

Iaroslav V Lytvynenko

List of Publications by Year in descending order

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23
papers

85
citations

1937685

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23
docs citations

23
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72
citing authors

#	ARTICLE	IF	CITATIONS
1	Concept of design, requirements and generalized architectures of components of the integrated onto-oriented information environment of simulation and processing of cyclic signals. Scientific Journal of the Ternopil National Technical University, 2021, 102, 147-160.	0.3	0
2	Methods for Estimating the Discrete Rhythmic Structure of Cyclic Random Processes Using Adaptive Interpolation. Advances in Intelligent Systems and Computing, 2021, , 614-627.	0.6	0
3	Modeling and Methods of Statistical Processing of a Vector Rhythmiccardiosignal. Open Bioinformatics Journal, 2021, 14, 73-86.	1.0	1
4	A New Method for Modeling the Cyclic Structure of the Surface Microrelief of Titanium Alloy Ti6Al4V After Processing with Femtosecond Pulses. Materials, 2020, 13, 4983.	2.9	4
5	Microdefects of Biocorroded Pipe Steel Surfaces and Safety Assessment of Localized Stress Concentrators. Metals, 2020, 10, 852.	2.3	3
6	Detection of Microdefects on the Surfaces of Corroded Steel Pipes. Materials Science, 2020, 56, 400-409.	0.9	2
7	Method of Automatic Rhythmiccardiogram Formation with the Increased Informativeness by Means of the Electrocardiogram Processing. , 2020, , .		0
8	Method of Statistical Processing of Discrete Cycle Random Processes, by their Reduction to Isomorphic Periodic Random Sequences. , 2020, , .		1
9	Method of Evaluation of Discrete Rhythm Structure of Cyclic Signals with the Help of Adaptive Interpolation. , 2020, , .		2
10	Processing of Vector Rhythmiccardiosignal Based on Software Complex. , 2020, , .		1
11	Modelling Kinetics of Dynamic Crack Propagation in a Gas Mains Pipe as Cyclic Random Process. Lecture Notes in Networks and Systems, 2018, , 262-269.	0.7	3
12	Application of an Additive Mathematical Model of Cyclic Random Processes and a Deterministic Trend Function to the Analysis of Fracture of the Gas Pipeline. Materials Science, 2018, 54, 96-106.	0.9	0
13	Analysis of Fracture Characteristic of a Gas Main Pipe on the Basis of the Additive Mathematical Model of the Cyclic Random Process and Polynomial Function. IOP Conference Series: Earth and Environmental Science, 2018, 115, 012047.	0.3	1
14	Diagnostic features of relief formations on the nanostructured titanium VT1-0 surface after laser shock-wave treatment. IOP Conference Series: Materials Science and Engineering, 2017, 177, 012084.	0.6	0
15	Software for segmentation, statistical analysis and modeling of surface ordered structures. AIP Conference Proceedings, 2016, , .	0.4	2
16	Modeling of the Ordered Surface Topography of Statically Deformed Aluminum Alloy. Materials Science, 2016, 52, 113-122.	0.9	10

#	ARTICLE	IF	CITATIONS
19	Analysis of the state of the modified nanotitanium surface with the use of the mathematical model of a cyclic random process. Optoelectronics, Instrumentation and Data Processing, 2015, 51, 254-263.	0.6	11
20	Processing and modeling of ordered relief at the surface of heat-resistant steels after laser irradiation as a cyclic random process. Automatic Control and Computer Sciences, 2014, 48, 1-9.	0.8	14
21	Analysis of multiple cracking of nanocoating as a cyclic random process. Optoelectronics, Instrumentation and Data Processing, 2013, 49, 164-170.	0.6	4
22	Influence of deformation process in material at multiple cracking and fragmentation of nanocoating. Theoretical and Applied Fracture Mechanics, 2012, 57, 43-48.	4.7	18
23	Segmentation and Statistical Processing of Geometric and Spatial Data on Self-Organized Surface Relief of Statically Deformed Aluminum Alloy. Applied Mechanics and Materials, 0, 770, 288-293.	0.2	8