

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	Advances in Optical Fiber Sensors Based on Multimode Interference (MMI): A Review. IEEE Sensors Journal, 2021, 21, 132-142.	4.7	76
2	Adsorption performance of Rh decorated SWCNT upon SF ₆ decomposed components based on DFT method. Applied Surface Science, 2017, 420, 825-832.	6.1	53
3	Preparation and Application of TiO ₂ Nanotube Array Gas Sensor for SF ₆ -Insulated Equipment Detection: a Review. Nanoscale Research Letters, 2016, 11, 302.	5.7	45
4	A review of hyperspectral imaging for nanoscale materials research. Applied Spectroscopy Reviews, 2019, 54, 285-305.	6.7	43
5	A first principle simulation of competitive adsorption of SF ₆ decomposition components on nitrogen-doped anatase TiO ₂ (101) surface. Applied Surface Science, 2017, 422, 331-338.	6.1	42
6	Theoretical and experimental study on competitive adsorption of SF ₆ decomposed components on Au-modified anatase (101) surface. Applied Surface Science, 2016, 387, 437-445.	6.1	28
7	3D Deep Learning Enables Accurate Layer Mapping of 2D Materials. ACS Nano, 2021, 15, 3139-3151.	14.6	25
8	Dual-directional shearography based on a modified common-path configuration using spatial phase shift. Applied Optics, 2019, 58, 593.	1.8	22
9	Microscale Spectroscopic Mapping of 2D Optical Materials. Advanced Optical Materials, 2019, 7, 1900324.	7.3	18
10	Real-time dual-sensitive shearography for simultaneous in-plane and out-of-plane strain measurements. Optics Express, 2019, 27, 3276.	3.4	16
11	Line-Scan Hyperspectral Imaging Microscopy with Linear Unmixing for Automated Two-Dimensional Crystals Identification. ACS Photonics, 2020, 7, 1216-1225.	6.6	13
12	Low-pass filtering compensation in common-path digital holographic microscopy. Applied Physics Letters, 2020, 117, .	3.3	11
13	Broadband static Fourier transform mid-infrared spectrometer. Applied Optics, 2019, 58, 3393.	1.8	10
14	Characterization and layer thickness mapping of two-dimensional MoS ₂ flakes via hyperspectral line-scanning microscopy. Applied Physics Express, 2019, 12, 102004.	2.4	9
15	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
16	Optical Fiber Sensor for Temperature and Strain Measurement Based on Multimode Interference and Square-Core Fiber. Micromachines, 2021, 12, 1239.	2.9	8
17	Shear-unlimited common-path speckle interferometer. Optics Letters, 2020, 45, 1305.	3.3	7
18	Static Fourier transform mid-infrared spectrometer with increased spectral resolution using a stepped mirror. OSA Continuum, 2020, 3, 2134.	1.8	6

#	ARTICLE	IF	CITATIONS
19	Deepâ€Learningâ€Based Microscopic Imagery Classification, Segmentation, and Detection for the Identification of 2D Semiconductors. <i>Advanced Theory and Simulations</i> , 2022, 5, .	2.8	6
20	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
21	Analyses of hyperspectral imaging microscopy data sets of semiconducting 2D materials. <i>Applied Physics Express</i> , 2020, 13, 052008.	2.4	4
22	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
23	Single-Shot High-Throughput Phase Imaging with Multibeam Array Interferometric Microscopy. <i>ACS Photonics</i> , 2021, 8, 3536-3547.	6.6	2
24	Setup and evaluation of a static imaging Fourier transform spectrometer for the mid-infrared spectral range. , 2019, , .		0
25	Static Fourier transform mid-infrared spectrometer with continuous background correction. , 2019, , .		0
26	Compact static Fourier transform spectrometer for time-resolved mid-infrared spectroscopy. , 2020, , .		0