

# Radoslaw Zimroz

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

170  
papers

2,636  
citations

26  
h-index

45  
g-index

180  
ext. papers

3,118  
ext. citations

2.3  
avg, IF

5.97  
L-index

#	Paper	IF	Citations
170	An Automatic Procedure for Overheated Idler Detection in Belt Conveyors Using Fusion of Infrared and RGB Images Acquired during UGV Robot Inspection. <i>Energies</i> , <b>2022</b> , 15, 601	3.1	4
169	A Mobile Robot-Based System for Automatic Inspection of Belt Conveyors in Mining Industry. <i>Energies</i> , <b>2022</b> , 15, 327	3.1	3
168	Infogram performance analysis and its enhancement for bearings diagnostics in presence of non-Gaussian noise. <i>Mechanical Systems and Signal Processing</i> , <b>2022</b> , 170, 108764	7.8	3
167	Fuzzy Risk-Based Maintenance Strategy with Safety Considerations for the Mining Industry.. <i>Sensors</i> , <b>2022</b> , 22,	3.8	2
166	Dynamic Analysis of an Enhanced Multi-Frequency Inertial Exciter for Industrial Vibrating Machines. <i>Machines</i> , <b>2022</b> , 10, 130	2.9	5
165	Optimization of the Vibrating Machines with Adjustable Frequency Characteristics. <i>Applied Condition Monitoring</i> , <b>2022</b> , 352-363	0.2	1
164	Experimental Study of the Rolling Friction Coefficient in Highly Loaded Supports of Rotary Kilns. <i>Structural Integrity</i> , <b>2022</b> , 267-282	0.2	
163	Safe Operation of Underground Mining Vehicles Based on Cyclic Fatigue Monitoring of Powertrains. <i>Structural Integrity</i> , <b>2022</b> , 283-292	0.2	
162	Inspection Robotic UGV Platform and the Procedure for an Acoustic Signal-Based Fault Detection in Belt Conveyor Idler. <i>Energies</i> , <b>2021</b> , 14, 7646	3.1	5
161	Damage Detection Based on 3D Point Cloud Data Processing from Laser Scanning of Conveyor Belt Surface. <i>Remote Sensing</i> , <b>2021</b> , 13, 55	5	11
160	Application of the Infrared Thermography and Unmanned Ground Vehicle for Rescue Action Support in Underground Mine – The AMICOS Project. <i>Remote Sensing</i> , <b>2021</b> , 13, 69	5	13
159	Energy-Saving Inertial Drive for Dual-Frequency Excitation of Vibrating Machines. <i>Energies</i> , <b>2021</b> , 14, 71	3.1	5
158	Time-Varying Spectral Kurtosis: Generalization of Spectral Kurtosis for Local Damage Detection in Rotating Machines under Time-Varying Operating Conditions. <i>Sensors</i> , <b>2021</b> , 21,	3.8	1
157	Application of UAV in Search and Rescue Actions in Underground Mine – A Specific Sound Detection in Noisy Acoustic Signal. <i>Energies</i> , <b>2021</b> , 14, 3725	3.1	10
156	Local damage detection based on vibration data analysis in the presence of Gaussian and heavy-tailed impulsive noise. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2021</b> , 169, 108400	4.6	20
155	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> , <b>2021</b> , 171, 108814	4.6	7
154	Importance of Variables in Gearbox Diagnostics Using Random Forests and Ensemble Credits. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 3-13	0.9	

153	Gearbox Fault Identification Under Non-Gaussian Noise and Time-Varying Operating Conditions. <i>Applied Condition Monitoring</i> , <b>2021</b> , 1-9	0.2	
152	Enhancing gearbox vibration signals under time-varying operating conditions by combining a whitening procedure and a synchronous processing method. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 156, 107668	7.8	4
151	Dependency measures for the diagnosis of local faults in application to the heavy-tailed vibration signal. <i>Applied Acoustics</i> , <b>2021</b> , 178, 107974	3.1	6
150	Alternative Measures of Dependence for Cyclic Behaviour Identification in the Signal with Impulsive Noise—Application to the Local Damage Detection. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1863	2.6	0
149	A Method for Structure Breaking Point Detection in Engine Oil Pressure Data. <i>Energies</i> , <b>2021</b> , 14, 5496	3.1	3
148	Generalized spectral coherence for cyclostationary signals with $\beta$ -stable distribution. <i>Mechanical Systems and Signal Processing</i> , <b>2021</b> , 159, 107737	7.8	9
147	Analysis of the vibro-acoustic data from test rig -comparison of acoustic and vibrational methods. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2021</b> , 942, 012017	0.3	1
146	Parametric simulator of cyclic and non-cyclic impulsive vibration signals for diagnostic research applications. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2021</b> , 942, 012015	0.3	
145	Drill bit state-oriented drilling process classification with time-series data for wheeled drilling rigs. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2021</b> , 942, 012010	0.3	
144	Analysis of the sound signal to fault detection of bearings based on Variational Mode Decomposition. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2021</b> , 942, 012020	0.3	
143	Fault-related impulsive component detection for vibration-based diagnostics in the presence of random impulsive noise. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2021</b> , 942, 012016	0.3	
142	Increasing Energy Efficiency and Productivity of the Comminution Process in Tumbling Mills by Indirect Measurements of Internal Dynamics—An Overview. <i>Energies</i> , <b>2020</b> , 13, 6735	3.1	9
141	Vibration-Based Diagnostics of Radial Clearances and Bolts Loosening in the Bearing Supports of the Heavy-Duty Gearboxes. <i>Sensors</i> , <b>2020</b> , 20,	3.8	4
140	Identification, Decomposition and Segmentation of Impulsive Vibration Signals with Deterministic Components—A Sieving Screen Case Study. <i>Sensors</i> , <b>2020</b> , 20,	3.8	6
139	Decision Tree-Based Classification for Planetary Gearboxes' Condition Monitoring with the Use of Vibration Data in Multidimensional Symptom Space. <i>Sensors</i> , <b>2020</b> , 20,	3.8	8
138	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> , <b>2020</b> , 145, 106971	7.8	33
137	Development and Verification of the Diagnostic Model of the Sieving Screen. <i>Shock and Vibration</i> , <b>2020</b> , 2020, 1-14	1.1	12
136	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> , <b>2020</b> , 10, 3553	2.6	2

135	How to detect the cyclostationarity in heavy-tailed distributed signals. <i>Signal Processing</i> , <b>2020</b> , 172, 1075-1114	4.1	16
134	Selection of the Informative Frequency Band in a Bearing Fault Diagnosis in the Presence of Non-Gaussian Noise: Comparison of Recently Developed Methods. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 2657	2.6	30
133	Process Monitoring in Heavy Duty Drilling Rigs: Data Acquisition System and Cycle Identification Algorithms. <i>Energies</i> , <b>2020</b> , 13, 6748	3.1	12
132	Accuracy Evaluation of Selected Mobile Inspection Robot Localization Techniques in a GNSS-Denied Environment. <i>Sensors</i> , <b>2020</b> , 21,	3.8	7
131	Model of the Vibration Signal of the Vibrating Sieving Screen Suspension for Condition Monitoring Purposes. <i>Sensors</i> , <b>2020</b> , 21,	3.8	7
130	Combination of Kolmogorov-Smirnov Statistic and Time-Frequency Representation for P-Wave Arrival Detection in Seismic Signal. <i>Applied Condition Monitoring</i> , <b>2020</b> , 166-174	0.2	
129	A Diagnostics of Conveyor Belt Splices. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 6259	2.6	17
128	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> , <b>2020</b> , 145, 106954	7.8	8
127	Long term belt conveyor gearbox temperature data analysis: Statistical tests for anomaly detection. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2020</b> , 165, 108124	4.6	9
126	Local Defect Detection in Bearings in the Presence of Heavy-Tailed Noise and Spectral Overlapping of Informative and Non-Informative Impulses. <i>Sensors</i> , <b>2020</b> , 20,	3.8	4
125	An Inspection Robot for Belt Conveyor Maintenance in Underground Mines: Infrared Thermography for Overheated Idlers Detection. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 4984	2.6	31
124	Model Based Monitoring of Dynamic Loads and Remaining Useful Life Prediction in Rolling Mills and Heavy Machinery. <i>Smart Innovation, Systems and Technologies</i> , <b>2020</b> , 399-416	0.5	4
123	A Portable Environmental Data-Monitoring System for Air Hazard Evaluation in Deep Underground Mines. <i>Energies</i> , <b>2020</b> , 13, 6331	3.1	20
122	The identification of operational cycles in the monitoring systems of underground vehicles. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2020</b> , 151, 107111	4.6	12
121	Influence of Signal to Noise Ratio on the Effectiveness of Cointegration Analysis for Vibration Signal. <i>Applied Condition Monitoring</i> , <b>2020</b> , 136-146	0.2	0
120	A Simple Condition Monitoring Method for Gearboxes Operating in Impulsive Environments. <i>Sensors</i> , <b>2020</b> , 20,	3.8	14
119	Novel method of informative frequency band selection for vibration signal using Nonnegative Matrix Factorization of spectrogram matrix. <i>Mechanical Systems and Signal Processing</i> , <b>2019</b> , 130, 585-596	7.8	26
118	Pattern of H <sub>2</sub> S concentration in a deep copper mine and its correlation with ventilation schedule. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2019</b> , 140, 373-381	4.6	6

117	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> , <b>2019</b> , 127, 89-101	7.8	17
116	The Automatic Method of Technical Condition Change Detection for LHD Machines - Engine Coolant Temperature Analysis. <i>Applied Condition Monitoring</i> , <b>2019</b> , 54-63	0.2	3
115	Local Termination Criterion for Impulsive Component Detection Using Progressive Genetic Algorithm. <i>Applied Condition Monitoring</i> , <b>2019</b> , 382-389	0.2	
114	Integration Approach for Local Damage Detection of Vibration Signal from Gearbox Based on KPSS Test. <i>Applied Condition Monitoring</i> , <b>2019</b> , 330-339	0.2	2
113	Multiple local damage detection method based on time-frequency representation and agglomerative hierarchical clustering of temporary spectral content. <i>Applied Acoustics</i> , <b>2019</b> , 147, 44-55 <sup>3-1</sup>		4
112	Identification and Statistical Analysis of Impulse-Like Patterns of Carbon Monoxide Variation in Deep Underground Mines Associated with the Blasting Procedure. <i>Sensors</i> , <b>2019</b> , 19,	3.8	13
111	Cyclostationary Approach for Long Term Vibration Data Analysis. <i>Applied Condition Monitoring</i> , <b>2019</b> , 373-381	0.2	
110	Optimal Frequency Band Selection Based on the Clustering of Spatial Probability Density Function of Time-Frequency Decomposed Signal. <i>Applied Condition Monitoring</i> , <b>2019</b> , 390-399	0.2	
109	Long Term Temperature Data Analysis for Damage Detection in Electric Motor Bearings with Density Modeling and Bhattacharyya Distance. <i>Applied Condition Monitoring</i> , <b>2019</b> , 151-159	0.2	
108	Selection of variables acquired by the on-board monitoring system to determine operational cycles for haul truck vehicle <b>2019</b> , 525-533		
107	Analysis of dynamic external loads to haul truck machine subsystems during operation in a deep underground mine <b>2019</b> , 515-524		1
106	Comprehensive, experimental verification of the effects of the lock-up function implementation in LHD haul trucks in the deep underground mine <b>2019</b> , 506-514		1
105	Combination of Principal Component Analysis and Time-Frequency Representation for P-Wave Arrival Detection. <i>Shock and Vibration</i> , <b>2019</b> , 2019, 1-7	1.1	0
104	Methods of Springs Failures Diagnostics in Ore Processing Vibrating Screens. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 362, 012147	0.3	6
103	Multiple local damage detection in gearbox by novel coherent bi-frequency map and its spatial, cycle oriented enhancement. <i>Applied Acoustics</i> , <b>2019</b> , 144, 23-30	3.1	10
102	Application of cointegration to vibration signal for local damage detection in gearboxes. <i>Applied Acoustics</i> , <b>2019</b> , 144, 4-10	3.1	14
101	Periodically impulsive behavior detection in noisy observation based on generalized fractional order dependency map. <i>Applied Acoustics</i> , <b>2019</b> , 144, 31-39	3.1	25
100	Optimal filter design with progressive genetic algorithm for local damage detection in rolling bearings. <i>Mechanical Systems and Signal Processing</i> , <b>2018</b> , 102, 102-116	7.8	35

99	Unsupervised Anomaly Detection for Conveyor Temperature SCADA Data. <i>Applied Condition Monitoring</i> , <b>2018</b> , 361-369	0.2	5
98	Review of smoothing methods for enhancement of noisy data from heavy-duty LHD mining machines. <i>E3S Web of Conferences</i> , <b>2018</b> , 29, 00011	0.5	6
97	Informative frequency band identification method using bi-frequency map clustering for fault detection in rotating machines. <i>Vibroengineering PROCEDIA</i> , <b>2018</b> , 19, 86-90	0.4	1
96	Application of principal component analysis of time-frequency representation for gearbox fault detection. <i>Vibroengineering PROCEDIA</i> , <b>2018</b> , 19, 82-85	0.4	
95	Mobile based vibration monitoring and its application to road quality monitoring in deep underground mine. <i>Vibroengineering PROCEDIA</i> , <b>2018</b> , 19, 153-158	0.4	4
94	Multidimensional Data Segmentation Based on Blind Source Separation and Statistical Analysis. <i>Applied Condition Monitoring</i> , <b>2018</b> , 353-360	0.2	3
93	Maintenance Management of Mining Belt Conveyor System Based on Data Fusion and Advanced Analytics. <i>Applied Condition Monitoring</i> , <b>2018</b> , 465-476	0.2	7
92	Complementary View on Multivariate Data Structure Based on Kohonen'SOM, Parallel Coordinates and t-SNE Methods. <i>Applied Condition Monitoring</i> , <b>2018</b> , 255-265	0.2	
91	A New Technique for Local Damage Detection Based on Statistical Properties of Vibration Signal. <i>Applied Condition Monitoring</i> , <b>2018</b> , 117-128	0.2	
90	Technical condition change detection using AndersonDarling statistic approach for LHD machines Engine overheating problem. <i>International Journal of Mining, Reclamation and Environment</i> , <b>2018</b> , 32, 392-400	2.2	20
89	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> , <b>2018</b> , 32, 376-391	2.2	6
88	Local Damage Detection Method Based on Distribution Distances Applied to Time-Frequency Map of Vibration Signal. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 4091-4103	4.3	8
87	Nonnegative Matrix Factorization of time frequency representation of vibration signal for local damage detection Comparison of algorithms. <i>E3S Web of Conferences</i> , <b>2018</b> , 29, 00010	0.5	
86	Structural break detection method based on the Adaptive Regression Splines technique. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2017</b> , 471, 499-511	3.3	10
85	Measures of Dependence for Stable Distributed Processes and Its Application to Diagnostics of Local Damage in Presence of Impulsive Noise. <i>Shock and Vibration</i> , <b>2017</b> , 2017, 1-9	1.1	7
84	Data-Driven Iterative Vibration Signal Enhancement Strategy Using Alpha Stable Distribution. <i>Shock and Vibration</i> , <b>2017</b> , 2017, 1-11	1.1	8
83	Preliminary Research on Possibilities of Drilling Process Robotization. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2017</b> , 95, 042027	0.3	2
82	Automatic segmentation of seismic signal with support of innovative filtering. <i>International Journal of Rock Mechanics and Minings Sciences</i> , <b>2017</b> , 91, 29-39	6	8

81	Application of tempered stable distribution for selection of optimal frequency band in gearbox local damage detection. <i>Applied Acoustics</i> , <b>2017</b> , 128, 14-22	3.1	25
80	Development of Test Rig for Robotization of Mining Technological Processes [Oversized Rock Breaking Process Case. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2017</b> , 95, 042028	0.3	1
79	Local damage detection method based on distribution distances applied to time-frequency map of vibration signal <b>2017</b> ,		1
78	On-line updating of cyclostationary tools for fault detection in rotating machines - the filter bank approach. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 4702-4707	0.7	1
77	Nonnegative factorization of spectrogram for local damage detection of belt conveyor gearboxes. <i>IFAC-PapersOnLine</i> , <b>2017</b> , 50, 4714-4718	0.7	2
76	<b>2017</b> ,		3
75	Informative frequency band identification for automatic extraction of impulsive components in vibration data from rotating machinery. <i>Vibroengineering PROCEDIA</i> , <b>2017</b> , 13, 109-114	0.4	2
74	Fault Detection in Belt Conveyor Drive Unit via Multiple Source Data. <i>Applied Condition Monitoring</i> , <b>2017</b> , 173-186	0.2	3
73	Application of Independent Component Analysis in Temperature Data Analysis for Gearbox Fault Detection. <i>Applied Condition Monitoring</i> , <b>2017</b> , 187-198	0.2	3
72	Cyclic sources extraction from complex multiple-component vibration signal via periodically time varying filter. <i>Applied Acoustics</i> , <b>2017</b> , 126, 170-181	3.1	16
71	Seismic Signal Enhancement via AR Filtering and Spatial Time-Frequency Denoising. <i>Applied Condition Monitoring</i> , <b>2017</b> , 51-68	0.2	1
70	Kernel PCA in nonlinear visualization of a healthy and a faulty planetary gearbox data. <i>Vibroengineering PROCEDIA</i> , <b>2017</b> , 13, 62-66	0.4	
69	Automatic calculation of thresholds for load dependent condition indicators by modelling of probability distribution functions [Maintenance of gearboxes used in mining conveying system. <i>Vibroengineering PROCEDIA</i> , <b>2017</b> , 13, 67-72	0.4	2
68	Long term vibration data analysis from wind turbine -statistical vs energy based features. <i>Vibroengineering PROCEDIA</i> , <b>2017</b> , 13, 96-102	0.4	1
67	Multidimensional Signal Analysis for Technical Condition, Operation and Performance Understanding of Heavy Duty Mining Machines. <i>Applied Condition Monitoring</i> , <b>2016</b> , 197-210	0.2	11
66	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> , <b>2016</b> , 57-70	0.2	4
65	Project DISIRE (H2020) [An idea of annotating of ore with sensors in KGHM Polska Miedz S.A. underground copper ore mines. <i>E3S Web of Conferences</i> , <b>2016</b> , 8, 01058	0.5	9
64	Impulsive Noise Cancellation Method for Copper Ore Crusher Vibration Signals Enhancement. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 5612-5621	8.9	44



63	Blind equalization using combined skewness-kurtosis criterion for gearbox vibration enhancement. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2016</b> , 88, 34-44	4.6	18
62	Diagnostic Features Modeling for Decision Boundaries Calculation for Maintenance of Gearboxes Used in Belt Conveyor System. <i>Applied Condition Monitoring</i> , <b>2016</b> , 251-263	0.2	4
61	Features based on instantaneous frequency for seismic signals clustering. <i>Journal of Vibroengineering</i> , <b>2016</b> , 18, 1654-1667	0.5	6
60	Combination of principal component analysis and time-frequency representations of multichannel vibration data for gearbox fault detection. <i>Journal of Vibroengineering</i> , <b>2016</b> , 18, 2167-2175	0.5	31
59	New Criteria for Adaptive Blind Deconvolution of Vibration Signals from Planetary Gearbox. <i>Applied Condition Monitoring</i> , <b>2016</b> , 111-125	0.2	5
58	Stochastic Modelling as a Tool for Seismic Signals Segmentation. <i>Shock and Vibration</i> , <b>2016</b> , 2016, 1-13	1.1	5
57	Shock and Vibration in Transportation Engineering. <i>Shock and Vibration</i> , <b>2016</b> , 2016, 1-2	1.1	1
56	Algorithm Indicating Moment of P-Wave Arrival Based on Second-Moment Characteristic. <i>Shock and Vibration</i> , <b>2016</b> , 2016, 1-6	1.1	6
55	Detection of occupancy profile based on carbon dioxide concentration pattern matching. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2016</b> , 93, 265-271	4.6	16
54	Subordinated continuous-time AR processes and their application to modeling behavior of mechanical system. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2016</b> , 464, 123-137	3.3	8
53	Modern ICT and Mechatronic Systems in Contemporary Mining Industry. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 33-42	0.9	4
52	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. <i>Applied Radiation and Isotopes</i> , <b>2015</b> , 104, 74-86	1.7	11
51	NMF and PCA as Applied to Gearbox Fault Data. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 199-206	0.9	3
50	An Effectiveness Indicator for a Mining Loader Based on the Pressure Signal Measured at a Bucket's Hydraulic Cylinder. <i>Procedia Earth and Planetary Science</i> , <b>2015</b> , 15, 797-805		22
49	Procedures for Decision Thresholds Finding in Maintenance Management of Belt Conveyor System Statistical Modeling of Diagnostic Data. <i>Lecture Notes in Production Engineering</i> , <b>2015</b> , 391-402	0	8
48	Two-Stage Data Driven Filtering for Local Damage Detection in Presence of Time Varying Signal to Noise Ratio. <i>Mechanisms and Machine Science</i> , <b>2015</b> , 401-410	0.3	6
47	Novel Techniques of Diagnostic Data Processing for Belt Conveyor Maintenance. <i>Lecture Notes in Production Engineering</i> , <b>2015</b> , 31-40	0	2
46	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> , <b>2015</b> , 15, 781-790		15



45	Identification and stochastic modelling of sources in copper ore crusher vibrations. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 628, 012125	0.3	7
44	The Analysis of Stochastic Signal from LHD Mining Machine. <i>Springer Proceedings in Mathematics and Statistics</i> , <b>2015</b> , 469-478	0.2	5
43	Probabilistic Principal Components and Mixtures, How This Works. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 24-35	0.9	1
42	Diagnostics of bearings in presence of strong operating conditions non-stationarity: A procedure of load-dependent features processing with application to wind turbine bearings. <i>Mechanical Systems and Signal Processing</i> , <b>2014</b> , 46, 16-27	7.8	121
41	Selection of informative frequency band in local damage detection in rotating machinery. <i>Mechanical Systems and Signal Processing</i> , <b>2014</b> , 48, 138-152	7.8	82
40	New techniques of local damage detection in machinery based on stochastic modelling using adaptive Schur filter. <i>Applied Acoustics</i> , <b>2014</b> , 77, 130-137	3.1	35
39	The Local Maxima Method for Enhancement of Time-Frequency Map. <i>Lecture Notes in Mechanical Engineering</i> , <b>2014</b> , 325-334	0.4	3
38	Artificial Immune Systems for Data Classification in Planetary Gearboxes Condition Monitoring. <i>Lecture Notes in Mechanical Engineering</i> , <b>2014</b> , 235-247	0.4	1
37	Gearbox Condition Monitoring Procedures. <i>Lecture Notes in Mechanical Engineering</i> , <b>2014</b> , 249-260	0.4	
36	Rolling bearing diagnosing method based on Empirical Mode Decomposition of machine vibration signal. <i>Applied Acoustics</i> , <b>2014</b> , 77, 195-203	3.1	158
35	Recent Developments in Vibration Based Diagnostics of Gear and Bearings Used in Belt Conveyors. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 683, 171-176	0.3	28
34	Computerised Decision-Making Support System Based on Data Fusion for Machinery System Management and Maintenance. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 683, 108-113	0.3	11
33	Periodic Autoregressive Modeling of Vibration Time Series From Planetary Gearbox Used in Bucket Wheel Excavator. <i>Lecture Notes in Mechanical Engineering</i> , <b>2014</b> , 171-186	0.4	7
32	The local maxima method for enhancement of time-frequency map and its application to local damage detection in rotating machines. <i>Mechanical Systems and Signal Processing</i> , <b>2014</b> , 46, 389-405	7.8	39
31	Dimensionality reduction via variables selection: Linear and nonlinear approaches with application to vibration-based condition monitoring of planetary gearbox. <i>Applied Acoustics</i> , <b>2014</b> , 77, 169-177	3.1	27
30	Stochastic Modeling of Time Series with Application to Local Damage Detection in Rotating Machinery. <i>Key Engineering Materials</i> , <b>2013</b> , 569-570, 441-448	0.4	20
29	Bearings Fault Detection in Gas Compressor in Presence of High Level of Non-Gaussian Impulsive Noise. <i>Key Engineering Materials</i> , <b>2013</b> , 569-570, 473-480	0.4	8
28	Novel Approaches for Processing of Multi-Channels NDT Signals for Damage Detection in Conveyor Belts with Steel Cords. <i>Key Engineering Materials</i> , <b>2013</b> , 569-570, 978-985	0.4	19

27	Two simple multivariate procedures for monitoring planetary gearboxes in non-stationary operating conditions. <i>Mechanical Systems and Signal Processing</i> , <b>2013</b> , 38, 237-247	7.8	66
26	A procedure for weighted summation of the derivatives of reflection coefficients in adaptive Schur filter with application to fault detection in rolling element bearings. <i>Mechanical Systems and Signal Processing</i> , <b>2013</b> , 38, 65-77	7.8	39
25	Empirical Mode Decomposition of Vibration Signal for Detection of Local Disturbances in Planetary Gearbox Used in Heavy Machinery System. <i>Key Engineering Materials</i> , <b>2013</b> , 588, 109-116	0.4	2
24	Parametric Time-Frequency Map and its Processing for Local Damage Detection in Rotating Machinery. <i>Key Engineering Materials</i> , <b>2013</b> , 588, 214-222	0.4	4
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18	Wind Turbine Main Bearing Diagnosis - A Proposal of Data Processing and Decision Making Procedure under Non Stationary Load Condition. <i>Key Engineering Materials</i> , <b>2012</b> , 518, 437-444	0.4	15
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8	Data Dimension Reduction and Visualization with Application to Multi-Dimensional Gearbox Diagnostics Data: Comparison of Several Methods. <i>Solid State Phenomena</i> , <b>2011</b> , 180, 177-184	0.4	15
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