

Michael H Kähler

List of Publications by Year in descending order

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16
papers

237
citations

1163117

8
h-index

1199594

12
g-index

16
all docs

16
docs citations

16
times ranked

249
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Optical Fiber Sensors Based on Multimode Interference (MMI): A Review. IEEE Sensors Journal, 2021, 21, 132-142.	4.7	76
2	A review of hyperspectral imaging for nanoscale materials research. Applied Spectroscopy Reviews, 2019, 54, 285-305.	6.7	43
3	3D Deep Learning Enables Accurate Layer Mapping of 2D Materials. ACS Nano, 2021, 15, 3139-3151.	14.6	25
4	Gas Measurement Using Static Fourier Transform Infrared Spectrometers. Sensors, 2017, 17, 2612.	3.8	17
5	Optical Setup for Error Compensation in a Laser Triangulation System. Sensors, 2020, 20, 4949.	3.8	14
6	Line-Scan Hyperspectral Imaging Microscopy with Linear Unmixing for Automated Two-Dimensional Crystals Identification. ACS Photonics, 2020, 7, 1216-1225.	6.6	13
7	Broadband static Fourier transform mid-infrared spectrometer. Applied Optics, 2019, 58, 3393.	1.8	10
8	Characterization and layer thickness mapping of two-dimensional MoS2 flakes via hyperspectral line-scanning microscopy. Applied Physics Express, 2019, 12, 102004.	2.4	9
9	Hyperspectral imager for the mid-infrared spectral range using a single-mirror interferometer and a windowing method. OSA Continuum, 2019, 2, 3212.	1.8	8
10	Optical Fiber Sensor for Temperature and Strain Measurement Based on Multimode Interference and Square-Core Fiber. Micromachines, 2021, 12, 1239.	2.9	8
11	Static Fourier transform mid-infrared spectrometer with increased spectral resolution using a stepped mirror. OSA Continuum, 2020, 3, 2134.	1.8	6
12	Analyses of hyperspectral imaging microscopy data sets of semiconducting 2D materials. Applied Physics Express, 2020, 13, 052008.	2.4	4
13	Analysis of sub-pixel laser spot detection in laser triangulation systems. , 2019, , .		4
14	Setup and evaluation of a static imaging Fourier transform spectrometer for the mid-infrared spectral range. , 2019, , .		0
15	Static Fourier transform mid-infrared spectrometer with continuous background correction. , 2019, , .		0
16	Compact static Fourier transform spectrometer for time-resolved mid-infrared spectroscopy. , 2020, , .		0