

# Denis Solovev

## List of Publications by Year in descending order

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Version: 2024-02-01

93  
papers

782  
citations

623574

14  
h-index

794469

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	0,2	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.	0.6	27
4	Cooling Load Calculations. IOP Conference Series: Materials Science and Engineering, 2018, 463, 032030.	0.3	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.	0.1	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.	3.3	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.	3.3	22
9	Implementation of noise-immune Rogowski coils for busbar differential protection modernization. Electric Power Systems Research, 2016, 140, 965-975.	2.1	22
10	Energy and Exergy Analysis of Clinker Cooler in the Cement Industry. IOP Conference Series: Materials Science and Engineering, 2018, 463, 032101.	0.3	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.	0.3	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.	0.3	18
15	Experimental Data Based Current Transformer Mathematical Simulation in Micro-Cap Program. International Review of Electrical Engineering, 2018, 13, 149.	0.1	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.	0.3	17
17	Selection of Digital Filter for Microprocessor Protection Relays. International Journal of Electrical and Computer Engineering, 2018, 8, 1498.	0.5	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.	0.3	15
24	Novel Active Current Transducers for Diesel Power Stations. International Journal of Power Electronics and Drive Systems, 2016, 7, 152.	0.5	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.	0.3	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.	0.5	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.	0.3	11
30	An Optimal and Quasi-optimal Alternatives Determination in the Multicriteria Marketing Researches. Smart Innovation, Systems and Technologies, 2020, , 826-833.	0.5	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.	0.5	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.	0.3	8
36	Instrument current transducer for protective relaying systems. , 2017, , .		8

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37	Decomposition of Methane Hydrate with Heat Exposure. IOP Conference Series: Earth and Environmental Science, 2019, 272, 032239.	0.2	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.	0.2	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.	0.3	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.	0.3	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.	0.3	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.	0.5	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.	0.1	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.	0.2	4
57	PCM Bearing Capacity Prediction Criteria Development Based on Registered AE Parameters. IOP Conference Series: Earth and Environmental Science, 0, 459, 062105.	0.2	4
58	Environmental Problems Mining Industry in the Arctic. IOP Conference Series: Earth and Environmental Science, 2019, 272, 022055.	0.2	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.	0.2	3
61	Challenges of Implementing Rating System for Knowledge Assessment at the Russian Higher Education Institutions. Smart Innovation, Systems and Technologies, 2019, , 1-11.	0.5	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.	0.2	3
63	Model of Organizational Behavior in a Hierarchical Structure. IOP Conference Series: Earth and Environmental Science, 2020, 459, 042003.	0.2	2
64	Algorithmic Approach to the Assessment of Innovation. Smart Innovation, Systems and Technologies, 2020, , 31-50.	0.5	2
65	The Grounds of Subject Area of Technosphere Studies. IOP Conference Series: Earth and Environmental Science, 2019, 272, 032022.	0.2	1
66	Improvement Possibilities of the Ways of the Bore Mud Desalinization. IOP Conference Series: Earth and Environmental Science, 2019, 272, 032047.	0.2	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.	0.2	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.	0.2	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.	0.2	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.	0.3	1
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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.	0.2	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.	0.2	0
78	The Effect of Radon Concentration at Liquid Nitrogen Temperature. IOP Conference Series: Earth and Environmental Science, 2020, 459, 052019.	0.2	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.	0.2	0
81	The Content of the Physical Education in the Strategic Forces. IOP Conference Series: Earth and Environmental Science, 2020, 459, 042049.	0.2	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.	0.3	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.	0.5	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