Xiaowei Li

List of Publications by Year in descending order

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42 papers	779 citations	516710 16 h-index	526287 27 g-index
42 all docs	42 docs citations	42 times ranked	699 citing authors

#	Article	IF	Citations
1	3D image hiding using deep demosaicking and computational integral imaging. Optics and Lasers in Engineering, 2022, 148, 106772.	3.8	6
2	Designing real-time 3D image security with CA-based random mode decomposition. Signal Processing, 2022, 197, 108554.	3.7	10
3	3D medical images security via light-field imaging. Optics Letters, 2022, 47, 3535.	3.3	4
4	Computer generated hologram-based image cryptosystem with multiple chaotic systems. Wireless Networks, 2021, 27, 3507-3521.	3.0	5
5	Cryptanalysis for a light-field 3D cryptosystem based on M-cGAN. Optics Letters, 2021, 46, 4916.	3.3	4
6	Comparison of Camera Calibration and Measurement Accuracy Techniques for Phase Measuring Deflectometry. Applied Sciences (Switzerland), 2021, 11, 10300.	2.5	1
7	Plasmon-Accelerated Water Oxidation at Ni-Modified Au Nanodimers on TiO₂ Single Crystals. ACS Energy Letters, 2021, 6, 4374-4382.	17.4	14
8	Ownership protection for light-field 3D images: HDCT watermarking. Optics Express, 2021, 29, 43256.	3.4	1
9	Active Intermediates in Plasmon-Induced Water Oxidation at Au Nanodimer Structures on a Single Crystal of TiO₂. ACS Energy Letters, 2020, 5, 1252-1259.	17.4	28
10	Interfacial Structure-Modulated Plasmon-Induced Water Oxidation on Strontium Titanate. ACS Applied Energy Materials, 2020, 3, 5675-5683.	5.1	15
11	Phase-extraction algorithm for a single-shot spatial-carrier orthogonal fringe pattern with least squares method. Optical Engineering, 2020, 59, 1.	1.0	7
12	Photoelectrochemical Formation of Polysulfide at PbS QD-Sensitized Plasmonic Electrodes. Journal of Physical Chemistry Letters, 2019, 10, 5357-5363.	4.6	5
13	An Adaptive and Secure Holographic Image Watermarking Scheme. Entropy, 2019, 21, 460.	2.2	6
14	Copyright Protection for Holographic Video Using Spatiotemporal Consistent Embedding Strategy. IEEE Transactions on Industrial Informatics, 2019, 15, 6187-6197.	11.3	15
15	Deep Learning for Improving the Robustness of Image Encryption. IEEE Access, 2019, 7, 181083-181091.	4.2	24
16	Modified integral imaging reconstruction and encryption using an improved SR reconstruction algorithm. Optics and Lasers in Engineering, 2019, 112, 162-169.	3.8	47
17	Optical 3D object security and reconstruction using pixel-evaluated integral imaging algorithm. Optics Express, 2019, 27, 20720.	3.4	7
18	Electrochemical Fine Tuning of the Plasmonic Properties of Au Lattice Structures. Journal of Physical Chemistry C, 2018, 122, 14162-14167.	3.1	17

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19	Plasmonically enhanced electromotive force of narrow bandgap PbS QD-based photovoltaics. Physical Chemistry Chemical Physics, 2018, 20, 14818-14827.	2.8	9
20	Electrochemical surface-enhanced Raman scattering measurement on ligand capped PbS quantum dots at gap of Au nanodimer. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 197, 244-250.	3.9	8
21	Error-free holographic frames encryption with CA pixel-permutation encoding algorithm. Optics and Lasers in Engineering, 2018, 100, 200-207.	3.8	50
22	Encryption and display of multiple-image information using computer-generated holography with modified GS iterative algorithm. Optics Communications, 2018, 410, 488-495.	2.1	11
23	Wavelet-based iterative perfect reconstruction in computational integral imaging. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2018, 35, 1212.	1.5	10
24	Designing optical 3D images encryption and reconstruction using monospectral synthetic aperture integral imaging. Optics Express, 2018, 26, 11084.	3.4	33
25	Ownership protection of holograms using quick-response encoded plenoptic watermark. Optics Express, 2018, 26, 30492.	3.4	7
26	Plasmonic Fields Focused to Molecular Size. ChemNanoMat, 2017, 3, 843-856.	2.8	9
27	Double color image encryption scheme based on off-axis holography and maximum length cellular automata. Optik, 2017, 145, 407-417.	2.9	11
28	Copyright protection for elemental image array by hypercomplex Fourier transform and an adaptive texturized holographic algorithm. Optics Express, 2017, 25, 17076.	3.4	15
29	Optical encryption via monospectral integral imaging. Optics Express, 2017, 25, 31516.	3.4	32
30	Surface-Enhanced Raman Spectroscopy for the Characterization of Semiconductor Nanostructure Surfaces. ACS Symposium Series, 2016, , 163-180.	0.5	2
31	Visualization of Active Sites for Plasmon-Induced Electron Transfer Reactions Using Photoelectrochemical Polymerization of Pyrrole. Journal of Physical Chemistry C, 2016, 120, 16051-16058.	3.1	63
32	Visual perception based robust watermarking with integral imaging. Optik, 2016, 127, 11828-11839.	2.9	3
33	Encrypting 2D/3D image using improved lensless integral imaging in Fresnel domain. Optics Communications, 2016, 381, 260-270.	2.1	16
34	Chaotic image encryption using pseudo-random masks and pixel mapping. Signal Processing, 2016, 125, 48-63.	3.7	55
35	Robustness enhancement for image hiding algorithm in cellular automata domain. Optics Communications, 2015, 356, 186-194.	2.1	10
36	Robust copyright protection using multiple ownership watermarks. Optics Express, 2015, 23, 3035.	3.4	42

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37	Plasmonic Enhancement of Photoenergy Conversion in the Visible Light Region Using PbS Quantum Dots Coupled with Au Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 22092-22101.	3.1	19
38	Modified computational integral imaging-based double image encryption using fractional Fourier transform. Optics and Lasers in Engineering, 2015, 66, 112-121.	3.8	47
39	Combined use of BP neural network and computational integral imaging reconstruction for optical multiple-image security. Optics Communications, 2014, 315, 147-158.	2.1	26
40	High security and robust optical image encryption approach based on computer-generated integral imaging pickup and iterative back-projection techniques. Optics and Lasers in Engineering, 2014, 55, 162-182.	3.8	20
41	A 3D image encryption technique using computer-generated integral imaging and cellular automata transform. Optik, 2014, 125, 2983-2990.	2.9	20
42	Optical 3D watermark based digital image watermarking for telemedicine. Optics and Lasers in Engineering, 2013, 51, 1310-1320.	3.8	45