Siying Chen

List of Publications by Year
in descending order

28 papers	226 citations	1163117 8 h-index	1058476 14 g-index
28 all docs	28 docs citations	28 times ranked	189 citing authors

#	Article	IF	Citations
1	Dual-wavelength-excitation aerosol fluorescence spectra detection using combined spectrometer with Czerny-Turner design. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 277, 121260.	3.9	1
2	Olive oil classification with Laser-induced fluorescence (LIF) spectra using 1-dimensional convolutional neural network and dual convolution structure model. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 279, 121418.	3.9	9
3	Two Practical Methods to Retrieve Aerosol Optical Properties from Coherent Doppler Lidar. Remote Sensing, 2022, 14, 2700.	4.0	2
4	Classification and source analysis of low-altitude aerosols in Beijing using fluorescence–Mie polarization lidar. Optics Communications, 2021, 479, 126417.	2.1	6
5	The 3D Modeling System for Bioaerosol Distribution Based on Planar Laser-Induced Fluorescence. Sensors, 2021, 21, 2607.	3.8	1
6	Improved KS-GMM algorithm applied in classification and recognition of honey based on laser-induced fluorescence spectra. Applied Optics, 2021, 60, 6140.	1.8	0
7	Retrieval of Water Cloud Optical and Microphysical Properties from Combined Multiwavelength Lidar and Radar Data. Remote Sensing, 2021, 13, 4396.	4.0	2
8	Effect of thermal oxidation on detection of adulteration at low concentrations in extra virgin olive oil: Study based on laser-induced fluorescence spectroscopy combined with KPCA–LDA. Food Chemistry, 2020, 309, 125669.	8.2	19
9	Miniature double-grating monochromator with Littman configuration for pure rotational Raman LIDAR. Optical Engineering, 2020, 59, 1.	1.0	3
10	Accurate inversion of tropospheric bottom temperature using pure rotational Raman lidar in polluted air condition. Optics Communications, 2019, 452, 88-94.	2.1	5
11	Fluorescent aerosol observation in the lower atmosphere with an integrated fluorescence-Mie lidar. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 227, 211-218.	2.3	7
12	Improved continuous locality preserving projection for quantification of extra virgin olive oil adulteration by using laser-induced fluorescence. Applied Optics, 2019, 58, 2340.	1.8	2
13	Excitation wavelength analysis of a laser-induced fluorescence technique for quantification of extra virgin olive oil adulteration. Applied Optics, 2019, 58, 4484.	1.8	11
14	A new method for air quality observation based on ultraviolet laser. , 2019, , .		0
15	A Novel Calibration Method for Pure Rotational Raman Lidar Temperature Profiling. Journal of Geophysical Research D: Atmospheres, 2018, 123, 10,925.	3.3	5
16	Calibration method for the reference parameter in Fernald and Klett inversion combining Raman and Elastic return. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 188, 71-78.	2.3	11
17	Overlap determination for temperature measurements from a pure rotational Raman lidar. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2805-2813.	3.3	4
18	Portable Detection and Quantification of Olive Oil Adulteration by 473-nm Laser-Induced Fluorescence. Food Analytical Methods, 2016, 9, 275-279.	2.6	40

#	Article	IF	Citations
19	Classification of Motor Oil Using Laser-Induced Fluorescence and Phosphorescence. Analytical Letters, 2016, 49, 1233-1239.	1.8	3
20	Characterization of Motor Oil by Laser-Induced Fluorescence. Analytical Letters, 2015, 48, 2090-2095.	1.8	6
21	Saturation correction near the ground for pure rotational Raman lidar. Optical Engineering, 2015, 54, 014107.	1.0	0
22	Determining the orientation of transition moments and depolarization by fluorescence polarizing angle spectrum. Optics Express, 2015, 23, 11748.	3.4	9
23	Robust calibration method for pure rotational Raman lidar temperature measurement. Optics Express, 2015, 23, 21232.	3.4	7
24	Analyzing fluorophore electronic structure and depolarization by fluorescence polarizing angle spectrum. Applied Physics Letters, 2014, 105, 031110.	3.3	4
25	Experimental determination of Raman lidar geometric form factor combining Raman and elastic return. Optics Communications, 2014, 332, 296-300.	2.1	11
26	Motor Oil Classification Based on Time-Resolved Fluorescence. PLoS ONE, 2014, 9, e100555.	2.5	7
27	Classification of edible oils using 532 nm laser-induced fluorescence combined with support vector machine. Analytical Methods, 2013, 5, 6960.	2.7	17
28	A pure rotational Raman lidar using double-grating monochromator for temperature profile detection. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 304-309.	2.3	34