 | 9         |
| 33 | Influence of Crumb Rubber Vulcanization Degree on the Quality of Asphalt Concrete Used in Road Construction. Materials Science Forum, 0, 992, 31-35.  | 0.3 | 9         |
| 34 | Modelling of Ultrasonic Concentrators for Processing of Volume Nanostructured Materials. Materials Science Forum, 0, 992, 940-946.  | 0.3 | 9         |
| 35 | Use of Portal Monitors for Detection of Technogenic Radioactive Sources in Scrap Metal. IOP Conference Series: Materials Science and Engineering, 2017, 262, 012198.  | 0.6 | 8         |
| 36 | Instrument current transducer for protective relaying systems. , 2017, , .  |     | 8         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Decomposition of Methane Hydrate with Heat Exposure. IOP Conference Series: Earth and Environmental Science, 2019, 272, 032239.   | 0.3 | 8         |
| 38 | Synthesis of Modal PI-Regulator with Multiple Integration. , 2019, , .  |     | 8         |
| 39 | MATLAB for Simulation-Based Innovation Performance Assessment. , 2019, , .  |     | 8         |
| 40 | Design of Intelligent Decision Support System for Robotized Welding Technological Processes Optimization. , 2019, , .   |     | 8         |
| 41 | Failure Analysis of Polymer Blinder Using Acoustic Emission Method. Materials Science Forum, 2020, 992, 1030-1035.  | 0.3 | 8         |
| 42 | Features of a Power Consumption of the Main Electro receivers of Coal Mine in the Conditions of the South of the Far East of the Russian Federation. IOP Conference Series: Earth and Environmental Science, 2019, 272, 022001. | 0.3 | 7         |
| 43 | Synthesis of an Adaptive System for Diagnosing the Quality of Automated Welding Products. , 2019, , .   |     | 7         |
| 44 | The Impact Evaluation of Factors on the Adhesion of Modified Polytetrafluoroethylene Films in a Glow Discharge Non-Thermal Plasma. Materials Science Forum, 0, 992, 658-662.  | 0.3 | 7         |
| 45 | Visualization of the Cargo Orientation in Space under Movement by a Tower Crane in Low Visibility Conditions. IOP Conference Series: Materials Science and Engineering, 2020, 753, 032065.                                      | 0.6 | 7         |
| 46 | Possibility Justification of Application of the Mecanochemical Method during Preparation of the Metal Structures' Surfaces under Repair and Reconstruction. Materials Science Forum, 2020, 992, 585-589.                        | 0.3 | 7         |
| 47 | Increase in Efficiency of Use of Pedestrian Radiation Portal Monitors. IOP Conference Series: Materials Science and Engineering, 2017, 262, 012200.   | 0.6 | 6         |
| 48 | The Prospects of Chemical Fuel Cells for Private Generation. , 2019, , .  |     | 6         |
| 49 | Formation of the Sustainable Development Strategy of the Enterprises of Construction Complex and Housing Utility Services. IOP Conference Series: Materials Science and Engineering, 2020, 753, 062006.                         | 0.6 | 6         |
| 50 | The Study of Cement Concrete with Improved Properties Based on the Use of Astivated Silica Fume. Materials Science Forum, 0, 992, 228-232.  | 0.3 | 6         |
| 51 | IT Application for Organizing of Research Competitions. , 2019, , .   |     | 5         |
| 52 | Scalable System with Rogowski Coil for E-management of Detection and Measurement of PLC Interference in Electric Power Grids. , 2019, , .   |     | 5         |
| 53 | Psychological Characteristics of Cadets from the Military Schools as Subjects of Educational Activity. Smart Innovation, Systems and Technologies, 2020, , 1025-1038.   | 0.6 | 5         |
| 54 | Hardware Support of the Periodic Component Detection Algorithm Based on Zero-Crossing. , 2018, , .  |     | 4         |

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|----|--|-----|-----------|
| 55 | Specifics of assessing energy security of isolated energy service areas in territories with harsh climatic conditions. International Journal of Energy Technology and Policy, 2019, 15, 236.   | 0.2 | 4         |
| 56 | Organization of Management of Social and Economic Systems of the Region in the Conditions of the Required Technosphere Safety. IOP Conference Series: Earth and Environmental Science, 2020, 459, 022081.                                    | 0.3 | 4         |
| 57 | PCM Bearing Capacity Prediction Criteria Development Based on Registered AE Parameters. IOP Conference Series: Earth and Environmental Science, 0, 459, 062105.  | 0.3 | 4         |
| 58 | Environmental Problems Mining Industry in the Arctic. IOP Conference Series: Earth and Environmental Science, 2019, 272, 022055.   | 0.3 | 3         |
| 59 | Designing an Adaptive Software and Hardware Complex for Converting Solar Energy. , 2019, , .   |     | 3         |
| 60 | Sensitivity Analysis of Adaptive Holographic Fiber-Optic Acoustic Emission Sensors during the Registration of Acoustic Waves In a Plate. IOP Conference Series: Earth and Environmental Science, 2020, 459, 062104.                          | 0.3 | 3         |
| 61 | Challenges of Implementing Rating System for Knowledge Assessment at the Russian Higher Education Institutions. Smart Innovation, Systems and Technologies, 2019, , 1-11.  | 0.6 | 3         |
| 62 | Estimation of the Service Lifetime of Layered Heat-Resistant Ni-Al and Ni-Cr-Al Coatings. IOP Conference Series: Earth and Environmental Science, 0, 459, 062113.  | 0.3 | 3         |
| 63 | Model of Organizational Behavior in a Hierarchical Structure. IOP Conference Series: Earth and Environmental Science, 2020, 459, 042003.   | 0.3 | 2         |
| 64 | Algorithmic Approach to the Assessment of Innovation. Smart Innovation, Systems and Technologies, 2020, , 31-50.   | 0.6 | 2         |
| 65 | The Grounds of Subject Area of Technosphere Studies. IOP Conference Series: Earth and Environmental Science, 2019, 272, 032022.  | 0.3 | 1         |
| 66 | Improvement Possibilities of the Ways of the Bore Mud Desalinization. IOP Conference Series: Earth and Environmental Science, 2019, 272, 032047.   | 0.3 | 1         |
| 67 | Social Poll, as One of the Most Important Elements of a Complex Approach for Improvement of Banking. IOP Conference Series: Earth and Environmental Science, 2020, 459, 032089.  | 0.3 | 1         |
| 68 | Increased Diamond Recovery from Metasomatically Altered Kimberlite Ores Through the Use of Ultrasonic and Electrochemical Effects in the Sticky Separation Cycle. IOP Conference Series: Earth and Environmental Science, 2020, 459, 052095. | 0.3 | 1         |
| 69 | Intelligent Control Algorithm for an Automated Autonomous Power Supply System. , 2020, , .   |     | 1         |
| 70 | Analysis and Evaluation of Factors of the Production Environment and Labor Process during a Special Assessment of Working Conditions in Company "NPO SM": IOP Conference Series: Earth and Environmental Science, 2020, 459, 032040.         | 0.3 | 1         |
| 71 | Vertical Distribution of Cs-137 in Soils of Orel Region 30 Years after Chernobyl Accident. IOP Conference Series: Materials Science and Engineering, 2020, 753, 052040.  | 0.6 | 1         |
| 72 |  |     |           |

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|----|---|-----|-----------|
| 73 | Methodology of Assessment and Analysis of Regional Competitiveness Based on the Evolutionary Theory. , 2019, , .  |     | 1         |
| 74 | The Planning Process During Military Decision. SSRN Electronic Journal, 0, , .  | 0.4 | 1         |
| 75 | Conceptual Model of Using Pattern Recognition in Mechatronics. , 2019, , .  |     | 0         |
| 76 | Reliability of Billboards Fixing Constructions in the Operational Period. IOP Conference Series: Earth and Environmental Science, 2020, 459, 032039.  | 0.3 | 0         |
| 77 | Human Resources Policy of the Enterprise in the Conditions of Digitalization of the Economy: Change of Content and Prospects of Formation. IOP Conference Series: Earth and Environmental Science, 2020, 459, 042050. | 0.3 | 0         |
| 78 | The Effect of Radon Concentration at Liquid Nitrogen Temperature. IOP Conference Series: Earth and Environmental Science, 2020, 459, 052019.  | 0.3 | 0         |
| 79 | Synthesis of an Optimally-Modal PI-Regulator in a Position Control System of Mechatronic Module. , 2020, , .  |     | 0         |
| 80 | Assessment of the Impact of Fires on the Steppe Phytocenoses of the Russian Federation. IOP Conference Series: Earth and Environmental Science, 2020, 459, 042033.  | 0.3 | 0         |
| 81 | The Content of the Physical Education in the Strategic Forces. IOP Conference Series: Earth and Environmental Science, 2020, 459, 042049.   | 0.3 | 0         |
| 82 | Life Environmental Assessment of Housing Safety as a Necessary Condition for Technosphere Human Security. IOP Conference Series: Materials Science and Engineering, 2020, 753, 052039.                                | 0.6 | 0         |
| 83 | Quality Function Deployment Method for Development of Innovative Production. , 2019, , .  |     | 0         |
| 84 | Artificial Neural Network Model for Systems of Economic Security of Bank. , 2019, , .   |     | 0         |
| 85 | Assessment of Efficiency of the Innovative Hub by Means of Algorithms of the Indistinct Output. , 2019, , .   |     | 0         |
| 86 | Mathematical Modeling in Innovation. Smart Innovation, Systems and Technologies, 2019, , 603-610.   | 0.6 | 0         |
| 87 | Regulating Social Development and the Concept of Controlling. SSRN Electronic Journal, 0, , .   | 0.4 | 0         |
| 88 | Role of Ethics in Decision Making in Public and Private Organizations. SSRN Electronic Journal, 0, , .  | 0.4 | 0         |
| 89 | The Planning Process during Military Decision. SSRN Electronic Journal, 0, , .  | 0.4 | 0         |
| 90 | Recurrent Method for Singular Spectrum Analysis (SSA) of Electricity Consumption. , 2020, , .   |     | 0         |

| #  | ARTICLE  | IF | CITATIONS |
|----|--|----|-----------|
| 91 | Vector Method for Singular Spectrum Analysis (SSA) of Electricity Consumption. , 2020, , . |    | 0         |
| 92 | Simulation Modeling as a Method for Studying Innovation Activity Elements. , 2020, , .     |    | 0         |
| 93 | Identification of Images in Mechatronics through a Neural Network. , 2020, , .             |    | 0         |