

Jin Hou

List of Publications by Year in descending order

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50
papers

604
citations

687363

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642732

23
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51
all docs

51
docs citations

51
times ranked

583
citing authors

#	ARTICLE	IF	CITATIONS
1	Universal multimode waveguide crossing based on transformation optics. <i>Optica</i> , 2018, 5, 1549.	9.3	87
2	Flat Band Slow Light in Symmetric Line Defect Photonic Crystal Waveguides. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 1571-1573.	2.5	64
3	Polarization insensitive self-collimation waveguide in square lattice annular photonic crystals. <i>Optics Communications</i> , 2009, 282, 3172-3176.	2.1	43
4	Novel Kind of Semislow Light Photonic Crystal Waveguides With Large Delay-Bandwidth Product. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 844-846.	2.5	38
5	Wideband slow light in chirped slot photonic-crystal coupled waveguides. <i>Optics Express</i> , 2010, 18, 10567.	3.4	34
6	Compact and broadband multimode waveguide bend by shape-optimizing with transformation optics. <i>Photonics Research</i> , 2020, 8, 1843.	7.0	27
7	Turbulence heterodyne coherent mitigation of orbital angular momentum multiplexing in a free space optical link by auxiliary light. <i>Optics Express</i> , 2017, 25, 25612.	3.4	23
8	Controlled giant magnetoresistance and spin-valley transport in an asymmetrical MoS2 tunnel junction. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	19
9	A high performance polarization independent reflector based on a multilayered configuration grating structure. <i>Journal of Optics (United Kingdom)</i> , 2010, 12, 045703.	2.2	18
10	Flat Band Slow Light With High Coupling Efficiency in One-Dimensional Grating Waveguides. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 7-9.	2.5	17
11	Slow Light in Square-Lattice Chalcogenide Photonic Crystal Holey Fibers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 271-278.	2.9	17
12	Engineering ultra-flattened-dispersion photonic crystal fibers with uniform holes by rotations of inner rings. <i>Photonics Research</i> , 2014, 2, 59.	7.0	15
13	Polarizing beam splitter based on a subwavelength asymmetric profile grating. <i>Journal of Optics (United Kingdom)</i> , 2010, 12, 015703.	2.2	14
14	Wideband Slow Light in One-Dimensional Chirped Holey Grating Waveguide. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 1135-1137.	2.5	14
15	Low Dispersion Slow Light in Slot Waveguide Grating. <i>IEEE Photonics Technology Letters</i> , 2011, 23, 1700-1702.	2.5	13
16	Beam-holding property analysis of the perfect optical vortex beam transmitting in atmospheric turbulence. <i>Optics Communications</i> , 2020, 472, 125879.	2.1	13
17	Silicon nanophotonic devices based on resonance enhancement. <i>Journal of Nanophotonics</i> , 2010, 4, 041001.	1.0	12
18	Slab-Thickness Dependence of Photonic Bandgap in Photonic-Crystal Slabs. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 1636-1642.	2.9	11

#	ARTICLE	IF	CITATIONS
19	Biomimetic spiral grating for stable and highly efficient absorption in crystalline silicon thin-film solar cells. <i>Optics Express</i> , 2017, 25, A922.	3.4	11
20	A broadband reflector using a multilayered grating structure with multi-subpart profile. <i>Applied Physics B: Lasers and Optics</i> , 2010, 99, 519-524.	2.2	10
21	Compact high extinction ratio asymmetric polarization beam splitter of periodic rods waveguide. <i>Applied Optics</i> , 2015, 54, 10277.	2.1	10
22	Deterministic design of focusing apodized subwavelength grating coupler based on weak form and transformation optics. <i>Optics Express</i> , 2020, 28, 35395.	3.4	10
23	A Multilayer-Based High-Performance Multisubpart Profile Grating Reflector. <i>IEEE Photonics Technology Letters</i> , 2010, 22, 203-205.	2.5	9
24	Enhanced bandgap in annular photonic-crystal silicon-on-insulator asymmetric slabs. <i>Optics Letters</i> , 2011, 36, 2263.	3.3	9
25	Enhanced complete photonic bandgap in a moderate refractive index contrast chalcogenide-air system with connected-annular-rods photonic crystals. <i>Photonics Research</i> , 2018, 6, 282.	7.0	8
26	Orbital angular momentum sidebands of Laguerre-Gauss beams reflecting on graphene metasurfaces. <i>Optical Materials Express</i> , 2022, 12, 503.	3.0	8
27	Numerical study of enhanced performance in ZnO-based ultraviolet light-emitting diodes with step graded-composition MgZnO multiple quantum barriers. <i>Superlattices and Microstructures</i> , 2017, 109, 821-828.	3.1	6
28	Photonic spin Hall effect of graphene hyperbolic metasurfaces in the terahertz region. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 435104.	2.8	6
29	(Mg)ZnO Photoconductive Detector Development for Direct-Conversion Hard X-Ray Detection. <i>IEEE Photonics Technology Letters</i> , 2022, 34, 211-214.	2.5	5
30	Preparation, structure and optical properties of transparent conducting gallium-doped zinc oxide thin films. <i>Materials Science-Poland</i> , 2015, 33, 470-481.	1.0	4
31	Complete photonic bandgap in silicon nitride slab assisted by effective index difference between polarizations. <i>Frontiers of Optoelectronics</i> , 2022, 15, 1.	3.7	4
32	Compact and broadband waveguide taper based on partial bandgap photonic crystals. <i>Chinese Optics Letters</i> , 2009, 7, 309-311.	2.9	3
33	Strain-modulation of spin-dependent transport in graphene. <i>Applied Physics Letters</i> , 2014, 105, 172407.	3.3	3
34	CNN-Based Phase Matching for the OAM Mode Selection in Turbulence Heterodyne Coherent Mitigation Links. <i>IEEE Photonics Journal</i> , 2020, 12, 1-13.	2.0	3
35	Large mode area and nearly zero flattened dispersion photonic crystal fiber by diminishing the pitch of the innermost air-holes-ring. <i>Chinese Optics Letters</i> , 2014, 12, S10607-310609.	2.9	3
36	A Multilayered Configuration Broadband Polarization Insensitive Reflector Utilizing a Multi-Subpart Profile Grating Structure. <i>Chinese Physics Letters</i> , 2010, 27, 074216.	3.3	2

#	ARTICLE	IF	CITATIONS
37	A multilayer-based wideband reflector utilizing a multi-subpart profile grating structure. Journal of Optics (United Kingdom), 2010, 12, 065704.	2.2	2
38	High extraction efficiency in GaN-based light-emitting diodes with air-hole photonic crystal slab. Modern Physics Letters B, 2014, 28, 1450173.	1.9	2
39	Performance Enhancement of Opened Resonance Photoacoustic Cells Based on Three Dimensional Topology Optimization. Photonics, 2021, 8, 380.	2.0	2
40	Performance Analysis of a MIMO Indoor Infrared Communication System under Ambient Light Noise. , 2012, , .		1
41	Fabrication and characterization of transparent conducting titanium-zinc oxide nanostructured thin films. Optoelectronics Letters, 2016, 12, 128-131.	0.8	1
42	Compressed sensing reconstruction of sparse spectrum based on digital micro-mirror device platform. Optoelectronics Letters, 2018, 14, 6-11.	0.8	1
43	Complete two-dimensional photonic bandgap in refractive-index ratio 21 photonic crystals due to high-order bands. Optics Letters, 2021, 46, 5558-5561.	3.3	1
44	Efficient and stable thin-film crystalline silicon solar cell by introducing rotation factor in surface square pillar array grating. Journal of Nanophotonics, 2020, 14, 1.	1.0	1
45	Ultra broadband SOI binary blazed grating mirror. , 2008, , .		0
46	Wideband slow light in one-dimensional grating waveguide. Proceedings of SPIE, 2011, , .	0.8	0
47	Wideband slow light in one-dimensional grating waveguide. , 2011, , .		0
48	Wideband slow light in one-dimensional chirped silicon grating waveguide with round-corners. , 2013, , .		0
49	Universal multimode waveguide crossing based on transformation optics: publisher's note. Optica, 2019, 6, 125.	9.3	0
50	Compact and high Q multimode racetrack ringresonator based on transformation optics. Optics Express, 2022, 30, 15766-15776.	3.4	0