Qiong-Hua Wang

List of Publications by Year
in descending order

79 papers	1,205 citations	394421 19 h-index	454955 30 g-index
80 all docs	80 docs citations	80 times ranked	598 citing authors

#	Article	IF	Citations
1	Speckle Noise Suppression Algorithm of Holographic Display Based on Spatial Light Modulator. Frontiers in Photonics, 2022, 2, .	2.4	8
2	Patterned optical anisotropic film for generation of non-diffracting vortex beams. Applied Physics Letters, 2022, 120, .	3.3	2
3	Non-aqueous organic solution based on a large-aperture spherical electrowetting liquid lens with a wide tunable focal length range. Journal of Materials Chemistry C, 2022, 10, 6778-6793.	5.5	13
4	Three-dimensional lattice deformation of blue phase liquid crystals under electrostriction. Soft Matter, 2022, 18, 3328-3334.	2.7	8
5	Bidirectional Phase Compensation for Curved Hologram Generation in Holographic Display. IEEE Photonics Technology Letters, 2022, 34, 579-582.	2.5	1
6	A realâ€time interactive rendering method for 360Â° tabletop integral imaging 3D display. Journal of the Society for Information Display, 2021, 29, 679-688.	2.1	3
7	Integral Imaging Based Optical Image Encryption Using CA-DNA Algorithm. IEEE Photonics Journal, 2021, 13, 1-12.	2.0	7
8	Continuous optical zoom microscopy imaging system based on liquid lenses. Optics Express, 2021, 29, 20322.	3.4	22
9	High stability liquid lens with optical path modulation function. Optics Express, 2021, 29, 27104.	3.4	10
10	Curved hologram generation method for speckle noise suppression based on the stochastic gradient descent algorithm. Optics Express, 2021, 29, 42650.	3.4	13
11	Holographic display technology based on liquid crystal device. Journal of the Society for Information Display, 2020, 28, 136-147.	2.1	7
12	Holographic Zoom System With Large Focal Depth Based on Adjustable Lens. IEEE Access, 2020, 8, 85784-85792.	4.2	2
13	Method of Speckle Noise Suppression for Holographic Zoom Display Based on Layered-Pixel-Scanning Algorithm. IEEE Access, 2020, 8, 102128-102137.	4.2	2
14	Holographic capture and projection system of real object based on tunable zoom lens. PhotoniX, 2020, 1, .	13.5	115
15	Dual-View Integral Imaging System With Wide Viewing Angle And High Spatial Resolution. IEEE Photonics Journal, 2020, 12, 1-11.	2.0	3
16	High-Resolution Hologram Calculation Method Based on Light Field Image Rendering. Applied Sciences (Switzerland), 2020, 10, 819.	2.5	7
17	Method of curved composite hologram generation with suppressed speckle noise. Optics Express, 2020, 28, 34378.	3.4	14
18	The synchronisation of two floating memristor-based oscillators and the circuit design. Pramana - Journal of Physics, 2019, 93, 1.	1.8	1

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19	Holographic Zoom System Having Controllable Light Intensity Without Undesirable Light Based on Multifunctional Liquid Device. IEEE Access, 2019, 7, 99900-99906.	4.2	6
20	Holographic Display System Based on Effective Area Expansion of SLM. IEEE Photonics Journal, 2019, 11, 1-12.	2.0	2
21	A Reflective Augmented Reality Integral Imaging 3D Display by Using a Mirror-Based Pinhole Array. Applied Sciences (Switzerland), 2019, 9, 3124.	2.5	6
22	Dual-View Integral Imaging 3D Display Based on Multiplexed Lens-Array Holographic Optical Element. Applied Sciences (Switzerland), 2019, 9, 3852.	2.5	9
23	An asymmetric multi-image cryptosystem based on cylindrical diffraction and phase truncation. Optics Communications, 2019, 449, 100-109.	2.1	8
24	Asymmetric Cryptosystem Using Improved Equal Modulus Decomposition in Cylindrical Diffraction Domain. IEEE Access, 2019, 7, 66234-66241.	4.2	10
25	Generation of Phase-Only Holograms Based on Aliasing Reuse and Application in Holographic See-Through Display System. IEEE Photonics Journal, 2019, 11, 1-11.	2.0	5
26	64â€²: Movable Electrowetting Optofluidic Lens for Imaging System. Digest of Technical Papers SID International Symposium, 2019, 50, 905-906.	0.3	2
27	Polarisation-independent blue-phase liquid crystal microlens array with different dielectric layer. Liquid Crystals, 2019, 46, 1273-1279.	2.2	14
28	Adjustable Optical Slit Based on the Phase Type Spatial Light Modulator. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	2
29	Application of ALD-Al2O3 in CdS/CdTe Thin-Film Solar Cells. Energies, 2019, 12, 1123.	3.1	7
30	High-Performance Dual-View 3-D Display System Based on Integral Imaging. IEEE Photonics Journal, 2019, 11, 1-12.	2.0	12
31	Study on the Stability of Unpackaged CdS/CdTe Solar Cells with Different Structures. International Journal of Photoenergy, 2019, 2019, 1-8.	2.5	1
32	Deep Learning for Improving the Robustness of Image Encryption. IEEE Access, 2019, 7, 181083-181091.	4.2	24
33	Low voltage blue-phase liquid crystal display with insulating protrusion sandwiched between dual-layer electrodes. Liquid Crystals, 2019, 46, 523-534.	2.2	7
34	Single electro-optic curve for RGB colours in blue-phase liquid crystal display. Liquid Crystals, 2019, 46, 835-845.	2.2	8
35	Holographic zoom micro-projection system based on three spatial light modulators. Optics Express, 2019, 27, 8048.	3.4	13
36	Holographic display method to suppress speckle noise based on effective utilization of two spatial light modulators. Optics Express, 2019, 27, 11617.	3.4	25

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37	Electrowetting-actuated multifunctional optofluidic lens to improve the quality of computer-generated holography. Optics Express, 2019, 27, 12963.	3.4	21
38	Variable aperture with graded attenuation combined with adjustable focal length lens. Optics Express, 2019, 27, 14075.	3.4	15
39	Full color holographic display system based on intensity matching of reconstructed image. Optics Express, 2019, 27, 16599.	3.4	9
40	Blue-phase liquid crystal display with insulating protrusion. Liquid Crystals, 2018, 45, 1585-1593.	2.2	9
41	Error-free holographic frames encryption with CA pixel-permutation encoding algorithm. Optics and Lasers in Engineering, 2018, 100, 200-207.	3.8	50
42	Phase-retrieval attack free cryptosystem based on cylindrical asymmetric diffraction and double-random phase encoding. Optics Communications, 2018, 410, 468-474.	2.1	14
43	Asymmetric Color Image Cryptosystem Using Detour Cylindrical-Diffraction and Phase Reservation & Truncation. IEEE Access, 2018, 6, 53976-53983.	4.2	7
44	An Image Encryption Scheme of Logistic Modulation Using Computer-Generated Hologram and Chaotic Map. Journal of Electrical and Computer Engineering, 2018, 2018, 1-6.	0.9	3
45	Two-Step Integral Imaging Coding Based Three-Dimensional Information Encryption Approach. Security and Communication Networks, 2018, 2018, 1-9.	1.5	0
46	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
47	Designing optical 3D images encryption and reconstruction using monospectral synthetic aperture integral imaging. Optics Express, 2018, 26, 11084.	3.4	33
48	Dual-view integral imaging three-dimensional display using polarized glasses. Applied Optics, 2018, 57, 1447.	1.8	25
49	$1imes2$ Optofluidic Switch for Optical Beam Routing and Variable Power Distribution. IEEE Photonics Technology Letters, 2018, 30, 1629-1632.	2.5	3
50	Autostereoscopic three-dimensional display with high resolution and low cross talk using a time-multiplexed method. Optical Engineering, 2018, 57, 1.	1.0	3
51	Designing Three-Dimensional Cellular Automata Based Video Authentication With an Optical Integral Imaging Generated Memory-Distributed Watermark. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 1200-1212.	10.8	11
52	Fast diffraction calculation of cylindrical computer generated hologram based on outside-in propagation model. Optics Communications, 2017, 403, 296-303.	2.1	19
53	Electrically optofluidic zoom system with a large zoom range and high-resolution image. Optics Express, 2017, 25, 22280.	3.4	19
54	Optical encryption via monospectral integral imaging. Optics Express, 2017, 25, 31516.	3.4	32

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55	19-1: Planar Parallax Based Camera Array Calibration Method for Integral Imaging Three-dimensional Information Acquirement. Digest of Technical Papers SID International Symposium, 2016, 47, 219-222.	0.3	6
56	A holographic zoom system without undesirable light. Optik, 2016, 127, 7782-7787.	2.9	6
57	Adjustable liquid aperture to eliminate undesirable light in holographic projection. Optics Express, 2016, 24, 2098.	3.4	30
58	Dual-view integral imaging 3D display by using orthogonal polarizer array and polarization switcher. Optics Express, 2016, 24, 9.	3.4	91
59	Errorâ€Resilient Multiâ€view Video Coding Based on Endâ€toâ€End Rateâ€Distortion Optimization. Chinese Journal of Electronics, 2016, 25, 277-283.	1.5	4
60	Encrypting three-dimensional information system based on integral imaging and multiple chaotic maps. Optical Engineering, 2016, 55, 023107.	1.0	15
61	Polymer Network Liquid Crystal (PNLC) Lenticular Microlens Array With No Surface Treatment. Journal of Display Technology, 2016, 12, 773-778.	1.2	10
62	Active integral imaging system based on multiple structured light method. Optics Express, 2015, 23, 27094.	3.4	10
63	Annular folded electrowetting liquid lens. Optics Letters, 2015, 40, 1968.	3.3	36
64	Dual-view integral imaging 3D display using polarizer parallax barriers. Applied Optics, 2014, 53, 2037.	1.8	27
65	SSIM-based Error Resilient Video Coding Over Packet-Switched Networks. Journal of Signal Processing Systems, 2014, 74, 103-113.	2.1	7
66	Large Margin Dimensionality Reduction for Action Similarity Labeling. IEEE Signal Processing Letters, 2014, 21, 1022-1025.	3.6	17
67	A fast method of calculating diffraction patterns on inside cylindrical surface. , 2014, , .		0
68	Adjustable Optical Slit Based on Electrowetting. IEEE Photonics Technology Letters, 2013, 25, 2423-2426.	2.5	8
69	Time-Multiplexed Dual-View Display Using a Blue Phase Liquid Crystal. Journal of Display Technology, 2013, 9, 87-90.	1.2	30
70	A transflective and viewing angle controllable blue-phase liquid crystal display. Liquid Crystals, 2013, 40, 1024-1027.	2.2	17
71	Dual-view integral imaging three-dimensional display. Applied Optics, 2013, 52, 4911.	1.8	58
72	High transmittance blue-phase liquid crystal displays with slit-shaped electrode. Liquid Crystals, 2013, 40, 1417-1421.	2.2	15

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73	A microlens array based on polymer network liquid crystal. Journal of Applied Physics, 2013, 113, 053105.	2.5	18
74	10.1063/1.4790303.1. , 2013, , .		0
75	Optical switch based on tunable aperture. Optics Letters, 2012, 37, 3306.	3.3	55
76	Autostereoscopic three-dimensional display based on two parallax barriers. Applied Optics, 2011, 50, 2911.	2.1	21
77	An integralâ€imaging threeâ€dimensional display with wide viewing angle. Journal of the Society for Information Display, 2011, 19, 679-684.	2.1	40
78	Adaptive disparity and motion estimation for Multiview Video Coding. , 2011, , .		1
79	A Novel Chaotic Slow FH System Based on Differential Space-Time Modulation. , 2008, , .		1