

Wenbin Huang

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

637
citations

516561

16
h-index

610775

24
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all docs

40
docs citations

40
times ranked

589
citing authors

#	ARTICLE	IF	CITATIONS
1	High-throughput and controllable manufacturing of liquid crystal polymer planar microlens array for compact fingerprint imaging. <i>Optics Express</i> , 2022, 30, 3101.	1.7	8
2	Self-supporting, ultra-thin and highly transparent conducting nickel grids for extremely flexible and stretchable electrochromic devices. <i>Optics Express</i> , 2021, 29, 25254.	1.7	1
3	High-performance embedded nickel grid electrodes for fast-response and bendable all-solid PEDOT:PSS electrochromic devices. <i>Organic Electronics</i> , 2020, 77, 105506.	1.4	17
4	Reversible Onâ€œOff of Chirality and Anisotropy in Patterned Coexistence of Achiralâ€œAnisotropic and Chiralâ€œIsotropic Soft Materials. <i>Advanced Optical Materials</i> , 2020, 8, 2000155.	3.6	16
5	A mechanically bendable and conformally attachable polymer membrane microlaser array enabled by digital interference lithography. <i>Nanoscale</i> , 2020, 12, 6736-6743.	2.8	1
6	Flexible and transparent planar supercapacitor based on embedded metallic mesh current collector. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 165501.	1.3	10
7	Embedded flexible and transparent double-layer nickel-mesh for high shielding efficiency. <i>Optics Express</i> , 2020, 28, 26531.	1.7	18
8	Large-area, low-cost near-infrared meta-surface reflector based on a pixelated two-dimensional silicon disk array. <i>Optics Express</i> , 2020, 28, 38355.	1.7	5
9	Low-threshold triple-wavelength lasing from a subwavelength triangle microcavity polymer laser fabricated by imaging holography. <i>Organic Electronics</i> , 2019, 75, 105319.	1.4	2
10	Stimulated transformation of soft helix among helicoidal, heliconical, and their inverse helices. <i>Science Advances</i> , 2019, 5, eaax9501.	4.7	68
11	Stable soft cubic superstructure enabled by hydrogen-bond complex functionalized polymer/liquid crystal system. <i>Journal of Materials Chemistry C</i> , 2019, 7, 3952-3957.	2.7	5
12	Compact compound-eye imaging module based on the phase diffractive microlens array for biometric fingerprint capturing. <i>Optics Express</i> , 2019, 27, 7513.	1.7	17
13	Low-threshold organic lasing from a square optical microcavity fabricated by imaging holography. <i>Optics Express</i> , 2019, 27, 10022.	1.7	6
14	Microfluidic channels incorporating organic distributed Bragg reflector lasers for <i>in situ</i> sensing applications. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2565-2572.	2.7	5
15	Stretchable phase-mode Fresnel zone plates for focus tuning. , 2018, , .		0
16	A review of the scalable nano-manufacturing technology for flexible devices. <i>Frontiers of Mechanical Engineering</i> , 2017, 12, 99-109.	2.5	18
17	Dynamically manipulated lasing enabled by a reconfigured fingerprint texture of a cholesteric self-organized superstructure. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6923-6928.	2.7	20
18	Multiview holographic 3D dynamic display by combining a nano-grating patterned phase plate and LCD. <i>Optics Express</i> , 2017, 25, 1114.	1.7	46

#	ARTICLE	IF	CITATIONS
19	Low-threshold, single-mode, and linearly polarized lasing from all organic quasicrystal microcavity. Optics Express, 2017, 25, 21519.	1.7	7
20	High-performance transparent film heater with an embedded Ni metal-mesh based on selected metal electrodeposition process. , 2016, , .		0
21	Angular sensitivity for a Fabry-Perot structure incorporating different dielectric materials. Proceedings of SPIE, 2016, , .	0.8	0
22	A high-order external distributed feedback polymer laser with low working threshold. Journal Physics D: Applied Physics, 2016, 49, 175106.	1.3	3
23	Nearly diffraction-limited conjugated polymer microlasers utilizing two-dimensional distributed Bragg resonators. Organic Electronics, 2016, 38, 238-244.	1.4	5
24	Efficient fabrication method of nano-grating for 3D holographic display with full parallax views. Optics Express, 2016, 24, 6203.	1.7	42
25	Tunable multi-wavelength polymer laser based on a triangular-lattice photonic crystal structure. Journal Physics D: Applied Physics, 2016, 49, 335103.	1.3	8
26	A printable color filter based on the micro-cavity incorporating a nano-grating. , 2016, , .		0
27	Toward Scalable Flexible Nanomanufacturing for Photonic Structures and Devices. Advanced Materials, 2016, 28, 10353-10380.	11.1	76
28	Effects of monomer functionality on performances of scaffolding morphologic transmission gratings recorded in polymer dispersed liquid crystals. Journal Physics D: Applied Physics, 2015, 48, 375303.	1.3	6
29	Working characteristics of external distributed feedback polymer lasers with varying waveguiding structures. Journal Physics D: Applied Physics, 2015, 48, 495105.	1.3	14
30	High performance organic distributed Bragg reflector lasers fabricated by dot matrix holography. Optics Express, 2015, 23, 31926.	1.7	16
31	Low threshold of distributed feedback lasers based on scaffolding morphologic holographic polymer dispersed liquid crystal gratings: reduced losses through Forster transfer. Liquid Crystals, 2014, 41, 145-152.	0.9	14
32	Anisotropic waveguide theory for electrically tunable distributed feedback laser from dye-doped holographic polymer dispersed liquid crystal. Liquid Crystals, 2014, 41, 239-246.	0.9	17
33	Efficient laser emission from organic semiconductor activated holographic polymer dispersed liquid crystal transmission gratings. RSC Advances, 2014, 4, 38606.	1.7	18
34	Single-mode lasing from dye-doped holographic polymer-dispersed liquid crystal transmission gratings. Applied Physics B: Lasers and Optics, 2014, 117, 1065-1071.	1.1	5
35	Second-order distributed feedback polymer laser based on holographic polymer dispersed liquid crystal grating. Organic Electronics, 2013, 14, 2299-2305.	1.4	23
36	Electrically Tunable Distributed Feedback Laser Emission from Scaffolding Morphologic Holographic Polymer Dispersed Liquid Crystal Grating. Applied Physics Express, 2013, 6, 022702.	1.1	19

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37	Theory and characteristics of holographic polymer dispersed liquid crystal transmission grating with scaffolding morphology. <i>Applied Optics</i> , 2012, 51, 4013.	0.9	31
38	Distributed feedback polymer laser with an external feedback structure fabricated by holographic polymerization technique. <i>Organic Electronics</i> , 2012, 13, 2307-2311.	1.4	36
39	Organic dual-wavelength distributed feedback laser empowered by dye-doped holography. <i>Journal of Materials Chemistry</i> , 2012, 22, 23331.	6.7	28
40	A polarization-independent and low scattering transmission grating for a distributed feedback cavity based on holographic polymer dispersed liquid crystal. <i>Journal of Optics (United Kingdom)</i> , 2011, 13, 085501.	1.0	6