

Agnieszka WyÅ,omaÅ,,ska

List of Publications by Year in descending order

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161
papers

2,058
citations

236925

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h-index

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35
g-index

167
all docs

167
docs citations

167
times ranked

958
citing authors

#	ARTICLE	IF	CITATIONS
1	Selection of informative frequency band in local damage detection in rotating machinery. Mechanical Systems and Signal Processing, 2014, 48, 138-152.	8.0	91
2	On detecting and modeling periodic correlation in financial data. Physica A: Statistical Mechanics and Its Applications, 2004, 336, 196-205.	2.6	69
3	Subordinated $si1$ index $si1$ index xmls:xocs="http://www.elsevier.com/xml/xocs/dtd" xmls:xs="http://www.w3.org/2001/XMLSchema" xmls:xi="http://www.w3.org/2001/XMLSchema-instance" xmls="http://www.elsevier.com/xml/ja/dtd" xmls:ja="http://www.elsevier.com/xml/ja/dtd" xmls:mml="http://www.w3.org/1998/Math/MathML" xmls:tb="http://www.elsevier.com/xml/common/table/dtd" xmls:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmls:ce="http://www.elsevier.com/x	2.6	58
4	Codifference as a practical tool to measure interdependence. Physica A: Statistical Mechanics and Its Applications, 2015, 421, 412-429.	2.6	58
5	The local maxima method for enhancement of time-frequency map and its application to local damage detection in rotating machines. Mechanical Systems and Signal Processing, 2014, 46, 389-405.	8.0	54
6	Informative frequency band selection in the presence of non-Gaussian noise – a novel approach based on the conditional variance statistic with application to bearing fault diagnosis. Mechanical Systems and Signal Processing, 2020, 145, 106971.	8.0	54
7	Impulsive Noise Cancellation Method for Copper Ore Crusher Vibration Signals Enhancement. IEEE Transactions on Industrial Electronics, 2016, 63, 5612-5621.	7.9	53
8	Recognition of stable distribution with Lévy index $1±$ close to 2. Physical Review E, 2012, 85, 056711.	2.1	49
9	Selection of the Informative Frequency Band in a Bearing Fault Diagnosis in the Presence of Non-Gaussian Noise – Comparison of Recently Developed Methods. Applied Sciences (Switzerland), 2020, 10, 2657.	2.5	41
10	The modified Yule-Walker method for $1±$-stable time series models. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 588-603.	2.6	38
11	Novel method of informative frequency band selection for vibration signal using Nonnegative Matrix Factorization of spectrogram matrix. Mechanical Systems and Signal Processing, 2019, 130, 585-596.	8.0	38
12	Blind equalization using combined skewness-kurtosis criterion for gearbox vibration enhancement. Measurement: Journal of the International Measurement Confederation, 2016, 88, 34-44.	5.0	36
13	Combination of principal component analysis and time-frequency representations of multichannel vibration data for gearbox fault detection. Journal of Vibroengineering, 2016, 18, 2167-2175.	1.0	36
14	Arithmetic Brownian motion subordinated by tempered stable and inverse tempered stable processes. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 5685-5696.	2.6	31
15	Recent Developments in Vibration Based Diagnostics of Gear and Bearings Used in Belt Conveyors. Applied Mechanics and Materials, 2014, 683, 171-176.	0.2	31
16	Periodically impulsive behavior detection in noisy observation based on generalized fractional order dependency map. Applied Acoustics, 2019, 144, 31-39.	3.3	31
17	How to detect the cyclostationarity in heavy-tailed distributed signals. Signal Processing, 2020, 172, 107514.	3.7	31
18	Mean-squared-displacement statistical test for fractional Brownian motion. Physical Review E, 2017, 95, 032110.	2.1	30

#	ARTICLE	IF	CITATIONS
19	Application of tempered stable distribution for selection of optimal frequency band in gearbox local damage detection. <i>Applied Acoustics</i> , 2017, 128, 14-22.	3.3	30
20	Elucidating distinct ion channel populations on the surface of hippocampal neurons via single-particle tracking recurrence analysis. <i>Physical Review E</i> , 2017, 96, 062404.	2.1	30
21	Technical condition change detection using Andersonâ€“Darling statistic approach for LHD machines â€“ engine overheating problem. <i>International Journal of Mining, Reclamation and Environment</i> , 2018, 32, 392-400.	2.8	29
22	Time-changed Ornsteinâ€“Uhlenbeck process. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2015, 48, 135004.	2.1	28
23	Geometric Brownian Motion with Tempered Stable Waiting Times. <i>Journal of Statistical Physics</i> , 2012, 148, 296-305.	1.2	27
24	Discriminating between Light- and Heavy-Tailed Distributions with Limit Theorem. <i>PLoS ONE</i> , 2015, 10, e0145604.	2.5	27
25	Impulsive source separation using combination of Nonnegative Matrix Factorization of bi-frequency map, spatial denoising and Monte Carlo simulation. <i>Mechanical Systems and Signal Processing</i> , 2019, 127, 89-101.	8.0	27
26	Statistical properties of the anomalous scaling exponent estimator based on time-averaged mean-square displacement. <i>Physical Review E</i> , 2017, 96, 022132.	2.1	26
27	Calibration of the Subdiffusive Arithmetic Brownian Motion with Tempered Stable Waiting-Times. <i>Journal of Statistical Physics</i> , 2011, 143, 447-454.	1.2	25
28	Application of cointegration to vibration signal for local damage detection in gearboxes. <i>Applied Acoustics</i> , 2019, 144, 4-10.	3.3	25
29	Fractional Brownian motion time-changed by gamma and inverse gamma process. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 468, 648-667.	2.6	23
30	Optimal parameters for anomalous-diffusion-exponent estimation from noisy data. <i>Physical Review E</i> , 2018, 98, .	2.1	22
31	Generalized spectral coherence for cyclostationary signals with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg">\langle \text{mml:mrow}>\langle \text{mml:mi}>\pm\langle \text{mml:mi}>\langle \text{mml:mrow}>\langle \text{mml:math}>$ -stable distribution. <i>Mechanical Systems and Signal Processing</i> , 2021, 159, 107737.	8.0	22
32	Stochastic Modeling of Time Series with Application to Local Damage Detection in Rotating Machinery. <i>Key Engineering Materials</i> , 0, 569-570, 441-448.	0.4	21
33	An Automatic Procedure for Multidimensional Temperature Signal Analysis of a SCADA System with Application to Belt Conveyor Components. <i>Procedia Earth and Planetary Science</i> , 2015, 15, 781-790.	0.6	21
34	Long term belt conveyor gearbox temperature data analysis â€“ Statistical tests for anomaly detection. Measurement: <i>Journal of the International Measurement Confederation</i> , 2020, 165, 108124.	5.0	21
35	Fokkerâ€“Planck type equations associated with fractional Brownian motion controlled by infinitely divisible processes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 405, 104-113.	2.6	20
36	Detection of occupancy profile based on carbon dioxide concentration pattern matching. Measurement: <i>Journal of the International Measurement Confederation</i> , 2016, 93, 265-271.	5.0	20

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37	Identification and Statistical Analysis of Impulse-Like Patterns of Carbon Monoxide Variation in Deep Underground Mines Associated with the Blasting Procedure. <i>Sensors</i> , 2019, 19, 2757.	3.8	20
38	Influence of non-Gaussian noise on the effectiveness of cyclostationary analysis – Simulations and real data analysis. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 171, 108814.	5.0	20
39	Infogram performance analysis and its enhancement for bearings diagnostics in presence of non-Gaussian noise. <i>Mechanical Systems and Signal Processing</i> , 2022, 170, 108764.	8.0	19
40	Tempered stable Lévy motion driven by stable subordinator. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 3168-3176.	2.6	18
41	Method to characterize collective impact of factors on indoor air. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 420, 190-199.	2.6	17
42	Cyclic sources extraction from complex multiple-component vibration signal via periodically time varying filter. <i>Applied Acoustics</i> , 2017, 126, 170-181.	3.3	17
43	Fractional Brownian Motion Delayed by Tempered and Inverse Tempered Stable Subordinators. <i>Methodology and Computing in Applied Probability</i> , 2019, 21, 185-202.	1.2	16
44	The tempered stable process with infinitely divisible inverse subordinators. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P10011.	2.3	15
45	Modeling anomalous diffusion by a subordinated fractional Lévy-stable process. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P05016.	2.3	15
46	Application of spectral decomposition of ²²² Rn activity concentration signal series measured in Niedźwiedzia Cave to identification of mechanisms responsible for different time-period variations. <i>Applied Radiation and Isotopes</i> , 2015, 104, 74-86.	1.5	15
47	Leveraging large-deviation statistics to decipher the stochastic properties of measured trajectories. <i>New Journal of Physics</i> , 2021, 23, 013008.	2.9	15
48	Dependency measures for the diagnosis of local faults in application to the heavy-tailed vibration signal. <i>Applied Acoustics</i> , 2021, 178, 107974.	3.3	14
49	Model of the Vibration Signal of the Vibrating Sieving Screen Suspension for Condition Monitoring Purposes. <i>Sensors</i> , 2021, 21, 213.	3.8	14
50	Dynamics of carbon dioxide concentration in indoor air. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 2193-2199.	4.0	13
51	Stable continuous-time autoregressive process driven by stable subordinator. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 444, 1012-1026.	2.6	13
52	Pattern of H^2 in a deep copper mine and its correlation with ventilation schedule. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 140, 373-381.	5.0	13
53	Title is missing!. <i>Acta Physica Polonica B</i> , 2012, 43, 1241.	0.8	12
54	Periodic Autoregressive Modeling of Vibration Time Series From Planetary Gearbox Used in Bucket Wheel Excavator. <i>Lecture Notes in Mechanical Engineering</i> , 2014, , 171-186.	0.4	12

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55	Structural break detection method based on the Adaptive Regression Splines technique. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 471, 499-511.	2.6	12
56	Local Damage Detection Method Based on Distribution Distances Applied to Time-Frequency Map of Vibration Signal. <i>IEEE Transactions on Industry Applications</i> , 2018, 54, 4091-4103.	4.9	12
57	Fractional lower order covariance-based estimator for bidimensional AR(1) model with stable distribution. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2019, 11, 217-229.	1.1	12
58	Multiple local damage detection in gearbox by novel coherent bi-frequency map and its spatial, cycle oriented enhancement. <i>Applied Acoustics</i> , 2019, 144, 23-30.	3.3	12
59	Identification, Decomposition and Segmentation of Impulsive Vibration Signals with Deterministic Components – A Sieving Screen Case Study. <i>Sensors</i> , 2020, 20, 5648.	3.8	12
60	Coupled continuous-time random walk approach to the Rachev – Raschendorf model for financial data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 407-418.	2.6	11
61	Stochastic Modeling of Indoor Air Temperature. <i>Journal of Statistical Physics</i> , 2013, 152, 979-994.	1.2	11
62	Procedures for Decision Thresholds Finding in Maintenance Management of Belt Conveyor System – Statistical Modeling of Diagnostic Data. <i>Lecture Notes in Production Engineering</i> , 2015, , 391-402.	0.4	11
63	Multidimensional Signal Analysis for Technical Condition, Operation and Performance Understanding of Heavy Duty Mining Machines. <i>Applied Condition Monitoring</i> , 2016, , 197-210.	0.4	11
64	Cross-codifference for bidimensional VAR(1) time series with infinite variance. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2022, 51, 1355-1380.	1.2	11
65	Separation of multiple local-damage-related components from vibration data using Nonnegative Matrix Factorization and multichannel data fusion. <i>Mechanical Systems and Signal Processing</i> , 2020, 145, 106954.	8.0	11
66	Data-Driven Iterative Vibration Signal Enhancement Strategy Using Alpha Stable Distribution. <i>Shock and Vibration</i> , 2017, 2017, 1-11.	0.6	10
67	Application of compound Poisson process for modelling of ore flow in a belt conveyor system with cyclic loading. <i>International Journal of Mining, Reclamation and Environment</i> , 2018, 32, 376-391.	2.8	10
68	Omnibus test for normality based on the Edgeworth expansion. <i>PLoS ONE</i> , 2020, 15, e0233901.	2.5	10
69	A Method for Structure Breaking Point Detection in Engine Oil Pressure Data. <i>Energies</i> , 2021, 14, 5496.	3.1	10
70	Subordinated continuous-time AR processes and their application to modeling behavior of mechanical system. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 464, 123-137.	2.6	9
71	Measures of Dependence for α -Stable Distributed Processes and Its Application to Diagnostics of Local Damage in Presence of Impulsive Noise. <i>Shock and Vibration</i> , 2017, 2017, 1-9.	0.6	9
72	Tempered Mittag-Leffler Lévy processes. <i>Communications in Statistics - Theory and Methods</i> , 2019, 48, 396-411.	1.0	9

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73	Local Defect Detection in Bearings in the Presence of Heavy-Tailed Noise and Spectral Overlapping of Informative and Non-Informative Impulses. <i>Sensors</i> , 2020, 20, 6444.	3.8	9
74	Market risk factors analysis for an international mining company. Multi-dimensional, heavy-tailed-based modelling. <i>Resources Policy</i> , 2021, 74, 102308.	9.6	9
75	Diffusive and subdiffusive dynamics of indoor microclimate: A time series modeling. <i>Physical Review E</i> , 2012, 86, 031128.	2.1	8
76	Identification and stochastic modelling of sources in copper ore crusher vibrations. <i>Journal of Physics: Conference Series</i> , 2015, 628, 012125.	0.4	8
77	Stochastic Modelling as a Tool for Seismic Signals Segmentation. <i>Shock and Vibration</i> , 2016, 2016, 1-13.	0.6	8
78	Alpha-stable distribution based methods in the analysis of the crusher vibration signals for fault detection. <i>IFAC-PapersOnLine</i> , 2017, 50, 4696-4701.	0.9	8
79	Recurrence statistics for anomalous diffusion regime change detection. <i>Computational Statistics and Data Analysis</i> , 2018, 128, 380-394.	1.2	8
80	Stochastic modeling of currency exchange rates with novel validation techniques. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 523, 1202-1215.	2.6	8
81	Probabilistic properties of detrended fluctuation analysis for Gaussian processes. <i>Physical Review E</i> , 2020, 101, 032114.	2.1	8
82	Spatio-temporal Dependence Measures for Bivariate AR(1) Models with α -Stable Noise. <i>Journal of Time Series Analysis</i> , 2020, 41, 454-475.	1.2	8
83	Two-Stage Data Driven Filtering for Local Damage Detection in Presence of Time Varying Signal to Noise Ratio. <i>Mechanisms and Machine Science</i> , 2015, , 401-410.	0.5	7
84	Nonnegative factorization of spectrogram for local damage detection of belt conveyor gearboxes. <i>IFAC-PapersOnLine</i> , 2017, 50, 4714-4718.	0.9	7
85	Large deviations of time-averaged statistics for Gaussian processes. <i>Statistics and Probability Letters</i> , 2018, 143, 47-55.	0.7	7
86	Multiple local damage detection method based on time-frequency representation and agglomerative hierarchical clustering of temporary spectral content. <i>Applied Acoustics</i> , 2019, 147, 44-55.	3.3	7
87	Long-term prediction of the metals' prices using non-Gaussian time-inhomogeneous stochastic process. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 555, 124659.	2.6	7
88	Measures of Cross-Dependence for Bidimensional Periodic AR(1) Model with α -Stable Distribution. <i>Journal of Time Series Analysis</i> , 2020, 41, 785-807.	1.2	7
89	Goodness-of-fit test for α -stable distribution based on the quantile conditional variance statistics. <i>Statistical Methods and Applications</i> , 2022, 31, 387-424.	1.2	7
90	Algorithm Indicating Moment of P-Wave Arrival Based on Second-Moment Characteristic. <i>Shock and Vibration</i> , 2016, 2016, 1-6.	0.6	6

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91	Bivariate sub-Gaussian model for stock index returns. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 486, 628-637.	2.6	6
92	Discriminating Gaussian processes via quadratic form statistics. <i>Chaos</i> , 2021, 31, 063101.	2.5	6
93	New Criteria for Adaptive Blind Deconvolution of Vibration Signals from Planetary Gearbox. <i>Applied Condition Monitoring</i> , 2016, , 111-125.	0.4	6
94	Variance change point detection for fractional Brownian motion based on the likelihood ratio test. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 490, 439-450.	2.6	6
95	Features based on instantaneous frequency for seismic signals clustering. <i>Journal of Vibroengineering</i> , 2016, 18, 1654-1667.	1.0	6
96	Application of Machine Learning Tools for Long-Term Diagnostic Feature Data Segmentation. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6766.	2.5	6
97	Stable Lévy motion with inverse Gaussian subordinator. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 482, 486-500.	2.6	5
98	Fractional Dynamics Identification via Intelligent Unpacking of the Sample Autocovariance Function by Neural Networks. <i>Entropy</i> , 2020, 22, 1322.	2.2	5
99	Groundwater Level Fluctuation Analysis in a Semi-Urban Area Using Statistical Methods and Data Mining Techniques—A Case Study in Wrocław, Poland. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3553.	2.5	5
100	The Analysis of Stochastic Signal from LHD Mining Machine. <i>Springer Proceedings in Mathematics and Statistics</i> , 2015, , 469-478.	0.2	5
101	Fault Detection in Belt Conveyor Drive Unit via Multiple Source Data. <i>Applied Condition Monitoring</i> , 2017, , 173-186.	0.4	5
102	Empirical anomaly measure for finite-variance processes. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 024001.	2.1	5
103	Asymptotic behavior of the cross-dependence measures for bidimensional AR(1) model with α -stable noise. <i>Banach Center Publications</i> , 0, 122, 133-157.	0.1	5
104	The covariation-based Yule–Walker method for multidimensional autoregressive time series with α -stable distributed noise. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2021, 13, 394-414.	1.1	5
105	Spectral measures of PARMA sequences. <i>Journal of Time Series Analysis</i> , 2007, 29, 070620082916015-???	1.2	4
106	Diagnostic Features Modeling for Decision Boundaries Calculation for Maintenance of Gearboxes Used in Belt Conveyor System. <i>Applied Condition Monitoring</i> , 2016, , 251-263.	0.4	4
107	Vibration Analysis of Copper Ore Crushers Used in Mineral Processing Plant—Problem of Bearings Damage Detection in Presence of Heavy Impulsive Noise. <i>Applied Condition Monitoring</i> , 2016, , 57-70.	0.4	4
108	Modified cumulative distribution function in application to waiting time analysis in the continuous time random walk scenario. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 034002.	2.1	4

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109	Normal and anomalous diffusion in fluctuations of dust concentration nearby emission source. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 491, 619-631.	2.6	4
110	Linnik LÅvy process and some extensions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 529, 121539.	2.6	4
111	Stable LÅvy process delayed by tempered stable subordinator. <i>Statistics and Probability Letters</i> , 2019, 145, 284-292.	0.7	4
112	Mobile based vibration monitoring and its application to road quality monitoring in deep underground mine. <i>Vibroengineering PROCEDIA</i> , 2018, 19, 153-158.	0.5	4
113	The impact of forward trading on the spot power price volatility with Cournot competition. , 2008, , .		3
114	On the support of the spectral measure of a harmonizable sequence. <i>Proceedings of the American Mathematical Society</i> , 2008, 136, 2609-2613.	0.8	3
115	Stochastic models for bidding strategies on oligopoly electricity market. <i>Mathematical Methods of Operations Research</i> , 2009, 69, 579-592.	1.0	3
116	The Local Maxima Method for Enhancement of Time-Frequency Map. <i>Lecture Notes in Mechanical Engineering</i> , 2014, , 325-334.	0.4	3
117	Novel method of informative frequency band selection for vibration signal using nonnegative matrix factorization of short-time fourier transform. , 2017, , .		3
118	The Automatic Method of Technical Condition Change Detection for LHD Machines - Engine Coolant Temperature Analysis. <i>Applied Condition Monitoring</i> , 2019, , 54-63.	0.4	3
119	New estimation method for periodic autoregressive time series of order 1 with additive noise. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2021, 13, 163-176.	1.1	3
120	Fractional lower order covariance based-estimator for Ornstein-Uhlenbeck process with stable distribution. <i>Mathematica Applicanda</i> , 2019, 47, .	0.0	3
121	Time series forecasting: problem of heavy-tailed distributed noise. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2021, 13, 248-256.	1.1	3
122	Statistical test for anomalous diffusion based on empirical anomaly measure for Gaussian processes. <i>Computational Statistics and Data Analysis</i> , 2022, 168, 107401.	1.2	3
123	Divergence-Based Segmentation Algorithm for Heavy-Tailed Acoustic Signals with Time-Varying Characteristics. <i>Sensors</i> , 2021, 21, 8487.	3.8	3
124	Generalized fractional Laplace motion. <i>Statistics and Probability Letters</i> , 2017, 124, 101-109.	0.7	2
125	Discriminating between scaled and fractional Brownian motion via p-variation statistics. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2018, 10, 9-14.	1.1	2
126	Integration Approach for Local Damage Detection of Vibration Signal from Gearbox Based on KPSS Test. <i>Applied Condition Monitoring</i> , 2019, , 330-339.	0.4	2

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127	Measurement instrumentation and selected signal processing techniques for anomalous diffusion analysis. Measurement: Sensors, 2020, 7-9, 100017.	1.7	2
128	Alternative Measures of Dependence for Cyclic Behaviour Identification in the Signal with Impulsive Noise Application to the Local Damage Detection. Electronics (Switzerland), 2021, 10, 1863.	3.1	2
129	Averaged-Calibration-Length Prediction for Currency Exchange Rates by a Time-Dependent Vasicek Model. Theoretical Economics Letters, 2020, 10, 579-599.	0.5	2
130	Automatic calculation of thresholds for load dependent condition indicators by modelling of probability distribution functions maintenance of gearboxes used in mining conveying system. Vibroengineering PROCEDIA, 2017, 13, 67-72.	0.5	2
131	Long term vibration data analysis from wind turbine -statistical vs energy based features. Vibroengineering PROCEDIA, 2017, 13, 96-102.	0.5	2
132	Local damage detection method based on distribution distances applied to time-frequency map of vibration signal. , 2017, , .		1
133	On-line updating of cyclostationary tools for fault detection in rotating machines - the filter bank approach * *This work is supported by the Framework Programme for Research and Innovation Horizon 2020 under grant agreement n. 636834 (DISIRE - Integrated Process Control based on) Tj ETQq1 1 0.7843d.4 rgBT /@verlock 10 4702-4707		1
134	Combination of Principal Component Analysis and Time-Frequency Representation for P-Wave Arrival Detection. Shock and Vibration, 2019, 2019, 1-7.	0.6	1
135	Fractional Lévy stable motion time-changed by gamma subordinator. Communications in Statistics - Theory and Methods, 2019, 48, 5953-5968.	1.0	1
136	Subordinated Processes with Infinite Variance. Applied Condition Monitoring, 2020, , 111-135.	0.4	1
137	Time-averaged mean squared displacement ratio test for Gaussian processes with unknown diffusion coefficient. Chaos, 2021, 31, 073120.	2.5	1
138	Asymptotics of Alternative Interdependence Measures for Bivariate α -Stable Autoregressive Model of Order 1. Applied Condition Monitoring, 2022, , 41-68.	0.4	1
139	Application of non-Gaussian multidimensional autoregressive model for climate data prediction. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2021, 13, 236-247.	1.1	1
140	Informative frequency band identification method using bi-frequency map clustering for fault detection in rotating machines. Vibroengineering PROCEDIA, 2018, 19, 86-90.	0.5	1
141	The Dependence Structure for Symmetric α -stable CARMA(p,q) Processes. Applied Condition Monitoring, 2015, , 189-206.	0.4	1
142	Seismic Signal Enhancement via AR Filtering and Spatial Time-Frequency Denoising. Applied Condition Monitoring, 2017, , 51-68.	0.4	1
143	Application of principal component analysis of time-frequency representation for gearbox fault detection. Vibroengineering PROCEDIA, 2018, 19, 82-85.	0.5	1
144	Analysis of dynamic external loads to haul truck machine subsystems during operation in a deep underground mine. , 2019, , 515-524.		1

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145	Alternative dependency measures-based approach for estimation of the $\hat{\alpha}$ -stable periodic autoregressive model. Communications in Statistics Part B: Simulation and Computation, 2024, 53, 1188-1215.	1.2	1
146	Discrimination of particulate matter emission sources using stochastic methods. Physica A: Statistical Mechanics and Its Applications, 2016, 463, 452-466.	2.6	0
147	Local damage detection methods based on the stochastic modeling techniques. , 2016, , .		0
148	Development of a GIS System Prototype for Spatiotemporal Analysis of Seismic Events. IOP Conference Series: Earth and Environmental Science, 2019, 221, 012059.	0.3	0
149	Local Termination Criterion for Impulsive Component Detection Using Progressive Genetic Algorithm. Applied Condition Monitoring, 2019, , 382-389.	0.4	0
150	Identification and statistical analysis of impulse-like patterns of carbon monoxide variation in deep underground mine. AIP Conference Proceedings, 2020, , .	0.4	0
151	Moment-based estimation for parameters of general inverse subordinator. Physica A: Statistical Mechanics and Its Applications, 2021, 575, 126042.	2.6	0
152	Fractional lower-order covariance (FLOC)-based estimation for multidimensional PAR(1) model with α -stable noise. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2021, 13, 215.	1.1	0
153	Asymptotic behavior of dependence measures for Ornstein-Uhlenbeck model based on long memory processes. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2021, 13, 148-162.	1.1	0
154	Multidimensional Analysis of New Zealand Electricity Prices. Applied Condition Monitoring, 2015, , 155-177.	0.4	0
155	GARCH Process with GED Distribution. Applied Condition Monitoring, 2017, , 83-103.	0.4	0
156	A New Technique for Local Damage Detection Based on Statistical Properties of Vibration Signal. Applied Condition Monitoring, 2018, , 117-128.	0.4	0
157	Cyclostationary Approach for Long Term Vibration Data Analysis. Applied Condition Monitoring, 2019, , 373-381.	0.4	0
158	Optimal Frequency Band Selection Based on the Clustering of Spatial Probability Density Function of Time-Frequency Decomposed Signal. Applied Condition Monitoring, 2019, , 390-399.	0.4	0
159	Long Term Temperature Data Analysis for Damage Detection in Electric Motor Bearings with Density Modeling and Bhattacharyya Distance. Applied Condition Monitoring, 2019, , 151-159.	0.4	0
160	Time-Averaged Statistics-Based Methods for Anomalous Diffusive Exponent Estimation of Fractional Brownian Motion. Applied Condition Monitoring, 2022, , 1-18.	0.4	0
161	Non-Gaussian Regime-Switching Model in Application to the Commodity Price Description. Applied Condition Monitoring, 2022, , 108-126.	0.4	0