

Roman Yuzefovych

List of Publications by Year in descending order

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1040056

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42
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docs citations

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59
citing authors

#	ARTICLE	IF	CITATIONS
1	The least square estimation of the basic frequency for periodically non-stationary random signals. , 2022, 122, 103333.		8
2	Evaluation of the mechanism damage using model of vibration signal as a periodically correlated random process. Procedia Structural Integrity, 2022, 36, 122-129.	0.8	1
3	Діагностика вібраційних сигналів з періодичною нестационарністю за допомогою методу найменших квадратів. Вісник Національного університету «Львівська політехніка», 2022, 76, 103333.		8
4	Модель вібраційної системи з періодичною нестационарністю. Вісник Національного університету «Львівська політехніка», 2022, 76, 103333.		8
5	Methods of Hidden Periodicity Discovering for Gearbox Fault Detection. Sensors, 2021, 21, 6138.	3.8	12
6	Hilbert transform of a periodically non-stationary random signal: Low-frequency modulation. , 2021, 116, 103113.		9
7	The Quadrature Components of Narrowband Periodically Non-stationary Random Signals. Advances in Intelligent Systems and Computing, 2021, , 696-713.	0.6	2
8	Hilbert Transform of Multicomponent Narrow-Band Periodically Non-Stationary Random Signal. , 2021, , .		0
9	Stochastic model of the gearbox pair vibration. Information Extraction and Processing, 2021, 2021, 26-31.	0.2	0
10	Analysis of Deterministic Components of Biperiodically Correlated Random Signals. , 2020, , .		0
11	Model of multicomponent narrow-band periodical non-stationary random signal. Information Extraction and Processing, 2020, 2020, 17-24.	0.2	0
12	Модель вібраційної системи з періодичною нестационарністю. Вісник Національного університету «Львівська політехніка», 2022, 76, 103333.		8
13	Discrete LS Estimates of Correlation Function of Bi-Periodically Correlated Random Signals. Radioelectronics and Communications Systems, 2020, 63, 136-155.	0.5	4
14	The Covariance and Spectral Properties of the Quadrature Components of Narrowband Periodically Non-Stationary Random Signals. , 2020, , .		2
15	Analysis of rotary mechanism fault features on the base of the spectral structure for vibration stochastic recurrence. Procedia Structural Integrity, 2019, 16, 205-210.	0.8	1
16	Analysis of mean function discrete LSM-estimator for biperiodically nonstationary random signals. Mathematical Modeling and Computing, 2019, 6, 44-57.	1.0	8
17	Covariance characteristics of narrowband periodically non-stationary random signals. Mathematical Modeling and Computing, 2019, 6, 276-288.	1.0	9
18	Forced oscillations of cracked beam under the stochastic cyclic loading. Mechanical Systems and Signal Processing, 2018, 104, 242-263.	8.0	16

#	ARTICLE	IF	CITATIONS
19	Statistical Vector-Tensor Analysis of Vibrations of a Centrifuge with Developed Defect of the Rotating Unit. <i>Materials Science</i> , 2018, 54, 286-294.	0.9	1
20	Periodically Non-Stationary Analytic Signals and their Properties. , 2018, , .		7
21	Nonparametric Spectral Analysis of Periodically Nonstationary Vibration Signals for Electrical Rotary Machines Testing. , 2018, , .		1
22	Periodically correlated random processes: Application in early diagnostics of mechanical systems. <i>Mechanical Systems and Signal Processing</i> , 2017, 83, 406-438.	8.0	42
23	Influence of the Parameters of Damping and Stochastic Loading on the Properties of Longitudinal Vibrations of a Rod with Crack. <i>Materials Science</i> , 2017, 52, 580-587.	0.9	0
24	Coherent covariance analysis of periodically correlated random processes for unknown non-stationarity period. , 2017, 65, 27-51.		20
25	Invariant Correlation Analysis of the Vibration of Rolling Bearing with Defects on its Outer and Inner Races. <i>Materials Science</i> , 2017, 52, 866-874.	0.9	2
26	Componentwise coherence function of correlated periodically nonstationary random processes. <i>Radioelectronics and Communications Systems</i> , 2017, 60, 28-41.	0.5	2
27	Statistical analysis of periodically non-stationary oscillations for unknown period. , 2017, , .		4
28	LSM-harmonic analysis of bi-periodic nonstationary vibration signals. <i>Information Extraction and Processing</i> , 2017, 2017, 14-25.	0.2	2
29	Coherence function of interrelated periodically nonstationary random processes. <i>Radioelectronics and Communications Systems</i> , 2016, 59, 128-140.	0.5	4
30	Discrete estimators of characteristics for periodically correlated time series. , 2016, 53, 25-40.		15
31	The Stochastic Recurrence Structure of Geophysical Phenomena. <i>Applied Condition Monitoring</i> , 2015, , 55-88.	0.4	12
32	Component correlation analysis of vectorial periodically non-stationary random processes. <i>Radioelectronics and Communications Systems</i> , 2014, 57, 403-417.	0.5	1
33	Analysis of the Vibration State of a Rod Containing a Crack Under the Action of Stochastic Cyclic Loads. <i>Materials Science</i> , 2014, 50, 303-313.	0.9	0
34	Stochastic Dynamic Model of the Vibration Signals of Rolling Bearing and their Analysis. <i>Materials Science</i> , 2014, 49, 549-559.	0.9	0
35	Discrete estimations of cross-correlation components of periodically correlated random signals. <i>Radioelectronics and Communications Systems</i> , 2014, 57, 78-91.	0.5	3
36	Methods of Periodically Correlated Random Processes and Their Generalizations. <i>Lecture Notes in Mechanical Engineering</i> , 2014, , 73-93.	0.4	16

#	ARTICLE	IF	CITATIONS
37	Properties of characteristics estimators of periodically correlated random processes in preliminary determination of the period of correlation. <i>Radioelectronics and Communications Systems</i> , 2012, 55, 335-348.	0.5	13
38	Coherent estimates of correlation characteristics of interconnected periodically correlated random processes. <i>Radioelectronics and Communications Systems</i> , 2012, 55, 405-417.	0.5	0
39	About properties of estimations of correlation characteristics of non-stationery modulated signals. <i>Radioelectronics and Communications Systems</i> , 2012, 55, 268-276.	0.5	1
40	Least squares method in the statistic analysis of periodically correlated random processes. <i>Radioelectronics and Communications Systems</i> , 2011, 54, 45-59.	0.5	13
41	Component covariance analysis for periodically correlated random processes. <i>Signal Processing</i> , 2010, 90, 1083-1102.	3.7	53