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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.

65
papers

1,106
citations

18
h-index

31
g-index

80
ext. papers

1,461
ext. citations

3.2
avg, IF

4.73
L-index

#	Paper	IF	Citations
65	Resource Service Composition and Its Optimal-Selection Based on Particle Swarm Optimization in Manufacturing Grid System. <i>IEEE Transactions on Industrial Informatics</i> , 2008 , 4, 315-327	11.9	214
64	A diaphragm-type fiber Bragg grating pressure sensor with temperature compensation. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013 , 46, 1041-1046	4.6	68
63	Cyber-physical integration for moving digital factories forward towards smart manufacturing: a survey. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 97, 1209-1221	3.2	67
62	A Model-Driven Scheme to Compensate the Strain-Based Non-Intrusive Dynamic Pressure Measurement for Hydraulic Pipe. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-12	5.2	65
61	Robotic disassembly sequence planning using enhanced discrete bees algorithm in remanufacturing. <i>International Journal of Production Research</i> , 2018 , 56, 3134-3151	7.8	51
60	Diaphragm Based Fiber Bragg Grating Acceleration Sensor with Temperature Compensation. <i>Sensors</i> , 2017 , 17,	3.8	37
59	Sensitivity Enhancement of FBG-Based Strain Sensor. <i>Sensors</i> , 2018 , 18,	3.8	35
58	Recent Advances and Tendency in Fiber Bragg Grating-Based Vibration Sensor: A Review. <i>IEEE Sensors Journal</i> , 2020 , 20, 12074-12087	4	34
57	Performance of 3D-Printed Continuous-Carbon-Fiber-Reinforced Plastics with Pressure. <i>Materials</i> , 2020 , 13,	3.5	29
56	A Diaphragm Type Fiber Bragg Grating Vibration Sensor Based on Transverse Property of Optical Fiber With Temperature Compensation. <i>IEEE Sensors Journal</i> , 2016 , 1-1	4	28
55	A High-Sensitivity Fiber Bragg Grating Displacement Sensor Based on Transverse Property of a Tensioned Optical Fiber Configuration and Its Dynamic Performance Improvement. <i>IEEE Sensors Journal</i> , 2017 , 17, 5840-5848	4	27
54	Vibration response of multi-span fluid-conveying pipe with multiple accessories under complex boundary conditions. <i>European Journal of Mechanics, A/Solids</i> , 2018 , 72, 41-56	3.7	26
53	Condition monitoring towards energy-efficient manufacturing: a review. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 91, 3395-3415	3.2	25
52	A non-contact fiber Bragg grating vibration sensor. <i>Review of Scientific Instruments</i> , 2014 , 85, 015002	1.7	23
51	Manufacturing grid resource and resource service digital description. <i>International Journal of Advanced Manufacturing Technology</i> , 2009 , 44, 1024-1035	3.2	22
50	Fiber Bragg Grating Sensing-Based Online Torque Detection on Coupled Bending and Torsional Vibration of Rotating Shaft. <i>IEEE Sensors Journal</i> , 2017 , 17, 1999-2007	4	21
49	Identification and optimal selection of temperature-sensitive measuring points of thermal error compensation on a heavy-duty machine tool. <i>International Journal of Advanced Manufacturing Technology</i> , 2016 , 85, 345-353	3.2	21

48	Strain Modal Analysis of Small and Light Pipes Using Distributed Fibre Bragg Grating Sensors. <i>Sensors</i> , 2016 , 16,	3.8	18
47	A Fiber Bragg Grating Sensing Based Triaxial Vibration Sensor. <i>Sensors</i> , 2015 , 15, 24214-29	3.8	14
46	Paralleled Structure-Based String-Type Fiber Bragg Grating Acceleration Sensor. <i>IEEE Sensors Journal</i> , 2017 , 17, 1325-1332	4	13
45	Clamp looseness detection using modal strain estimated from FBG based operational modal analysis. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019 , 137, 82-97	4.6	13
44	Pasted type distributed two-dimensional fiber Bragg grating vibration sensor. <i>Review of Scientific Instruments</i> , 2015 , 86, 075009	1.7	13
43	Simultaneous stabilization for uncertain descriptor systems with input saturation. <i>International Journal of Robust and Nonlinear Control</i> , 2012 , 22, 1938-1951	3.6	12
42	Fault Diagnosis of Rolling Bearing Based on Wavelet Package Transform and Ensemble Empirical Mode Decomposition. <i>Advances in Mechanical Engineering</i> , 2013 , 5, 792584	1.2	12
41	A Fiber Bragg Grating Sensing-Based Micro-Vibration Sensor and Its Application. <i>Sensors</i> , 2016 , 16,	3.8	12
40	Smart Cutting Tool Integrated With Optical Fiber Sensors for Cutting Force Measurement in Turning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 1720-1727	5.2	12
39	Fuzzy control of a semi-active multiple degree-of-freedom vibration isolation system. <i>JVC/Journal of Vibration and Control</i> , 2015 , 21, 1608-1621	2	11
38	Sensor-less external force detection for industrial manipulators to facilitate physical human-robot interaction. <i>Journal of Mechanical Science and Technology</i> , 2018 , 32, 4909-4923	1.6	11
37	The Detection of the Pipe Crack Utilizing the Operational Modal Strain Identified from Fiber Bragg Grating. <i>Sensors</i> , 2019 , 19,	3.8	10
36	Manufacturing Capability Assessment for Human-Robot Collaborative Disassembly Based on Multi-Data Fusion. <i>Procedia Manufacturing</i> , 2017 , 10, 26-36	1.5	10
35	String-type based two-dimensional fiber bragg grating vibration sensing principle and structure optimization. <i>Sensors and Actuators A: Physical</i> , 2017 , 259, 85-95	3.9	9
34	Inverse Finite Element Method for Reconstruction of Deformation in the Gantry Structure of Heavy-Duty Machine Tool Using FBG Sensors. <i>Sensors</i> , 2018 , 18,	3.8	9
33	Measurement of Temperature Field for the Spindle of Machine Tool Based on Optical Fiber Bragg Grating Sensors. <i>Advances in Mechanical Engineering</i> , 2013 , 5, 940626	1.2	9
32	Gear pitting fault diagnosis using disentangled features from unsupervised deep learning. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2019 , 233, 719-730	0.8	9
31	Experimental study of dynamic strain for gear tooth using fiber Bragg gratings and piezoelectric strain sensors. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018 , 232, 3992-4003	1.3	8

30	An FBG based smart clamp for the detection of incipient clamp looseness in industrial piping system. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019 , 140, 416-426	4.6	7
29	Unfastening of Hexagonal Headed Screws by a Collaborative Robot. <i>IEEE Transactions on Automation Science and Engineering</i> , 2020 , 1-14	4.9	7
28	An intelligent service matching method for mechanical equipment condition monitoring using the fibre Bragg grating sensor network. <i>Enterprise Information Systems</i> , 2017 , 11, 284-309	3.5	6
27	A temperature-insensitive FBG displacement sensor with a 10-nanometer-grade resolution. <i>IEICE Electronics Express</i> , 2018 , 15, 20180694-20180694	0.5	6
26	A Multiuser Manufacturing Resource Service Composition Method Based on the Bees Algorithm. <i>Computational Intelligence and Neuroscience</i> , 2015 , 2015, 780352	3	6
25	A temperature-independent force transducer using one optical fiber with multiple Bragg gratings. <i>IEICE Electronics Express</i> , 2016 , 13, 20160198-20160198	0.5	5
24	Reliability assessment of the vertical roller mill based on ARIMA and multi-observation HMM. <i>Cogent Engineering</i> , 2017 , 4, 1270703	1.5	5
23	Dynamic modeling of magnetic suspension isolator using artificial neural network: a modified genetic approach. <i>JVC/Journal of Vibration and Control</i> , 2013 , 19, 847-856	2	5
22	A Nonholonomic Motion Planning and Control Based on Chained Form Transformation 2006 ,		5
21	Interlocking problems in disassembly sequence planning. <i>International Journal of Production Research</i> , 2021 , 59, 4723-4735	7.8	5
20	A novel semi-active tuned mass damper with tunable stiffness 2018 ,		5
19	A Diaphragm-Type Highly Sensitive Fiber Bragg Grating Force Transducer With Temperature Compensation. <i>IEEE Sensors Journal</i> , 2017 , 1-1	4	4
18	Knowledge modeling of fault diagnosis for rotating machinery based on ontology 2015 ,		4
17	Modelling of manufacturing resource in manufacturing grid based on XML 2006 ,		4
16	A Skin-Like and Highly Stretchable Optical Fiber Sensor with the Hybrid Coding of Wavelength and Light Intensity. <i>Advanced Intelligent Systems</i> , 2100193	6	4
15	BP Method With Rectified Linear Unit-Based Nonlinear Decoupling for 3-Axis FBG Force Sensor. <i>IEEE Sensors Journal</i> , 2021 , 21, 2972-2979	4	4
14	A MUSIC-based method for SSVEP signal processing. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2016 , 39, 71-84	1.9	3
13	The Connotation of Manufacturing Grid & its key technology 2006 ,		3

12	A temperature self-compensation submicron displacement fbg sensor with tilt parallel-suspended dual-optical fibers. <i>Sensors and Actuators A: Physical</i> , 2021 , 332, 113200	3.9	3
11	Research on pasted FBG-based accelerometer sensitization process method and its characteristics. <i>IEICE Electronics Express</i> , 2015 , 12, 20150583-20150583	0.5	2
10	Turbine rotor dynamic balance vibration measurement based on the non-contact optical fiber grating sensing. <i>IEICE Electronics Express</i> , 2015 , 12, 20150380-20150380	0.5	2
9	Prevention of resource trading fraud in manufacturing grid: a signalling games approach. <i>International Journal of Computer Integrated Manufacturing</i> , 2010 , 23, 391-401	4.3	2
8	Recent Advances and Tendencies regarding Fiber Optic Sensors for Deformation Measurement: A Review. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	2
7	Study on monitoring of cohesive zone damage for L-shaped carbon fiber reinforced plastic adhesive joints based on distributed fiber Bragg grating. <i>Journal of Strain Analysis for Engineering Design</i> , 2019 , 54, 163-175	1.3	1
6	A New Classification Analysis of Customer Requirement Information Based on Quantitative Standardization for Product Configuration. <i>Mathematical Problems in Engineering</i> , 2016 , 2016, 1-8	1.1	1
5	On research of incipient gear pitting fault detection using optic fiber sensors 2018 ,		1
4	Study on Semantic-Aware Manufacturing Grid Architecture 2008 ,		1
3	An Improved Feature Extraction Method for Rolling Bearing Fault Diagnosis Based on MEMD and PE. <i>Polish Maritime Research</i> , 2018 , 25, 98-106	1.7	1
2	The bearing parallel misalignment running modelBased machine tool spindle thermal error analysis. <i>Advances in Mechanical Engineering</i> , 2018 , 10, 168781401877862	1.2	1
1	A general thermal model of machine tool spindle. <i>Advances in Mechanical Engineering</i> , 2017 , 9, 168781401668630		1