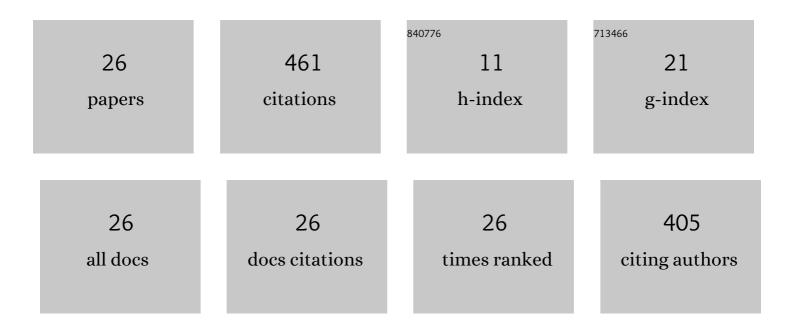
## Xingchen Dong

List of Publications by Year in descending order

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| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Advances in Optical Fiber Sensors Based on Multimode Interference (MMI): A Review. IEEE Sensors<br>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 TiO2 Nanotube Array Gas Sensor for SF6-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 SF6 decomposition components on nitrogen-doped anatase TiO2 (101) surface. Applied Surface Science, 2017, 422, 331-338. | 6.1  | 42        |
| 6  | Theoretical and experimental study on competitive adsorption of SF6 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,<br>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<br>Crystals Identification. ACS Photonics, 2020, 7, 1216-1225.                      | 6.6  | 13        |
| 12 | Low-pass filtering compensation in common-path digital holographic microscopy. Applied Physics<br>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 MoS2 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         |

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| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Deep‣earningâ€Based Microscopic Imagery Classification, Segmentation, and Detection for the<br>Identification of 2D Semiconductors. Advanced Theory and Simulations, 2022, 5, . | 2.8 | 6         |
| 20 | Strain-insensitive high-sensitivity temperature sensing based on multimode interference in a square-core fiber. Japanese Journal of Applied Physics, 2022, 61, 078002.          | 1.5 | 5         |
| 21 | Analyses of hyperspectral imaging microscopy data sets of semiconducting 2D materials. Applied<br>Physics Express, 2020, 13, 052008.  | 2.4 | 4         |
| 22 | Hyperspectral Fingerprints for Atomic Layer Mapping of Two-Dimensional Materials with Single-Layer<br>Accuracy. Journal of Physical Chemistry C, 2021, 125, 16583-16590.        | 3.1 | 4         |
| 23 | Single-Shot High-Throughput Phase Imaging with Multibeam Array Interferometric Microscopy. ACS<br>Photonics, 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, ,   |     | Ο         |
| 26 | Compact static Fourier transform spectrometer for time-resolved mid-infrared spectroscopy. , 2020, , .  |     | 0         |