Qiong-Hua Wang

List of Publications by Year
in descending order

79 papers	1,205 citations	394421 19 h-index
80 all docs	80 docs citations	80 times ranked

454955 30 g-index
598 citing authors

#	Article	IF	Citations
1	Holographic capture and projection system of real object based on tunable zoom lens. PhotoniX, 2020, 1, .	13.5	115
2	Dual-view integral imaging 3D display by using orthogonal polarizer array and polarization switcher. Optics Express, 2016, 24, 9.	3.4	91
3	Dual-view integral imaging three-dimensional display. Applied Optics, 2013, 52, 4911.	1.8	58
4	Optical switch based on tunable aperture. Optics Letters, 2012, 37, 3306.	3.3	55
5	Error-free holographic frames encryption with CA pixel-permutation encoding algorithm. Optics and Lasers in Engineering, 2018, 100, 200-207.	3.8	50
6	An integral‐imaging three‐dimensional display with wide viewing angle. Journal of the Society for Information Display, 2011, 19, 679-684.	2.1	40
7	Annular folded electrowetting liquid lens. Optics Letters, 2015, 40, 1968.	3.3	36
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	Time-Multiplexed Dual-View Display Using a Blue Phase Liquid Crystal. Journal of Display Technology, 2013, 9, 87-90.	1.2	30
11	Adjustable liquid aperture to eliminate undesirable light in holographic projection. Optics Express, 2016, 24, 2098.	3.4	30
12	Dual-view integral imaging 3D display using polarizer parallax barriers. Applied Optics, 2014, 53, 2037.	1.8	27
13	Dual-view integral imaging three-dimensional display using polarized glasses. Applied Optics, 2018, 57, 1447.	1.8	25
14	Holographic display method to suppress speckle noise based on effective utilization of two spatial light modulators. Optics Express, 2019, 27, 11617.	3.4	25
15	Deep Learning for Improving the Robustness of Image Encryption. IEEE Access, 2019, 7, 181083-181091.	4.2	24
16	Continuous optical zoom microscopy imaging system based on liquid lenses. Optics Express, 2021, 29, 20322.	3.4	22
17	Autostereoscopic three-dimensional display based on two parallax barriers. Applied Optics, 2011, 50, 2911.	2.1	21
18	Electrowetting-actuated multifunctional optofluidic lens to improve the quality of computer-generated holography. Optics Express, 2019, 27, 12963.	3.4	21

#	ARTICLE	IF	CITATIONS
19	Fast diffraction calculation of cylindrical computer generated hologram based on outside-in propagation model. Optics Communications, 2017, 403, 296-303.	2.1	19
20	Electrically optofluidic zoom system with a large zoom range and high-resolution image. Optics Express, 2017, 25, 22280.	3.4	19
21	A microlens array based on polymer network liquid crystal. Journal of Applied Physics, 2013, 113, 053105.	2.5	18
22	A transflective and viewing angle controllable blue-phase liquid crystal display. Liquid Crystals, 2013, 40, 1024-1027.	2.2	17
23	Large Margin Dimensionality Reduction for Action Similarity Labeling. IEEE Signal Processing Letters, 2014, 21, 1022-1025.	3.6	17
24	High transmittance blue-phase liquid crystal displays with slit-shaped electrode. Liquid Crystals, 2013, 40, 1417-1421.	2.2	15
25	Encrypting three-dimensional information system based on integral imaging and multiple chaotic maps. Optical Engineering, 2016, 55, 023107.	1.0	15
26	Variable aperture with graded attenuation combined with adjustable focal length lens. Optics Express, 2019, 27, 14075.	3.4	15
27	Phase-retrieval attack free cryptosystem based on cylindrical asymmetric diffraction and double-random phase encoding. Optics Communications, 2018, 410, 468-474.	2.1	14
28	Polarisation-independent blue-phase liquid crystal microlens array with different dielectric layer. Liquid Crystals, 2019, 46, 1273-1279.	2.2	14
29	Method of curved composite hologram generation with suppressed speckle noise. Optics Express, 2020, 28, 34378.	3.4	14
30	Holographic zoom micro-projection system based on three spatial light modulators. Optics Express, 2019, 27, 8048.	3.4	13
31	Curved hologram generation method for speckle noise suppression based on the stochastic gradient descent algorithm. Optics Express, 2021, 29, 42650.	3.4	13
32	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
33	High-Performance Dual-View 3-D Display System Based on Integral Imaging. IEEE Photonics Journal, 2019, 11, 1-12.	2.0	12
34	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
35	Active integral imaging system based on multiple structured light method. Optics Express, 2015, 23, 27094.	3.4	10
36	Polymer Network Liquid Crystal (PNLC) Lenticular Microlens Array With No Surface Treatment. Journal of Display Technology, 2016, 12, 773-778.	1.2	10

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37	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
38	Asymmetric Cryptosystem Using Improved Equal Modulus Decomposition in Cylindrical Diffraction Domain. IEEE Access, 2019, 7, 66234-66241.	4.2	10
39	High stability liquid lens with optical path modulation function. Optics Express, 2021, 29, 27104.	3.4	10
40	Blue-phase liquid crystal display with insulating protrusion. Liquid Crystals, 2018, 45, 1585-1593.	2.2	9
41	Dual-View Integral Imaging 3D Display Based on Multiplexed Lens-Array Holographic Optical Element. Applied Sciences (Switzerland), 2019, 9, 3852.	2.5	9
42	Full color holographic display system based on intensity matching of reconstructed image. Optics Express, 2019, 27, 16599.	3.4	9
43	Adjustable Optical Slit Based on Electrowetting. IEEE Photonics Technology Letters, 2013, 25, 2423-2426.	2.5	8
44	An asymmetric multi-image cryptosystem based on cylindrical diffraction and phase truncation. Optics Communications, 2019, 449, 100-109.	2.1	8
45	Single electro-optic curve for RGB colours in blue-phase liquid crystal display. Liquid Crystals, 2019, 46, 835-845.	2.2	8
46	Speckle Noise Suppression Algorithm of Holographic Display Based on Spatial Light Modulator. Frontiers in Photonics, 2022, 2, .	2.4	8
47	Three-dimensional lattice deformation of blue phase liquid crystals under electrostriction. Soft Matter, 2022, 18, 3328-3334.	2.7	8
48	SSIM-based Error Resilient Video Coding Over Packet-Switched Networks. Journal of Signal Processing Systems, 2014, 74, 103-113.	2.1	7
49	Asymmetric Color Image Cryptosystem Using Detour Cylindrical-Diffraction and Phase Reservation & Truncation. IEEE Access, 2018, 6, 53976-53983.	4.2	7
50	Application of ALD-Al2O3 in CdS/CdTe Thin-Film Solar Cells. Energies, 2019, 12, 1123.	3.1	7
51	Low voltage blue-phase liquid crystal display with insulating protrusion sandwiched between dual-layer electrodes. Liquid Crystals, 2019, 46, 523-534.	2.2	7
52	Holographic display technology based on liquid crystal device. Journal of the Society for Information Display, 2020, 28, 136-147.	2.1	7
53	High-Resolution Hologram Calculation Method Based on Light Field Image Rendering. Applied Sciences (Switzerland), 2020, 10, 819.	2.5	7
54	Integral Imaging Based Optical Image Encryption Using CA-DNA Algorithm. IEEE Photonics Journal, 2021, 13, 1-12.	2.0	7

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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	Holographic Zoom System Having Controllable Light Intensity Without Undesirable Light Based on Multifunctional Liquid Device. IEEE Access, 2019, 7, 99900-99906.	4.2	6
58	A Reflective Augmented Reality Integral Imaging 3D Display by Using a Mirror-Based Pinhole Array. Applied Sciences (Switzerland), 2019, 9, 3124.	2.5	6
59	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
60	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
61	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
62	$1imes2$ Optofluidic Switch for Optical Beam Routing and Variable Power Distribution. IEEE Photonics Technology Letters, 2018, 30, 1629-1632.	2.5	3
63	Dual-View Integral Imaging System With Wide Viewing Angle And High Spatial Resolution. IEEE Photonics Journal, 2020, 12, 1-11.	2.0	3
64	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
65	Autostereoscopic three-dimensional display with high resolution and low cross talk using a time-multiplexed method. Optical Engineering, 2018, 57, 1.	1.0	3
66	Holographic Display System Based on Effective Area Expansion of SLM. IEEE Photonics Journal, 2019, 11, 1-12.	2.0	2
67	64â€2: Movable Electrowetting Optofluidic Lens for Imaging System. Digest of Technical Papers SID International Symposium, 2019, 50, 905-906.	0.3	2
68	Adjustable Optical Slit Based on the Phase Type Spatial Light Modulator. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	2
69	Holographic Zoom System With Large Focal Depth Based on Adjustable Lens. IEEE Access, 2020, 8, 85784-85792.	4.2	2
70	Method of Speckle Noise Suppression for Holographic Zoom Display Based on Layered-Pixel-Scanning Algorithm. IEEE Access, 2020, 8, 102128-102137.	4.2	2
71	Patterned optical anisotropic film for generation of non-diffracting vortex beams. Applied Physics Letters, 2022, 120, .	3.3	2
72	A Novel Chaotic Slow FH System Based on Differential Space-Time Modulation. , 2008, , .		1

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73	Adaptive disparity and motion estimation for Multiview Video Coding. , 2011, , .		1
74	The synchronisation of two floating memristor-based oscillators and the circuit design. Pramana - Journal of Physics, 2019, 93, 1.	1.8	1
75	Study on the Stability of Unpackaged CdS/CdTe Solar Cells with Different Structures. International Journal of Photoenergy, 2019, 2019, 1-8.	2.5	1
76	Bidirectional Phase Compensation for Curved Hologram Generation in Holographic Display. IEEE Photonics Technology Letters, 2022, 34, 579-582.	2.5	1
77	Two-Step Integral Imaging Coding Based Three-Dimensional Information Encryption Approach. Security and Communication Networks, 2018, 2018, 1-9.	1.5	0
78	10.1063/1.4790303.1. , 2013, , .		0
79	A fast method of calculating diffraction patterns on inside cylindrical surface. , 2014, , .		0