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List of Publications by Year
in descending order

80 papers	1,940 citations	304602 22 h-index	265120 42 g-index
80 all docs	80 docs citations	80 times ranked	1577 citing authors

#	Article	IF	Citations
1	A Model-Driven Scheme to Compensate the Strain-Based Non-Intrusive Dynamic Pressure Measurement for Hydraulic Pipe. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	2.4	314
2	Resource Service Composition and Its Optimal-Selection Based on Particle Swarm Optimization in Manufacturing Grid System. IEEE Transactions on Industrial Informatics, 2008, 4, 315-327.	7.2	242
3	Cyber-physical integration for moving digital factories forward towards smart manufacturing: a survey. International Journal of Advanced Manufacturing Technology, 2018, 97, 1209-1221.	1.5	110
4	Recent Advances and Tendency in Fiber Bragg Grating-Based Vibration Sensor: A Review. IEEE Sensors Journal, 2020, 20, 12074-12087.	2.4	97
5	A diaphragm-type fiber Bragg grating pressure sensor with temperature compensation. Measurement: Journal of the International Measurement Confederation, 2013, 46, 1041-1046.	2.5	94
6	Robotic disassembly sequence planning using enhanced discrete bees algorithm in remanufacturing. International Journal of Production Research, 2018, 56, 3134-3151.	4.9	83
7	Sensitivity Enhancement of FBG-Based Strain Sensor. Sensors, 2018, 18, 1607.	2.1	66
8	Diaphragm Based Fiber Bragg Grating Acceleration Sensor with Temperature Compensation. Sensors, 2017, 17, 218.	2.1	61
9	Vibration response of multi-span fluid-conveying pipe with multiple accessories under complex boundary conditions. European Journal of Mechanics, A/Solids, 2018, 72, 41-56.	2.1	60
10	Performance of 3D-Printed Continuous-Carbon-Fiber-Reinforced Plastics with Pressure. Materials, 2020, 13, 471.	1.3	43
11	A diaphragm type fiber Bragg grating vibration sensor based on transverse property of optical fiber with temperature compensation. IEEE Sensors Journal, 2016, , 1-1.	2.4	37
12	Condition monitoring towards energy-efficient manufacturing: a review. International Journal of Advanced Manufacturing Technology, 2017, 91, 3395-3415.	1.5	36
13	A High-Sensitivity Fiber Bragg Grating Displacement Sensor Based on Transverse Property of a Tensioned Optical Fiber Configuration and Its Dynamic Performance Improvement. IEEE Sensors Journal, 2017, 17, 5840-5848.	2.4	36
14	Manufacturing grid resource and resource service digital description. International Journal of Advanced Manufacturing Technology, 2009, 44, 1024-1035.	1.5	29
15	Clamp looseness detection using modal strain estimated from FBG based operational modal analysis. Measurement: Journal of the International Measurement Confederation, 2019, 137, 82-97.	2.5	28
16	A non-contact fiber Bragg grating vibration sensor. Review of Scientific Instruments, 2014, 85, 015002.	0.6	26
17	Fiber Bragg Grating Sensing-Based Online Torque Detection on Coupled Bending and Torsional Vibration of Rotating Shaft. IEEE Sensors Journal, 2017, 17, 1999-2007.	2.4	26
18	Unfastening of Hexagonal Headed Screws by a Collaborative Robot. IEEE Transactions on Automation Science and Engineering, 2020, , 1-14.	3.4	25

#	Article	IF	Citations
19	Strain Modal Analysis of Small and Light Pipes Using Distributed Fibre Bragg Grating Sensors. Sensors, 2016, 16, 1583.	2.1	24
20	A Fiber Bragg Grating Sensing Based Triaxial Vibration Sensor. Sensors, 2015, 15, 24214-24229.	2.1	23
21	Identification and optimal selection of temperature-sensitive measuring points of thermal error compensation on a heavy-duty machine tool. International Journal of Advanced Manufacturing Technology, 2016, 85, 345-353.	1.5	23
22	Smart Cutting Tool Integrated With Optical Fiber Sensors for Cutting Force Measurement in Turning. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1720-1727.	2.4	23
23	Bioinspired Stretchable Fiber-Based Sensor toward Intelligent Humanâ€“Machine Interactions. ACS Applied Materials & Interfaces, 2022, 14, 22666-22677.	4.0	22
24	Recent Advances and Tendencies Regarding Fiber Optic Sensors for Deformation Measurement: A Review. IEEE Sensors Journal, 2022, 22, 2962-2973.	2.4	20
25	A Fiber Bragg Grating Sensing-Based Micro-Vibration Sensor and Its Application. Sensors, 2016, 16, 547.	2.1	19
26	A Skinâ€Like and Highly Stretchable Optical Fiber Sensor with the Hybrid Coding of Wavelengthâ€“Light Intensity. Advanced Intelligent Systems, 2022, 4, .	3.3	19
27	String-type based two-dimensional fiber bragg grating vibration sensing principle and structure optimization. Sensors and Actuators A: Physical, 2017, 259, 85-95.	2.0	18
28	Manufacturing Capability Assessment for Human-Robot Collaborative Disassembly Based on Multi-Data Fusion. Procedia Manufacturing, 2017, 10, 26-36.	1.9	18
29	Paralleled Structure-Based String-Type Fiber Bragg Grating Acceleration Sensor. IEEE Sensors Journal, 2017, 17, 1325-1332.	2.4	17
30	The Detection of the Pipe Crack Utilizing the Operational Modal Strain Identified from Fiber Bragg Grating. Sensors, 2019, 19, 2556.	2.1	17
31	Fault Diagnosis of Rolling Bearing Based on Wavelet Package Transform and Ensemble Empirical Mode Decomposition. Advances in Mechanical Engineering, 2013, 5, 792584.	0.8	17
32	Simultaneous stabilization for uncertain descriptor systems with input saturation. International Journal of Robust and Nonlinear Control, 2012, 22, 1938-1951.	2.1	16
33	Pasted type distributed two-dimensional fiber Bragg grating vibration sensor. Review of Scientific Instruments, 2015, 86, 075009.	0.6	15
34	Fuzzy control of a semi-active multiple degree-of-freedom vibration isolation system. JVC/Journal of Vibration and Control, 2015, 21, 1608-1621.	1.5	15
35	Sensor-less external force detection for industrial manipulators to facilitate physical human-robot interaction. Journal of Mechanical Science and Technology, 2018, 32, 4909-4923.	0.7	14
36	An FBG based smart clamp for the detection of incipient clamp looseness in industrial piping system. Measurement: Journal of the International Measurement Confederation, 2019, 140, 416-426.	2.5	14

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37	Measurement of Temperature Field for the Spindle of Machine Tool Based on Optical Fiber Bragg Grating Sensors. Advances in Mechanical Engineering, 2013, 5, 940626.	0.8	14
38	Experimental study of dynamic strain for gear tooth using fiber Bragg gratings and piezoelectric strain sensors. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 3992-4003.	1.1	13
39	Inverse Finite Element Method for Reconstruction of Deformation in the Gantry Structure of Heavy-Duty Machine Tool Using FBG Sensors. Sensors, 2018, 18, 2173.	2.1	12
40	Gear pitting fault diagnosis using disentangled features from unsupervised deep learning. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2019, 233, 719-730.	0.6	11
41	Interlocking problems in disassembly sequence planning. International Journal of Production Research, 2021, 59, 4723-4735.	4.9	11
42	BP Method With Rectified Linear Unit-Based Nonlinear Decoupling for 3-Axis FBG Force Sensor. IEEE Sensors Journal, 2021, 21, 2972-2979.	2.4	11
43	A Composite Fabry-Perot Interferometric Sensor with the Dual-Cavity Structure for Simultaneous Measurement of High Temperature and Strain. Sensors, 2021, 21, 4989.	2.1	9
44	Modelling of manufacturing resource in manufacturing grid based on XML. , 2006, , .		7
45	A Multiuser Manufacturing Resource Service Composition Method Based on the Bees Algorithm. Computational Intelligence and Neuroscience, 2015, 2015, 1-13.	1.1	7
46	An intelligent service matching method for mechanical equipment condition monitoring using the fibre Bragg grating sensor network. Enterprise Information Systems, 2017, 11, 284-309.	3.3	7
47	Reliability assessment of the vertical roller mill based on ARIMA and multi-observation HMM. Cogent Engineering, 2017, 4, 1270703.	1.1	7
48	A Diaphragm-type Highly Sensitive Fiber Bragg Grating Force Transducer with Temperature Compensation. IEEE Sensors Journal, 2017, , 1-1.	2.4	7
49	A temperature-insensitive FBG displacement sensor with a 10-nanometer-grade resolution. IEICE Electronics Express, 2018, 15, 20180694-20180694.	0.3	7
50	A temperature self-compensation submicron displacement fbg sensor with tilt parallel-suspended dual-optical fibers. Sensors and Actuators A: Physical, 2021, 332, 113200.	2.0	7
51	A Nonholonomic Motion Planning and Control Based on Chained Form Transformation. , 2006, , .		6
52	Knowledge modeling of fault diagnosis for rotating machinery based on ontology. , 2015, , .		6
53	A MUSIC-based method for SSVEP signal processing. Australasian Physical and Engineering Sciences in Medicine, 2016, 39, 71-84.	1.4	6
54	A novel semi-active tuned mass damper with tunable stiffness. , 2018, , .		6

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55	Dynamic modeling of magnetic suspension isolator using artificial neural network: a modified genetic approach. JVC/Journal of Vibration and Control, 2013, 19, 847-856.	1.5	5
56	A temperature-independent force transducer using one optical fiber with multiple Bragg gratings. IEICE Electronics Express, 2016, 13, 20160198-20160198.	0.3	5
57	Research on pasted FBG-based accelerometerâ€™s sensitization process method and its characteristics. IEICE Electronics Express, 2015, 12, 20150583-20150583.	0.3	4
58	The Connotation of Manufacturing Grid&its key technology. , 2006, , .		3
59	Prevention of resource trading fraud in manufacturing grid: a signalling games approach. International Journal of Computer Integrated Manufacturing, 2010, 23, 391-401.	2.9	3
60	Turbine rotor dynamic balance vibration measurement based on the non-contact optical fiber grating sensing. IEICE Electronics Express, 2015, 12, 20150380-20150380.	0.3	3
61	An Improved Feature Extraction Method for Rolling Bearing Fault Diagnosis Based on MEMD and PE. Polish Maritime Research, 2018, 25, 98-106.	0.6	3
62	A New Classification Analysis of Customer Requirement Information Based on Quantitative Standardization for Product Configuration. Mathematical Problems in Engineering, 2016, 2016, 1-8.	0.6	2
63	A Novel Diagnostic Scheme for Gear Pitting Fault Using Fiber Bragg Grating Based Strain Sensors. , 2020, , .		2
64	Study on Semantic-Aware Manufacturing Grid Architecture. , 2008, , .		1
65	Digital Manufacturing and Cloud Manufacturing. Advances in Mechanical Engineering, 2013, 5, 560691.	0.8	1
66	Cooperative Control of An Ankle Rehabilitation Robot Based on Human Intention. , 2018, , .		1
67	The bearing parallel misalignment running modelâ€“based machine tool spindle thermal error analysis. Advances in Mechanical Engineering, 2018, 10, 168781401877862.	0.8	1
68	On research of incipient gear pitting fault detection using optic fiber sensors. , 2018, , .		1
69	Study on monitoring of cohesive zone damage for L-shaped carbon fiberâ€“reinforced plastic adhesive joints based on distributed fiber Bragg grating. Journal of Strain Analysis for Engineering Design, 2019, 54, 163-175.	1.0	1
70	Feasibility Study of Online Monitoring Using the Fiber Bragg Grating Sensor for Geared System. , 2019, , .		1
71	An FBG based smart clamp fabricated by 3D printing technology and its application to incipient clamp looseness detection. , 2019, , .		1
72	Automatic Detection of Subassemblies for Disassembly Sequence Planning. , 2018, , .		1

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73	An optimization design and simulation of Ptolemy-based motor speed control. , 0, , .		0
74	Control Information Acquisition of a Magnetic Suspended Hard Disk Drive. , 2006, , .		0
75	Study on the Service-Oriented Embedded Numerical Control System. , 2008, , .		0
76	A general thermal model of machine tool spindle. Advances in Mechanical Engineering, 2017, 9, 168781401668630.	0.8	0
77	Dynamic Modeling and Fault Feature Analysis of Pitted Gear System. , 2018, , .		0
78	Gear pitting fault diagnosis using disentangled features from unsupervised deep learning. , 2018, , .		0
79	A novel method to detect the liquid level based on the FBG sensor Part I: The structure design and performance analysis. , 2019, , .		0
80	Automatic Detection of Subassemblies for Disassembly Sequence Planning. , 2018, , .		0