# Baoquan Jin

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 60 papers | 1,021 citations | 516710 16 h-index | 454955 30 g-index |
| 61 all docs | 61 docs citations | 61 times ranked | 705 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Efficiency Improvement for Regenerative Energy System Using Dynamic Efficiency-SOC-Load Model. Journal of Electrical Engineering and Technology, 2023, 18, 419-429. | 2.0 | 1 |
| 2 | Phase Demodulation Methods for Optical Fiber Vibration Sensing System: A Review. IEEE Sensors Journal, 2022, 22, 1842-1866. | 4.7 | 23 |
| 3 | Interference Fading Suppression Using Active Frequency Transformation Method With Auxiliary Interferometer Feedback. Journal of Lightwave Technology, 2022, 40, 872-879. | 4.6 | 7 |
| 4 | Spatial Resolution Enhancement of OFDR Sensing System Using Phase-Domain-Interpolation Resampling Method. IEEE Sensors Journal, 2022, 22, 3202-3210. | 4.7 | 7 |
| 5 | Envelope Extraction for Vibration Locating in Coherent Î¦-OTDR. Sensors, 2022, 22, 1197. | 3.8 | 1 |
| 6 | Polarization Fading Suppression for Optical Fiber Sensing: A Review. IEEE Sensors Journal, 2022, 22, 8295-8312. | 4.7 | 5 |
| 7 | Random coding method for SNR enhancement of BOTDR. Optics Express, 2022, 30, 11604. | 3.4 | 11 |
| 8 | Detection Range Enhancement for Î¦-OTDR Using Semantic Image Segmentation. Journal of Lightwave Technology, 2022, 40, 4886-4895. | 4.6 | 3 |
| 9 | Power flow predictive model control to improve the efficiency of regenerative energy storage and utilization. Journal of Power Electronics, 2022, 22, 1758-1768. | 1.5 | 2 |
| 10 | Multiresolution Phase Compensation for Phase-Sensitive OTDR. IEEE Sensors Journal, 2022, 22, 14937-14943. | 4.7 | 3 |
| 11 | Energy Recovery and Utilization Efficiency Improvement for Motor-Driven System Using Dynamic Energy Distribution Method. IEEE Transactions on Vehicular Technology, 2022, 71, 10327-10336. | 6.3 | 2 |
| 12 | An anti-noise composite optical fiber vibration sensing System. Optics and Lasers in Engineering, 2021, 139, 106483. | 3.8 | 14 |
| 13 | Pattern Recognition for Distributed Optical Fiber Vibration Sensing: A Review. IEEE Sensors Journal, 2021, 21, 11983-11998. | 4.7 | 48 |
| 14 | A Comprehensive Study of Optical Frequency Domain Reflectometry. IEEE Access, 2021, 9, 41647-41668. | 4.2 | 40 |
| 15 | Crosstalk Noise Suppressed for Multi-frequency Ï•-OTDR Using Compressed Sensing. Journal of Lightwave Technology, 2021, 39, 7343-7350. | 4.6 | 10 |
| 16 | Pulse Coding in Distributed Optical Fiber Vibration Sensor: A Review. IEEE Sensors Journal, 2021, 21, 22371-22387. | 4.7 | 13 |
| 17 | Frequency drift mitigation of Î¦-OTDR using difference-fitting method. Applied Optics, 2021, 60, 459. | 1.8 | 8 |
| 18 | Multi-Parameter Collaborative Power Prediction to Improve the Efficiency of Supercapacitor-Based Regenerative Braking System. IEEE Transactions on Energy Conversion, 2021, 36, 2612-2622. | 5.2 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Sagnac Vibration Sensing System With Nested Pulse Method. Journal of Lightwave Technology, 2021, 39, 1550-1556. | 4.6 | 8 |
| 20 | Fast Peak Searching Method for Brillouin Gain Spectrum Using Positive-slope Inflection Point. Journal of Lightwave Technology, 2021, , 1-1. | 4.6 | 2 |
| 21 | Polarization Fading Suppression of Î¦-OTDR withRayleigh Grayscale Pattern Aggregation Method. Applied Optics, 2021, 60, 10429-10436. | 1.8 | 2 |
| 22 | Long-Distance Detection for Periodic Vibration Signal in Î¦-OTDR System Using Global Phase Demodulation Method. IEEE Sensors Journal, 2021, 21, 26799-26804. | 4.7 | 3 |
| 23 | Coherent Optical Pulse Phase Rotation Reflectometry Insensitive to I/Q Quadrature Imbalance. IEEE Sensors Journal, 2020, 20, 1336-1342. | 4.7 | 2 |
| 24 | Adaptability and Anti-Noise Capacity Enhancement for Ï•-OTDR With Deep Learning. Journal of Lightwave Technology, 2020, 38, 6699-6706. | 4.6 | 11 |
| 25 | Distributed Optical Fiber Low-Frequency Vibration Detecting Using Cross-Correlation Spectrum Analysis. Journal of Lightwave Technology, 2020, 38, 6664-6670. | 4.6 | 9 |
| 26 | Stability Enhancement of BOTDR Strain Sensing System by Using SOA-Based-Gain-Switched Modulation. , 2020, , . | | 1 |
| 27 | Co-Processing Parallel Computation for Distributed Optical Fiber Vibration Sensing. Applied Sciences (Switzerland), 2020, 10, 1747. | 2.5 | 4 |
| 28 | Adaptive Pulse Period Method for Low-Frequency Vibration Sensing With Intensity-Based Phase-Sensitive OTDR Systems. IEEE Access, 2020, 8, 41838-41846. | 4.2 | 1 |
| 29 | Optical Fiber Vibration Sensor Using Least Mean Square Error Algorithm. Sensors, 2020, 20, 2000. | 3.8 | 11 |
| 30 | Remote Simultaneous Measurement of Liquid Temperature and Refractive Index Using Fiber-Optic Spontaneous Raman Scattering. IEEE Sensors Journal, 2019, 19, 10513-10518. | 4.7 | 8 |
| 31 | Optical fiber microphones based on twice envelope demodulation algorithm. Sensors and Actuators A: Physical, 2019, 297, 111555. | 4.1 | 3 |
| 32 | Long-Range Raman Distributed Fiber Temperature Sensor With Early Warning Model for Fire Detection and Prevention. IEEE Sensors Journal, 2019, 19, 3711-3717. | 4.7 | 52 |
| 33 | Pattern Recognition Using Relevant Vector Machine in Optical Fiber Vibration Sensing System. IEEE Access, 2019, 7, 5886-5895. | 4.2 | 48 |
| 34 | Chaotic Correlation Optical Fiber Liquid Level Sensor. Journal of Lightwave Technology, 2019, 37, 1023-1028. | 4.6 | 4 |
| 35 | A Comprehensive Study of Optical Fiber Acoustic Sensing. IEEE Access, 2019, 7, 85821-85837. | 4.2 | 78 |
| 36 | Distributed optical fiber vibration sensor using generalized cross-correlation algorithm. Measurement: Journal of the International Measurement Confederation, 2019, 144, 58-66. | 5.0 | 17 |

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|---|---|---|---|
| 37 | Recent Advances in Brillouin Optical Time Domain Reflectometry. Sensors, 2019, 19, 1862. | 3.8 | 77 |
| 38 | Recent Progress in the Performance Enhancement of Phase-Sensitive OTDR Vibration Sensing Systems. Sensors, 2019, 19, 1709. | 3.8 | 47 |
| 39 | Distributed acoustic sensor based on improved minimum control recursive average algorithm. Optical Fiber Technology, 2019, 50, 125-131. | 2.7 | 6 |
| 40 | The Influence of Laser Linewidth on the Brillouin Shift Frequency Accuracy of BOTDR. Applied Sciences (Switzerland), 2019, 9, 58. | 2.5 | 7 |
| 41 | Parallel Computation Technology for Distributed Optical Fiber Sensing System. , 2019, , . | | 0 |
| 42 | Eliminating Phase Drift for Distributed Optical Fiber Acoustic Sensing System with Empirical Mode Decomposition. Sensors, 2019, 19, 5392. | 3.8 | 20 |
| 43 | Enhancing the SNR of BOTDR by Gain-Switched Modulation. IEEE Photonics Technology Letters, 2019, 31, 283-286. | 2.5 | 17 |
| 44 | Optical fiber vibration sensing system using delay line method. Microwave and Optical Technology Letters, 2019, 61, 853-857. | 1.4 | 1 |
| 45 | Performance Improvement of Raman Distributed Temperature System by Using Noise Suppression. Photonic Sensors, 2018, 8, 103-113. | 5.0 | 20 |
| 46 | A Logarithmic Detection Scheme in BOTDR With Low-Bandwidth Requests. IEEE Access, 2018, 6, 74828-74835. | 4.2 | 4 |
| 47 | Transformerless Ultrasonic Ranging System with the Feature of Intrinsic Safety for Explosive Environment. Sensors, 2018, 18, 4397. | 3.8 | 2 |
| 48 | Partial Discharge Ultrasound Detection Using the Sagnac Interferometer System. Sensors, 2018, 18, 1425. | 3.8 | 40 |
| 49 | Real-Time Phase-Sensitive OTDR Based on Data Matrix Matching Method. Sensors, 2018, 18, 1883. | 3.8 | 6 |
| 50 | Multi-parameter CBM pipeline safety monitoring system based on optical fiber sensing. , 2018, , . | | 2 |
| 51 | Real-Time Distributed Vibration Monitoring System Using $Phi$ -OTDR. IEEE Sensors Journal, 2017, 17, 1333-1341. | 4.7 | 67 |
| 52 | Anti-disturbance proportional integral attitude control and stabilization of rolling hydraulic position system. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2017, 231, 117-130. | 1.0 | 4 |
| 53 | Optical Fiber Vibration Sensor Using Chaotic Laser. IEEE Photonics Technology Letters, 2017, 29, 1336-1339. | 2.5 | 10 |
| 54 | Research on conditional characteristics vision realâ€time detection system for conveyor belt longitudinal tear. IET Science, Measurement and Technology, 2017, 11, 955-960. | 1.6 | 13 |

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|---|---|---|---|
| 55 | A Comprehensive Study of Energy Conservation in Electric-Hydraulic Injection-Molding Equipment. Energies, 2017, 10, 1768. | 3.1 | 12 |
| 56 | Distributed Fiber-Optic Sensors for Vibration Detection. Sensors, 2016, 16, 1164. | 3.8 | 158 |
| 57 | Design and Performance Analysis of an Intrinsically Safe Ultrasonic Ranging Sensor. Sensors, 2016, 16, 867. | 3.8 | 7 |
| 58 | Application research of distributed optical fiber sensing technology used in safety monitoring of coalbed methane pipelines. , 2016, , . | | 0 |
| 59 | Distributed fiber-optic vibration detection system. , 2016, , . | | 2 |
| 60 | Design and Implementation of an Intrinsically Safe Liquid-Level Sensor Using Coaxial Cable. Sensors, 2015, 15, 12613-12634. | 3.8 | 28 |