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## List of Publications by Year in descending order

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80  
papers

1,940  
citations

304743

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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.	4.7	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.	11.3	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.	3.0	110
4	Recent Advances and Tendency in Fiber Bragg Grating-Based Vibration Sensor: A Review. IEEE Sensors Journal, 2020, 20, 12074-12087.	4.7	97
5	A diaphragm-type fiber Bragg grating pressure sensor with temperature compensation. Measurement: Journal of the International Measurement Confederation, 2013, 46, 1041-1046.	5.0	94
6	Robotic disassembly sequence planning using enhanced discrete bees algorithm in remanufacturing. International Journal of Production Research, 2018, 56, 3134-3151.	7.5	83
7	Sensitivity Enhancement of FBG-Based Strain Sensor. Sensors, 2018, 18, 1607.	3.8	66
8	Diaphragm Based Fiber Bragg Grating Acceleration Sensor with Temperature Compensation. Sensors, 2017, 17, 218.	3.8	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.	3.7	60
10	Performance of 3D-Printed Continuous-Carbon-Fiber-Reinforced Plastics with Pressure. Materials, 2020, 13, 471.	2.9	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.	4.7	37
12	Condition monitoring towards energy-efficient manufacturing: a review. International Journal of Advanced Manufacturing Technology, 2017, 91, 3395-3415.	3.0	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.	4.7	36
14	Manufacturing grid resource and resource service digital description. International Journal of Advanced Manufacturing Technology, 2009, 44, 1024-1035.	3.0	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.	5.0	28
16	A non-contact fiber Bragg grating vibration sensor. Review of Scientific Instruments, 2014, 85, 015002.	1.3	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.	4.7	26
18	Unfastening of Hexagonal Headed Screws by a Collaborative Robot. IEEE Transactions on Automation Science and Engineering, 2020, , 1-14.	5.2	25

#	ARTICLE	IF	CITATIONS
19	Strain Modal Analysis of Small and Light Pipes Using Distributed Fibre Bragg Grating Sensors. <i>Sensors</i> , 2016, 16, 1583.	3.8	24
20	A Fiber Bragg Grating Sensing Based Triaxial Vibration Sensor. <i>Sensors</i> , 2015, 15, 24214-24229.	3.8	23
21	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.	3.0	23
22	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.	4.7	23
23	Bioinspired Stretchable Fiber-Based Sensor toward Intelligent Human-Machine Interactions. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 22666-22677.	8.0	22
24	Recent Advances and Tendencies Regarding Fiber Optic Sensors for Deformation Measurement: A Review. <i>IEEE Sensors Journal</i> , 2022, 22, 2962-2973.	4.7	20
25	A Fiber Bragg Grating Sensing-Based Micro-Vibration Sensor and Its Application. <i>Sensors</i> , 2016, 16, 547.	3.8	19
26	A Skin-Like and Highly Stretchable Optical Fiber Sensor with the Hybrid Coding of Wavelength-Light Intensity. <i>Advanced Intelligent Systems</i> , 2022, 4, .	6.1	19
27	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.	4.1	18
28	Manufacturing Capability Assessment for Human-Robot Collaborative Disassembly Based on Multi-Data Fusion. <i>Procedia Manufacturing</i> , 2017, 10, 26-36.	1.9	18
29	Paralleled Structure-Based String-Type Fiber Bragg Grating Acceleration Sensor. <i>IEEE Sensors Journal</i> , 2017, 17, 1325-1332.	4.7	17
30	The Detection of the Pipe Crack Utilizing the Operational Modal Strain Identified from Fiber Bragg Grating. <i>Sensors</i> , 2019, 19, 2556.	3.8	17
31	Fault Diagnosis of Rolling Bearing Based on Wavelet Package Transform and Ensemble Empirical Mode Decomposition. <i>Advances in Mechanical Engineering</i> , 2013, 5, 792584.	1.6	17
32	Simultaneous stabilization for uncertain descriptor systems with input saturation. <i>International Journal of Robust and Nonlinear Control</i> , 2012, 22, 1938-1951.	3.7	16
33	Pasted type distributed two-dimensional fiber Bragg grating vibration sensor. <i>Review of Scientific Instruments</i> , 2015, 86, 075009.	1.3	15
34	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.	2.6	15
35	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.	1.5	14
36	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.	5.0	14

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37	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.	1.6	14
38	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.	2.1	13
39	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, 2173.	3.8	12
40	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.	0.7	11
41	Interlocking problems in disassembly sequence planning. <i>International Journal of Production Research</i> , 2021, 59, 4723-4735.	7.5	11
42	BP Method With Rectified Linear Unit-Based Nonlinear Decoupling for 3-Axis FBG Force Sensor. <i>IEEE Sensors Journal</i> , 2021, 21, 2972-2979.	4.7	11
43	A Composite Fabry-Perot Interferometric Sensor with the Dual-Cavity Structure for Simultaneous Measurement of High Temperature and Strain. <i>Sensors</i> , 2021, 21, 4989.	3.8	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. <i>Computational Intelligence and Neuroscience</i> , 2015, 2015, 1-13.	1.7	7
46	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.	4.7	7
47	Reliability assessment of the vertical roller mill based on ARIMA and multi-observation HMM. <i>Cogent Engineering</i> , 2017, 4, 1270703.	2.2	7
48	A Diaphragm-type Highly Sensitive Fiber Bragg Grating Force Transducer with Temperature Compensation. <i>IEEE Sensors Journal</i> , 2017, , 1-1.	4.7	7
49	A temperature-insensitive FBG displacement sensor with a 10-nanometer-grade resolution. <i>IEICE Electronics Express</i> , 2018, 15, 20180694-20180694.	0.8	7
50	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.	4.1	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. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2016, 39, 71-84.	1.3	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.	2.6	5
56	A temperature-independent force transducer using one optical fiber with multiple Bragg gratings. IEICE Electronics Express, 2016, 13, 20160198-20160198.	0.8	5
57	Research on pasted FBG-based accelerometer's sensitization process method and its characteristics. IEICE Electronics Express, 2015, 12, 20150583-20150583.	0.8	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.	4.6	3
60	Turbine rotor dynamic balance vibration measurement based on the non-contact optical fiber grating sensing. IEICE Electronics Express, 2015, 12, 20150380-20150380.	0.8	3
61	An Improved Feature Extraction Method for Rolling Bearing Fault Diagnosis Based on MEMD and PE. Polish Maritime Research, 2018, 25, 98-106.	1.9	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.	1.1	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.	1.6	1
66	Cooperative Control of An Ankle Rehabilitation Robot Based on Human Intention. , 2018, , .		1
67	The bearing parallel misalignment running model-based machine tool spindle thermal error analysis. Advances in Mechanical Engineering, 2018, 10, 168781401877862.	1.6	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 fiber-reinforced plastic adhesive joints based on distributed fiber Bragg grating. Journal of Strain Analysis for Engineering Design, 2019, 54, 163-175.	1.8	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.	1.6	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