

Wei Cheng

List of Publications by Year in descending order

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54
papers

607
citations

623734

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54
times ranked

438
citing authors

#	ARTICLE	IF	CITATIONS
1	A combined sound field reconstruction method for large cylindrical surfaces using non-conformal plane measurement. <i>Measurement Science and Technology</i> , 2022, 33, 015009.	2.6	4
2	Resolution enhanced statistically optimal cylindrical near-field acoustic holography based on equivalent source method. <i>Measurement Science and Technology</i> , 2022, 33, 055015.	2.6	3
3	AR model-based crosstalk cancellation method for operational transfer path analysis. <i>Journal of Mechanical Science and Technology</i> , 2022, 36, 1131-1144.	1.5	1
4	Composite Fault Diagnosis of Rolling Bearing Based on Chaotic Honey Badger Algorithm Optimizing VMD and ELM. <i>Machines</i> , 2022, 10, 469.	2.2	7
5	Enhanced Descending Corticomuscular Coupling During Hand Grip With Static Force Compared With Enhancing Force. <i>Clinical EEG and Neuroscience</i> , 2021, 52, 436-443.	1.7	5
6	A maintenance decision-making oriented collaborative cross-organization knowledge sharing blockchain network for complex multi-component systems. <i>Journal of Cleaner Production</i> , 2021, 282, 124541.	9.3	31
7	Recent progress in engineering functional biohybrid robots actuated by living cells. <i>Acta Biomaterialia</i> , 2021, 121, 29-40.	8.3	26
8	A customized scheme of crosstalk cancellation for operational transfer path analysis and experimental validation. <i>Journal of Sound and Vibration</i> , 2021, 515, 116506.	3.9	5
9	System-level Anomaly Detection for Nuclear Power Plants Using Variational Graph Auto-encoders. , 2021, , .		1
10	Conical Statistical Optimal Near-Field Acoustic Holography with Combined Regularization. <i>Sensors</i> , 2021, 21, 7150.	3.8	4
11	An accurate and reliable operational transfer path analysis for transfer path contribution evaluation based on Landweber iterative method. <i>Measurement Science and Technology</i> , 2020, 31, 025102.	2.6	3
12	Online blind source separation method with adaptive step size in both time-invariant and time-varying cases. <i>Measurement Science and Technology</i> , 2020, 31, 045102.	2.6	4
13	Transfer Path Analysis and Contribution Evaluation Using SVD- and PCA-Based Operational Transfer Path Analysis. <i>Shock and Vibration</i> , 2020, 2020, 1-23.	0.6	0
14	Underdetermined convolutive blind source separation in the time-frequency domain based on single source points and experimental validation. <i>Measurement Science and Technology</i> , 2020, 31, 095001.	2.6	11
15	Operational transfer path analysis with crosstalk cancellation using independent component analysis. <i>Journal of Sound and Vibration</i> , 2020, 473, 115224.	3.9	12
16	A combined crosstalk cancellation method based on wavelet packet denoising and Welch's method for operational transfer path analysis. <i>Measurement Science and Technology</i> , 2019, 30, 065011.	2.6	5
17	A service-oriented multi-player maintenance grouping strategy for complex multi-component system based on game theory. <i>Advanced Engineering Informatics</i> , 2019, 42, 100970.	8.0	28
18	Convolutive blind source separation in frequency domain with kurtosis maximization by modified conjugate gradient. <i>Mechanical Systems and Signal Processing</i> , 2019, 134, 106331.	8.0	23

#	ARTICLE	IF	CITATIONS
19	A data- and knowledge-driven framework for digital twin manufacturing cell. <i>Procedia CIRP</i> , 2019, 83, 345-350.	1.9	68
20	A novel underdetermined blind source separation method with noise and unknown source number. <i>Journal of Sound and Vibration</i> , 2019, 457, 67-91.	3.9	34
21	Post-nonlinear blind source separation with kurtosis constraints using augmented Lagrangian particle swarm optimization and its application to mechanical systems. <i>JVC/Journal of Vibration and Control</i> , 2019, 25, 2246-2260.	2.6	6
22	A Novel Underdetermined Blind Source Separation Method and Its Application to Source Contribution Quantitative Estimation. <i>Sensors</i> , 2019, 19, 1413.	3.8	9
23	Mechanism explanation and experimental verification of a new modulation frequency characteristic in a disturbed crack rotor. <i>Nonlinear Dynamics</i> , 2019, 95, 597-616.	5.2	7
24	Phase-based spectrum analysis method for identifying weak harmonics. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 5585-5596.	2.6	5
25	A fuzzy support vector machine based on environmental membership and its application to motor fault classification. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 5681-5692.	2.6	1
26	Modified breathing mechanism model and phase waterfall plot diagnostic method for cracked rotors. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 2527-2539.	1.5	10
27	Noise source identification and localization of mechanical systems based on an enhanced independent component analysis. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 1128-1142.	2.6	5
28	EEG classification for motor imagery and resting state in BCI applications using multi-class Adaboost extreme learning machine. <i>Review of Scientific Instruments</i> , 2016, 87, 085110.	1.3	44
29	An efficient equivariant adaptive separation via independence algorithm for acoustical source separation and identification. <i>Science China Technological Sciences</i> , 2016, 59, 1825-1836.	4.0	2
30	Damped SVD for operational transfer path analysis. , 2016, , .		0
31	A source contribution quantitative calculation method for mechanical systems based on the simplified independent component analysis with reference. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2016, 230, 3222-3240.	2.1	1
32	Tikhonov regularization-based operational transfer path analysis. <i>Mechanical Systems and Signal Processing</i> , 2016, 75, 494-514.	8.0	35
33	Nonlinear factor analysis and its application to acoustical source separation and identification. <i>Journal of Vibroengineering</i> , 2016, 18, 3397-3411.	1.0	1
34	Model Updating of Spindle Systems Based on the Identification of Joint Dynamics. <i>Shock and Vibration</i> , 2015, 2015, 1-10.	0.6	6
35	Acoustical Source Tracing Using Independent Component Analysis and Correlation Analysis. <i>Shock and Vibration</i> , 2015, 2015, 1-8.	0.6	1
36	Support evidence statistics for operation reliability assessment using running state information and its application to rolling bearing. <i>Mechanical Systems and Signal Processing</i> , 2015, 60-61, 344-357.	8.0	8

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37	State detection of explosive welding structure by dual-tree complex wavelet transform based permutation entropy. <i>Steel and Composite Structures</i> , 2015, 19, 569-583.	1.3	7
38	A Comparative Study of Information-Based Source Number Estimation Methods and Experimental Validations on Mechanical Systems. <i>Sensors</i> , 2014, 14, 7625-7646.	3.8	17
39	A Comprehensive Study of Vibration Signals for a Thin Shell Structure Using Enhanced Independent Component Analysis and Experimental Validation. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2014, 136, .	1.6	14
40	A novel manifold“manifold distance index applied to looseness state assessment of viscoelastic sandwich structures. <i>Smart Materials and Structures</i> , 2014, 23, 065019.	3.5	8
41	Kurtosis-Based Constrained Independent Component Analysis and Its Application on Source Contribution Quantitative Estimation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2014, 63, 1842-1854.	4.7	14
42	Investigations of denoising source separation technique and its application to source separation and identification of mechanical vibration signals. <i>JVC/Journal of Vibration and Control</i> , 2014, 20, 2100-2117.	2.6	17
43	Detecting the bonding state of explosive welding structures based on EEMD and sensitive IMF time entropy. <i>Smart Materials and Structures</i> , 2014, 23, 075010.	3.5	13
44	Manifold subspace distance derived from kernel principal angles and its application to machinery structural damage assessment. <i>Smart Materials and Structures</i> , 2013, 22, 085012.	3.5	8
45	An improved independent component analysis by reference signals and its application on source contribution estimation. , 2013, , .		1
46	Source Contribution Evaluation of Mechanical Vibration Signals via Enhanced Independent Component Analysis. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2012, 134, .	2.2	25
47	Independent component analysis based source number estimation and its comparison for mechanical systems. <i>Journal of Sound and Vibration</i> , 2012, 331, 5153-5167.	3.9	45
48	Dissimilarity Measures for ICA-Based Source Number Estimation. , 2012, , .		0
49	Enhance the Separation Performance of ICA via Clustering Evaluation and Its Applications. <i>Advanced Science Letters</i> , 2011, 4, 1951-1956.	0.2	9
50	EEMD-1.5 Dimension Spectrum Applied to Locomotive Gear Fault Diagnosis. , 2009, , .		9
51	Research on Intelligent Diagnosis of Mechanical Fault Based on Ant Colony Algorithm. <i>Advances in Intelligent and Soft Computing</i> , 2009, , 631-640.	0.2	3
52	Intelligent Technique and Its Application in Fault Diagnosis of Locomotive Bearing Based on Granular Computing. <i>Lecture Notes in Computer Science</i> , 2009, , 744-754.	1.3	1
53	Intelligent fault diagnosis based on granular computing. , 2008, , .		0
54	A combined sound field reconstruction method for non-cylindrical rotative surfaces based on statistically optimal cylindrical near-field acoustic holography and multipoint Helmholtz equation least square. <i>JVC/Journal of Vibration and Control</i> , 0, , 107754632210948.	2.6	0