

# Ling Lin

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

252  
citations

840776

11  
h-index

940533

16  
g-index

23  
all docs

23  
docs citations

23  
times ranked

121  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards robust reduction of nonlinear errors in dynamic spectrum spectroscopy for effective noninvasive optical detection of blood components. <i>Infrared Physics and Technology</i> , 2022, 121, 104049.	2.9	1
2	Higher precision integer operations instead of floating-point operations in computers or microprocessors. <i>Review of Scientific Instruments</i> , 2021, 92, 025104.	1.3	0
3	A review on M&N theory and its strategies to improve the accuracy of spectrochemical composition analysis of complex liquids. <i>Applied Spectroscopy Reviews</i> , 2020, 55, 87-104.	6.7	32
4	A review on the strategies for reducing the non-linearity caused by scattering on spectrochemical quantitative analysis of complex solutions. <i>Applied Spectroscopy Reviews</i> , 2020, 55, 351-377.	6.7	22
5	Improving the analysis accuracy of components in blood by SSP-MCSD and multi-mode spectral data fusion. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117778.	3.9	8
6	Non-destructive and rapid detection of blood quality in blood bags based on modified ACO wavelength selection algorithm. , 2020, , .		1
7	Improving the nondestructive analysis accuracy of liquids in a flexible container based on the multi-pathlength spectrum method. <i>Review of Scientific Instruments</i> , 2019, 90, 056101.	1.3	1
8	Determine the significant digit of spectral data and reduce its redundant digits to eliminate the chance correlation problem based on the "salami slicing" method. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2019, 187, 1-5.	3.5	1
9	Accuracy improvement of quantitative analysis in VIS-NIR spectroscopy using the GKF-WTEF algorithm. <i>Applied Optics</i> , 2019, 58, 7836.	1.8	2
10	Nondestructive Measurement of Hemoglobin in Blood Bags Based on Multi-Pathlength VIS-NIR Spectroscopy. <i>Scientific Reports</i> , 2018, 8, 2204.	3.3	16
11	Non-linearity correction in NIR absorption spectra by grouping modeling according to the content of analyte. <i>Scientific Reports</i> , 2018, 8, 8564.	3.3	12
12	The relationship between the perfusion index and precision of noninvasive blood component measurement based on dynamic spectroscopy. <i>Analytical Methods</i> , 2017, 9, 2578-2584.	2.7	11
13	Noninvasive hemoglobin measurement based on optimizing Dynamic Spectrum method. <i>Spectroscopy Letters</i> , 2017, 50, 164-170.	1.0	16
14	Suppression of inter-device variation for component analysis of turbid liquids based on spatially resolved diffuse reflectance spectroscopy. <i>Review of Scientific Instruments</i> , 2017, 88, 033104.	1.3	6
15	Dynamic spectrum extraction method based on independent component analysis combined dual-tree complex wavelet transform. <i>RSC Advances</i> , 2017, 7, 11198-11205.	3.6	12
16	Calibration set selection method based on the "M + N" theory: application to non-invasive measurement by dynamic spectrum. <i>RSC Advances</i> , 2016, 6, 113322-113326.	3.6	33
17	Quantitative determination based on the differences between spectra-temperature relationships. <i>Talanta</i> , 2016, 155, 47-52.	5.5	22
18	Detection of free hemoglobin in blood products using transmission spectra and fluorescence spectra for quality assurance. <i>Analytical Methods</i> , 2016, 8, 4239-4244.	2.7	17

#	ARTICLE	IF	CITATIONS
19	Fast digital lock-in amplifier for dynamic spectrum extraction. Journal of Biomedical Optics, 2013, 18, 057003.	2.6	15
20	Composition Analysis of Scattering Liquids Based on Spatially Offset Visible-Near-Infrared Spectroscopy. Applied Spectroscopy, 2012, 66, 1347-1352.	2.2	21