

Dawei Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

233
papers

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147801

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times ranked

3367
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue damage analysis of prefabricated concrete composite beams based on metal magnetic memory technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 544, 168722.	2.3	5
2	An operator-based expression toolkit for <i>Bacillus subtilis</i> enables fine-tuning of gene expression and biosynthetic pathway regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119980119.	7.1	29
3	Assessment of Spoilage Microbiota of Rainbow Trout (<i>Oncorhynchus mykiss</i>) during Storage by 16S rDNA Sequencing. <i>Journal of Food Quality</i> , 2022, 2022, 1-10.	2.6	6
4	Prediction of Ultrasonic Pulse Velocity for Cement, Mortar, and Concrete through a Multiscale Homogenization Approach. <i>Materials</i> , 2022, 15, 3241.	2.9	8
5	Identification of a xylose-inducible promoter and its application for improving vitamin B ₁₂ production in <i>Sinorhizobium meliloti</i> . <i>Biotechnology and Applied Biochemistry</i> , 2021, 68, 856-864.	3.1	1
6	Effect of U-shaped anchorages on concrete cover separation in carbon fiber-reinforced polymer-strengthened beams with notches at the sheet end. <i>Structural Concrete</i> , 2021, 22, 50-68.	3.1	1
7	Rapid quantitative detection of chloramphenicol in milk by microfluidic immunoassay. <i>Food Chemistry</i> , 2021, 339, 127857.	8.2	60
8	Analytical model for concrete cover separation of FRP strengthened RC beams with multiple steel bolts. <i>Structural Concrete</i> , 2021, 22, 183-197.	3.1	4
9	High throughput DNA concentration determination system based on fluorescence technology. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 128904.	7.8	7
10	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.	3.6	17
11	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.	8.0	7
12	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.	4.8	16
13	Weight distributions of spherical and cylindrical power deviations for designing freeform progressive addition lenses. <i>Optics Communications</i> , 2021, 484, 126662.	2.1	1
14	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.	6.1	7
15	Deep-red emitting Mg ₂ TiO ₄ :Mn ⁴⁺ phosphor ceramics for plant lighting. <i>Journal of Advanced Ceramics</i> , 2021, 10, 88-97.	17.4	37
16	Tunable surface plasmon resonance of Al-Cu bimetallic nanoparticles thin films induced by pulsed-laser. <i>Applied Surface Science</i> , 2021, 540, 148397.	6.1	18
17	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.	6.0	53
18	Fabrication and spectral properties of Yb,Ho:Y ₂ O ₃ transparent ceramics. <i>Optical Materials</i> , 2021, 112, 110479.	3.6	1

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19	Ultra-Broadband High-Efficiency Airy Optical Beams Generated with All-Silicon Metasurfaces. <i>Advanced Optical Materials</i> , 2021, 9, .	7.3	27
20	Windblown Sand-Induced Degradation of Glass Panels in Curtain Walls. <i>Materials</i> , 2021, 14, 607.	2.9	3
21	Signal Recognition Particle Suppressor Screening Reveals the Regulation of Membrane Protein Targeting by the Translation Rate. <i>MBio</i> , 2021, 12, .	4.1	5
22	All-Dielectric Synthetic-Phase Metasurfaces Generating Practical Airy Beams. <i>ACS Nano</i> , 2021, 15, 1030-1038.	14.6	41
23	Multiscale Modeling and Simulation of Ice-Strengthening Effects in Mesocracks of Saturated Frost-Damaged Concrete under Freezing Temperature. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, 04020443.	2.9	8
24	Analyzing the genetic characteristics of a tryptophan-overproducing <i>Escherichia coli</i> . <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 1685-1697.	3.4	6
25	Meso-scale mechanical deterioration of mortar subjected to freeze thaw cycles and sodium chloride attack. <i>Cement and Concrete Composites</i> , 2021, 117, 103906.	10.7	22
26	Metabolic profiling analysis of the vitamin B ₁₂ producer <i>Propionibacterium freudenreichii</i> . <i>MicrobiologyOpen</i> , 2021, 10, e1199.	3.0	6
27	High definition images transmission through single multimode fiber using deep learning and simulation speckles. <i>Optics and Lasers in Engineering</i> , 2021, 140, 106531.	3.8	11
28	Establishment of a Biosensor-based High-Throughput Screening Platform for Tryptophan Overproduction. <i>ACS Synthetic Biology</i> , 2021, 10, 1373-1383.	3.8	23
29	Pull-Out Performance of Anchored Carbon-Fiber Bundles in Cementitious Matrix. <i>Journal of Composites for Construction</i> , 2021, 25, .	3.2	1
30	A novel noise model based on balanced detection for an ultrafast line-scan imaging system. <i>Optics Communications</i> , 2020, 460, 124508.	2.1	1
31	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.	4.8	9
32	Enhanced production of D-psicose 3-epimerase in <i>Bacillus subtilis</i> by regulation of segmented fermentation. <i>Biotechnology and Applied Biochemistry</i> , 2020, 67, 812-818.	3.1	7
33	Performance comparison based on single-pixel imaging methods in the time domain. <i>Laser Physics</i> , 2020, 30, 015202.	1.2	0
34	Hyper-secretion mechanism exploration of a heterologous creatinase in <i>Bacillus subtilis</i> . <i>Biochemical Engineering Journal</i> , 2020, 153, 107419.	3.6	4
35	Spectral compression method for LCD display based on color difference weighted function. <i>Optik</i> , 2020, 203, 163959.	2.9	2
36	Optical image compression and encryption transmission-based on deep learning and ghost imaging. <i>Applied Physics B: Lasers and Optics</i> , 2020, 126, 1.	2.2	11

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37	Photocatalytic water splitting properties of Cu ²⁺ exchanged Beta zeolites. <i>Nanotechnology</i> , 2020, 31, 145715.	2.6	3
38	Fabrication and photocatalytic property of MoOx nano-particle films from Mo target by laser ablation at ambient conditions. <i>Optical Materials</i> , 2020, 99, 109589.	3.6	4
39	Principle and potential applications of the non-classical protein secretory pathway in bacteria. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 953-965.	3.6	29
40	Design and fabrication of portable continuous flow PCR microfluidic chip for DNA replication. <i>Biomedical Microdevices</i> , 2020, 22, 5.	2.8	19
41	A weakly supervised framework for abnormal behavior detection and localization in crowded scenes. <i>Neurocomputing</i> , 2020, 383, 270-281.	5.9	35
42	High-Performance Sieving Electrophoresis for Single-Nucleotide Polymorphisms with a Structuring Hydrogel Network. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900385.	2.2	3
43	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, .	2.1	2
44	Expanding application of CRISPR-Cas9 system in microorganisms. <i>Synthetic and Systems Biotechnology</i> , 2020, 5, 269-276.	3.7	21
45	Manipulation of Purine Metabolic Networks for Riboflavin Production in <i>Bacillus subtilis</i> . <i>ACS Omega</i> , 2020, 5, 29140-29146.	3.5	9
46	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.	2.9	2
47	Advances on systems metabolic engineering of <i>Bacillus subtilis</i> as a chassis cell. <i>Synthetic and Systems Biotechnology</i> , 2020, 5, 245-251.	3.7	29
48	Polarization Insensitive, Broadband, Near Diffraction-Limited Metalens in Ultraviolet Region. <i>Nanomaterials</i> , 2020, 10, 1439.	4.1	22
49	Hamiltonian Hopping for Efficient Chiral Mode Switching in Encircling Exceptional Points. <i>Physical Review Letters</i> , 2020, 125, 187403.	7.8	44
50	White emitting aluminosilicate glass phosphors derived from Dy ³⁺ , Ag ⁺ co-exchanged LTA zeolite. <i>Ceramics International</i> , 2020, 46, 28933-28938.	4.8	5
51	Surface enhanced Raman scattering of defective TiO ₂ thin film decorated with silver nanoparticles by laser ablation. <i>Optical Materials</i> , 2020, 109, 110338.	3.6	14
52	Effects of Heat Treatment on Mechanical Properties of Jute Fiber-Reinforced Polymer Composites for Concrete Confinement. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	2.9	22
53	A multistrategy approach for improving the expression of <i>E. coli</i> phytase in <i>Pichia pastoris</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 1161-1172.	3.0	10
54	Optical Properties of Resonant Diffraction Gratings with a Slowly Varying Period. , 2020, , .		0

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55	Laser patterning induced the tunability of nonlinear optical property in silver thin films. <i>Chemical Physics Letters</i> , 2020, 751, 137535.	2.6	5
56	Rapid Classification of Single Bacterium Based on Backscattering Microscopic Spectrum—A Pilot Study. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	1
57	Graphene-based dynamically tunable absorbers through guided mode resonance. <i>Superlattices and Microstructures</i> , 2020, 144, 106550.	3.1	5
58	MoS ₂ induced the enhancement of nonlinear absorption of Ag thin film. <i>Physica B: Condensed Matter</i> , 2020, 591, 412261.	2.7	6
59	Research on image transmission mechanism through a multimode fiber based on principal component analysis. <i>Optics and Lasers in Engineering</i> , 2020, 134, 106197.	3.8	14
60	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.	8.0	32
61	Diagnosis of mixed infections with swine viruses using an integrated microfluidic platform. <i>Sensors and Actuators B: Chemical</i> , 2020, 312, 128005.	7.8	15
62	Experimental Examination of Electrical Characteristics for Portland Cement Mortar Frost Damage Evaluation. <i>Materials</i> , 2020, 13, 1258.	2.9	6
63	High-Efficiency, Broadband, Near Diffraction-Limited, Dielectric Metalens in Ultraviolet Spectrum. <i>Nanomaterials</i> , 2020, 10, 490.	4.1	29
64	Synthesis of Imidazole-Based Medicinal Molecules Utilizing the van Leusen Imidazole Synthesis. <i>Pharmaceuticals</i> , 2020, 13, 37.	3.8	71
65	Laser induced the tunable permittivity of Epsilon-Near-Zero induced in indium tin oxide thin films. <i>Optical Materials</i> , 2020, 107, 110137.	3.6	11
66	Engineering <i>Escherichia coli</i> to improve tryptophan production via genetic manipulation of precursor and cofactor pathways. <i>Synthetic and Systems Biotechnology</i> , 2020, 5, 200-205.	3.7	17
67	Metabolic engineering of <i>Escherichia coli</i> for production of chemicals derived from the shikimate pathway. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020, 47, 525-535.	3.0	19
68	The enhancement of nonlinear absorption of Ag thin film on laser induced defective MoO _x buffer layer. <i>Chemical Physics Letters</i> , 2020, 754, 137727.	2.6	8
69	Bit error rate performance analysis for the orbital angular momentum of a multiplexed optical communication system based on multistaircase spiral phase plates. <i>Laser Physics Letters</i> , 2020, 17, 025202.	1.4	0
70	Structural behaviors evaluation of RC beam under frost damage — A methodology with meso-macro material/bond simulation and integrating into structural analysis. <i>Engineering Structures</i> , 2020, 206, 110162.	5.3	9
71	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.	8.0	13
72	Separation of subcellular fluorescent microspheres by capillary electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1871-1877.	3.7	1

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73	Recent Advances in the Synthesis of Oxazole-Based Molecules via van Leusen Oxazole Synthesis. <i>Molecules</i> , 2020, 25, 1594.	3.8	56
74	Structural behaviour of pre-damaged reinforced concrete beams strengthened with natural fibre reinforced polymer composites. <i>Composite Structures</i> , 2020, 244, 112309.	5.8	57
75	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.	5.5	7
76	Dynamic tailoring of an optical skyrmion lattice in surface plasmon polaritons. <i>Optics Express</i> , 2020, 28, 10320.	3.4	27
77	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.	3.4	7
78	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.	3.0	2
79	Polarization-independent highly efficient generation of Airy optical beams with dielectric metasurfaces. <i>Photonics Research</i> , 2020, 8, 1148.	7.0	29
80	Reconstruction of spectral reflectance based on mixed weighting and local optimization. <i>Ukrainian Journal of Physical Optics</i> , 2020, 21, 65-83.	13.0	0
81	Automated classification of dual channel dental imaging of auto-fluorescence and white light by convolutional neural networks. <i>Journal of Innovative Optical Health Sciences</i> , 2020, 13, .	1.0	16
82	Dynamical generation of multiple focal spot pairs with controllable position and polarization. <i>Optics Express</i> , 2020, 28, 26706.	3.4	7
83	Omnidirectional and compact transmissive chromatic polarizers based on a dielectric-metal-dielectric structure. <i>Optics Express</i> , 2020, 28, 25073.	3.4	5
84	Rapid quantitative detection of mineral oil contamination in vegetable oil by near-infrared spectroscopy. <i>Chinese Optics Letters</i> , 2020, 18, 043001.	2.9	2
85	Laser-induced cavitation for sterilization of foodborne pathogenic bacteria. <i>Optical Engineering</i> , 2020, 59, 1.	1.0	0
86	Dynamic tailoring of an optical skyrmion lattice in surface plasmon polaritons: reply. <i>Optics Express</i> , 2020, 28, 33616.	3.4	2
87	Study on optical hierarchical sorting of particles based on the Fraunhofer diffraction field of spiral phase plate array. <i>Optical Engineering</i> , 2020, 59, .	1.0	1
88	Formation of high-filling-factor microlens array on the posts. , 2020, , .		0
89	Research on the influence of the near vision area on the width of the astigmatism channel based on the minimization model. , 2020, , .		0
90	Ultrafast cell edge detection by line-scan time-stretch microscopy. <i>Journal of Biophotonics</i> , 2019, 12, e201800044.	2.3	0

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91	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.	4.8	16
92	SERS-active Ag@Al alloy nanoparticles with tunable surface plasmon resonance induced by laser ablation. <i>Optical Materials</i> , 2019, 96, 109298.	3.6	22
93	Composite Films of Polydimethylsiloxane and Micro-Graphite with Tunable Optical Transmittance. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2402.	2.5	10
94	Oxygen flows-dependent photocatalytic performance in Ti ³⁺ -doped TiO ₂ thin films. <i>Optical Materials</i> , 2019, 95, 109224.	3.6	17
95	Ultrathin and broadband highly efficient terahertz reflective polarization converter based on four L-shaped metamaterials. <i>Optical Materials</i> , 2019, 95, 109230.	3.6	22
96	An achromatic metalens in the near-infrared region with an array based on a single nano-rod unit. <i>Applied Physics Express</i> , 2019, 12, 092003.	2.4	23
97	Al-induced tunable surface plasmon resonance of Ag thin film by laser irradiation. <i>Applied Physics Express</i> , 2019, 12, 085503.	2.4	7
98	Structural engineering of germanosilicate glass network for enhanced Bi: NIR luminescence. <i>Optical Materials</i> , 2019, 95, 109222.	3.6	6
99	Effect of natural fibre reinforced polymers on confined compressive strength of concrete. <i>Construction and Building Materials</i> , 2019, 223, 156-164.	7.2	41
100	YAG:Ce-Al ₂ O ₃ composite/spinel dual-layer ceramic phosphor for high luminous density light converting application. <i>Materials Research Express</i> , 2019, 6, 116212.	1.6	3
101	A facile way to obtain LuAG:Ce ³⁺ transparent ceramic phosphor and a LuAG:Ce ³⁺ /Al ceramic metal integration structure. <i>Materials Research Express</i> , 2019, 6, 116214.	1.6	5
102	Multiple-image encryption scheme based on ghost imaging of Hadamard matrix and spatial multiplexing. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1.	2.2	31
103	Fully-functional semi-automated microfluidic immunoassay platform for quantitation of multiple samples. <i>Sensors and Actuators B: Chemical</i> , 2019, 300, 127017.	7.8	21
104	Colour compound lenses for a portable fluorescence microscope. <i>Light: Science and Applications</i> , 2019, 8, 75.	16.6	61
105	Strategies for Applying Nonhomologous End Joining-Mediated Genome Editing in Prokaryotes. <i>ACS Synthetic Biology</i> , 2019, 8, 2194-2202.	3.8	8
106	Generation of Flat Top Surface Plasmon Polariton Beams by Near Field Holography. <i>Nanomaterials</i> , 2019, 9, 1377.	4.1	1
107	Multiple-Image Encryption Mechanism Based on Ghost Imaging and Public Key Cryptography. <i>IEEE Photonics Journal</i> , 2019, 11, 1-14.	2.0	9
108	All-in-one microfluidic device for on-site diagnosis of pathogens based on an integrated continuous flow PCR and electrophoresis biochip. <i>Lab on A Chip</i> , 2019, 19, 2663-2668.	6.0	67

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109	Photocatalytic performance of TiO ₂ thin film decorated with Cu ₂ O nanoparticles by laser ablation. <i>Optical Materials</i> , 2019, 94, 130-137.	3.6	18
110	Broadband Absorption Tailoring of SiO ₂ /Cu/ITO Arrays Based on Hybrid Coupled Resonance Mode. <i>Nanomaterials</i> , 2019, 9, 852.	4.1	5
111	Mesoscale simulation of bond behaviors between concrete and reinforcement under the effect of frost damage with axisymmetric Rigid Body Spring Model. <i>Construction and Building Materials</i> , 2019, 215, 886-897.	7.2	16
112	Service Life Prediction of Precast Concrete Structures Exposed to Chloride Environment. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-14.	0.7	9
113	High-repetition-rate laser-induced damage of indium tin oxide films and polyimide films at a 1064 nm wavelength. <i>Optical Materials Express</i> , 2019, 9, 911.	3.0	8
114	Rutile nanoparticles in anatase TiO ₂ thin films to improve their water splitting performance. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	1
115	[1 + 2 + 3] Annulation as a General Access to Indolo[3,2- <i>b</i>]carbazoles: Synthesis of Malasseziazole C. <i>Organic Letters</i> , 2019, 21, 166-169.	4.6	25
116	Blue/red dual color up-conversion emission from Tm ³⁺ , Yb ³⁺ co-activated nepheline particles derived from LTA zeolites. <i>Materials Research Express</i> , 2019, 6, 035022.	1.6	3
117	Meso-scale mechanical deterioration of mortar due to sodium chloride attack. <i>Cement and Concrete Composites</i> , 2019, 96, 163-173.	10.7	35
118	Effective iterative method for accurate amplitude modulation in complex optical field generation. <i>Optical Engineering</i> , 2019, 58, 1.	1.0	2
119	Mn ⁴⁺ activated Al ₂ O ₃ red-emitting ceramic phosphor with excellent thermal conductivity. <i>Optics Express</i> , 2019, 27, 32666.	3.4	23
120	One-to-many optical information encryption transmission method based on temporal ghost imaging and code division multiple access. <i>Photonics Research</i> , 2019, 7, 1370.	7.0	14
121	Detour phase Talbot array illuminator. <i>Chinese Optics Letters</i> , 2019, 17, 070501.	2.9	6
122	Investigation on damage process of indium tin oxide film induced by 1064nm quasi-CW laser. , 2019, , .		0
123	Research on spectral reflectance reconstruction based on compressive sensing by a gradual modulation wheel. <i>Journal of Optical Technology (A Translation of Opticheski Zhurnal)</i> , 2019, 86, 647.	0.4	1
124	Precise Blaze Angle Adjustment of Echelle Grating by Self-Shadowing Rotating Mask. <i>IEEE Photonics Journal</i> , 2018, 10, 1-7.	2.0	2
125	Alignment and counting of mitochondria based on capillary electrophoresis. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 110-114.	7.8	13
126	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.	2.3	13

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127	Thermal annealing induced the tunable optical properties of silver thin films with linear variable thickness. Superlattices and Microstructures, 2018, 118, 170-176.	3.1	7
128	Plasmonic slow light waveguide with hyperbolic metamaterials claddings. Journal of Optics (United Kingdom), 2018, 16, 160101.	2.2	16
129	Single Plasmonic Structure Enhanced Dual-band Room Temperature Infrared Photodetection. Scientific Reports, 2018, 8, 1548.	3.3	14
130	Photo-catalysis water splitting by platinum-loaded zeolite A. Materials Research Express, 2018, 5, 055506.	1.6	3
131	Two-dimensional rigid body spring method based micro-mesoscale study of mechanical strengthening/damaging effects to concrete by frost action. Structural Concrete, 2018, 19, 1131-1145.	3.1	23
132	Laser irradiation induced tunable localized surface plasmon resonance of silver thin film. Optical Materials, 2018, 77, 198-203.	3.6	18
133	Miniaturized gel electrophoresis system for fast separation of nucleic acids. Sensors and Actuators B: Chemical, 2018, 254, 153-158.	7.8	15
134	Cover separation of CFRP strengthened beam-type cantilevers with steel bolt anchorage. Engineering Structures, 2018, 156, 224-234.	5.3	22
135	Thickness-dependent surface plasmon resonance of ITO nanoparticles for ITO/In-Sn bilayer structure. Nanotechnology, 2018, 29, 015705.	2.6	5
136	Property Improvement of α -Amylase from <i>Bacillus stearothermophilus</i> by Deletion of Amino Acid Residues Arginine 179-Glycine 180. Food Technology and Biotechnology, 2018, 56, 58-64.	2.1	16
137	Smartphone based Pentraxin 3 enzyme-linked immunosorbent assay for point-of-care cardiovascular disease monitoring. , 2018, , .		0
138	Miniaturization for Dual-Beam Super-Resolution Optical Data Storage System with Ultra-High Capacities. , 2018, , .		0
139	Synthesis of Multi-Substituted Pyrrole Derivatives Through [3+2] Cycloaddition with Tosylmethyl Isocyanides (TosMICs) and Electron-Deficient Compounds. Molecules, 2018, 23, 2666.	3.8	39
140	Systematic Screening of Optimal Signal Peptides for Secretory Production of Heterologous Proteins in <i>Bacillus subtilis</i> . Journal of Agricultural and Food Chemistry, 2018, 66, 13141-13151.	5.2	54
141	Metabolic engineering of <i>Escherichia coli</i> for de novo biosynthesis of vitamin B12. Nature Communications, 2018, 9, 4917.	12.8	99
142	Dual-Band Perfect Metamaterial Absorber Based on an Asymmetric H-Shaped Structure for Terahertz Waves. Materials, 2018, 11, 2193.	2.9	17
143	Defect-Induced Tunable Permittivity of Epsilon-Near-Zero in Indium Tin Oxide Thin Films. Nanomaterials, 2018, 8, 922.	4.1	20
144	Polarization Controllable Device for Simultaneous Generation of Surface Plasmon Polariton Bessel-Like Beams and Bottle Beams. Nanomaterials, 2018, 8, 975.	4.1	13

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145	Ring Wrinkle Patterns with Continuously Changing Wavelength Produced Using a Controlled-Gradient Light Field. <i>Materials</i> , 2018, 11, 1571.	2.9	6
146	Study on an optical encryption algorithm based on compressive ghost imaging and super-resolution reconstruction. <i>Laser Physics</i> , 2018, 28, 125202.	1.2	2
147	Elastomeric Microlens Arrays With Tunable Focal Length. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 1952-1955.	2.5	2
148	Controllable optical properties between Ho ³⁺ : 5I ₇ and Tm ³⁺ : 3F ₄ transitions in germanosilicate glasses. <i>Infrared Physics and Technology</i> , 2018, 94, 156-160.	2.9	3
149	Excitation of in-plane surface plasmon polariton bottle beams by multiple-incident-light illumination. <i>Applied Physics Express</i> , 2018, 11, 072003.	2.4	3
150	Design, Synthesis, and Biological Evaluation of the Sex Pheromone of the Asian Corn Borer, <i>Ostrinia furnacalis</i> (Guenée). <i>Journal of Chemistry</i> , 2018, 2018, 1-7.	1.9	4
151	The effect of electrophoretic parameters on separation performance of short DNA fragments. <i>Analytical Biochemistry</i> , 2018, 556, 99-103.	2.4	4
152	Ultrathin Terahertz Dual-Band Perfect Metamaterial Absorber Using Asymmetric Double-Split Rings Resonator. <i>Symmetry</i> , 2018, 10, 293.	2.2	17
153	Fabrication of polymer microlens array with controllable focal length by modifying surface wettability. <i>Optics Express</i> , 2018, 26, 4172.	3.4	29
154	Dynamic tailoring of surface plasmon polaritons through incident angle modulation. <i>Optics Express</i> , 2018, 26, 9772.	3.4	17
155	Study on the Key Technology of Image Transmission Mechanism Based on Channel Coding Ghost Imaging. <i>IEEE Photonics Journal</i> , 2018, 10, 1-13.	2.0	29
156	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.	4.8	8
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