

Xuanbing Qiu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4440853/publications.pdf>

Version: 2024-02-01

18
papers

373
citations

840776

11
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

247
citing authors

#	ARTICLE	IF	CITATIONS
1	A portable sensor for in-situ measurement of ammonia based on near-infrared laser absorption spectroscopy. Optics and Lasers in Engineering, 2019, 115, 243-248.	3.8	97
2	High-speed multi-pass tunable diode laser absorption spectrometer based on frequency-modulation spectroscopy. Optics Express, 2018, 26, 29330.	3.4	47
3	Development of an early warning fire detection system based on a laser spectroscopic carbon monoxide sensor using a 32-bit system-on-chip. Infrared Physics and Technology, 2019, 96, 44-51.	2.9	30
4	Etalon fringe removal of tunable diode laser multi-pass spectroscopy by wavelet transforms. Optical and Quantum Electronics, 2018, 50, 1.	3.3	26
5	A portable laser-based sensor for detecting H ₂ S in domestic natural gas. Infrared Physics and Technology, 2020, 105, 103153.	2.9	24
6	Sub-ppb nitrogen dioxide detection based on resonant photoacoustic spectroscopy. Microwave and Optical Technology Letters, 2021, 63, 2058-2062.	1.4	24
7	Defect classification by pulsed eddy current technique in con-casting slabs based on spectrum analysis and wavelet decomposition. Sensors and Actuators A: Physical, 2013, 203, 272-281.	4.1	20
8	Fire Detection Algorithm Combined with Image Processing and Flame Emission Spectroscopy. Fire Technology, 2018, 54, 1249-1263.	3.0	18
9	Pressure-Dependent Detection of Carbon Monoxide Employing Wavelength Modulation Spectroscopy Using a Herriott-Type Cell. Applied Spectroscopy, 2017, 71, 809-816.	2.2	17
10	Defect measurement using the laser ultrasonic technique based on power spectral density analysis and wavelet packet energy. Microwave and Optical Technology Letters, 2021, 63, 2079-2084.	1.4	15
11	Simultaneous Measurements of CO and CO ₂ Employing Wavelength Modulation Spectroscopy Using a Signal Averaging Technique at 1.578 μ m. Applied Spectroscopy, 2018, 72, 1380-1387.	2.2	12
12	A portable low-power integrated current and temperature laser controller for high-sensitivity gas sensor applications. Review of Scientific Instruments, 2018, 89, 103103.	1.3	9
13	A novel low-cost turbidity sensor for in-situ extraction in TCM using spectral components of transmitted and scattered light. Measurement: Journal of the International Measurement Confederation, 2020, 160, 107838.	5.0	5
14	Investigation of in situ high temperature sensor based on the direct absorption spectroscopy signal of ammonia gas for coal-fired power plant. Optical and Quantum Electronics, 2019, 51, 1.	3.3	4
15	Determining moisture content of Traditional Chinese Medicines using a near-infrared LED-based moisture content sensor with spectrum analysis. Optical and Quantum Electronics, 2019, 51, 1.	3.3	3
16	A full-optical strain FBG sensor for in-situ monitoring of fatigue stages via tunable DFB laser demodulation. Optical and Quantum Electronics, 2021, 53, 1.	3.3	3
17	Re-investigation of the (3, 0) band in the b ₄ $\hat{1}$ $\hat{1}$ $\hat{1}$ - a ₄ $\hat{1}$ system for nitric oxide by laser absorption spectroscopy. Journal of Molecular Spectroscopy, 2018, 346, 1-3.	1.2	1