

Xingchen Dong

List of Publications by Year in descending order

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26
papers

461
citations

840776

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all docs

26
docs citations

26
times ranked

405
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain-insensitive high-sensitivity temperature sensing based on multimode interference in a square-core fiber. <i>Japanese Journal of Applied Physics</i> , 2022, 61, 078002.	1.5	5
2	Deep Learning-Based Microscopic Imagery Classification, Segmentation, and Detection for the Identification of 2D Semiconductors. <i>Advanced Theory and Simulations</i> , 2022, 5, .	2.8	6
3	Advances in Optical Fiber Sensors Based on Multimode Interference (MMI): A Review. <i>IEEE Sensors Journal</i> , 2021, 21, 132-142.	4.7	76
4	3D Deep Learning Enables Accurate Layer Mapping of 2D Materials. <i>ACS Nano</i> , 2021, 15, 3139-3151.	14.6	25
5	Hyperspectral Fingerprints for Atomic Layer Mapping of Two-Dimensional Materials with Single-Layer Accuracy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16583-16590.	3.1	4
6	Optical Fiber Sensor for Temperature and Strain Measurement Based on Multimode Interference and Square-Core Fiber. <i>Micromachines</i> , 2021, 12, 1239.	2.9	8
7	Single-Shot High-Throughput Phase Imaging with Multibeam Array Interferometric Microscopy. <i>ACS Photonics</i> , 2021, 8, 3536-3547.	6.6	2
8	Low-pass filtering compensation in common-path digital holographic microscopy. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	11
9	Analyses of hyperspectral imaging microscopy data sets of semiconducting 2D materials. <i>Applied Physics Express</i> , 2020, 13, 052008.	2.4	4
10	Line-Scan Hyperspectral Imaging Microscopy with Linear Unmixing for Automated Two-Dimensional Crystals Identification. <i>ACS Photonics</i> , 2020, 7, 1216-1225.	6.6	13
11	Shear-unlimited common-path speckle interferometer. <i>Optics Letters</i> , 2020, 45, 1305.	3.3	7
12	Static Fourier transform mid-infrared spectrometer with increased spectral resolution using a stepped mirror. <i>OSA Continuum</i> , 2020, 3, 2134.	1.8	6
13	Compact static Fourier transform spectrometer for time-resolved mid-infrared spectroscopy. , 2020, , .		0
14	Characterization and layer thickness mapping of two-dimensional MoS ₂ flakes via hyperspectral line-scanning microscopy. <i>Applied Physics Express</i> , 2019, 12, 102004.	2.4	9
15	Microscale Spectroscopic Mapping of 2D Optical Materials. <i>Advanced Optical Materials</i> , 2019, 7, 1900324.	7.3	18
16	A review of hyperspectral imaging for nanoscale materials research. <i>Applied Spectroscopy Reviews</i> , 2019, 54, 285-305.	6.7	43
17	Dual-directional shearography based on a modified common-path configuration using spatial phase shift. <i>Applied Optics</i> , 2019, 58, 593.	1.8	22
18	Broadband static Fourier transform mid-infrared spectrometer. <i>Applied Optics</i> , 2019, 58, 3393.	1.8	10

#	ARTICLE	IF	CITATIONS
19	Real-time dual-sensitive shearography for simultaneous in-plane and out-of-plane strain measurements. <i>Optics Express</i> , 2019, 27, 3276.	3.4	16
20	Hyperspectral imager for the mid-infrared spectral range using a single-mirror interferometer and a windowing method. <i>OSA Continuum</i> , 2019, 2, 3212.	1.8	8
21	Setup and evaluation of a static imaging Fourier transform spectrometer for the mid-infrared spectral range. , 2019, , .		0
22	Static Fourier transform mid-infrared spectrometer with continuous background correction. , 2019, , .		0
23	Adsorption performance of Rh decorated SWCNT upon SF 6 decomposed components based on DFT method. <i>Applied Surface Science</i> , 2017, 420, 825-832.	6.1	53
24	A first principle simulation of competitive adsorption of SF6 decomposition components on nitrogen-doped anatase TiO2 (101) surface. <i>Applied Surface Science</i> , 2017, 422, 331-338.	6.1	42
25	Theoretical and experimental study on competitive adsorption of SF6 decomposed components on Au-modified anatase (101) surface. <i>Applied Surface Science</i> , 2016, 387, 437-445.	6.1	28
26	Preparation and Application of TiO2 Nanotube Array Gas Sensor for SF6-Insulated Equipment Detection: a Review. <i>Nanoscale Research Letters</i> , 2016, 11, 302.	5.7	45