Zdenek Vintr

List of Publications by Year
in descending order

45 papers	110 citations	3 h-index	7 g-index
45 all docs	45 docs citations	45 times ranked	88 citing authors

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#	ARTICLE	IF	CITATIONS
1	Reliability modelling and analysis of water distribution network based on backpropagation recursive processes with real field data. Measurement: Journal of the International Measurement Confederation, 2020, 149, 107026.	5.0	20
2	Modeling and Analysis of the Reliability of Systems with One-shot Items. , 2007, , .		12
3	A Tool for Decision Making in K-Out-of-N System Maintenance. Applied Mechanics and Materials, 0, 110-116, 5257-5264.	0.2	11
4	Evaluation of physical protection system effectiveness. , 2012, , .		8
5	Estimate of Warranty Costs Based on Research of the Customer's Behavior. , 2007, , .		6
6	Platinum thermometer failure estimation based on dynamic linear models. Engineering Failure Analysis, 2019, 101, 418-435.	4.0	6
7	Does appropriate software support for target identification exist?. , 2011, , .		5
8	Mathematical analysis of soot particles in oil used as system state indicator. , 2016, , .		5
9	Degradation process and failure estimation of drilling system based on real data and diffusion process supported by state space models. Measurement: Journal of the International Measurement Confederation, 2020, 164, 108076.	5.0	5
10	Attack tree-based evaluation of physical protection systems vulnerability. , 2012, , .		4
11	Application of fuzzy inference system for analysis of oil field data to optimize combustion engine maintenance. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2019, 233, 3736-3745.	1.9	3
12	Drilling head knives degradation modelling based on stochastic diffusion processes backed up by state space models. Mechanical Systems and Signal Processing, 2022, 166, 108448.	8.0	3
13	An application of FMEA for warranty cost assesment. , 2009, , .		2
14	An assessment of mean time between failures for a group of rolling bearings. , 2011, , .		2
15	Threat characterization in vital area identification process. , 2013, , .		2
16	A Contribution to Assessment of Transportation Structures Vulnerability. Applied Mechanics and Materials, 2014, 656, 588-596.	0.2	2
17	Reliability assessment of water distribution network using specific forms of state space models. Urban Water Journal, 2022, 19, 109-118.	2.1	2
18	Reliability Prediction for Components of Robotic Systems. Lecture Notes in Electrical Engineering, 2011, , 463-470.	0.4	2

#	Article	IF	Citations
19	Forecasting study of mains reliability based on sparse field data and perspective state space models. Eksploatacja I Niezawodnosc, 2020, 22, 179-191.	2.0	2
20	RAMS program for electromechanical systems of railway applications. , 2007, , .		1
21	Safety management for electromechanical systems of railway vehicles. , 2008, , .		1
22	Rational design of conditions for reliability test. , 2009, , .		1
23	Warranty costs monitoring. , 2011, , .		1
24	Contribution to Rolling Bearing Reliability Modeling. Applied Mechanics and Materials, 0, 110-116, 2497-2503.	0.2	1
25	Evaluation of Product Reliability during Warranty. Applied Mechanics and Materials, 0, 436, 557-562.	0.2	1
26	Applying regression diagnostics for identifying non-standard behaviour of a technical system. , 2017, , .		1
27	Mathematical modelling of soot particles in oil. , 2017, , .		1
28	Robustness against misuse - a new attribute of technical systems. , 2009, , .		0
29	Accelerated test as a tool for reliability comparison of systems manufactured by different ways. , 2011, , .		0
30	Amphibious Vehicle Abilities Analysis. Applied Mechanics and Materials, 0, 245, 235-240.	0.2	0
31	Warranty Data Evaluation. Applied Mechanics and Materials, 2012, 245, 283-288.	0.2	0
32	Warranty Costs Assessment for Automotive Applications. Advanced Materials Research, 0, 433-440, 6108-6115.	0.3	0
33	Reliability Allocation for a System with Complex Redundancy. Applied Mechanics and Materials, 0, 436, 505-510.	0.2	0
34	Series System Availability Prediction Using Information on Subsystems Availability. Applied Mechanics and Materials, 2014, 656, 597-605.	0.2	0
35	TARGI — A novel tool and method for target identification. , 2014, , .		0
36	Residential object vibrations induced by T-72 gunfire. , 2015, , .		0

#	Article	IF	Citations
37	System Condition Assessment Based on Mathematical Analysis. , 2018, , .		0
38	Perspective on reliability assessment principles of platinum thermometer based on accelerated tests. Microelectronics Reliability, 2019, 100-101, 113469.	1.7	0
39	Using Accelerated Reliability Testing to Predict Reliability of Electronic Components in Combat Vehicles. , 2019, , .		0
40	Reliability Estimation of Electronic Components by Step-Stress Accelerated Reliability Testing. , 2019, , .		0
41	System robustness against misuse. , 2009, , .		0
42	Contribution to Rational Determination of Warranty Parameters for a New Product. , 2010, , 249-258.		0
43	Water network condition assessment using analytic hierarchy process. , 2017, , .		0
44	Non-parametric reliability assessment of composite items. , 2017, , .		0
45	Tools for components reliability prediction. , 2017, , .		0