

# Agnieszka WyÅ,omaÅ,,ska

## List of Publications by Year in descending order

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161  
papers

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236925

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167  
docs citations

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times ranked

958  
citing authors

#	ARTICLE	IF	CITATIONS
1	Alternative dependency measures-based approach for estimation of the $\hat{\mu}$ -stable periodic autoregressive model. Communications in Statistics Part B: Simulation and Computation, 2024, 53, 1188-1215.	1.2	1
2	Cross-codifference for bidimensional VAR(1) time series with infinite variance. Communications in Statistics Part B: Simulation and Computation, 2022, 51, 1355-1380.	1.2	11
3	Goodness-of-fit test for $\alpha$ -stable distribution based on the quantile conditional variance statistics. Statistical Methods and Applications, 2022, 31, 387-424.	1.2	7
4	Asymptotics of Alternative Interdependence Measures for Bivariate $\alpha$ -Stable Autoregressive Model of Order 1. Applied Condition Monitoring, 2022, , 41-68.	0.4	1
5	Statistical test for anomalous diffusion based on empirical anomaly measure for Gaussian processes. Computational Statistics and Data Analysis, 2022, 168, 107401.	1.2	3
6	Infogram performance analysis and its enhancement for bearings diagnostics in presence of non-Gaussian noise. Mechanical Systems and Signal Processing, 2022, 170, 108764.	8.0	19
7	Time-Averaged Statistics-Based Methods for Anomalous Diffusive Exponent Estimation of Fractional Brownian Motion. Applied Condition Monitoring, 2022, , 1-18.	0.4	0
8	Non-Gaussian Regime-Switching Model in Application to the Commodity Price Description. Applied Condition Monitoring, 2022, , 108-126.	0.4	0
9	Application of Machine Learning Tools for Long-Term Diagnostic Feature Data Segmentation. Applied Sciences (Switzerland), 2022, 12, 6766.	2.5	6
10	Influence of non-Gaussian noise on the effectiveness of cyclostationary analysis – Simulations and real data analysis. Measurement: Journal of the International Measurement Confederation, 2021, 171, 108814.	5.0	20
11	Discriminating Gaussian processes via quadratic form statistics. Chaos, 2021, 31, 063101.	2.5	6
12	Time-averaged mean squared displacement ratio test for Gaussian processes with unknown diffusion coefficient. Chaos, 2021, 31, 073120.	2.5	1
13	Dependency measures for the diagnosis of local faults in application to the heavy-tailed vibration signal. Applied Acoustics, 2021, 178, 107974.	3.3	14
14	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
15	Moment-based estimation for parameters of general inverse subordinator. Physica A: Statistical Mechanics and Its Applications, 2021, 575, 126042.	2.6	0
16	Fractional lower-order covariance (FLOC)-based estimation for multidimensional PAR(1) model with $\alpha$ -stable noise. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2021, 13, 215.	1.1	0
17	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
18	New estimation method for periodic autoregressive time series of order 1 with additive noise. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2021, 13, 163-176.	1.1	3

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19	A Method for Structure Breaking Point Detection in Engine Oil Pressure Data. <i>Energies</i> , 2021, 14, 5496.	3.1	10
20	Generalized spectral coherence for cyclostationary signals with $\alpha$ -stable distribution. <i>Mechanical Systems and Signal Processing</i> , 2021, 159, 107737.	8.0	22
21	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
22	Leveraging large-deviation statistics to decipher the stochastic properties of measured trajectories. <i>New Journal of Physics</i> , 2021, 23, 013008.	2.9	15
23	Empirical anomaly measure for finite-variance processes. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 024001.	2.1	5
24	Model of the Vibration Signal of the Vibrating Sieving Screen Suspension for Condition Monitoring Purposes. <i>Sensors</i> , 2021, 21, 213.	3.8	14
25	Asymptotic behavior of dependence measures for Ornstein-Uhlenbeck model based on long memory processes. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2021, 13, 148-162.	1.1	0
26	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
27	Divergence-Based Segmentation Algorithm for Heavy-Tailed Acoustic Signals with Time-Varying Characteristics. <i>Sensors</i> , 2021, 21, 8487.	3.8	3
28	The covariation-based Yule-Walker method for multidimensional autoregressive time series with $\alpha$ -stable distributed noise. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2021, 13, 394-414.	1.1	5
29	Subordinated Processes with Infinite Variance. <i>Applied Condition Monitoring</i> , 2020, , 111-135.	0.4	1
30	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
31	Long term belt conveyor gearbox temperature data analysis – Statistical tests for anomaly detection. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 165, 108124.	5.0	21
32	Fractional Dynamics Identification via Intelligent Unpacking of the Sample Autocovariance Function by Neural Networks. <i>Entropy</i> , 2020, 22, 1322.	2.2	5
33	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
34	Measurement instrumentation and selected signal processing techniques for anomalous diffusion analysis. <i>Measurement: Sensors</i> , 2020, 7-9, 100017.	1.7	2
35	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
36	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. <i>Mechanical Systems and Signal Processing</i> , 2020, 145, 106971.	8.0	54

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37	Long-term prediction of the metalsâ€™ prices using non-Gaussian time-inhomogeneous stochastic process. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 555, 124659.	2.6	7
38	Measures of Crossâ€Dependence for Bidimensional Periodic AR(1) Model with $\hat{I}$ â€Stable Distribution. <i>Journal of Time Series Analysis</i> , 2020, 41, 785-807.	1.2	7
39	Groundwater Level Fluctuation Analysis in a Semi-Urban Area Using Statistical Methods and Data Mining Techniquesâ€A Case Study in WrocÅ,aw, Poland. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3553.	2.5	5
40	Probabilistic properties of detrended fluctuation analysis for Gaussian processes. <i>Physical Review E</i> , 2020, 101, 032114.	2.1	8
41	Omnibus test for normality based on the Edgeworth expansion. <i>PLoS ONE</i> , 2020, 15, e0233901.	2.5	10
42	Identification and statistical analysis of impulse-like patterns of carbon monoxide variation in deep underground mine. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
43	How to detect the cyclostationarity in heavy-tailed distributed signals. <i>Signal Processing</i> , 2020, 172, 107514.	3.7	31
44	Spatioâ€Temporal Dependence Measures for Bivariate AR(1) Models with $\langle i \rangle \hat{I} \pm \langle i \rangle \hat{I}$ â€Stable Noise. <i>Journal of Time Series Analysis</i> , 2020, 41, 454-475.	1.2	8
45	Selection of the Informative Frequency Band in a Bearing Fault Diagnosis in the Presence of Non-Gaussian Noiseâ€Comparison of Recently Developed Methods. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2657.	2.5	41
46	Averaged-Calibration-Length Prediction for Currency Exchange Rates by a Time-Dependent Vasicek Model. <i>Theoretical Economics Letters</i> , 2020, 10, 579-599.	0.5	2
47	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
48	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
49	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
50	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
51	Novel method of informative frequency band selection for vibration signal using Nonnegative Matrix Factorization of spectrogram matrix. <i>Mechanical Systems and Signal Processing</i> , 2019, 130, 585-596.	8.0	38
52	Linnik LÃ©vy process and some extensions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 529, 121539.	2.6	4
53	Pattern of $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle mml:mrow \rangle \langle mml:msub \rangle \langle mml:mrow \rangle \langle mml:mi \rangle H \langle /mml:mi \rangle \langle /mml:mrow \rangle \langle mml:mrow \rangle \langle mml:mn \rangle 2 \langle /mml:mn \rangle \langle /mml:mrow \rangle$ 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
54	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

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55	Impulsive source separation using combination of Nonnegative Matrix Factorization of bi-frequency map, spatial denoising and Monte Carlo simulation. Mechanical Systems and Signal Processing, 2019, 127, 89-101.	8.0	27
56	The Automatic Method of Technical Condition Change Detection for LHD Machines - Engine Coolant Temperature Analysis. Applied Condition Monitoring, 2019, , 54-63.	0.4	3
57	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
58	Local Termination Criterion for Impulsive Component Detection Using Progressive Genetic Algorithm. Applied Condition Monitoring, 2019, , 382-389.	0.4	0
59	Integration Approach for Local Damage Detection of Vibration Signal from Gearbox Based on KPSS Test. Applied Condition Monitoring, 2019, , 330-339.	0.4	2
60	Combination of Principal Component Analysis and Time-Frequency Representation for P-Wave Arrival Detection. Shock and Vibration, 2019, 2019, 1-7.	0.6	1
61	Fractional LÅ@vy stable motion time-changed by gamma subordinator. Communications in Statistics - Theory and Methods, 2019, 48, 5953-5968.	1.0	1
62	Stable LÅ@vy process delayed by tempered stable subordinator. Statistics and Probability Letters, 2019, 145, 284-292.	0.7	4
63	Multiple local damage detection in gearbox by novel coherent bi-frequency map and its spatial, cycle oriented enhancement. Applied Acoustics, 2019, 144, 23-30.	3.3	12
64	Application of cointegration to vibration signal for local damage detection in gearboxes. Applied Acoustics, 2019, 144, 4-10.	3.3	25
65	Tempered Mittag-Leffler LÅ@vy processes. Communications in Statistics - Theory and Methods, 2019, 48, 396-411.	1.0	9
66	Periodically impulsive behavior detection in noisy observation based on generalized fractional order dependency map. Applied Acoustics, 2019, 144, 31-39.	3.3	31
67	Fractional lower order covariance based-estimator for Ornstein-Uhlenbeck process with stable distribution. Mathematica Applicanda, 2019, 47, .	0.0	3
68	Cyclostationary Approach for Long Term Vibration Data Analysis. Applied Condition Monitoring, 2019, , 373-381.	0.4	0
69	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
70	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
71	Analysis of dynamic external loads to haul truck machine subsystems during operation in a deep underground mine. , 2019, , 515-524.		1
72	Normal and anomalous diffusion in fluctuations of dust concentration nearby emission source. Physica A: Statistical Mechanics and Its Applications, 2018, 491, 619-631.	2.6	4

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73	Technical condition change detection using Andersonâ€“Darling statistic approach for LHD machines â€“ engine overheating problem. International Journal of Mining, Reclamation and Environment, 2018, 32, 392-400.	2.8	29
74	Application of compound Poisson process for modelling of ore flow in a belt conveyor system with cyclic loading. International Journal of Mining, Reclamation and Environment, 2018, 32, 376-391.	2.8	10
75	Optimal parameters for anomalous-diffusion-exponent estimation from noisy data. Physical Review E, 2018, 98, .	2.1	22
76	Local Damage Detection Method Based on Distribution Distances Applied to Time-Frequency Map of Vibration Signal. IEEE Transactions on Industry Applications, 2018, 54, 4091-4103.	4.9	12
77	Discriminating between scaled and fractional Brownian motion via p-variation statistics. International Journal of Advances in Engineering Sciences and Applied Mathematics, 2018, 10, 9-14.	1.1	2
78	Large deviations of time-averaged statistics for Gaussian processes. Statistics and Probability Letters, 2018, 143, 47-55.	0.7	7
79	Recurrence statistics for anomalous diffusion regime change detection. Computational Statistics and Data Analysis, 2018, 128, 380-394.	1.2	8
80	Variance change point detection for fractional Brownian motion based on the likelihood ratio test. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 439-450.	2.6	6
81	Informative frequency band identification method using bi-frequency map clustering for fault detection in rotating machines. Vibroengineering PROCEEDIA, 2018, 19, 86-90.	0.5	1
82	A New Technique for Local Damage Detection Based on Statistical Properties of Vibration Signal. Applied Condition Monitoring, 2018, , 117-128.	0.4	0
83	Application of principal component analysis of time-frequency representation for gearbox fault detection. Vibroengineering PROCEEDIA, 2018, 19, 82-85.	0.5	1
84	Mobile based vibration monitoring and its application to road quality monitoring in deep underground mine. Vibroengineering PROCEEDIA, 2018, 19, 153-158.	0.5	4
85	Generalized fractional Laplace motion. Statistics and Probability Letters, 2017, 124, 101-109.	0.7	2
86	Fractional Brownian motion time-changed by gamma and inverse gamma process. Physica A: Statistical Mechanics and Its Applications, 2017, 468, 648-667.	2.6	23
87	Structural break detection method based on the Adaptive Regression Splines technique. Physica A: Statistical Mechanics and Its Applications, 2017, 471, 499-511.	2.6	12
88	Mean-squared-displacement statistical test for fractional Brownian motion. Physical Review E, 2017, 95, 032110.	2.1	30
89	Stable Lévy motion with inverse Gaussian subordinator. Physica A: Statistical Mechanics and Its Applications, 2017, 482, 486-500.	2.6	5
90	The modified Yule-Walker method for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll">\langle \text{mml:mi}>\hat{\mu}\langle \text{mml:mi}>\langle \text{mml:math}>- \text{stable time series models. Physica A: Statistical Mechanics and Its Applications, 2017, 469, 588-603.$	2.6	38

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91	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
92	Bivariate sub-Gaussian model for stock index returns. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 486, 628-637.	2.6	6
93	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
94	Local damage detection method based on distribution distances applied to time-frequency map of vibration signal. , 2017, , .		1
95	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
96	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
97	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 0.7843d1.4 rgBT /@verlock 10 4702-4707		
98	Nonnegative factorization of spectrogram for local damage detection of belt conveyor gearboxes. <i>IFAC-PapersOnLine</i> , 2017, 50, 4714-4718.	0.9	7
99	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
100	Novel method of informative frequency band selection for vibration signal using nonnegative matrix factorization of short-time fourier transform. , 2017, , .		3
101	Measures of Dependence for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1">\langle \text{mml:mrow}>\langle \text{mml:mi}>\hat{\pm}\langle \text{mml:mi}>\langle \text{mml:mrow}>\langle \text{mml:math}>\text{Stable Distributed Processes and Its Application to Diagnostics of Local Damage in Presence of Impulsive Noise. Shock and Vibration, 2017, 2017, 1-9.$	0.6	9
102	Data-Driven Iterative Vibration Signal Enhancement Strategy Using Alpha Stable Distribution. <i>Shock and Vibration</i> , 2017, 2017, 1-11.	0.6	10
103	Fault Detection in Belt Conveyor Drive Unit via Multiple Source Data. <i>Applied Condition Monitoring</i> , 2017, , 173-186.	0.4	5
104	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
105	GARCH Process with GED Distribution. <i>Applied Condition Monitoring</i> , 2017, , 83-103.	0.4	0
106	Seismic Signal Enhancement via AR Filtering and Spatial Time-Frequency Denoising. <i>Applied Condition Monitoring</i> , 2017, , 51-68.	0.4	1
107	Automatic calculation of thresholds for load dependent condition indicators by modelling of probability distribution functions â€™ maintenance of gearboxes used in mining conveying system. <i>Vibroengineering PROCEDIA</i> , 2017, 13, 67-72.	0.5	2
108	Long term vibration data analysis from wind turbine -statistical vs energy based features. <i>Vibroengineering PROCEDIA</i> , 2017, 13, 96-102.	0.5	2



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109	Stochastic Modelling as a Tool for Seismic Signals Segmentation. Shock and Vibration, 2016, 2016, 1-13.	0.6	8
110	Algorithm Indicating Moment of P-Wave Arrival Based on Second-Moment Characteristic. Shock and Vibration, 2016, 2016, 1-6.	0.6	6
111	Detection of occupancy profile based on carbon dioxide concentration pattern matching. Measurement: Journal of the International Measurement Confederation, 2016, 93, 265-271.	5.0	20
112	Discrimination of particulate matter emission sources using stochastic methods. Physica A: Statistical Mechanics and Its Applications, 2016, 463, 452-466.	2.6	0
113	Subordinated continuous-time AR processes and their application to modeling behavior of mechanical system. Physica A: Statistical Mechanics and Its Applications, 2016, 464, 123-137.	2.6	9
114	Local damage detection methods based on the stochastic modeling techniques. , 2016, , .		0
115	Impulsive Noise Cancellation Method for Copper Ore Crusher Vibration Signals Enhancement. IEEE Transactions on Industrial Electronics, 2016, 63, 5612-5621.	7.9	53
116	Stable continuous-time autoregressive process driven by stable subordinator. Physica A: Statistical Mechanics and Its Applications, 2016, 444, 1012-1026.	2.6	13
117	Blind equalization using combined skewnessâ€“kurtosis criterion for gearbox vibration enhancement. Measurement: Journal of the International Measurement Confederation, 2016, 88, 34-44.	5.0	36
118	Diagnostic Features Modeling for Decision Boundaries Calculation for Maintenance of Gearboxes Used in Belt Conveyor System. Applied Condition Monitoring, 2016, , 251-263.	0.4	4
119	Multidimensional Signal Analysis for Technical Condition, Operation and Performance Understanding of Heavy Duty Mining Machines. Applied Condition Monitoring, 2016, , 197-210.	0.4	11
120	Vibration Analysis of Copper Ore Crushers Used in Mineral Processing Plantâ€™Problem of Bearings Damage Detection in Presence of Heavy Impulsive Noise. Applied Condition Monitoring, 2016, , 57-70.	0.4	4
121	New Criteria for Adaptive Blind Deconvolution of Vibration Signals from Planetary Gearbox. Applied Condition Monitoring, 2016, , 111-125.	0.4	6
122	Features based on instantaneous frequency for seismic signals clustering. Journal of Vibroengineering, 2016, 18, 1654-1667.	1.0	6
123	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
124	An Automatic Procedure for Multidimensional Temperature Signal Analysis of a SCADA System with Application to Belt Conveyor Components. Procedia Earth and Planetary Science, 2015, 15, 781-790.	0.6	21
125	Identification and stochastic modelling of sources in copper ore crusher vibrations. Journal of Physics: Conference Series, 2015, 628, 012125.	0.4	8
126	Discriminating between Light- and Heavy-Tailed Distributions with Limit Theorem. PLoS ONE, 2015, 10, e0145604.	2.5	27



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127	Dynamics of carbon dioxide concentration in indoor air. Stochastic Environmental Research and Risk Assessment, 2015, 29, 2193-2199.	4.0	13
128	Time-changed Ornstein-Uhlenbeck process. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 135004.	2.1	28
129	Application of spectral decomposition of $^{222}\text{Rn}$ activity concentration signal series measured in Niedzwiedzia Cave to identification of mechanisms responsible for different time-period variations. Applied Radiation and Isotopes, 2015, 104, 74-86.	1.5	15
130	Codifference as a practical tool to measure interdependence. Physica A: Statistical Mechanics and Its Applications, 2015, 421, 412-429.	2.6	58
131	Method to characterize collective impact of factors on indoor air. Physica A: Statistical Mechanics and Its Applications, 2015, 420, 190-199.	2.6	17
132	Procedures for Decision Thresholds Finding in Maintenance Management of Belt Conveyor System - Statistical Modeling of Diagnostic Data. Lecture Notes in Production Engineering, 2015, , 391-402.	0.4	11
133	Two-Stage Data Driven Filtering for Local Damage Detection in Presence of Time Varying Signal to Noise Ratio. Mechanisms and Machine Science, 2015, , 401-410.	0.5	7
134	The Analysis of Stochastic Signal from LHD Mining Machine. Springer Proceedings in Mathematics and Statistics, 2015, , 469-478.	0.2	5
135	Multidimensional Analysis of New Zealand Electricity Prices. Applied Condition Monitoring, 2015, , 155-177.	0.4	0
136	The Dependence Structure for Symmetric $\alpha$ -stable CARMA(p,q) Processes. Applied Condition Monitoring, 2015, , 189-206.	0.4	1
137	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
138	Periodic Autoregressive Modeling of Vibration Time Series From Planetary Gearbox Used in Bucket Wheel Excavator. Lecture Notes in Mechanical Engineering, 2014, , 171-186.	0.4	12
139	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
140	Fokker-Planck type equations associated with fractional Brownian motion controlled by infinitely divisible processes. Physica A: Statistical Mechanics and Its Applications, 2014, 405, 104-113.	2.6	20
141	Selection of informative frequency band in local damage detection in rotating machinery. Mechanical Systems and Signal Processing, 2014, 48, 138-152.	8.0	91
142	The Local Maxima Method for Enhancement of Time-Frequency Map. Lecture Notes in Mechanical Engineering, 2014, , 325-334.	0.4	3
143	Stochastic Modeling of Indoor Air Temperature. Journal of Statistical Physics, 2013, 152, 979-994.	1.2	11
144	Tempered stable Levy motion driven by stable subordinator. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 3168-3176.	2.6	18

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145	The tempered stable process with infinitely divisible inverse subordinators. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P10011.	2.3	15
146	Modeling anomalous diffusion by a subordinated fractional Lévy-stable process. Journal of Statistical Mechanics: Theory and Experiment, 2013, 2013, P05016.	2.3	15
147	Title is missing!. Acta Physica Polonica B, 2012, 43, 1241.	0.8	12
148	Recognition of stable distribution with Lévy index $\alpha$ close to 2. Physical Review E, 2012, 85, 056711.	2.1	49
149	Geometric Brownian Motion with Tempered Stable Waiting Times. Journal of Statistical Physics, 2012, 148, 296-305.	1.2	27
150	Diffusive and subdiffusive dynamics of indoor microclimate: A time series modeling. Physical Review E, 2012, 86, 031128.	2.1	8
151	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
152	Subordinated $\alpha$ -stable Lévy motion. Journal of Statistical Physics, 2011, 143, 447-454.	2.6	58
153	Calibration of the Subdiffusive Arithmetic Brownian Motion with Tempered Stable Waiting-Times. Journal of Statistical Physics, 2011, 143, 447-454.	1.2	25
154	Stochastic models for bidding strategies on oligopoly electricity market. Mathematical Methods of Operations Research, 2009, 69, 579-592.	1.0	3
155	Coupled continuous-time random walk approach to the Rachev's Lévy-schendorf model for financial data. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 407-418.	2.6	11
156	The impact of forward trading on the spot power price volatility with Cournot competition. , 2008, , .		3
157	On the support of the spectral measure of a harmonizable sequence. Proceedings of the American Mathematical Society, 2008, 136, 2609-2613.	0.8	3
158	Spectral measures of PARMA sequences. Journal of Time Series Analysis, 2007, 29, 070620082916015-???.	1.2	4
159	On detecting and modeling periodic correlation in financial data. Physica A: Statistical Mechanics and Its Applications, 2004, 336, 196-205.	2.6	69
160	Stochastic Modeling of Time Series with Application to Local Damage Detection in Rotating Machinery. Key Engineering Materials, 0, 569-570, 441-448.	0.4	21
161	Asymptotic behavior of the cross-dependence measures for bidimensional AR(1) model with $\alpha$ -stable noise. Banach Center Publications, 0, 122, 133-157.	0.1	5