

# Jiachen Sun

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7685230/publications.pdf>

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12  
papers

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citations

1040056

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1281871

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times ranked

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citing authors

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