

Siying Chen

List of Publications by Year in descending order

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28
papers

226
citations

1163117

8
h-index

1058476

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all docs

28
docs citations

28
times ranked

189
citing authors

#	ARTICLE	IF	CITATIONS
1	Portable Detection and Quantification of Olive Oil Adulteration by 473-nm Laser-Induced Fluorescence. <i>Food Analytical Methods</i> , 2016, 9, 275-279.	2.6	40
2	A pure rotational Raman lidar using double-grating monochromator for temperature profile detection. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 304-309.	2.3	34
3	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. <i>Food Chemistry</i> , 2020, 309, 125669.	8.2	19
4	Classification of edible oils using 532 nm laser-induced fluorescence combined with support vector machine. <i>Analytical Methods</i> , 2013, 5, 6960.	2.7	17
5	Experimental determination of Raman lidar geometric form factor combining Raman and elastic return. <i>Optics Communications</i> , 2014, 332, 296-300.	2.1	11
6	Calibration method for the reference parameter in Fernald and Klett inversion combining Raman and Elastic return. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 188, 71-78.	2.3	11
7	Excitation wavelength analysis of a laser-induced fluorescence technique for quantification of extra virgin olive oil adulteration. <i>Applied Optics</i> , 2019, 58, 4484.	1.8	11
8	Determining the orientation of transition moments and depolarization by fluorescence polarizing angle spectrum. <i>Optics Express</i> , 2015, 23, 11748.	3.4	9
9	Olive oil classification with Laser-induced fluorescence (LIF) spectra using 1-dimensional convolutional neural network and dual convolution structure model. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 279, 121418.	3.9	9
10	Robust calibration method for pure rotational Raman lidar temperature measurement. <i>Optics Express</i> , 2015, 23, 21232.	3.4	7
11	Fluorescent aerosol observation in the lower atmosphere with an integrated fluorescence-Mie lidar. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 227, 211-218.	2.3	7
12	Motor Oil Classification Based on Time-Resolved Fluorescence. <i>PLoS ONE</i> , 2014, 9, e100555.	2.5	7
13	Characterization of Motor Oil by Laser-Induced Fluorescence. <i>Analytical Letters</i> , 2015, 48, 2090-2095.	1.8	6
14	Classification and source analysis of low-altitude aerosols in Beijing using fluorescence&Mie polarization lidar. <i>Optics Communications</i> , 2021, 479, 126417.	2.1	6
15	A Novel Calibration Method for Pure Rotational Raman Lidar Temperature Profiling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 10,925.	3.3	5
16	Accurate inversion of tropospheric bottom temperature using pure rotational Raman lidar in polluted air condition. <i>Optics Communications</i> , 2019, 452, 88-94.	2.1	5
17	Analyzing fluorophore electronic structure and depolarization by fluorescence polarizing angle spectrum. <i>Applied Physics Letters</i> , 2014, 105, 031110.	3.3	4
18	Overlap determination for temperature measurements from a pure rotational Raman lidar. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2805-2813.	3.3	4

#	ARTICLE	IF	CITATIONS
19	Classification of Motor Oil Using Laser-Induced Fluorescence and Phosphorescence. <i>Analytical Letters</i> , 2016, 49, 1233-1239.	1.8	3
20	Miniature double-grating monochromator with Littman configuration for pure rotational Raman LIDAR. <i>Optical Engineering</i> , 2020, 59, 1.	1.0	3
21	Improved continuous locality preserving projection for quantification of extra virgin olive oil adulteration by using laser-induced fluorescence. <i>Applied Optics</i> , 2019, 58, 2340.	1.8	2
22	Retrieval of Water Cloud Optical and Microphysical Properties from Combined Multiwavelength Lidar and Radar Data. <i>Remote Sensing</i> , 2021, 13, 4396.	4.0	2
23	Two Practical Methods to Retrieve Aerosol Optical Properties from Coherent Doppler Lidar. <i>Remote Sensing</i> , 2022, 14, 2700.	4.0	2
24	The 3D Modeling System for Bioaerosol Distribution Based on Planar Laser-Induced Fluorescence. <i>Sensors</i> , 2021, 21, 2607.	3.8	1
25	Dual-wavelength-excitation aerosol fluorescence spectra detection using combined spectrometer with Czerny-Turner design. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 277, 121260.	3.9	1
26	Saturation correction near the ground for pure rotational Raman lidar. <i>Optical Engineering</i> , 2015, 54, 014107.	1.0	0
27	Improved KS-GMM algorithm applied in classification and recognition of honey based on laser-induced fluorescence spectra. <i>Applied Optics</i> , 2021, 60, 6140.	1.8	0
28	A new method for air quality observation based on ultraviolet laser. , 2019, , .		0