

# Nonconvex Sparse Regularization and Convex Optimization

IEEE Transactions on Industrial Electronics

65, 7332-7342

DOI: [10.1109/tie.2018.2793271](https://doi.org/10.1109/tie.2018.2793271)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Sparse Deep Stacking Network for Fault Diagnosis of Motor. IEEE Transactions on Industrial Informatics, 2018, 14, 3261-3270.	7.2	155
2	Bearing Fault Diagnosis Using Hyper-Laplacian Priors and Non-convex Optimization. , 2018, , .		1
3	Fault Diagnosis of Bearing by Utilizing LWT-SPSR-SVD-Based RVM with Binary Gravitational Search Algorithm. Shock and Vibration, 2018, 2018, 1-8.	0.3	4
4	Vector minimax concave penalty for sparse representation. , 2018, 83, 165-179.		21
5	Intelligent Prognostics of Degradation Trajectories for Rotating Machinery Based on Asymmetric Penalty Sparse Decomposition Model. Symmetry, 2018, 10, 214.	1.1	6
6	Sparsity-enhanced signal decomposition via generalized minimax-concave penalty for gearbox fault diagnosis. Journal of Sound and Vibration, 2018, 432, 213-234.	2.1	71
7	An Adaptive Randomized Orthogonal Matching Pursuit Algorithm With Sliding Window for Rolling Bearing Fault Diagnosis. IEEE Access, 2018, 6, 41107-41117.	2.6	12
8	Enhanced Sparse Period-Group Lasso for Bearing Fault Diagnosis. IEEE Transactions on Industrial Electronics, 2019, 66, 2143-2153.	5.2	146
9	Dual-Enhanced Sparse Decomposition for Wind Turbine Gearbox Fault Diagnosis. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 450-461.	2.4	54
10	Machine health monitoring based on locally linear embedding with kernel sparse representation for neighborhood optimization. Mechanical Systems and Signal Processing, 2019, 114, 25-34.	4.4	56
11	A novel weak fault signal detection approach for a rolling bearing using variational mode decomposition and phase space parallel factor analysis. Measurement Science and Technology, 2019, 30, 115004.	1.4	16
12	A two-stage blind deconvolution strategy for bearing fault vibration signals. Mechanical Systems and Signal Processing, 2019, 134, 106307.	4.4	31
13	A group sparse representation method in frequency domain with adaptive parameters optimization of detecting incipient rolling bearing fault. Journal of Sound and Vibration, 2019, 462, 114931.	2.1	31
14	An Effective Bearing Fault Diagnosis Technique via Local Robust Principal Component Analysis and Multi-Scale Permutation Entropy. Entropy, 2019, 21, 959.	1.1	10
15	Data Simulation by Resampling—A Practical Data Augmentation Algorithm for Periodical Signal Analysis-Based Fault Diagnosis. IEEE Access, 2019, 7, 125133-125145.	2.6	17
16	Data-driven multiscale sparse representation for bearing fault diagnosis in wind turbine. Wind Energy, 2019, 22, 587-604.	1.9	15
17	Smart Fault-Detection Machine for Ball-Bearing System with Chaotic Mapping Strategy. Sensors, 2019, 19, 2178.	2.1	11
18	Non-dominated solution set based on time-frequency infograms for local damage detection of rotating machines. ISA Transactions, 2019, 92, 213-227.	3.1	24

#	ARTICLE	IF	CITATIONS
19	Synthesis versus analysis priors via generalized minimax-concave penalty for sparsity-assisted machinery fault diagnosis. <i>Mechanical Systems and Signal Processing</i> , 2019, 127, 202-233.	4.4	47
20	Stable Principal Component Pursuit via Convex Analysis. <i>IEEE Transactions on Signal Processing</i> , 2019, 67, 2595-2607.	3.2	17
21	Sparse ECG Denoising with Generalized Minimax Concave Penalty. <i>Sensors</i> , 2019, 19, 1718.	2.1	23
22	High-accuracy fault feature extraction for rolling bearings under time-varying speed conditions using an iterative envelope-tracking filter. <i>Journal of Sound and Vibration</i> , 2019, 448, 211-229.	2.1	61
23	A weighted multi-scale dictionary learning model and its applications on bearing fault diagnosis. <i>Journal of Sound and Vibration</i> , 2019, 446, 429-452.	2.1	62
24	Subspace-based MVE for performance degradation assessment of aero-engine bearings with multimodal features. <i>Mechanical Systems and Signal Processing</i> , 2019, 124, 298-312.	4.4	22
25	Periodic impulses extraction based on improved adaptive VMD and sparse code shrinkage denoising and its application in rotating machinery fault diagnosis. <i>Mechanical Systems and Signal Processing</i> , 2019, 126, 568-589.	4.4	119
26	Multiple Sparse Representation via generalized minimax-concave penalty for Gearbox Compound Fault Diagnosis. , 2019, , .		1
27	A Novel Smart Fault-Diagnosis Method with Procedures of Feature Productions and Extractions. , 2019, , .		2
28	Step-by-Step Compound Faults Diagnosis Method for Equipment Based on Majorization-Minimization and Constraint SCA. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019, 24, 2477-2487.	3.7	34
29	Non-convex and non-smooth variational decomposition for image restoration. <i>Applied Mathematical Modelling</i> , 2019, 69, 355-377.	2.2	21
30	Faults diagnosis of rolling bearings based on shift invariant K-singular value decomposition with sensitive atom nonlocal means enhancement. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 135, 836-851.	2.5	16
31	Total Variation Denoising With Non-Convex Regularizers. <i>IEEE Access</i> , 2019, 7, 4422-4431.	2.6	25
32	Multisynchrosqueezing Transform. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 5441-5455.	5.2	243
33	Optimization of segmentation fragments in empirical wavelet transform and its applications to extracting industrial bearing fault features. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 133, 328-340.	2.5	54
34	Multiple Enhanced Sparse Decomposition for Gearbox Compound Fault Diagnosis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 770-781.	2.4	90
35	Hierarchical hyper-Laplacian prior for weak fault feature enhancement. <i>ISA Transactions</i> , 2020, 96, 429-443.	3.1	20
36	Sparse Multiperiod Group Lasso for Bearing Multifault Diagnosis. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020, 69, 419-431.	2.4	26

#	ARTICLE	IF	CITATIONS
37	Sparsity-assisted bearing fault diagnosis using multiscale period group lasso. ISA Transactions, 2020, 98, 338-348.	3.1	23
38	Sparsity-Based Algorithm for Condition Assessment of Rotating Machinery Using Internal Encoder Data. IEEE Transactions on Industrial Electronics, 2020, 67, 7982-7993.	5.2	28
39	Composite-Graph-Based Sparse Subspace Clustering for Machine Fault Diagnosis. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1850-1859.	2.4	23
40	Transient feature extraction of encoder signal for condition assessment of planetary gearboxes with variable rotational speed. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107206.	2.5	12
41	A Deep Learning Network via Shunt-Wound Restricted Boltzmann Machines Using Raw Data for Fault Detection. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4852-4862.	2.4	32
42	Knowledge Transfer for Rotary Machine Fault Diagnosis. IEEE Sensors Journal, 2020, 20, 8374-8393.	2.4	176
43	Support tensor machine with dynamic penalty factors and its application to the fault diagnosis of rotating machinery with unbalanced data. Mechanical Systems and Signal Processing, 2020, 141, 106441.	4.4	51
44	A smart fault-detection approach with feature production and extraction processes. Information Sciences, 2020, 513, 553-564.	4.0	8
45	Nonconvex Group Sparsity Signal Decomposition via Convex Optimization for Bearing Fault Diagnosis. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4863-4872.	2.4	58
46	Frobenius and nuclear hybrid norm penalized robust principal component analysis for transient impulsive feature detection of rolling bearings. ISA Transactions, 2020, 100, 373-386.	3.1	12
47	Rolling bearing fault diagnosis based on improved adaptive parameterless empirical wavelet transform and sparse denoising. Measurement: Journal of the International Measurement Confederation, 2020, 152, 107392.	2.5	44
48	A Novel Fault Diagnosis Algorithm for Rolling Bearings Based on One-Dimensional Convolutional Neural Network and INPSO-SVM. Applied Sciences (Switzerland), 2020, 10, 4303.	1.3	16
50	Truncated Low-Rank and Total Variation Constrained Color Image Completion and its Moreau Approximation Algorithm. IEEE Transactions on Image Processing, 2020, 29, 7861-7874.	6.0	17
51	Generalized Gaussian Noise Distribution Enabled Sparse Representation Model for Bearing Fault Diagnosis. , 2020, , .		7
52	An adaptive and efficient variational mode decomposition and its application for bearing fault diagnosis. Structural Health Monitoring, 2021, 20, 2708-2725.	4.3	61
53	The sparse and low-rank interpretation of SVD-based denoising for vibration signals. , 2020, , .		2
54	Sparsity-Oriented Nonconvex Nonseparable Regularization for Rolling Bearing Compound Fault under Noisy Environment. Shock and Vibration, 2020, 2020, 1-19.	0.3	3
55	Semi-Supervised Fuzzy C-Means Clustering Optimized by Simulated Annealing and Genetic Algorithm for Fault Diagnosis of Bearings. IEEE Access, 2020, 8, 181976-181987.	2.6	21

#	ARTICLE	IF	CITATIONS
56	Nonconvex Nonseparable Sparse Nonnegative Matrix Factorization for Hyperspectral Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 6088-6100.	2.3	10
57	Development of Deep Convolutional Neural Network with Adaptive Batch Normalization Algorithm for Bearing Fault Diagnosis. Shock and Vibration, 2020, 2020, 1-10.	0.3	4
58	Diagnosis of Multiple Rotor Bar Faults of Squirrel Cage Induction Motor (SCIM) Using Rational Dilation Wavelet Transforms. IETE Journal of Research, 2023, 69, 249-263.	1.8	4
59	Research on Multivariate Variational Mode Decomposition Method and Its Application to Bearing Fault Diagnosis. , 2020, , .		2
60	PM2.5 concentrations forecasting using a new multi-objective feature selection and ensemble framework. Atmospheric Pollution Research, 2020, 11, 1187-1198.	1.8	20
61	A Novel Fault Diagnosis Scheme for Rolling Bearing Based on Convex Optimization in Synchroextracting Chirplet Transform. Sensors, 2020, 20, 2813.	2.1	6
62	Nonconvex Wavelet Thresholding Total Variation Denoising Method for Planetary Gearbox Fault Diagnosis. IEEE Access, 2020, 8, 78753-78763.	2.6	3
63	Reweighted generalized minimax-concave sparse regularization and application in machinery fault diagnosis. ISA Transactions, 2020, 105, 320-334.	3.1	35
64	Impact force identification via sparse regularization with generalized minimax-concave penalty. Journal of Sound and Vibration, 2020, 484, 115530.	2.1	20
65	Hierarchical Frequency-Domain Sparsity-Based Algorithm for Fault Feature Extraction of Rolling Bearings. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 6228-6240.	2.4	16
66	A simple data augmentation algorithm and a self-adaptive convolutional architecture for few-shot fault diagnosis under different working conditions. Measurement: Journal of the International Measurement Confederation, 2020, 156, 107539.	2.5	62
67	Sparsity-based fractional spline wavelet denoising via overlapping group shrinkage with non-convex regularization and convex optimization for bearing fault diagnosis. Measurement Science and Technology, 2020, 31, 055003.	1.4	12
68	Sparsity-Assisted Fault Feature Enhancement: Algorithm-Aware Versus Model-Aware. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7004-7014.	2.4	13
69	A data-driven group-sparse feature extraction method for fault detection of wind turbine transmission system. Measurement Science and Technology, 2020, 31, 074008.	1.4	21
70	Adaptive filtering enhanced windowed correlated kurtosis for multiple faults diagnosis of locomotive bearings. ISA Transactions, 2020, 101, 421-429.	3.1	22
71	Periodical sparse low-rank matrix estimation algorithm for fault detection of rolling bearings. ISA Transactions, 2020, 101, 366-378.	3.1	23
72	Generalized Horizontal Synchrosqueezing Transform: Algorithm and Applications. IEEE Transactions on Industrial Electronics, 2021, 68, 5293-5302.	5.2	36
73	Time-Reassigned Multisynchrosqueezing Transform for Bearing Fault Diagnosis of Rotating Machinery. IEEE Transactions on Industrial Electronics, 2021, 68, 1486-1496.	5.2	104

#	ARTICLE	IF	CITATIONS
74	Non-Invasive Vibration Measurement for Diagnosis of Bearing Faults in 3-Phase Squirrel Cage Induction Motor Using Microwave Sensor. IEEE Sensors Journal, 2021, 21, 1026-1039.	2.4	29
75	A nonparametric health index and its statistical threshold for machine condition monitoring. Measurement: Journal of the International Measurement Confederation, 2021, 167, 108290.	2.5	13
76	Sparse Elitist Group Lasso Denoising in Frequency Domain for Bearing Fault Diagnosis. IEEE Transactions on Industrial Informatics, 2021, 17, 4681-4691.	7.2	46
77	A chaotic system-based signal identification Technology: Fault-diagnosis of industrial bearing system. Measurement: Journal of the International Measurement Confederation, 2021, 171, 108832.	2.5	11
78	An Intelligent Fault Diagnosis Method Based on Domain Adaptation and Its Application for Bearings Under Polytropic Working Conditions. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	2.4	38
79	Ridge-Aware Weighted Sparse Time-Frequency Representation. IEEE Transactions on Signal Processing, 2021, 69, 136-149.	3.2	21
80	Rolling bearing fault diagnosis based on GMCP sparse enhanced signal decomposition and TFM. Journal of Physics: Conference Series, 2021, 1750, 012029.	0.3	0
81	A Sparsity-Assisted Fault Diagnosis Method Based on Nonconvex Sparse Regularization. IEEE Access, 2021, 9, 59027-59037.	2.6	3
82	Adaptive Robust Noise Modeling of Sparse Representation for Bearing Fault Diagnosis. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	2.4	20
83	Robust Sparse Threshold Optimization for Impulsive Blind Deconvolution. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	4
84	Bearing Fault Diagnosis Based on Clustering and Sparse Representation in Frequency Domain. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	2.4	58
85	Sparse representations for fault signatures via hybrid regularization in adaptive undecimated fractional spline wavelet transform domain. Measurement Science and Technology, 2021, 32, 045107.	1.4	6
86	Multi-source fidelity sparse representation via convex optimization for gearbox compound fault diagnosis. Journal of Sound and Vibration, 2021, 496, 115879.	2.1	50
87	Deep-Convolution-Based LSTM Network for Remaining Useful Life Prediction. IEEE Transactions on Industrial Informatics, 2021, 17, 1658-1667.	7.2	200
88	Adaptive individual weight-gain AVO inversion with smooth nonconvex regularization. Acta Geophysica, 2021, 69, 1199-1213.	1.0	2
89	Cascade Convolutional Neural Network With Progressive Optimization for Motor Fault Diagnosis Under Nonstationary Conditions. IEEE Transactions on Industrial Informatics, 2021, 17, 2511-2521.	7.2	52
90	Rolling bearing fault feature extraction using non-convex periodic group sparse method. Measurement Science and Technology, 2021, 32, 105005.	1.4	10
91	Sparse representation based on generalized smooth logarithm regularization for bearing fault diagnosis. Measurement Science and Technology, 2021, 32, 105003.	1.4	13

#	ARTICLE	IF	CITATIONS
92	Transfer Residual Convolutional neural Network for Rotating Machine Fault Diagnosis under Different Working Conditions. , 2021, , .		2
93	Rolling bearing fault feature detection using nonconvex wavelet total variation. Measurement: Journal of the International Measurement Confederation, 2021, 179, 109471.	2.5	4
94	Bearing fault diagnosis based on kernel independent component analysis and antlion optimization. Transactions of the Institute of Measurement and Control, 2021, 43, 3573-3587.	1.1	7
95	Rewighted generalized minimax-concave sparse regularization for duct acoustic mode detection with adaptive threshold. Journal of Sound and Vibration, 2021, 506, 116165.	2.1	7
96	Joint discriminative and shared dictionary learning with dictionary extension strategy for bearing fault classification. Measurement: Journal of the International Measurement Confederation, 2021, 186, 110017.	2.5	12
97	Sparse reconstruction for blade tip timing signal using generalized minimax-concave penalty. Mechanical Systems and Signal Processing, 2021, 161, 107961.	4.4	19
98	Bearing incipient fault feature extraction using adaptive period matching enhanced sparse representation. Mechanical Systems and Signal Processing, 2022, 166, 108467.	4.4	38
99	Self-powered fault diagnosis of rolling bearings based on triboelectric effect. Mechanical Systems and Signal Processing, 2022, 166, 108382.	4.4	34
100	A method for mechanical fault recognition with unseen classes via unsupervised convolutional adversarial auto-encoder. Measurement Science and Technology, 2021, 32, 035113.	1.4	11
101	Group-Sparsity Learning Approach for Bearing Fault Diagnosis. IEEE Transactions on Industrial Informatics, 2022, 18, 4566-4576.	7.2	13
102	A recursive sparse representation strategy for bearing fault diagnosis. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110360.	2.5	41
103	Synchronous chirp mode extraction: A promising tool for fault diagnosis of rolling element bearings under varying speed conditions. Chinese Journal of Aeronautics, 2022, 35, 348-364.	2.8	8
104	Plug-and-Play ADMM for MRI Reconstruction With Convex Nonconvex Sparse Regularization. IEEE Access, 2021, 9, 148315-148324.	2.6	6
105	Bearing fault diagnosis via generalized logarithm sparse regularization. Mechanical Systems and Signal Processing, 2022, 167, 108576.	4.4	116
106	Adversarial domain adaptation of asymmetric mapping with CORAL alignment for intelligent fault diagnosis. Measurement Science and Technology, 2022, 33, 055101.	1.4	13
107	Acoustic Mode Measuring Approach Developed on Generalized Minimax-Concave Regularization and Tikhonov Regularization. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	3
108	Generalized Transient-Extracting Transform and Its Accurate Signal Reconstruction. IEEE Transactions on Industrial Electronics, 2022, 69, 10552-10563.	5.2	10
109	A new synergy of singular spectrum analysis with a conscious algorithm to detect faults in industrial robotics. Neural Computing and Applications, 2022, 34, 7565-7580.	3.2	5

#	ARTICLE	IF	CITATIONS
110	Sparsity-assisted adaptive chirp mode decomposition and its application in rub-impact fault detection. Measurement: Journal of the International Measurement Confederation, 2022, 188, 110539.	2.5	6
111	Feature extraction of gear and bearing compound faults based on vibration signal sparse decomposition. Applied Acoustics, 2022, 189, 108604.	1.7	19
112	A sparsity-enhanced periodic OGS model for weak feature extraction of rolling bearing faults. Mechanical Systems and Signal Processing, 2022, 169, 108733.	4.4	12
113	Improvement of an Industrial Robotic Flaw Detection System. IEEE Transactions on Automation Science and Engineering, 2022, 19, 3953-3967.	3.4	4
114	Rolling Bearing Compound Fault Diagnosis Based on Parameter Optimization MCKD and Convolutional Neural Network. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	2.4	27
115	A neural network with nuisance attribute projection: a novel method for bearing fault diagnosis under variable speed. Measurement Science and Technology, 2022, 33, 075010.	1.4	3
116	An improved sparsity-enhanced decomposition signal method based on GMC and TQWT for rolling bearing faults. Measurement Science and Technology, 2022, 33, 085104.	1.4	1
117	A time-frequency sparse strategy based on optimal flux atom and scale lp approximation operator. Measurement Science and Technology, 2022, 33, 075109.	1.4	3
118	Nonconvex regularized sparse representation in a tight frame for gear fault diagnosis. Measurement Science and Technology, 2022, 33, 085901.	1.4	4
119	Dimension reduction graph-based sparse subspace clustering for intelligent fault identification of rolling element bearings. International Journal of Mechanical System Dynamics, 2021, 1, 207-219.	1.3	2
120	Fault Diagnosis Method for Rolling Bearing Based on Sparse Principal Subspace Discriminant Analysis. Shock and Vibration, 2022, 2022, 1-12.	0.3	0
121	A Novel Sparse Enhancement Neural Network for Rolling Bearing Fault Diagnosis. SSRN Electronic Journal, 0, , .	0.4	1
122	English-Chinese Corpus Collection and Artificial Intelligence Translation Algorithm based on Dynamic Clustering and Sparse Representation of Signals. , 2022, , .		0
123	Driving Fatigue Monitoring via Kernel Sparse Representation Regression With GMC Penalty. IEEE Sensors Journal, 2022, 22, 16164-16177.	2.4	3
124	A Novel Feature Extraction Approach for Mechanical Fault Diagnosis Based on ESAX and BoW Model. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	5
125	Generalized Transient-Squeezing Transform: Algorithm and Applications. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	2.4	3
126	Learning Sparse Graph with Minimax Concave Penalty under Gaussian Markov Random Fields. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2023, E106.A, 23-34.	0.2	3
127	Interpretable Neural Network via Algorithm Unrolling for Mechanical Fault Diagnosis. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	21



#	ARTICLE	IF	CITATIONS
128	Generalized Variable-Step Multiscale Lempel-Ziv Complexity: A Feature Extraction Tool for Bearing Fault Diagnosis. IEEE Sensors Journal, 2022, 22, 15296-15305.	2.4	18
129	Hybrid regularization model combining overlapping group sparse second-order total variation and nonconvex total variation. Journal of Electronic Imaging, 2022, 31, .	0.5	2
130	Sparsity assisted intelligent recognition method for vibration-based machinery health diagnostics. JVC/Journal of Vibration and Control, 2023, 29, 4230-4241.	1.5	6
131	Compressed feature reconstruction for localized fault diagnosis with generalized minimax-concave penalty. Measurement: Journal of the International Measurement Confederation, 2022, 200, 111622.	2.5	4
132	Local lowest-rank dynamic mode decomposition for transient feature extraction of rolling bearings. ISA Transactions, 2023, 133, 539-558.	3.1	1
133	An Enhanced Gated Recurrent Unit-Based Adaptive Fault Diagnosis of Rotating Machinery. Shock and Vibration, 2022, 2022, 1-13.	0.3	0
135	Transient-extracting transform based on non-convex sparse regularization: A useful scheme for bearing fault feature enhancement. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622211145.	1.1	0
136	Subdomain adaptation capsule network for unsupervised mechanical fault diagnosis. Information Sciences, 2022, 611, 301-316.	4.0	9
137	Research on the Sparse Optimization Method of Periodic Weights and its Application in Bearing Fault Diagnosis. Mechanism and Machine Theory, 2022, 177, 105063.	2.7	7
138	Reassignment-enable reweighted sparse time-frequency analysis for sparsity-assisted aeroengine rub-impact fault diagnosis. Mechanical Systems and Signal Processing, 2023, 183, 109602.	4.4	8
139	Sparse coefficient fast solution algorithm based on the circulant structure of a shift-invariant dictionary and its applications for machine fault diagnosis. Measurement: Journal of the International Measurement Confederation, 2022, 203, 111943.	2.5	3
140	Phase coherent noise reduction in digital holographic microscopy based on adaptive non-convex sparse regularization. Journal of Modern Optics, 2022, 69, 1043-1051.	0.6	0
141	A Novel Sparse Enhancement Neural Network for Rolling Bearing Fault Diagnosis. Shock and Vibration, 2022, 2022, 1-12.	0.3	0
142	Diffusion optical tomography reconstruction based on convex/nonconvex graph total variation regularization. Mathematical Methods in the Applied Sciences, 2023, 46, 4534-4545.	1.2	2
143	A local transient feature extraction method via periodic low rank dynamic mode decomposition for bearing incipient fault diagnosis. Measurement: Journal of the International Measurement Confederation, 2022, 203, 111973.	2.5	10
144	Cross Empirical Wavelet Transform Aided Feature Learning Network for Detection of Localized Faults in Deep Groove Bearings. Electric Power Components and Systems, 2022, 50, 269-281.	1.0	1
145	A non-linear time-frequency tool for machinery fault diagnosis under varying speed condition. Mechanical Systems and Signal Processing, 2023, 186, 109849.	4.4	8
146	Fast nonlinear blind deconvolution for rotating machinery fault diagnosis. Mechanical Systems and Signal Processing, 2023, 187, 109918.	4.4	27

#	ARTICLE	IF	CITATIONS
147	Maximum correlation Pearson correlation coefficient deconvolution and its application in fault diagnosis of rolling bearings. Measurement: Journal of the International Measurement Confederation, 2022, 205, 112162.	2.5	11
148	Multistate fault diagnosis strategy for bearings based on an improved convolutional sparse coding with priori periodic filter group. Mechanical Systems and Signal Processing, 2023, 188, 109995.	4.4	13
149	An adaptive generalized logarithm sparse regularization method and its application in rolling bearing fault diagnosis. Measurement Science and Technology, 2023, 34, 035118.	1.4	1
150	An Approach to Recognize Combined Faults of Rolling Bearing by Combing Discrete Wavelet Transform and Generalized S Transform. Journal of Failure Analysis and Prevention, 2023, 23, 258-270.	0.5	2
151	Weak Fault Feature Extraction of Axle Box Bearing Based on Pre-Identification and Singular Value Decomposition. Machines, 2022, 10, 1213.	1.2	0
152	Bearing Fault Diagnosis Using Convolutional Sparse Representation Combined With Nonlocal Similarity. IEEE Sensors Journal, 2023, 23, 5937-5948.	2.4	0
153	Adaptive Fault Components Extraction by Using an Optimized Weights Spectrum Based Index for Machinery Fault Diagnosis. IEEE Transactions on Industrial Electronics, 2024, 71, 985-995.	5.2	5
154	Wavelet-domain group-sparse denoising method for ECG signals. Biomedical Signal Processing and Control, 2023, 83, 104702.	3.5	3
155	Incipient detection of bearing fault using impulse feature enhanced weighted sparse representation. Tribology International, 2023, 184, 108467.	3.0	5
156	A new bearing fault diagnosis method via simulation data driving transfer learning without target fault data. Measurement: Journal of the International Measurement Confederation, 2023, 215, 112879.	2.5	10
157	Improved sparse low-rank model via periodic overlapping group shrinkage and truncated nuclear norm for rolling bearing fault diagnosis. Measurement Science and Technology, 2023, 34, 065009.	1.4	3
158	Multivariate Dynamic Mode Decomposition and Its Application to Bearing Fault Diagnosis. IEEE Sensors Journal, 2023, 23, 7514-7524.	2.4	8
159	Compound faults diagnosis of rotating machinery via enhanced two-layer sliding correlated kurtosis. JVC/Journal of Vibration and Control, 0, , 107754632311571.	1.5	1
160	Data-Driven and Physics Model-Based Structural Prognosis. , 2023, , 246-264.		0
161	Optimal periodicity-enhanced group sparse for bearing incipient fault feature extraction. Measurement Science and Technology, 0, , .	1.4	3
165	MCAN: Interpretable Multi-scale Component Analysis Network for Mechanical Fault Diagnosis. , 2023, , .		0
177	Introduction of machine fault diagnosis and prognosis. , 2024, , 1-13.		0
178	Flexible Analytical Wavelet Transform Enhanced Sparse Representation with Nonconvex Penalty and Its Application to Weak Fault Feature Extraction of Rolling Bearings. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------