

Anna Michalak

List of Publications by Year in descending order

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27
papers

309
citations

840585

11
h-index

887953

17
g-index

29
all docs

29
docs citations

29
times ranked

201
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalysis as a method for reduction of ambient NO _x in deep underground mines. Measurement: Journal of the International Measurement Confederation, 2022, 200, 111453.	2.5	5
2	Local damage detection based on vibration data analysis in the presence of Gaussian and heavy-tailed impulsive noise. Measurement: Journal of the International Measurement Confederation, 2021, 169, 108400.	2.5	34
3	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.	2.5	20
4	Application of the Infrared Thermography and Unmanned Ground Vehicle for Rescue Action Support in Underground Mine – The AMICOS Project. Remote Sensing, 2021, 13, 69.	1.8	35
5	Accuracy Evaluation of Selected Mobile Inspection Robot Localization Techniques in a GNSS-Denied Environment. Sensors, 2021, 21, 141.	2.1	14
6	Model of the Vibration Signal of the Vibrating Sieving Screen Suspension for Condition Monitoring Purposes. Sensors, 2021, 21, 213.	2.1	14
7	Drill bit deterioration estimation with the Random Forest Regressor. IOP Conference Series: Earth and Environmental Science, 2021, 942, 012013.	0.2	0
8	Parametric simulator of cyclic and non-cyclic impulsive vibration signals for diagnostic research applications. IOP Conference Series: Earth and Environmental Science, 2021, 942, 012015.	0.2	1
9	Drill bit state-oriented drilling process classification with time-series data for wheeled drilling rigs. IOP Conference Series: Earth and Environmental Science, 2021, 942, 012010.	0.2	0
10	Fault-related impulsive component detection for vibration-based diagnostics in the presence of random impulsive noise. IOP Conference Series: Earth and Environmental Science, 2021, 942, 012016.	0.2	0
11	Separation of multiple local-damage-related components from vibration data using Nonnegative Matrix Factorization and multichannel data fusion. Mechanical Systems and Signal Processing, 2020, 145, 106954.	4.4	11
12	Development and Verification of the Diagnostic Model of the Sieving Screen. Shock and Vibration, 2020, 2020, 1-14.	0.3	21
13	Groundwater Level Fluctuation Analysis in a Semi-Urban Area Using Statistical Methods and Data Mining Techniques – A Case Study in Wrocław, Poland. Applied Sciences (Switzerland), 2020, 10, 3553.	1.3	5
14	Averaged-Calibration-Length Prediction for Currency Exchange Rates by a Time-Dependent Vasicek Model. Theoretical Economics Letters, 2020, 10, 579-599.	0.2	2
15	Stochastic modeling of currency exchange rates with novel validation techniques. Physica A: Statistical Mechanics and Its Applications, 2019, 523, 1202-1215.	1.2	8
16	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.	4.4	27
17	Development of a GIS System Prototype for Spatiotemporal Analysis of Seismic Events. IOP Conference Series: Earth and Environmental Science, 2019, 221, 012059.	0.2	0
18	Local Termination Criterion for Impulsive Component Detection Using Progressive Genetic Algorithm. Applied Condition Monitoring, 2019, , 382-389.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Integration Approach for Local Damage Detection of Vibration Signal from Gearbox Based on KPSS Test. Applied Condition Monitoring, 2019, , 330-339.	0.4	2
20	An Algorithm for Determining Unloading Cycles in Dump Truck. IOP Conference Series: Earth and Environmental Science, 2019, 362, 012111.	0.2	1
21	Application of cointegration to vibration signal for local damage detection in gearboxes. Applied Acoustics, 2019, 144, 4-10.	1.7	25
22	The application of correlation models for the analysis of market risk factors in KGHM capital group. , 2019, , 38-46.		0
23	Optimal filter design with progressive genetic algorithm for local damage detection in rolling bearings. Mechanical Systems and Signal Processing, 2018, 102, 102-116.	4.4	45
24	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.	1.2	29
25	Review of smoothing methods for enhancement of noisy data from heavy-duty LHD mining machines. E3S Web of Conferences, 2018, 29, 00011.	0.2	6
26	Association rules discovery from diagnostic data-application to gearboxes used in mining industry. Vibroengineering PROCEDIA, 2017, 13, 103-108.	0.3	1
27	Automatic calculation of thresholds for load dependent condition indicators by modelling of probability distribution functions â€™ maintenance of gearboxes used in mining conveying system. Vibroengineering PROCEDIA, 2017, 13, 67-72.	0.3	2