

# Huijie Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

167  
citations

1307594

7  
h-index

1125743

13  
g-index

20  
all docs

20  
docs citations

20  
times ranked

119  
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in cost-effective integrated spectrometers. <i>Light: Science and Applications</i> , 2022, 11, .	16.6	59
2	On-chip monolithic Fourier transform spectrometers assisted by cGAN spectral prediction. <i>Optics Letters</i> , 2021, 46, 4288.	3.3	5
3	An oversampling software-triggering interferogram method for Fourier-transform infrared spectrometers. <i>Infrared Physics and Technology</i> , 2021, 116, 103805.	2.9	3
4	A Low-rank strategy for improving the prediction accuracy of partial least square models. <i>Infrared Physics and Technology</i> , 2021, 116, 103798.	2.9	2
5	A spectral recovery method for Raman spectroscopy utilizing prior datasets. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 225, 117505.	3.9	0
6	On-chip polarization-insensitive Fourier transform spectrometer. <i>Optics Letters</i> , 2020, 45, 1479.	3.3	6
7	A calibration transfer methodology for Standardization of Raman instruments with different spectral resolutions using Double Digital Projection Slit. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2019, 191, 143-147.	3.5	12
8	An active hyperspectral imaging system based on a multi-LED light source. <i>Review of Scientific Instruments</i> , 2019, 90, 026107.	1.3	8
9	Chirality discrimination at the carvone air/liquid interfaces detected by heterodyne-detected sum frequency generation. <i>Heliyon</i> , 2019, 5, e03061.	3.2	1
10	On-chip Fourier transform spectrometers by dual-polarized detection. <i>Optics Letters</i> , 2019, 44, 2923.	3.3	14
11	Note: A unibody NIR transmission probe for in situ liquid detection. <i>Review of Scientific Instruments</i> , 2018, 89, 036104.	1.3	4
12	A low-rank estimation method for CTIS image reconstruction. <i>Measurement Science and Technology</i> , 2018, 29, 095401.	2.6	4
13	Integrated spectral and spatial information extraction in Raman spectroscopy. <i>Spectroscopy Letters</i> , 2018, 51, 472-475.	1.0	0
14	Raman Spectroscopy for Pharmaceutical Quantitative Analysis by Low-Rank Estimation. <i>Frontiers in Chemistry</i> , 2018, 6, 400.	3.6	6
15	Speeding up Raman spectral imaging by the three-dimensional low rank estimation method. <i>Optics Express</i> , 2018, 26, 525.	3.4	7
16	High-resolution broadband sum frequency generation vibrational spectroscopy using intrapulse interference. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20752-20755.	2.8	0
17	Note: A NDIR instrument for multicomponent gas detection using the galvanometer modulation. <i>Review of Scientific Instruments</i> , 2017, 88, 116103.	1.3	13
18	Enhancing the signal-to-noise ratio of FTIR spectrometers by a digital J-Stop. <i>Optics Express</i> , 2017, 25, 19077.	3.4	11

#	ARTICLE	IF	CITATIONS
19	Improving the resolution and the throughput of spectrometers by a digital projection slit. Optics Express, 2017, 25, 23045.	3.4	10
20	Silicon Channeled Spectropolarimeter for On-Chip Single-Detector Stokes Spectroscopy. Advanced Photonics Research, 0, , 2100212.	3.6	2