Hiroshi Ohno

List of Publications by Year
in descending order

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40	678	687363	552781
papers	citations	13 h-index	26 g-index

41	41	41	503
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improved power and far-field pattern of surface-emitting quantum cascade lasers with strain compensation to operate at 4.3 Î¼m. Japanese Journal of Applied Physics, 2022, 61, 052001.	1.5	2
2	Beam shaping surface photonic structure for surface-emitting quantum cascade laser. , 2022, , .		0
3	One-shot three-dimensional measurement method with the color mapping of light direction. OSA Continuum, 2021, 4, 840.	1.8	12
4	Multi-distance surface-emitting beam profile calculation method based on the FDTD method and the diffraction theory. Optics Express, 2021, 29, 9396.	3.4	1
5	Differential-geometry-based surface normal vector calculation method using a time-of-flight camera. Applied Optics, 2021, 60, 5906.	1.8	1
6	Multi-parabolic illuminator to combine perpendicular collimated illuminations with an LED source. OSA Continuum, 2021, 4, 2154.	1.8	2
7	Points-connecting neural network ray tracing. Optics Letters, 2021, 46, 4116.	3.3	13
8	One-shot BRDF imaging system to obtain surface properties. Optical Review, 2021, 28, 655-661.	2.0	11
9	Neural network gradient-index mapping. OSA Continuum, 2021, 4, 2543.	1.8	11
10	Ghost secondary light source for LED collimated illumination. Applied Optics, 2020, 59, 10339.	1.8	6
11	Symplectic ray tracing based on Hamiltonian optics in gradient-index media. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2020, 37, 411.	1.5	23
12	One-shot color mapping imaging system of light direction extracted from a surface BRDF. OSA Continuum, 2020, 3, 3343.	1.8	13
13	Reconstruction method of gradient-index field with background-oriented schlieren. , 2020, , .		0
14	Measurement method for axisymmetric 3D stress-tensor fields using background-oriented schlieren. Mechanical Engineering Journal, 2019, 6, 19-00393-19-00393.	0.4	1
15	Dual coaxial lens system for depth reconstruction. Optical Review, 2019, 26, 500-506.	2.0	1
16	Total internal reflection shell for light-emitting diode bulbs. Applied Optics, 2019, 58, 87.	1.8	6
17	Design of secondary light source for reflectors with axisymmetric light guide. Applied Optics, 2019, 58, 3848.	1.8	5
18	Multi-angle-view monocular camera using a polarization image sensor. Applied Optics, 2019, 58, 4036.	1.8	2

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19	Design of a transmissive optical system of a laser metal deposition three-dimensional printer with metal powder. Applied Optics, 2019, 58, 4127.	1.8	9
20	Localized gradient-index field reconstruction using background-oriented schlieren. Applied Optics, 2019, 58, 7795.	1.8	17
21	Scalar potential reconstruction method of axisymmetric 3D refractive index fields with background-oriented schlieren. Optics Express, 2019, 27, 5990.	3.4	23
22	Gradient-index dark hole based on conformal mapping with etendue conservation. Optics Express, 2019, 27, 18493.	3.4	18
23	Gradient-index measurement method of thermal lens in high-power laser processing. , 2019, , .		0
24	Multi-slicing matrix method for calculating s-polarization reflectance modulation induced by picosecond acoustic pulses for stratified media. OSA Continuum, 2019, 2, 1242.	1.8	0
25	Depth reconstruction with coaxial multi-wavelength aperture telecentric optical system. Optics Express, 2018, 26, 25880.	3.4	10
26	Cosmic magnetism in centimeter- and meter-wavelength radio astronomy. Publication of the Astronomical Society of Japan, 2018, 70, .	2.5	25
27	Reconstruction method of axisymmetric refractive index fields with background-oriented schlieren. Applied Optics, 2018, 57, 9062.	1.8	21
28	A numerical method to reconstruct internal structures with a laser ultrasonic technique. , 2018, , .		0
29	Design of a coaxial light guide producing a wide-angle light distribution. Applied Optics, 2017, 56, 3977.	2.1	10
30	TURBULENT COSMIC-RAY REACCELERATION AT RADIO RELICS AND HALOS IN CLUSTERS OF GALAXIES. Astrophysical Journal, 2015, 815, 116.	4.5	29
31	Reduction in pn Junction Leakage for Ni-Silicided Small Si Islands by Using Improved Convection Annealing. Japanese Journal of Applied Physics, 2009, 48, 076503.	1.5	1
32	Optical interference effect on chip’s temperature distribution in the optical annealing process. , 2008, , .		0
33	GENERATION OF LARGE-SCALE MAGNETIC FIELDS FROM PRIMORDIAL DENSITY FLUCTUATIONS. Modern Physics Letters A, 2007, 22, 2091-2098.	1.2	3
34	Origin of Cosmological Magnetic Fields. AIP Conference Proceedings, 2006, , .	0.4	0
35	Cosmological Magnetic Field: A Fossil of Density Perturbations in the Early Universe. Science, 2006, 311, 827-829.	12.6	124
36	Magnetic Field Generation from Cosmological Perturbations. Physical Review Letters, 2005, 95, 121301.	7.8	100

#	Article	IF	Citations
37	Biermann Mechanism in Primordial Supernova Remnant and Seed Magnetic Fields. Astrophysical Journal, 2005, 633, 941-945.	4.5	62
38	Decaying Cold Dark Matter and the Evolution of the Cluster Abundance. Astrophysical Journal, 2003, 597, 645-649.	4.5	34
39	Probing Intracluster Magnetic Fields with Cosmic Microwave Background Polarization. Astrophysical Journal, 2003, 584, 599-607.	4.5	24
40	Radio Halo Formation through Magnetoturbulent Particle Acceleration in Clusters of Galaxies. Astrophysical Journal, 2002, 577, 658-667.	4.5	58