

# Haixia Wang

## List of Publications by Year in descending order

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papers

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times ranked

151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Coherence Tomography in Fingertip Biometrics. Optics and Lasers in Engineering, 2022, 151, 106868.	3.8	12
2	Guest-editorial: Progress in photomechanics (II). Optics and Lasers in Engineering, 2022, 152, 106987.	3.8	0
3	Surface and Internal Fingerprint Reconstruction From Optical Coherence Tomography Through Convolutional Neural Network. IEEE Transactions on Information Forensics and Security, 2021, 16, 685-700.	6.9	24
4	A STN-Based Self-supervised Network for Dense Fingerprint Registration. Lecture Notes in Computer Science, 2021, , 277-286.	1.3	2
5	Pruned Distributed and Parallel Subarray Beamforming for 3-D Underwater Imaging With Fine-Grid Sparse Arrays. IEEE Journal of Oceanic Engineering, 2021, 46, 1356-1371.	3.8	3
6	Subcutaneous sweat pore estimation from optical coherence tomography. IET Image Processing, 2021, 15, 3267-3280.	2.5	7
7	A New Approach to External and Internal Fingerprint Registration With Multisensor Difference Minimization. IEEE Transactions on Biometrics, Behavior, and Identity Science, 2020, 2, 363-376.	4.4	13
8	Synchronous Fingerprint Acquisition System Based on Total Internal Reflection and Optical Coherence Tomography. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 8452-8465.	4.7	26
9	Acquisition and extraction of surface and internal fingerprints from optical coherence tomography through 3D fully convolutional network. Optik, 2020, 205, 164176.	2.9	13
10	Synthesis of sparse planar arrays in the whole field by compressed sensing. Electronics Letters, 2019, 55, 1211-1212.	1.0	1
11	Discontinuous fringe pattern segmentation based on fully convolutional neural network. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2019, 2019, 1008A1430.	0.0	0
12	External and internal fingerprint extraction based on optical coherence tomography. , 2018, , .		9
13	Fingerprint Pore Extraction Using U-Net Based Fully Convolutional Network. Lecture Notes in Computer Science, 2017, , 279-287.	1.3	14
14	Local orientation coherence based segmentation and boundary-aware diffusion for discontinuous fringe patterns. Optics Express, 2016, 24, 15609.	3.4	13
15	Coherence Enhancing Diffusion for Discontinuous Fringe Patterns with Oriented Boundary Padding. Lecture Notes in Computer Science, 2015, , 362-369.	1.3	0
16	Oriented boundary padding for iterative and oriented fringe pattern denoising techniques. Signal Processing, 2014, 102, 112-121.	3.7	7
17	Quality-guided orientation unwrapping for fringe direction estimation. Applied Optics, 2012, 51, 413.	1.8	13
18	Comparative analysis on some spatial-domain filters for fringe pattern denoising. Applied Optics, 2011, 50, 1687.	2.1	29

#	ARTICLE	IF	CITATIONS
19	Some Recent Developments of Windowed Fourier Transform for Fringe Pattern Analysis. , 2010, , .		6
20	Coherence Enhancing Diffusion and Windowed Fourier Filtering for Fringe Patterns Denoising (II). , 2010, , .		5
21	Fringe pattern denoising using coherence-enhancing diffusion. Optics Letters, 2009, 34, 1141.	3.3	76
22	Frequency guided methods for demodulation of a single fringe pattern. Optics Express, 2009, 17, 15118.	3.4	66