Xiaowei Li

List of Publications by Year
in descending order

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	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
2	Chaotic image encryption using pseudo-random masks and pixel mapping. Signal Processing, 2016, 125, 48-63.	3.7	55
3	Error-free holographic frames encryption with CA pixel-permutation encoding algorithm. Optics and Lasers in Engineering, 2018, 100, 200-207.	3.8	50
4	Modified computational integral imaging-based double image encryption using fractional Fourier transform. Optics and Lasers in Engineering, 2015, 66, 112-121.	3.8	47
5	Modified integral imaging reconstruction and encryption using an improved SR reconstruction algorithm. Optics and Lasers in Engineering, 2019, 112, 162-169.	3.8	47
6	Optical 3D watermark based digital image watermarking for telemedicine. Optics and Lasers in Engineering, 2013, 51, 1310-1320.	3.8	45
7	Robust copyright protection using multiple ownership watermarks. Optics Express, 2015, 23, 3035.	3.4	42
8	Designing optical 3D images encryption and reconstruction using monospectral synthetic aperture integral imaging. Optics Express, 2018, 26, 11084.	3.4	33
9	Optical encryption via monospectral integral imaging. Optics Express, 2017, 25, 31516.	3.4	32
10	Active Intermediates in Plasmon-Induced Water Oxidation at Au Nanodimer Structures on a Single Crystal of TiO_2. ACS Energy Letters, 2020, 5, 1252-1259.	17.4	28
11	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
12	Deep Learning for Improving the Robustness of Image Encryption. IEEE Access, 2019, 7, 181083-181091.	4.2	24
13	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
14	A 3D image encryption technique using computer-generated integral imaging and cellular automata transform. Optik, 2014, 125, 2983-2990.	2.9	20
15	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
16	Electrochemical Fine Tuning of the Plasmonic Properties of Au Lattice Structures. Journal of Physical Chemistry C, 2018, 122, 14162-14167.	3.1	17
17	Encrypting 2D/3D image using improved lensless integral imaging in Fresnel domain. Optics Communications, 2016, 381, 260-270.	2.1	16
18	Copyright protection for elemental image array by hypercomplex Fourier transform and an adaptive texturized holographic algorithm. Optics Express, 2017, 25, 17076.	3.4	15

#	Article	IF	Citations
19	Copyright Protection for Holographic Video Using Spatiotemporal Consistent Embedding Strategy. IEEE Transactions on Industrial Informatics, 2019, 15, 6187-6197.	11.3	15
20	Interfacial Structure-Modulated Plasmon-Induced Water Oxidation on Strontium Titanate. ACS Applied Energy Materials, 2020, 3, 5675-5683.	5.1	15
21	Plasmon-Accelerated Water Oxidation at Ni-Modified Au Nanodimers on TiO_2 Single Crystals. ACS Energy Letters, 2021, 6, 4374-4382.	17.4	14
22	Double color image encryption scheme based on off-axis holography and maximum length cellular automata. Optik, 2017, 145, 407-417.	2.9	11
23	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
24	Robustness enhancement for image hiding algorithm in cellular automata domain. Optics Communications, 2015, 356, 186-194.	2.1	10
25	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
26	Designing real-time 3D image security with CA-based random mode decomposition. Signal Processing, 2022, 197, 108554.	3.7	10
27	Plasmonic Fields Focused to Molecular Size. ChemNanoMat, 2017, 3, 843-856.	2.8	9
28	Plasmonically enhanced electromotive force of narrow bandgap PbS QD-based photovoltaics. Physical Chemistry Chemical Physics, 2018, 20, 14818-14827.	2.8	9
29	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
30	Phase-extraction algorithm for a single-shot spatial-carrier orthogonal fringe pattern with least squares method. Optical Engineering, 2020, 59, 1.	1.0	7
31	Ownership protection of holograms using quick-response encoded plenoptic watermark. Optics Express, 2018, 26, 30492.	3.4	7
32	Optical 3D object security and reconstruction using pixel-evaluated integral imaging algorithm. Optics Express, 2019, 27, 20720.	3.4	7
33	An Adaptive and Secure Holographic Image Watermarking Scheme. Entropy, 2019, 21, 460.	2.2	6
34	3D image hiding using deep demosaicking and computational integral imaging. Optics and Lasers in Engineering, 2022, 148, 106772.	3.8	6
35	Photoelectrochemical Formation of Polysulfide at PbS QD-Sensitized Plasmonic Electrodes. Journal of Physical Chemistry Letters, 2019, 10, 5357-5363.	4.6	5
36	Computer generated hologram-based image cryptosystem with multiple chaotic systems. Wireless Networks, 2021, 27, 3507-3521.	3.0	5

#	Article	IF	Citations
37	Cryptanalysis for a light-field 3D cryptosystem based on M-cGAN. Optics Letters, 2021, 46, 4916.	3.3	4
38	3D medical images security via light-field imaging. Optics Letters, 2022, 47, 3535.	3.3	4
39	Visual perception based robust watermarking with integral imaging. Optik, 2016, 127, 11828-11839.	2.9	3
40	Surface-Enhanced Raman Spectroscopy for the Characterization of Semiconductor Nanostructure Surfaces. ACS Symposium Series, 2016, , 163-180.	0.5	2
41	Comparison of Camera Calibration and Measurement Accuracy Techniques for Phase Measuring Deflectometry. Applied Sciences (Switzerland), 2021, 11, 10300.	2.5	1
42	Ownership protection for light-field 3D images: HDCT watermarking. Optics Express, 2021, 29, 43256.	3.4	1