

Igor Kovalev

List of Publications by Year in descending order

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76
papers

211
citations

1307594

7
h-index

1372567

10
g-index

80
all docs

80
docs citations

80
times ranked

66
citing authors

#	ARTICLE	IF	CITATIONS
1	Applying filtering for determining the angular orientation of spinning objects during interference. IOP Conference Series: Materials Science and Engineering, 2016, 155, 012020.	0.6	11
2	The concept of creation of information system for environmental monitoring based on modern GIS-technologies and earth remote sensing data. IOP Conference Series: Materials Science and Engineering, 2015, 94, 012023.	0.6	10
3	N-version design of fault-tolerant control software for communications satellite system. , 2015, , .		10
4	Model implementation of the simulation environment of voting algorithms, as a dynamic system for increasing the reliability of the control complex of autonomous unmanned objects. MATEC Web of Conferences, 2017, 132, 04011.	0.2	9
5	The efficiency analysis of the automated plants. IOP Conference Series: Materials Science and Engineering, 2015, 70, 012007.	0.6	8
6	Model of the reliability analysis of the distributed computer systems with architecture "client-server". IOP Conference Series: Materials Science and Engineering, 2015, 70, 012009.	0.6	8
7	Solving navigation-temporal tasks in different coordinate systems. IOP Conference Series: Materials Science and Engineering, 2018, 450, 022029.	0.6	7
8	To the question about the states of workability for automatic control systems with complicated structure. IOP Conference Series: Materials Science and Engineering, 2016, 122, 012020.	0.6	6
9	Development of methods for equivalent transformation of GERT networks for application in multi-version software. IOP Conference Series: Materials Science and Engineering, 2016, 155, 012015.	0.6	6
10	Multiversion environment creation for control algorithm execution by autonomous unmanned objects. IOP Conference Series: Materials Science and Engineering, 2017, 173, 012025.	0.6	6
11	Pseudolite systems for close-range navigation: the problem of synchronization*. IOP Conference Series: Materials Science and Engineering, 2017, 255, 012011.	0.6	6
12	Synthesis of an algorithm for interference immunity. IOP Conference Series: Materials Science and Engineering, 2016, 155, 012019.	0.6	5
13	Simulation modeling of functional adaptive interference nulling for multibeam hybrid reflector antenna systems. IOP Conference Series: Materials Science and Engineering, 2016, 155, 012017.	0.6	5
14	An adaptive algorithm for interference suppression in phased antenna arrays [*] . IOP Conference Series: Materials Science and Engineering, 2017, 255, 012009.	0.6	5
15	Measurement accuracy of real time parameters in environmental monitoring. IOP Conference Series: Materials Science and Engineering, 2018, 450, 062012.	0.6	5
16	Deriving the optimal structure of N-version software under resource requirements and cost/timing constraints. , 0, , .		4
17	The control of developing a structure of a catastrophe-resistant system of information processing and control. IOP Conference Series: Materials Science and Engineering, 2015, 70, 012008.	0.6	4
18	Dangerous failures in multifunctional systems. IOP Conference Series: Materials Science and Engineering, 2015, 94, 012019.	0.6	4

#	ARTICLE	IF	CITATIONS
55	The pseudo-Boolean optimization approach to form the N-version software structure. IOP Conference Series: Materials Science and Engineering, 2015, 94, 012013.	0.6	0
56	Model prototype utilization in the analysis of fault tolerant control and data processing systems. IOP Conference Series: Materials Science and Engineering, 2016, 122, 012017.	0.6	0
57	Vector control of wind turbine on the basis of the fuzzy selective neural net*. IOP Conference Series: Materials Science and Engineering, 2016, 122, 012007.	0.6	0
58	Building automation system of payment platform weight component for large spacecraft reflector. IOP Conference Series: Materials Science and Engineering, 2016, 122, 012016.	0.6	0
59	The National Forest Heritage of the Altai-Sayan Ecoregion. IOP Conference Series: Materials Science and Engineering, 2016, 155, 012044.	0.6	0
60	Relation optimization of the starting and main stages of rockets with short-running engine on the external oxidizer. IOP Conference Series: Materials Science and Engineering, 2016, 155, 012040.	0.6	0
61	Control of technical object on the basis of the multi-agent system with neuroevolution and student-teacher of-line learning. IOP Conference Series: Materials Science and Engineering, 2016, 155, 012001.	0.6	0
62	Formation and control system by the specialized data in information networks. IOP Conference Series: Materials Science and Engineering, 2016, 122, 012018.	0.6	0
63	Intelligent control of PV system on the basis of the fuzzy recurrent neuronet*. IOP Conference Series: Materials Science and Engineering, 2016, 122, 012006.	0.6	0
64	Formation of dislocation loops and voids in electron irradiated zinc selenide single crystals. IOP Conference Series: Materials Science and Engineering, 2017, 255, 012014.	0.6	0
65	Basic requirements and principles for the compensation system development. IOP Conference Series: Materials Science and Engineering, 2018, 450, 032009.	0.6	0
66	The formalized approach of building a network controller for the information handling automated process control system of the technological control cycle. IOP Conference Series: Materials Science and Engineering, 2018, 450, 042014.	0.6	0
67	Application of cascade-connected regulation in the implementation of the software of weight component compensation system. IOP Conference Series: Materials Science and Engineering, 2018, 450, 022003.	0.6	0
68	Dependent failure in multifunctional automatic control systems. IOP Conference Series: Materials Science and Engineering, 2018, 450, 032013.	0.6	0
69	Genetic algorithms of physical modelling with postcrossover survival. IOP Conference Series: Materials Science and Engineering, 2018, 450, 042008.	0.6	0
70	The implementation of measures for reduction an inertia of the interaction components of the heterogeneous environment for the automated process control system. IOP Conference Series: Materials Science and Engineering, 2018, 450, 042015.	0.6	0
71	Analysis of the intellectual interaction of mechanical autonomous systems. IOP Conference Series: Materials Science and Engineering, 2018, 450, 032005.	0.6	0
72	Optimization of electronic document management systems by means of encoding and visualization of stored data in the integrated development environment. MATEC Web of Conferences, 2018, 226, 04021.	0.2	0

#	ARTICLE	IF	CITATIONS
73	Social Importance Of Scientific And Educational Projects In The Modern Youth Environment. , 0, , .		0
74	The practical approach to the reliability analysis of the software architecture of a complex company control system. IOP Conference Series: Materials Science and Engineering, 2015, 94, 012011.	0.6	0
75	MPPT of a Partially Shaded Photovoltaic Module by Ant Lion Optimizer. Lecture Notes in Computer Science, 2016, , 451-457.	1.3	0
76	Prototyping for communication, navigation and power supply subsystems of on-board equipment of unmanned aerial vehicles. AIP Conference Proceedings, 2021, , .	0.4	0