

Dawei Zhang

List of Publications by Year in descending order

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185
papers

3,122
citations

201385

27
h-index

233125

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all docs

186
docs citations

186
times ranked

3631
citing authors

#	ARTICLE	IF	CITATIONS
1	Research on multiple-image encryption mechanism based on Radon transform and ghost imaging. Optics Communications, 2022, 504, 127494.	1.0	22
2	Reidinger defects induced thermally stable green emission from Eu ²⁺ , Mn ²⁺ co-doped Ba _{0.75} Al ₁₁ O _{17.25} transparent ceramics. Journal of the European Ceramic Society, 2022, 42, 266-273.	2.8	8
3	Regulation of zeolite-derived upconversion photocatalytic system for near infrared light/ultrasound dual-triggered multimodal melanoma therapy under a boosted hypoxia relief tumor microenvironment via autophagy. Chemical Engineering Journal, 2022, 429, 132484.	6.6	21
4	Effect of SiO ₂ introduction on luminescence properties of LuAG:Mn ²⁺ phosphors. Journal of Rare Earths, 2022, 40, 253-259.	2.5	8
5	Cervical cell multi-classification algorithm using global context information and attention mechanism. Tissue and Cell, 2022, 74, 101677.	1.0	8
6	BaAl ₂ O ₄ :Eu ²⁺ Al ₂ O ₃ ceramics for wide range optical temperature sensing. Dalton Transactions, 2022, 51, 1784-1790.	1.6	1
7	Mn ²⁺ -exchanged USY zeolites derived glass for wide-range optical thermometry. Journal of Luminescence, 2022, 244, 118664.	1.5	0
8	Comparison of negative blended lenticular lens design methods for high myopic spectacles. Optics Communications, 2022, 508, 127725.	1.0	0
9	Generation of high-uniformity and high-resolution Bessel beam arrays through all-dielectric metasurfaces. Nanophotonics, 2022, 11, 967-977.	2.9	13
10	Bioinspired Compound Eyes for Diffused Light-Harvesting Application. ACS Applied Materials & Interfaces, 2022, 14, 4767-4774.	4.0	4
11	A continuous flow PCR array microfluidic chip applied for simultaneous amplification of target genes of periodontal pathogens. Lab on A Chip, 2022, 22, 733-737.	3.1	21
12	Ba _{0.75} Al ₁₁ O _{17.25} :Cr ³⁺ red-emitting ceramic phosphor with luminescence thermal stability. Optical Materials Express, 2022, 12, 981.	1.6	3
13	Oxygen-injection-dependent nonlinear absorption of MoS ₂ colloidal particles fabricated by laser ablation in liquid conditions. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 140, 115173.	1.3	1
14	Yb ³⁺ /Mn ²⁺ co-doped Y ₃ Al ₅ O ₁₂ phosphors for optical thermometric application. Optical Materials, 2022, 124, 111949.	1.7	6
15	Laser direct patterning induced the tunable optical properties of indium tin oxide micro-hole arrays films. Current Applied Physics, 2022, 36, 171-175.	1.1	4
16	Thickness dependency of PVA on the transition from saturable absorption to reverse saturable absorption of ITO films. Optical Materials, 2022, 125, 112061.	1.7	7
17	Broadband generation of accelerating polygon beams with large curvature ratio and small focused spot using all-dielectric metasurfaces. Nanophotonics, 2022, 11, 1203-1210.	2.9	3
18	High resolution reconstruction method of ghost imaging via SURF-NSML. Journal of the Korean Physical Society, 2022, 80, 964-971.	0.3	4

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19	Luminous output improvement in chip scale packaged Ce ³⁺ :YAG-based ceramic phosphors-converted white LEDs via laser assistance for application in automobile headlights. <i>Ceramics International</i> , 2022, 48, 16391-16396.	2.3	8
20	Video anomaly detection based on 3D convolutional auto-encoder. <i>Signal, Image and Video Processing</i> , 2022, 16, 1885-1893.	1.7	6
21	Angle robust reflected plasmonic color palettes with expanded color gamut. <i>Optics Communications</i> , 2022, 517, 128341.	1.0	7
22	Cytotoxicity Effect of Iron Oxide (Fe ₃ O ₄)/Graphene Oxide (GO) Nanosheets in Cultured HBE Cells. <i>Frontiers in Chemistry</i> , 2022, 10, .	1.8	3
23	Far-red emitting MgAl ₂ O ₄ :Cr ³⁺ ceramic phosphors with luminescence thermal stability for plant lighting LEDs. <i>Optical Materials Express</i> , 2022, 12, 2942.	1.6	4
24	Rapid quantitative detection of chloramphenicol in milk by microfluidic immunoassay. <i>Food Chemistry</i> , 2021, 339, 127857.	4.2	60
25	High throughput DNA concentration determination system based on fluorescence technology. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 128904.	4.0	7
26	Photoluminescence properties of Tb ₃ Al ₅ O ₁₂ :Ce ³⁺ , Mn ²⁺ phosphor ceramics for high color rendering index warm white LEDs. <i>Optical Materials</i> , 2021, 111, 110670.	1.7	17
27	EGFR inhibitors regulate Ca ²⁺ concentration and apoptosis after PM _{2.5} exposure based on a lung-mimic microfluidic system. <i>Science of the Total Environment</i> , 2021, 761, 143200.	3.9	7
28	Synthesis and luminescence properties of color-tunable Ce, Mn co-doped LuAG transparent ceramics by sintering under atmospheric pressure. <i>Ceramics International</i> , 2021, 47, 9156-9163.	2.3	16
29	Tailoring the free carrier and optoelectric properties of indium tin oxide film via quasi-continuous-wave laser annealing. <i>Applied Surface Science</i> , 2021, 538, 148104.	3.1	7
30	Deep-red emitting Mg ₂ TiO ₄ :Mn ⁴⁺ phosphor ceramics for plant lighting. <i>Journal of Advanced Ceramics</i> , 2021, 10, 88-97.	8.9	37
31	Tunable surface plasmon resonance of Al-Cu bimetallic nanoparticles thin films induced by pulsed-laser. <i>Applied Surface Science</i> , 2021, 540, 148397.	3.1	18
32	A flux-adaptable pump-free microfluidics-based self-contained platform for multiplex cancer biomarker detection. <i>Lab on A Chip</i> , 2021, 21, 143-153.	3.1	53
33	Fabrication and spectral properties of Yb,Ho:Y ₂ O ₃ transparent ceramics. <i>Optical Materials</i> , 2021, 112, 110479.	1.7	1
34	All-Dielectric Synthetic-Phase Metasurfaces Generating Practical Airy Beams. <i>ACS Nano</i> , 2021, 15, 1030-1038.	7.3	41
35	Graphene oxide induced the enhancement of nonlinear optical response of ITO films. <i>Optical Materials</i> , 2021, 113, 110841.	1.7	9
36	An Oxygen-Concentration-Controllable Multiorgan Microfluidic Platform for Studying Hypoxia-Induced Lung Cancer-Liver Metastasis and Screening Drugs. <i>ACS Sensors</i> , 2021, 6, 823-832.	4.0	28

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37	Emerging optofluidic technologies for biodiagnostic applications. <i>View</i> , 2021, 2, 20200035.	2.7	9
38	High-Throughput Cell Trapping in the Dentate Spiral Microfluidic Channel. <i>Micromachines</i> , 2021, 12, 288.	1.4	1
39	Use of Dielectric Metasurfaces to Generate Deep-Subwavelength Nondiffractive Bessel-Like Beams with Arbitrary Trajectories and Ultralarge Deflection. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000487.	4.4	22
40	Enhancement of nonlinear optical property of Cu ₂ O/Ag/Cu ₂ O composite films induced by laser irradiation. <i>Journal of Materials Science</i> , 2021, 56, 9871-9882.	1.7	2
41	Fabrication of uniform-aperture multi-focus microlens array by curving microfluid in the microholes with inclined walls. <i>Optics Express</i> , 2021, 29, 12763.	1.7	12
42	Spectral radiance backward characterization model for liquid crystal display based on key wavelengths. <i>Laser Physics Letters</i> , 2021, 18, 065701.	0.6	0
43	Ghost imaging-based optical cryptosystem for multiple images using integral property of the Fourier transform*. <i>Chinese Physics B</i> , 2021, 30, 124207.	0.7	3
44	Capillary electrophoresis of DNA with high resolution based on copoly(pentaerythritoltetra) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 T 338811.	2.6	5
45	Protonated 2D carbon nitride sensitized with Ce6 as a smart metal-free nanoplatfom for boosted acute multimodal photo-sono tumor inactivation and long-term cancer immunotherapy. <i>Chemical Engineering Journal</i> , 2021, 422, 130089.	6.6	29
46	Improved 2.0-4m luminescence by doping Ce ³⁺ ions in Yb ³⁺ , Ho ³⁺ :YAG transparent ceramics. <i>Infrared Physics and Technology</i> , 2021, 118, 103895.	1.3	1
47	Cuprous oxide induced the surface enhanced Raman scattering of silver thin films. <i>Chemical Physics Letters</i> , 2021, 783, 139071.	1.2	4
48	Multiplex amplification of target genes of periodontal pathogens in continuous flow PCR microfluidic chip. <i>Lab on A Chip</i> , 2021, 21, 3159-3164.	3.1	20
49	Generation of flow and droplets with an ultra-long-range linear concentration gradient. <i>Lab on A Chip</i> , 2021, 21, 4390-4400.	3.1	21
50	Road crack segmentation using an attention residual U-Net with generative adversarial learning. <i>Mathematical Biosciences and Engineering</i> , 2021, 18, 9669-9684.	1.0	1
51	Biomimetic apposition compound eye fabricated using microfluidic-assisted 3D printing. <i>Nature Communications</i> , 2021, 12, 6458.	5.8	51
52	Laser induced surface enhanced Raman scattering of silver thin films decorated with carbon nanoparticles. <i>Optical Materials</i> , 2021, 122, 111728.	1.7	2
53	Separation of proteins by square-wave pulsed field and inversion field capillary electrophoresis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, , .	2.7	0
54	Angle-tolerant polarization controlled continuous color palette from all-dielectric nanograting in reflective mode. <i>Optics Express</i> , 2021, 29, 41246.	1.7	4

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55	A novel noise model based on balanced detection for an ultrafast line-scan imaging system. <i>Optics Communications</i> , 2020, 460, 124508.	1.0	1
56	Effect of alumina addition on the microstructure and luminescence properties of BaAl ₂ O ₄ :Eu ²⁺ -Al ₂ O ₃ green fluorescent composite ceramics fabricated by spark plasma sintering. <i>Ceramics International</i> , 2020, 46, 3801-3810.	2.3	9
57	Spectral compression method for LCD display based on color difference weighted function. <i>Optik</i> , 2020, 203, 163959.	1.4	2
58	Optical image compression and encryption transmission-based on deep learning and ghost imaging. <i>Applied Physics B: Lasers and Optics</i> , 2020, 126, 1.	1.1	11
59	Constructing a pathway for mixed ion and electron transfer reactions for O ₂ incorporation in Pr _{0.1} Ce _{0.9} O _{2-x} . <i>Nature Catalysis</i> , 2020, 3, 116-124.	16.1	40
60	Fabrication and photocatalytic property of MoO _x nano-particle films from Mo target by laser ablation at ambient conditions. <i>Optical Materials</i> , 2020, 99, 109589.	1.7	4
61	Design and fabrication of portable continuous flow PCR microfluidic chip for DNA replication. <i>Biomedical Microdevices</i> , 2020, 22, 5.	1.4	19
62	A weakly supervised framework for abnormal behavior detection and localization in crowded scenes. <i>Neurocomputing</i> , 2020, 383, 270-281.	3.5	35
63	High-performance Sieving Electrophoresis for Single Nucleotide Polymorphisms with a Structuring Hydrogel Network. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900385.	1.1	3
64	Influence of Atmospheric Turbulence Channel on a Super-Resolution Ghost Imaging Transmission System Based on Plasmonic Structure Illumination Microscopy. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	2
65	Spectroscopic properties of Yb ³⁺ , Ho ³⁺ -doped Y ₃ Al ₅ O ₁₂ single crystals grown by the micro-pulling-down method. <i>Infrared Physics and Technology</i> , 2020, 111, 103540.	1.3	2
66	Polarization Insensitive, Broadband, Near Diffraction-Limited Metalens in Ultraviolet Region. <i>Nanomaterials</i> , 2020, 10, 1439.	1.9	22
67	White emitting aluminosilicate glass phosphors derived from Dy ³⁺ , Ag ⁺ co-exchanged LTA zeolite. <i>Ceramics International</i> , 2020, 46, 28933-28938.	2.3	5
68	Surface enhanced Raman scattering of defective TiO ₂ thin film decorated with silver nanoparticles by laser ablation. <i>Optical Materials</i> , 2020, 109, 110338.	1.7	14
69	Laser patterning induced the tunability of nonlinear optical property in silver thin films. <i>Chemical Physics Letters</i> , 2020, 751, 137535.	1.2	5
70	MoS ₂ induced the enhancement of nonlinear absorption of Ag thin film. <i>Physica B: Condensed Matter</i> , 2020, 591, 412261.	1.3	6
71	Ultrasound and Near-Infrared Light Dual-Triggered Upconversion Zeolite-Based Nanocomposite for Hyperthermia-Enhanced Multimodal Melanoma Therapy via a Precise Apoptotic Mechanism. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32420-32431.	4.0	32
72	Diagnosis of mixed infections with swine viruses using an integrated microfluidic platform. <i>Sensors and Actuators B: Chemical</i> , 2020, 312, 128005.	4.0	15

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73	Hydroxylation and Cation Segregation in $(\text{La}_{0.5}\text{Sr}_{0.5})\text{FeO}_{3-\delta}$ Electrodes. <i>Chemistry of Materials</i> , 2020, 32, 2926-2934.	3.2	12
74	High-Efficiency, Broadband, Near Diffraction-Limited, Dielectric Metalens in Ultraviolet Spectrum. <i>Nanomaterials</i> , 2020, 10, 490.	1.9	29
75	Laser induced the tunable permittivity of Epsilon-Near-Zero induced in indium tin oxide thin films. <i>Optical Materials</i> , 2020, 107, 110137.	1.7	11
76	The enhancement of nonlinear absorption of Ag thin film on laser induced defective MoOx buffer layer. <i>Chemical Physics Letters</i> , 2020, 754, 137727.	1.2	8
77	High Order Magnetic and Electric Resonant Modes of Split Ring Resonator Metasurface Arrays for Strong Enhancement of Mid-Infrared Photodetection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8835-8844.	4.0	13
78	Separation of subcellular fluorescent microspheres by capillary electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1871-1877.	1.9	1
79	Ag@Ag ₂ O composite structure with tunable localized surface plasmon resonance as ultrastable, sensitive and cost-effective SERS substrate. <i>Journal of Alloys and Compounds</i> , 2020, 839, 155729.	2.8	7
80	Dynamic tailoring of an optical skyrmion lattice in surface plasmon polaritons. <i>Optics Express</i> , 2020, 28, 10320.	1.7	27
81	Shift of the surface plasmon polariton interference pattern in symmetrical arc slit structures and its application to Rayleigh metallic particle trapping. <i>Optics Express</i> , 2020, 28, 21210.	1.7	7
82	Temperature dependence of initial deformation and cracks of indium tin oxide film by quasi-continuous-wave laser irradiations. <i>Optical Materials Express</i> , 2020, 10, 2394.	1.6	2
83	Polarization-independent highly efficient generation of Airy optical beams with dielectric metasurfaces. <i>Photonics Research</i> , 2020, 8, 1148.	3.4	29
84	Dynamical generation of multiple focal spot pairs with controllable position and polarization. <i>Optics Express</i> , 2020, 28, 26706.	1.7	7
85	Omnidirectional and compact transmissive chromatic polarizers based on a dielectric-metal-dielectric structure. <i>Optics Express</i> , 2020, 28, 25073.	1.7	5
86	Dynamic tailoring of an optical skyrmion lattice in surface plasmon polaritons: reply. <i>Optics Express</i> , 2020, 28, 33616.	1.7	2
87	Formation of high-filling-factor microlens array on the posts. , 2020, , .		0
88	Ultrafast cell edge detection by line-scan time-stretch microscopy. <i>Journal of Biophotonics</i> , 2019, 12, e201800044.	1.1	0
89	Green emitting spinel/Ba ₂ SiO ₄ :Eu ²⁺ /spinel sandwich structure robust ceramic phosphor prepared by spark plasma sintering. <i>Ceramics International</i> , 2019, 45, 23643-23650.	2.3	16
90	SERS-active Ag@Al alloy nanoparticles with tunable surface plasmon resonance induced by laser ablation. <i>Optical Materials</i> , 2019, 96, 109298.	1.7	22

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91	Composite Films of Polydimethylsiloxane and Micro-Graphite with Tunable Optical Transmittance. Applied Sciences (Switzerland), 2019, 9, 2402.	1.3	10
92	Oxygen flows-dependent photocatalytic performance in Ti ³⁺ -doped TiO ₂ thin films. Optical Materials, 2019, 95, 109224.	1.7	17
93	An achromatic metalens in the near-infrared region with an array based on a single nano-rod unit. Applied Physics Express, 2019, 12, 092003.	1.1	23
94	Al-induced tunable surface plasmon resonance of Ag thin film by laser irradiation. Applied Physics Express, 2019, 12, 085503.	1.1	7
95	A facile way to obtain LuAG:Ce ³⁺ transparent ceramic phosphor and a LuAG:Ce ³⁺ /Al ceramic metal integration structure. Materials Research Express, 2019, 6, 116214.	0.8	5
96	Multiple-image encryption scheme based on ghost imaging of Hadamard matrix and spatial multiplexing. Applied Physics B: Lasers and Optics, 2019, 125, 1.	1.1	31
97	Fully-functional semi-automated microfluidic immunoassay platform for quantitation of multiple samples. Sensors and Actuators B: Chemical, 2019, 300, 127017.	4.0	21
98	Colour compound lenses for a portable fluorescence microscope. Light: Science and Applications, 2019, 8, 75.	7.7	61
99	Generation of Flat Top Surface Plasmon Polariton Beams by Near Field Holography. Nanomaterials, 2019, 9, 1377.	1.9	1
100	Multiple-Image Encryption Mechanism Based on Ghost Imaging and Public Key Cryptography. IEEE Photonics Journal, 2019, 11, 1-14.	1.0	9
101	All-in-one microfluidic device for on-site diagnosis of pathogens based on an integrated continuous flow PCR and electrophoresis biochip. Lab on A Chip, 2019, 19, 2663-2668.	3.1	67
102	Photocatalytic performance of TiO ₂ thin film decorated with Cu ₂ O nanoparticles by laser ablation. Optical Materials, 2019, 94, 130-137.	1.7	18
103	Broadband Absorption Tailoring of SiO ₂ /Cu/ITO Arrays Based on Hybrid Coupled Resonance Mode. Nanomaterials, 2019, 9, 852.	1.9	5
104	High-repetition-rate laser-induced damage of indium tin oxide films and polyimide films at a 1064 nm wavelength. Optical Materials Express, 2019, 9, 911.	1.6	8
105	Advanced Collagen-Based Biomaterials for Regenerative Biomedicine. Advanced Functional Materials, 2019, 29, 1804943.	7.8	219
106	Blue/red dual color up-conversion emission from Tm ³⁺ , Yb ³⁺ co-activated nepheline particles derived from LTA zeolites. Materials Research Express, 2019, 6, 035022.	0.8	3
107	Effective iterative method for accurate amplitude modulation in complex optical field generation. Optical Engineering, 2019, 58, 1.	0.5	2
108	Mn ⁴⁺ -activated Al ₂ O ₃ -red-emitting ceramic phosphor with excellent thermal conductivity. Optics Express, 2019, 27, 32666.	1.7	23

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109	Alignment and counting of mitochondria based on capillary electrophoresis. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 110-114.	4.0	13
110	Factors affecting the separation performance of proteins in capillary electrophoresis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1083, 63-67.	1.2	13
111	Single Plasmonic Structure Enhanced Dual-band Room Temperature Infrared Photodetection. <i>Scientific Reports</i> , 2018, 8, 1548.	1.6	14
112	Laser irradiation induced tunable localized surface plasmon resonance of silver thin film. <i>Optical Materials</i> , 2018, 77, 198-203.	1.7	18
113	Miniaturized gel electrophoresis system for fast separation of nucleic acids. <i>Sensors and Actuators B: Chemical</i> , 2018, 254, 153-158.	4.0	15
114	The development of collagen based composite scaffolds for bone regeneration. <i>Bioactive Materials</i> , 2018, 3, 129-138.	8.6	310
115	Thickness-dependent surface plasmon resonance of ITO nanoparticles for ITO/In-Sn bilayer structure. <i>Nanotechnology</i> , 2018, 29, 015705.	1.3	5
116	Defect-Induced Tunable Permittivity of Epsilon-Near-Zero in Indium Tin Oxide Thin Films. <i>Nanomaterials</i> , 2018, 8, 922.	1.9	20
117	Polarization Controllable Device for Simultaneous Generation of Surface Plasmon Polariton Bessel-Like Beams and Bottle Beams. <i>Nanomaterials</i> , 2018, 8, 975.	1.9	13
118	Excitation of in-plane surface plasmon polariton bottle beams by multiple-incident-light illumination. <i>Applied Physics Express</i> , 2018, 11, 072003.	1.1	3
119	The effect of electrophoretic parameters on separation performance of short DNA fragments. <i>Analytical Biochemistry</i> , 2018, 556, 99-103.	1.1	4
120	Fabrication of polymer microlens array with controllable focal length by modifying surface wettability. <i>Optics Express</i> , 2018, 26, 4172.	1.7	29
121	Dynamic tailoring of surface plasmon polaritons through incident angle modulation. <i>Optics Express</i> , 2018, 26, 9772.	1.7	17
122	Study on the Key Technology of Image Transmission Mechanism Based on Channel Coding Ghost Imaging. <i>IEEE Photonics Journal</i> , 2018, 10, 1-13.	1.0	29
123	Eu ²⁺ -activated blue-emitting glass phosphor derived from Eu ³⁺ exchanged USY zeolites by thermal treatment in reducing atmosphere. <i>Ceramics International</i> , 2018, 44, 19547-19553.	2.3	8
124	The influence of dielectric environment on the localized surface plasmon resonance of silver-based composite thin films. <i>Optical Materials</i> , 2018, 83, 212-219.	1.7	12
125	Generation of a ring-shaped focusing spot with precisely controllable position and diameter. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 987.	0.9	1
126	Fabrication of large micro-structured high-numerical-aperture optofluidic compound eyes with tunable angle of view. <i>Optics Express</i> , 2018, 26, 33356.	1.7	7

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127	Plasmonic Holographic Metasurfaces for Generation of Vector Optical Beams. IEEE Photonics Journal, 2017, 9, 1-8.	1.0	10
128	Quantum dot based detections of propagating plasmonic modes excited by bowtie antennas. Laser Physics, 2017, 27, 036201.	0.6	1
129	Arbitrary continuous nano-marks generated by multifocal spot arrays for controllable laser printing. Laser Physics, 2017, 27, 046201.	0.6	2
130	Fabrication of a Microlens Array with Controlled Curvature by Thermally Curving Photosensitive Gel Film beneath Microholes. ACS Applied Materials & Interfaces, 2017, 9, 16604-16609.	4.0	31
131	Electron-beam irradiation induced phase transformation, optical absorption and surface-enhanced Raman scattering of Indium tin alloy thin films. Superlattices and Microstructures, 2017, 106, 189-196.	1.4	8
132	Replication of periodic structure on 2D acrylic lens attained as a diffractive optical element in reflectance domain. Journal of Physics Communications, 2017, 1, 045006.	0.5	0
133	Difference of SERS ability from titanium oxide films by Ti ³⁺ self-doping. Optical Materials, 2017, 73, 371-376.	1.7	11
134	Electron-beam irradiation induced optical transmittance enhancement for Au/ITO and ITO/Au/ITO multilayer thin films. Journal of Materials Science and Technology, 2017, 33, 1107-1112.	5.6	24
135	Tailorable Elastomeric Grating With Tunable Groove Density Gradient. IEEE Photonics Journal, 2017, 9, 1-6.	1.0	5
136	Second-Order Intensity-Correlated Imaging Through the Scattering Medium. IEEE Photonics Journal, 2017, 9, 1-7.	1.0	28
137	Real-time Tracking of DNA Fragment Separation by Smartphone. Journal of Visualized Experiments, 2017, , .	0.2	1
138	Data Compression for Time-Stretch Imaging Based on Differential Detection and Run-Length Encoding. Journal of Lightwave Technology, 2017, 35, 5098-5104.	2.7	8
139	Roughness dependence of optical coefficient polarization on pixelsâ€™ diffractive elements by stretching technique. Journal of Physics Communications, 2017, 1, 055028.	0.5	0
140	Ultra-Broadband Excitations of Plasmonic Waveguides by Bowtie Apertures. Plasmonics, 2017, 12, 1257-1262.	1.8	4
141	Security and coding performance of spectral phase coding. , 2017, , .		1
142	Hydrodynamically reconfigurable optofluidic microlens with continuous shape tuning from biconvex to biconcave. Optics Express, 2017, 25, 888.	1.7	14
143	Dynamic three-dimensional multifocal spots in high numerical-aperture objectives. Optics Express, 2017, 25, 24756.	1.7	24
144	Laser induced photocatalytic activity enhancement of TiO ₂ thin films. Optics Express, 2017, 25, A1132.	1.7	5

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145	Observation of the Kinetic Inductance Limitation for the Fundamental Magnetic Resonance in Ultrasmall Gold δ -Shape Split Ring Resonators. <i>Advanced Optical Materials</i> , 2016, 4, 1047-1052.	3.6	24
146	Synthesis, luminescence properties and electronic structure of Tb^{3+} -doped $Y_{4-x}SiAlO_{8-x}N_xTb^3+$ a novel green phosphor with high thermal stability for white LEDs. <i>RSC Advances</i> , 2016, 6, 113249-113259.	1.7	17
147	The crystal structure and luminescence properties of novel Ce^{3+} and Ce^{3+} , Sm^{3+} -activated $Y_4SiAlO_{8-x}N_x$ phosphors for near-UV white LEDs. <i>New Journal of Chemistry</i> , 2016, 40, 5458-5466.	1.4	30
148	Study on the algorithm of computational ghost imaging based on discrete fourier transform measurement matrix. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2016, 121, 143-151.	0.2	1
149	Tunable and Polarization-Independent Wedged Resonance Filter With 2D Crossed Grating. <i>IEEE Photonics Technology Letters</i> , 2016, 28, 2211-2214.	1.3	16
150	Tunable guided-mode resonance filter with a gradient grating period fabricated by casting a stretched PDMS grating wedge. <i>Optics Letters</i> , 2016, 41, 5302.	1.7	37
151	Surface-enhanced Raman scattering of silver thin films on as-roughened substrate by reactive ion etching. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	7
152	Influence of photoresist layer on unetched guided mode resonance filter. <i>Journal of Optics (India)</i> , 2016, 45, 302-306.	0.8	4
153	Capillary electrophoresis of RNA in hydroxyethylcellulose polymer with various molecular weights. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1011, 114-120.	1.2	10
154	A Highly Efficient Plasmonic Lens Based on a Single Annular Ring With Cross Section of an Asymmetric Slot. <i>IEEE Photonics Journal</i> , 2016, 8, 1-9.	1.0	3
155	Focal-length-tunable elastomer-based liquid-filled plano-convex mini lens. <i>Optics Letters</i> , 2016, 41, 404.	1.7	13
156	Optical gradient force of linearly polarized sine-azimuthal Lorentz beam with one on-axis optical vortex. <i>Optik</i> , 2016, 127, 4193-4199.	1.4	1
157	Broadband Plasmonic Logic Input Sources Constructed With Dual Square Ring Resonators and Dual Waveguides. <i>IEEE Photonics Journal</i> , 2016, 8, 1-9.	1.0	6
158	Ultrafast imaging with anti-aliasing based on optical time-division multiplexing. <i>Optics Letters</i> , 2016, 41, 882.	1.7	9
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