

Jiachen Sun

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	QEPAS Sensor for Simultaneous Measurements of H ₂ O, CH ₄ , and C ₂ H ₂ Using Different QTFs. IEEE Photonics Journal, 2018, 10, 1-8.	2.0	21
2	Improvement of the Detection Sensitivity for Tunable Diode Laser Absorption Spectroscopy: A Review. Frontiers in Physics, 2022, 10, .	2.1	19
3	A DFB-LD Internal Temperature Fluctuation Analysis in a TDLAS System for Gas Detection. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	15
4	Adaptively Optimized Gas Analysis Model with Deep Learning for Near-Infrared Methane Sensors. Analytical Chemistry, 2022, 94, 2321-2332.	6.5	13
5	Scanned-wavelength intra-cavity QEPAS sensor with injection seeding technique for C ₂ H ₂ detection. Optics and Laser Technology, 2019, 120, 105751.	4.6	12
6	Near-infrared methane sensor with neural network filtering. Sensors and Actuators B: Chemical, 2022, 354, 131207.	7.8	12
7	Pptv-Level Intra-Cavity QEPAS Sensor for Acetylene Detection Using a High Power Q-Switched Fiber Laser. IEEE Sensors Journal, 2019, 19, 6181-6186.	4.7	11
8	Application of TDM and FDM methods in TDLAS based multi-gas detection. Optical and Quantum Electronics, 2021, 53, 1.	3.3	11
9	Tuning Efficiency of Distributed Feedback Laser Diode for Wavelength Modulation Spectroscopy. IEEE Sensors Journal, 2019, 19, 9722-9727.	4.7	10
10	A novel wavelength modulation spectroscopy gas sensing technique with an ultra-compressed wavelength scanning bandwidth. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 280, 121561.	3.9	5
11	Recovery integral absorbance method in the full concentration range to eliminate the interference of background gas. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 267, 120553.	3.9	2
12	Enhanced Raman Distributed Temperature Sensor Based on Self-Constructed Fully Connected Neural Network. IEEE Sensors Journal, 2022, 22, 15967-15973.	4.7	0