

# Wenbin Huang

## List of Publications by Year in descending order

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40  
papers

637  
citations

516561

16  
h-index

610775

24  
g-index

40  
all docs

40  
docs citations

40  
times ranked

589  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward Scalable Flexible Nanomanufacturing for Photonic Structures and Devices. <i>Advanced Materials</i> , 2016, 28, 10353-10380.	11.1	76
2	Stimulated transformation of soft helix among helicoidal, heliconical, and their inverse helices. <i>Science Advances</i> , 2019, 5, eaax9501.	4.7	68
3	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
4	Efficient fabrication method of nano-grating for 3D holographic display with full parallax views. <i>Optics Express</i> , 2016, 24, 6203.	1.7	42
5	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
6	Theory and characteristics of holographic polymer dispersed liquid crystal transmission grating with scaffolding morphology. <i>Applied Optics</i> , 2012, 51, 4013.	0.9	31
7	Organic dual-wavelength distributed feedback laser empowered by dye-doped holography. <i>Journal of Materials Chemistry</i> , 2012, 22, 23331.	6.7	28
8	Second-order distributed feedback polymer laser based on holographic polymer dispersed liquid crystal grating. <i>Organic Electronics</i> , 2013, 14, 2299-2305.	1.4	23
9	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
10	Electrically Tunable Distributed Feedback Laser Emission from Scaffolding Morphologic Holographic Polymer Dispersed Liquid Crystal Grating. <i>Applied Physics Express</i> , 2013, 6, 022702.	1.1	19
11	Efficient laser emission from organic semiconductor activated holographic polymer dispersed liquid crystal transmission gratings. <i>RSC Advances</i> , 2014, 4, 38606.	1.7	18
12	A review of the scalable nano-manufacturing technology for flexible devices. <i>Frontiers of Mechanical Engineering</i> , 2017, 12, 99-109.	2.5	18
13	Embedded flexible and transparent double-layer nickel-mesh for high shielding efficiency. <i>Optics Express</i> , 2020, 28, 26531.	1.7	18
14	Anisotropic waveguide theory for electrically tunable distributed feedback laser from dye-doped holographic polymer dispersed liquid crystal. <i>Liquid Crystals</i> , 2014, 41, 239-246.	0.9	17
15	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
16	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
17	High performance organic distributed Bragg reflector lasers fabricated by dot matrix holography. <i>Optics Express</i> , 2015, 23, 31926.	1.7	16
18	Reversible On-Off of Chirality and Anisotropy in Patterned Coexistence of Achiral-Anisotropic and Chiral-Isotropic Soft Materials. <i>Advanced Optical Materials</i> , 2020, 8, 2000155.	3.6	16

#	ARTICLE	IF	CITATIONS
19	Low threshold of distributed feedback lasers based on scaffolding morphologic holographic polymer dispersed liquid crystal gratings: reduced losses through Forster transfer. <i>Liquid Crystals</i> , 2014, 41, 145-152.	0.9	14
20	Working characteristics of external distributed feedback polymer lasers with varying waveguiding structures. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 495105.	1.3	14
21	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
22	Tunable multi-wavelength polymer laser based on a triangular-lattice photonic crystal structure. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 335103.	1.3	8
23	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
24	Low-threshold, single-mode, and linearly polarized lasing from all organic quasicrystal microcavity. <i>Optics Express</i> , 2017, 25, 21519.	1.7	7
25	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
26	Effects of monomer functionality on performances of scaffolding morphologic transmission gratings recorded in polymer dispersed liquid crystals. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 375303.	1.3	6
27	Low-threshold organic lasing from a square optical microcavity fabricated by imaging holography. <i>Optics Express</i> , 2019, 27, 10022.	1.7	6
28	Single-mode lasing from dye-doped holographic polymer-dispersed liquid crystal transmission gratings. <i>Applied Physics B: Lasers and Optics</i> , 2014, 117, 1065-1071.	1.1	5
29	Nearly diffraction-limited conjugated polymer microlasers utilizing two-dimensional distributed Bragg resonators. <i>Organic Electronics</i> , 2016, 38, 238-244.	1.4	5
30	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
31	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
32	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
33	A high-order external distributed feedback polymer laser with low working threshold. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 175106.	1.3	3
34	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	High-performance transparent film heater with an embedded Ni metal-mesh based on selected metal electrodeposition process. , 2016, , .		0
38	Angular sensitivity for a Fabry-Perot structure incorporating different dielectric materials. Proceedings of SPIE, 2016, , .	0.8	0
39	A printable color filter based on the micro-cavity incorporating a nano-grating. , 2016, , .		0
40	Stretchable phase-mode Fresnel zone plates for focus tuning. , 2018, , .		0