Chuan Li

List of Publications by Year in Descending Order

170 papers	6,024 citations	45 h-index	71 g-index
188 ext. papers	7,707 ext. citations	5.2 avg, IF	6.61 L-index

#	Paper	IF	Citations
170	Improved adversarial learning for fault feature generation of wind turbine gearbox. *Renewable Energy*, **2022**, 185, 255-266	8.1	2
169	Sparse Autoencoder-based Multi-head Deep Neural Networks for Machinery Fault Diagnostics with Detection of Novelties. *Chinese Journal of Mechanical Engineering (English Edition)*, **2021**, 34,	2.5	6
168	Fault Diagnosis for Wind Turbine Gearboxes by Using Deep Enhanced Fusion Network. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-11	5.2	10
167	Theoretical Investigations on Kurtosis and Entropy and Their Improvements for System Health Monitoring. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-10	5.2	5
166	. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 8768-8776	8.9	4
165	Topological Transition of Superconductivity in Dirac Semimetal Nanowire Josephson Junctions. *Physical Review Letters*, **2021**, 126, 027001	7.4	2
164	Incremental Novelty Identification from Initially One-class Learning to Unknown Abnormality Classification. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	4
163	A one-class generative adversarial detection framework for multifunctional fault diagnoses. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	5
162	Exploiting Generative Adversarial Networks as an Oversampling Method for Fault Diagnosis of an Industrial Robotic Manipulator. *Applied Sciences (Switzerland)*, **2020**, 10, 7712	2.6	5
161	A systematic review of deep transfer learning for machinery fault diagnosis. *Neurocomputing*, **2020**, 407, 121-135	5.4	94
160	Knowledge extraction from deep convolutional neural networks applied to cyclo-stationary time-series classification. *Information Sciences*, **2020**, 524, 1-14	7.7	5
159	Generative Transfer Learning for Intelligent Fault Diagnosis of the Wind Turbine Gearbox. *Sensors*, **2020**, 20,	3.8	14
158	Forecasting Bus Passenger Flows by Using a Clustering-Based Support Vector Regression Approach. *IEEE Access*, **2020**, 8, 19717-19725	3.5	12
157	Fermi-arc supercurrent oscillations in Dirac semimetal Josephson junctions. *Nature Communications* , **2020**, 11, 1150	17.4	10
156	A robust dynamic scheduling approach based on release time series forecasting for the steelmaking-continuous casting production. *Applied Soft Computing Journal*, **2020**, 92, 106271	7.5	9
155	Reducing Electronic Transport Dimension to Topological Hinge States by Increasing Geometry Size of Dirac Semimetal Josephson Junctions. *Physical Review Letters*, **2020**, 124, 156601	7.4	13
154	Induced Topological Superconductivity in a BiSbTeSe-Based Josephson Junction. *Nanomaterials*, **2020**, 10,	5.4	3

153	Fault Diagnosis of Wind Turbine Gearbox Based on the Optimized LSTM Neural Network with Cosine Loss. *Sensors*, **2020**, 20,	3.8	29
152	Bayesian approach and time series dimensionality reduction to LSTM-based model-building for fault diagnosis of a reciprocating compressor. *Neurocomputing*, **2020**, 380, 51-66	5.4	46
151	Attitude data-based deep hybrid learning architecture for intelligent fault diagnosis of multi-joint industrial robots. *Journal of Manufacturing Systems*, **2020**,	9.1	41
150	Dynamic Illustration of Stranded Wire Helical Springs Using a Modified Bouc□Wen Model. *Iranian Journal of Science and Technology - Transactions of Mechanical Engineering*, **2020**, 44, 257-261	1.2	
149	Evolving Deep Echo State Networks for Intelligent Fault Diagnosis. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 4928-4937	11.9	78
148	Deep Hybrid State Network With Feature Reinforcement for Intelligent Fault Diagnosis of Delta 3-D Printers. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 779-789	11.9	19
147	Composite phase change materials for thermal energy storage: From molecular modelling based formulation to innovative manufacture. *Energy Procedia*, **2019**, 158, 4510-4516	2.3	3
146	Deep Learning-Based Gear Pitting Severity Assessment Using Acoustic Emission, Vibration and Currents Signals **2019**,		3
145	Formulation and Characterisation of Ternary Salt Based Solutions as Phase Change Materials for Cold Chain Applications. *Energy Procedia*, **2019**, 158, 5103-5108	2.3	7
144	Active cooling based battery thermal management using composite phase change materials. *Energy Procedia*, **2019**, 158, 4933-4940	2.3	41
143	Liquid Air Energy Storage with LNG cold recovery for air liquefaction improvement. *Energy Procedia* , **2019**, 158, 4759-4764	2.3	6
142	Rheological behaviour and aggregation kinetics of EG/water based MCNT nano-suspension for sub-zero temperature cold storage. *Energy Procedia*, **2019**, 158, 4846-4851	2.3	1
141	Evaluation of thermal performance in cold storage applications using EG-water based nano-composite PCMs. *Energy Procedia*, **2019**, 158, 4840-4845	2.3	7
140	Effects of MgO particle size and density on microstructure development of MgO based composite phase change materials. *Energy Procedia*, **2019**, 158, 4517-4522	2.3	4
139	A review of performance investigation and enhancement of shell and tube thermal energy storage device containing molten salt based phase change materials for medium and high temperature applications. *Applied Energy*, **2019**, 255, 113806	10.7	55
138	An ensemble long short-term memory neural network for hourly PM concentration forecasting. *Chemosphere*, **2019**, 222, 286-294	8.4	82
137	Heat transfer of composite phase change material modules containing a eutectic carbonate salt for medium and high temperature thermal energy storage applications. *Applied Energy*, **2019**, 238, 1074-1083	10.7	22
136	Dynamic condition monitoring for 3D printers by using error fusion of multiple sparse auto-encoders. *Computers in Industry*, **2019**, 105, 164-176	11.6	31

135	Flexible Kurtogram for Extracting Repetitive Transients for Prognostics and Health Management of Rotating Components. *IEEE Access*, **2019**, 7, 55631-55639	3.5	7
134	. *IEEE Access*, **2019**, 7, 70643-70653	3.5	34
133	Flexible integration of liquid air energy storage with liquefied natural gas regasification for power generation enhancement. *Applied Energy*, **2019**, 251, 113355	10.7	58
132	Liquid air energy storage flexibly coupled with LNG regasification for improving air liquefaction. *Applied Energy*, **2019**, 250, 1190-1201	10.7	55
131	MgO based composite phase change materials for thermal energy storage: The effects of MgO particle density and size on microstructural characteristics as well as thermophysical and mechanical properties. *Applied Energy*, **2019**, 250, 81-91	10.7	27
130	Investigation on the thermal performance of a high temperature packed bed thermal energy storage system containing carbonate salt based composite phase change materials. *Applied Energy*, **2019**, 247, 374-388	10.7	22
129	Deep Fuzzy Echo State Networks for Machinery Fault Diagnosis. *IEEE Transactions on Fuzzy Systems*, **2019**, 1-1	8.3	29
128	Water-Resistant Smartphone Technologies. *IEEE Access*, **2019**, 7, 42757-42773	3.5	6
127	Carbonate salt based composite phase change materials for medium and high temperature thermal energy storage: From component to device level performance through modelling. *Renewable Energy*, **2019**, 140, 140-151	8.1	18
126	A Form Stable Composite Phase Change Material for Thermal Energy Storage Applications over 700 ℃. *Applied Sciences (Switzerland)*, **2019**, 9, 814	2.6	15
125	State-of-charge estimation of lithium-ion batteries based on gated recurrent neural network. *Energy*, **2019**, 175, 66-75	7.9	130
124	Investigation on the effective thermal conductivity of carbonate salt based composite phase change materials for medium and high temperature thermal energy storage. *Energy*, **2019**, 176, 728-741	7.9	16
123	Hourly PM2.5 concentration forecast using stacked autoencoder model with emphasis on seasonality. *Journal of Cleaner Production*, **2019**, 224, 739-750	10.3	59
122	Carbonate salt based composite phase change materials for medium and high temperature thermal energy storage: A microstructural study. *Solar Energy Materials and Solar Cells*, **2019**, 196, 25-35	6.4	28
121	Nonlocal signatures of the chiral magnetic effect in the Dirac semimetal Bi0.97Sb0.03. *Physical Review B*, **2019**, 99,	3.3	4
120	Transmission Condition Monitoring of 3D Printers Based on the Echo State Network. *Applied Sciences (Switzerland)*, **2019**, 9, 3058	2.6	3
119	Selective area growth and stencil lithography for in situ fabricated quantum devices. *Nature Nanotechnology*, **2019**, 14, 825-831	28.7	33
118	Accelerometer Placement Comparison for Crack Detection in Railway Axles Using Vibration Signals and Machine Learning **2019**,		3

117	Zeeman-Effect-Induced 0-π Transitions in Ballistic Dirac Semimetal Josephson Junctions. *Physical Review Letters*, **2019**, 123, 026802	7.4	5
116	Multilayer Gated Recurrent Unit for Spur Gear Fault Diagnosis **2019**,		1
115	Particle Acceleration at the Pileup Collision of the Twin Shock. *Astrophysical Journal*, **2019**, 885, 66	4.7	4
114	Spin-Momentum Locking in the Gate Tunable Topological Insulator BiSbTeSe2 in Non-Local Transport Measurements. *Advanced Electronic Materials*, **2019**, 5, 1900334	6.4	3
113	A novel high temperature electrical storage heater using an inorganic salt based composite phase change material. *Energy Storage*, **2019**, 1, e88	2.8	2
112	Origin of the butterfly magnetoresistance in ZrSiS. *Physical Review Materials*, **2019**, 3,	3.2	3
111	A LSTM Neural Network Approach using Vibration Signals for Classifying Faults in a Gearbox **2019**,		2
110	Chinese Hα Solar Explorer (CHASE) – a complementary space mission to the ASO-S. *Research in Astronomy and Astrophysics*, **2019**, 19, 165	1.5	5
109	Design and evaluation of a passive inertial mass device for car suspension system. *International Journal of Vehicle Design*, **2019**, 80, 41	2.4	3
108	Influence of SiO or h-BN substrate on the room-temperature electronic transport in chemically derived single layer graphene.. *RSC Advances*, **2019**, 9, 38011-38016	3.7	9
107	A hybrid multi-objective genetic local search algorithm for the prize-collecting vehicle routing problem. *Information Sciences*, **2019**, 478, 40-61	7.7	53
106	Dominant s-wave superconducting gap in PdTe2 observed by tunneling spectroscopy on side junctions. *Physical Review B*, **2019**, 99,	3.3	5
105	A Systematic Review of Fuzzy Formalisms for Bearing Fault Diagnosis. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 1362-1382	8.3	58
104	Diatomite-based porous ceramics with high apparent porosity: Pore structure modification using calcium carbonate. *Ceramics International*, **2019**, 45, 6085-6092	5.1	18
103	A comparison of dimension reduction techniques for support vector machine modeling of multi-parameter manufacturing quality prediction. *Journal of Intelligent Manufacturing*, **2019**, 30, 2245-2256	6.7	55
102	Wettability of eutectic NaLiCO3 salt on magnesium oxide substrates at 778 K. *Applied Surface Science*, **2018**, 442, 148-155	6.7	20
101	Thermodynamic study on the effect of cold and heat recovery on performance of liquid air energy storage. *Applied Energy*, **2018**, 221, 86-99	10.7	71
100	A novel expander-depending natural gas pressure regulation configuration: Performance analysis. *Applied Energy*, **2018**, 220, 21-35	10.7	17

99	An adaptive genomic difference based genetic algorithm and its application to memetic continuous optimization. *Intelligent Data Analysis*, **2018**, 22, 363-382	1.1	2
98	Weld bead recognition using laser vision with model-based classification. *Robotics and Computer-Integrated Manufacturing*, **2018**, 52, 9-16	9.2	21
97	Bulk and surface states carried supercurrent in ballistic Nb-Dirac semimetal Cd3As2 nanowire-Nb junctions. *Physical Review B*, **2018**, 97,	3.3	22
96	Improved multi-variable grey forecasting model with a dynamic background-value coefficient and its application. *Computers and Industrial Engineering*, **2018**, 118, 278-290	6.4	99
95	A fuzzy transition based approach for fault severity prediction in helical gearboxes. *Fuzzy Sets and Systems*, **2018**, 337, 52-73	3.7	21
94	A review on data-driven fault severity assessment in rolling bearings. *Mechanical Systems and Signal Processing*, **2018**, 99, 169-196	7.8	294
93	Intelligent Fault Diagnosis of Delta 3D Printers Using Attitude Sensors Based on Support Vector Machines. *Sensors*, **2018**, 18,	3.8	20
92	Evaluating Water Consumption Based on Water Hierarchy Structure for Sustainable Development Using Grey Relational Analysis: Case Study in Chongqing, China. *Sustainability*, **2018**, 10, 1538	3.6	7
91	Prediction and Analysis of CO Emission in Chongqing for the Protection of Environment and Public Health. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	4
90	Advances in intelligent computing for diagnostics, prognostics, and system health management. *Journal of Intelligent and Fuzzy Systems*, **2018**, 34, 3397-3401	1.6	
89	Manufacturing Quality Prediction Using Intelligent Learning Approaches: A Comparative Study. *Sustainability*, **2018**, 10, 85	3.6	20
88	Reservoir Inflow Forecast Using a Clustered Random Deep Fusion Approach in the Three Gorges Reservoir, China. *Journal of Hydrologic Engineering - ASCE*, **2018**, 23, 04018041	1.8	3
87	A comparison of fuzzy clustering algorithms for bearing fault diagnosis. *Journal of Intelligent and Fuzzy Systems*, **2018**, 34, 3565-3580	1.6	57
86	Design of composite materials/devices for thermal storage A critical review **2018**, 2, 1-28		2
85	A critique of reliability prediction techniques for avionics applications. *Chinese Journal of Aeronautics*, **2018**, 31, 10-20	3.7	16
84	Application Research of ARIMA Model in Wind Turbine Gearbox Fault Trend Prediction **2018**,		1
83	4Periodic Supercurrent from Surface States in Cd_{3}As_{2} Nanowire-Based Josephson Junctions. *Physical Review Letters*, **2018**, 121, 237701	7.4	32
82	Improving forecasting accuracy of daily enterprise electricity consumption using a random forest based on ensemble empirical mode decomposition. *Energy*, **2018**, 165, 1220-1227	7.9	75

81	4□periodic Andreev bound states in a Dirac semimetal. *Nature Materials*, **2018**, 17, 875-880	27	52
80	Li-Ion Battery Fire Hazards and Safety Strategies. *Energies*, **2018**, 11, 2191	3.1	106
79	Analysis of Manufacturing-Induced Defects and Structural Deformations in Lithium-Ion Batteries Using Computed Tomography. *Energies*, **2018**, 11, 925	3.1	36
78	Inlet Water Quality Forecasting of Wastewater Treatment Based on Kernel Principal Component Analysis and an Extreme Learning Machine. *Water (Switzerland)*, **2018**, 10, 873	3	9
77	Multi-Scale Fuzzy Inference System for Influent Characteristic Prediction of Wastewater Treatment. *Clean - Soil, Air, Water*, **2018**, 46, 1700343	1.6	11
76	Automatic feature extraction of time-series applied to fault severity assessment of helical gearbox in stationary and non-stationary speed operation. *Applied Soft Computing Journal*, **2017**, 58, 53-64	7.5	47
75	A Bayesian approach to consequent parameter estimation in probabilistic fuzzy systems and its application to bearing fault classification. *Knowledge-Based Systems*, **2017**, 129, 39-60	7.3	33
74	A multi-pattern deep fusion model for short-term bus passenger flow forecasting. *Applied Soft Computing Journal*, **2017**, 58, 669-680	7.5	57
73	Deep neural networks-based rolling bearing fault diagnosis. *Microelectronics Reliability*, **2017**, 75, 327-333	1.2	135
72	Deep neural network for manufacturing quality prediction **2017**,		10
71	An ensemble learning-based fault diagnosis method for rotating machinery **2017**,		5
70	Comparative study of the transient natural convection in an underground water pit thermal storage. *Applied Energy*, **2017**, 208, 1162-1173	10.7	35
69	Water-Quality Prediction Using Multimodal Support Vector Regression: Case Study of Jialing River, China. *Journal of Environmental Engineering, ASCE*, **2017**, 143, 04017070	2	15
68	Interaction between counter-propagating quantum Hall edge channels in the 3D topological insulator BiSbTeSe2. *Physical Review B*, **2017**, 96,	3.3	13
67	Attribute clustering using rough set theory for feature selection in fault severity classification of rotating machinery. *Expert Systems With Applications*, **2017**, 71, 69-86	7.8	72
66	Influences of the key characteristic parameters on the thermal performance of a water pit seasonal thermal storage. *Energy Procedia*, **2017**, 142, 495-500	2.3	10
65	Heat transfer enhancement of a molten salt parabolic trough solar receiver with concentric and eccentric pipe inserts. *Energy Procedia*, **2017**, 142, 624-629	2.3	13
64	Investigation on transient cooling process in a water heat storage tank with inclined sidewalls. *Energy Procedia*, **2017**, 142, 142-147	2.3	6

63	Vibration-based gearbox fault diagnosis using deep neural networks. *Journal of Vibroengineering*, **2017**, 19, 2475-2496	0.5	11
62	Development of an optimization method for the GM(1,N) model. *Engineering Applications of Artificial Intelligence*, **2016**, 55, 353-362	7.2	57
61	Heat transfer performance of thermal energy storage components containing composite phase change materials. *IET Renewable Power Generation*, **2016**, 10, 1515-1522	2.9	26
60	Signature of gate-tunable magnetism in graphene grafted with Pt-porphyrins. *Physical Review B*, **2016**, 93,	3.3	10
59	A novel multi-variable grey forecasting model and its application in forecasting the amount of motor vehicles in Beijing. *Computers and Industrial Engineering*, **2016**, 101, 479-489	6.4	42
58	Normal force of magnetorheological fluids with foam metal under oscillatory shear modes. *Journal of Magnetism and Magnetic Materials*, **2016**, 403, 161-166	2.8	8
57	Hierarchical feature selection based on relative dependency for gear fault diagnosis. *Applied Intelligence*, **2016**, 44, 687-703	4.9	44
56	Extracting repetitive transients for rotating machinery diagnosis using multiscale clustered grey infogram. *Mechanical Systems and Signal Processing*, **2016**, 76-77, 157-173	7.8	74
55	Gearbox fault diagnosis based on deep random forest fusion of acoustic and vibratory signals. *Mechanical Systems and Signal Processing*, **2016**, 76-77, 283-293	7.8	242
54	Air pollutants concentrations forecasting using back propagation neural network based on wavelet decomposition with meteorological conditions. *Atmospheric Pollution Research*, **2016**, 7, 557-566	4.5	157
53	Observer-biased bearing condition monitoring: From fault detection to multi-fault classification. *Engineering Applications of Artificial Intelligence*, **2016**, 50, 287-301	7.2	41
52	A statistical comparison of neuroclassifiers and feature selection methods for gearbox fault diagnosis under realistic conditions. *Neurocomputing*, **2016**, 194, 192-206	5.4	39
51	Daily reservoir inflow forecasting using multiscale deep feature learning with hybrid models. *Journal of Hydrology*, **2016**, 532, 193-206	6	119
50	Steady-state harmonic response analysis of a stranded wire helical spring-mass system using an iterative harmonic balance method. *JVC/Journal of Vibration and Control*, **2016**, 22, 1449-1461	2	4
49	Fault diagnosis in spur gears based on genetic algorithm and random forest. *Mechanical Systems and Signal Processing*, **2016**, 70-71, 87-103	7.8	157
48	Fault Diagnosis for Rotating Machinery Using Vibration Measurement Deep Statistical Feature Learning. *Sensors*, **2016**, 16,	3.8	130
47	Model fusion approach for monthly reservoir inflow forecasting. *Journal of Hydroinformatics*, **2016**, 18, 634-650	2.6	16
46	Daily natural gas consumption forecasting based on a structure-calibrated support vector regression approach. *Energy and Buildings*, **2016**, 127, 571-579	7	52

45	Rolling bearing fault diagnosis based on Deep Boltzmann machines **2016**,		7
44	Fuzzy determination of informative frequency band for bearing fault detection. *Journal of Intelligent and Fuzzy Systems*, **2016**, 30, 3513-3525	1.6	22
43	Design, Modeling and Testing of a Two-Terminal Mass Device With a Variable Inertia Flywheel. *Journal of Mechanical Design, Transactions of the ASME*, **2016**, 138,	3	8
42	Toll-interacting protein inhibits HIV-1 infection and regulates viral latency. *Biochemical and Biophysical Research Communications*, **2016**, 475, 161-8	3.4	4
41	Rolling element bearing defect detection using the generalized synchrosqueezing transform guided by time-frequency ridge enhancement. *ISA Transactions*, **2016**, 60, 274-284	5.5	90
40	Full range of proximity effect probed with superconductor/graphene/superconductor junctions. *Physical Review B*, **2016**, 94,	3.3	15
39	Deep Feature Learning Architectures for Daily Reservoir Inflow Forecasting. *Water Resources Management*, **2016**, 30, 5145-5161	3.7	30
38	Forecasting the natural gas demand in China using a self-adapting intelligent grey model. *Energy*, **2016**, 112, 810-825	7.9	137
37	Additive Model for Monthly Reservoir Inflow Forecast. *Journal of Hydrologic Engineering - ASCE*, **2015**, 20, 04014079	1.8	25
36	Design and analysis of a shock absorber with variable moment of inertia for passive vehicle suspensions. *Journal of Sound and Vibration*, **2015**, 355, 66-85	3.9	19
35	Criterion fusion for spectral segmentation and its application to optimal demodulation of bearing vibration signals. *Mechanical Systems and Signal Processing*, **2015**, 64-65, 132-148	7.8	84
34	Three-stage method for identifying the dynamic model parameters of stranded wire helical springs. *Chinese Journal of Mechanical Engineering (English Edition)*, **2015**, 28, 197-207	2.5	2
33	Bearing fault diagnosis under unknown variable speed via gear noise cancellation and rotational order sideband identification. *Mechanical Systems and Signal Processing*, **2015**, 62-63, 30-53	7.8	51
32	Fault diagnosis of spur gearbox based on random forest and wavelet packet decomposition. *Frontiers of Mechanical Engineering*, **2015**, 10, 277-286	3.3	31
31	Superconducting nanowires by electron-beam-induced deposition. *Applied Physics Letters*, **2015**, 106, 042601	3.4	26
30	Multimodal deep support vector classification with homologous features and its application to gearbox fault diagnosis. *Neurocomputing*, **2015**, 168, 119-127	5.4	202
29	Multi-Stage Feature Selection by Using Genetic Algorithms for Fault Diagnosis in Gearboxes Based on Vibration Signal. *Sensors*, **2015**, 15, 23903-26	3.8	58
28	Gearbox Fault Identification and Classification with Convolutional Neural Networks. *Shock and Vibration*, **2015**, 2015, 1-10	1.1	152

27	Thermal energy charging behaviour of a heat exchange device with a zigzag plate configuration containing multi-phase-change-materials (m-PCMs). *Applied Energy*, **2015**, 142, 328-336	10.7	81
26	Dynamic Forecast of Daily Urban Water Consumption Using a Variable-Structure Support Vector Regression Model. *Journal of Water Resources Planning and Management - ASCE*, **2015**, 141, 04014058	2.8	29
25	Strain superlattices and macroscale suspension of graphene induced by corrugated substrates. *Nano Letters*, **2014**, 14, 5044-51	11.5	107
24	Integration of shock absorption and energy harvesting using a hydraulic rectifier. *Journal of Sound and Vibration*, **2014**, 333, 3904-3916	3.9	38
23	Thermal energy storage: Challenges and the role of particle technology. *Particuology*, **2014**, 15, 2-8	2.8	51
22	A multi-scale relevance vector regression approach for daily urban water demand forecasting. *Journal of Hydrology*, **2014**, 517, 236-245	6	58
21	Prediction Model of Interval Grey Numbers with a Real Parameter and Its Application. *Abstract and Applied Analysis*, **2014**, 2014, 1-12	0.7	6
20	Vibration signal demodulation and bearing fault detection: A clustering-based segmentation method. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2014**, 228, 1888-1899	1.3	9
19	Enhancement of the wear particle monitoring capability of oil debris sensors using a maximal overlap discrete wavelet transform with optimal decomposition depth. *Sensors*, **2014**, 14, 6207-28	3.8	25
18	Magnetic field resistant quantum interferences in Josephson junctions based on bismuth nanowires. *Physical Review B*, **2014**, 90,	3.3	21
17	One-dimensional electronic transport at the organic charge-transfer interfaces under high pressures. *Applied Physics Letters*, **2014**, 104, 193302	3.4	1
16	Enhancement of oil debris sensor capability by reliable debris signature extraction via wavelet domain target and interference signal tracking. *Measurement: Journal of the International Measurement Confederation*, **2013**, 46, 1442-1453	4.6	21
15	Numerical and experimental study of particle deposition on inner wall of 180□bend. *Powder Technology*, **2013**, 237, 241-254	5.2	15
14	Fabrication and testing of an energy-harvesting hydraulic damper. *Smart Materials and Structures*, **2013**, 22, 065024	3.4	24
13	Verhulst Model of Interval Grey Number Based on Information Decomposing and Model Combination. *Journal of Applied Mathematics*, **2013**, 2013, 1-8	1.1	4
12	Static response of stranded wire helical springs to axial loads: A two-state model. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2013**, 227, 1608-1618	1.3	5
11	A Multimode Relayed Piezoelectric Cantilever for Effective Vibration Energy Harvesting. *Japanese Journal of Applied Physics*, **2013**, 52, 050202	1.4	5
10	A Joint Kurtosis-Based Adaptive Bandstop Filtering and Iterative Autocorrelation Approach to Bearing Fault Detection. *Journal of Vibration and Acoustics, Transactions of the ASME*, **2013**, 135,	1.6	9

9	Time-frequency signal analysis for gearbox fault diagnosis using a generalized synchrosqueezing transform. *Mechanical Systems and Signal Processing*, **2012**, 26, 205-217	7.8	168
8	What Are the Relevant Disorder Scales for Quantum Transport in Graphene?. *Journal of Low Temperature Physics*, **2012**, 167, 1-14	1.3	2
7	Superconducting proximity effect in long superconductor/graphene/superconductor junctions: From specular Andreev reflection at zero field to the quantum Hall regime. *Physical Review B*, **2012**, 86,	3.3	78
6	Continuous-scale mathematical morphology-based optimal scale band demodulation of impulsive feature for bearing defect diagnosis. *Journal of Sound and Vibration*, **2012**, 331, 5864-5879	3.9	74
5	Vibration suppression using two-terminal flywheel. Part I: Modeling and characterization. *JVC/Journal of Vibration and Control*, **2012**, 18, 1096-1105	2	22
4	Vibration suppression using two-terminal flywheel. Part II: application to vehicle passive suspension. *JVC/Journal of Vibration and Control*, **2012**, 18, 1353-1365	2	24
3	A Crosstalk Compensation of a Multi-axis ForceTorque Sensor Based on the Least Squares Method Using LabVIEW **2012**,		2
2	Scheduling optimisation for supply chain in networked manufacturing. *International Journal of Computer Applications in Technology*, **2011**, 40, 85	0.7	6
1	Design of Novel Hydraulic Flywheels for Vehicle Suspensions. *Advanced Science Letters*, **2011**, 4, 1586-1590	1.1	5