Dawei Zhang

List of Publications by Year
in descending order

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233	3,654	147801	243625
papers	citations	31 h-index	44 g-index

235	235	235	3367
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metabolic engineering of Escherichia coli for de novo biosynthesis of vitamin B12. Nature Communications, 2018, 9, 4917.	12.8	99
2	Empirical Estimation of Pore Size Distribution in Cement, Mortar, and Concrete. Journal of Materials in Civil Engineering, 2014, 26, .	2.9	85
3	Experimental investigation of the deformational behavior of the interfacial transition zone (ITZ) in concrete during freezing and thawing cycles. Construction and Building Materials, 2014, 65, 122-131.	7.2	74
4	Durability of FRP Concrete Bonds and Its Constituent Properties under the Influence of Moisture Conditions. Journal of Materials in Civil Engineering, 2015, 27, .	2.9	71
5	Synthesis of Imidazole-Based Medicinal Molecules Utilizing the van Leusen Imidazole Synthesis. Pharmaceuticals, 2020, 13, 37.	3.8	71
6	Stress Analysis for Concrete Materials under Multiple Freeze-Thaw Cycles. Journal of Advanced Concrete Technology, 2015, 13, 124-134.	1.8	69
7	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.	6.0	67
8	Biosensor-Based Evolution and Elucidation of a Biosynthetic Pathway in Escherichia coli. ACS Synthetic Biology, 2017, 6, 837-848.	3.8	64
9	Colour compound lenses for a portable fluorescence microscope. Light: Science and Applications, 2019, 8, 75.	16.6	61
10	Rapid quantitative detection of chloramphenicol in milk by microfluidic immunoassay. Food Chemistry, 2021, 339, 127857.	8.2	60
11	Structural behaviour of pre-damaged reinforced concrete beams strengthened with natural fibre reinforced polymer composites. Composite Structures, 2020, 244, 112309.	5.8	57
12	Recent Advances in the Synthesis of Oxazole-Based Molecules via van Leusen Oxazole Synthesis. Molecules, 2020, 25, 1594.	3.8	56
13	Systematic Screening of Optimal Signal Peptides for Secretory Production of Heterologous Proteins in Bacillus subtilis. Journal of Agricultural and Food Chemistry, 2018, 66, 13141-13151.	5.2	54
14	High-Efficiency Secretion of Î²-Mannanase in Bacillus subtilis through Protein Synthesis and Secretion Optimization. Journal of Agricultural and Food Chemistry, 2017, 65, 2540-2548.	5.2	53
15	A flux-adaptable pump-free microfluidics-based self-contained platform for multiplex cancer biomarker detection. Lab on A Chip, 2021, 21, 143-153.	6.0	53
16	Mesoscale Simulation of Deformation for Mortar and Concrete under Cyclic Freezing and Thawing Stress. Journal of Advanced Concrete Technology, 2015, 13, 291-304.	1.8	52
17	Experimental Study on Shear Behavior of Reinforced-Concrete Members Fully Wrapped with Large Rupture-Strain FRP Composites. Journal of Composites for Construction, 2014, 18, .	3.2	51
18	The development of a portable buoyancy-driven PCR system and its evaluation by capillary electrophoresis. Sensors and Actuators B: Chemical, 2016, 230, 779-784.	7.8	49

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19	Mesoscale simulation of fatigue behavior of concrete materials damaged by freeze-thaw cycles. Construction and Building Materials, 2017, 144, 702-716.	7.2	46
20	Hamiltonian Hopping for Efficient Chiral Mode Switching in Encircling Exceptional Points. Physical Review Letters, 2020, 125, 187403.	7.8	44
21	Effect of natural fibre reinforced polymers on confined compressive strength of concrete. Construction and Building Materials, 2019, 223, 156-164.	7.2	41
22	All-Dielectric Synthetic-Phase Metasurfaces Generating Practical Airy Beams. ACS Nano, 2021, 15, 1030-1038.	14.6	41
23	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
24	Change of the Coefficient of Thermal Expansion of Mortar Due to Damage by Freeze Thaw Cycles. Journal of Advanced Concrete Technology, 2013, 11, 333-346.	1.8	38
25	Tunable guided-mode resonance filter with a gradient grating period fabricated by casting a stretched PDMS grating wedge. Optics Letters, 2016, 41, 5302.	3.3	37
26	Deep-red emitting Mg2TiO4:Mn4+ phosphor ceramics for plant lighting. Journal of Advanced Ceramics, 2021, 10, 88-97.	17.4	37
27	Concrete cover separation failure of overlay-strengthened reinforced concrete beams. Construction and Building Materials, 2012, 26, 735-745.	7.2	36
28	Meso-scale mechanical deterioration of mortar due to sodium chloride attack. Cement and Concrete Composites, 2019, 96, 163-173.	10.7	35
29	A weakly supervised framework for abnormal behavior detection and localization in crowded scenes. Neurocomputing, 2020, 383, 270-281.	5.9	35
30	Meso-scale Mechanical Model for Mortar Deformation under Freeze Thaw Cycles. Journal of Advanced Concrete Technology, 2013, 11, 49-60.	1.8	34
31	Ultrasound and Near-Infrared Light Dual-Triggered Upconversion Zeolite-Based Nanocomposite for Hyperthermia-Enhanced Multimodal Melanoma Therapy via a Precise Apoptotic Mechanism. ACS Applied Materials & Interfaces, 2020, 12, 32420-32431.	8.0	32
32	Fabrication of a Microlens Array with Controlled Curvature by Thermally Curving Photosensitive Gel Film beneath Microholes. ACS Applied Materials & Interfaces, 2017, 9, 16604-16609.	8.0	31
33	Multiple-image encryption scheme based on ghost imaging of Hadamard matrix and spatial multiplexing. Applied Physics B: Lasers and Optics, 2019, 125, 1.	2.2	31
34	Modeling and Mesoscale Simulation of Ice-Strengthened Mechanical Properties of Concrete at Low Temperatures. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	29
35	Fabrication of polymer microlens array with controllable focal length by modifying surface wettability. Optics Express, 2018, 26, 4172.	3.4	29
36	Study on the Key Technology of Image Transmission Mechanism Based on Channel Coding Ghost Imaging. IEEE Photonics Journal, 2018, 10, 1-13.	2.0	29

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37	Principle and potential applications of the non-classical protein secretory pathway in bacteria. Applied Microbiology and Biotechnology, 2020, 104, 953-965.	3.6	29
38	Advances on systems metabolic engineering of Bacillus subtilis as a chassis cell. Synthetic and Systems Biotechnology, 2020, 5, 245-251.	3.7	29
39	High-Efficiency, Broadband, Near Diffraction-Limited, Dielectric Metalens in Ultraviolet Spectrum. Nanomaterials, 2020, 10, 490.	4.1	29
40	Polarization-independent highly efficient generation of Airy optical beams with dielectric metasurfaces. Photonics Research, 2020, 8, 1148.	7.0	29
41	An operator-based expression toolkit for Bacillus subtilis enables fine-tuning of gene expression and biosynthetic pathway regulation. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119980119.	7.1	29
42	Durability Performances of Carbon Fiberâ€“Reinforced Polymer and Concrete-Bonded Systems under Moisture Conditions. Journal of Composites for Construction, 2016, 20, 04016023.	3.2	28
43	Second-Order Intensity-Correlated Imaging Through the Scattering Medium. IEEE Photonics Journal, 2017, 9, 1-7.	2.0	28
44	Ultraâ€Broadband Highâ€Efficiency Airy Optical Beams Generated with Allâ€Silicon Metasurfaces. Advanced Optical Materials, 2021, 9, .	7.3	27
45	Dynamic tailoring of an optical skyrmion lattice in surface plasmon polaritons. Optics Express, 2020, 28, 10320.	3.4	27
46	Intermediate Crack Debonding of Polymer Cement Mortar Overlay-Strengthened RC Beam. Journal of Materials in Civil Engineering, 2011, 23, 857-865.	2.9	26
47	[1 + 2 + 3] Annulation as a General Access to Indolo[3,2-b]carbazoles: Synthesis of Malasseziazole C. Organic Letters, 2019, 21, 166-169.	4.6	25
48	Estimation of Ice Content in Mortar Based on Electrical Measurements under Freeze-Thaw Cycle. Journal of Advanced Concrete Technology, 2016, 14, 35-46.	1.8	24
49	Observation of the Kinetic Inductance Limitation for the Fundamental Magnetic Resonance in Ultrasmall Gold vâ€Shape Split Ring Resonators. Advanced Optical Materials, 2016, 4, 1047-1052.	7.3	24
50	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.	10.7	24
51	Dynamic three-dimensional multifocal spots in high numerical-aperture objectives. Optics Express, 2017, 25, 24756.	3.4	24
52	Estimation of ice formation in mortar saturated with sodium chloride solutions. Construction and Building Materials, 2017, 144, 238-251.	7.2	23
53	Twoâ€dimensional rigid body spring method based microâ€mesoscale study of mechanical strengthening/damaging effects to concrete by frost action. Structural Concrete, 2018, 19, 1131-1145.	3.1	23
54	An achromatic metalens in the near-infrared region with an array based on a single nano-rod unit. Applied Physics Express, 2019, 12, 092003.	2.4	23

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55	Establishment of a Biosensor-based High-Throughput Screening Platform for Tryptophan Overproduction. ACS Synthetic Biology, 2021, 10, 1373-1383.	3.8	23
56	Mn⁴⁺activated Al₂O₃red-emitting ceramic phosphor with excellent thermal conductivity. Optics Express, 2019, 27, 32666.	3.4	23
57	Average Crack Spacing of Overlay-Strengthened RC Beams. Journal of Materials in Civil Engineering, 2011, 23, 1460-1472.	2.9	22
58	Cover separation of CFRP strengthened beam-type cantilevers with steel bolt anchorage. Engineering Structures, 2018, 156, 224-234.	5.3	22
59	SERS-active Agâ€“Al alloy nanoparticles with tunable surface plasmon resonance induced by laser ablation. Optical Materials, 2019, 96, 109298.	3.6	22
60	Ultrathin and broadband highly efficient terahertz reflective polarization converter based on four L-shaped metamaterials. Optical Materials, 2019, 95, 109230.	3.6	22
61	Polarization Insensitive, Broadband, Near Diffraction-Limited Metalens in Ultraviolet Region. Nanomaterials, 2020, 10, 1439.	4.1	22
62	Effects of Heat Treatment on Mechanical Properties of Jute Fiberâ€“Reinforced Polymer Composites for Concrete Confinement. Journal of Materials in Civil Engineering, 2020, 32, .	2.9	22
63	Meso-scale mechanical deterioration of mortar subjected to freeze thaw cycles and sodium chloride attack. Cement and Concrete Composites, 2021, 117, 103906.	10.7	22
64	Fully-functional semi-automated microfluidic immunoassay platform for quantitation of multiple samples. Sensors and Actuators B: Chemical, 2019, 300, 127017.	7.8	21
65	Expanding application of CRISPR-Cas9 system in microorganisms. Synthetic and Systems Biotechnology, 2020, 5, 269-276.	3.7	21
66	Interfacial Tensile Bond between Substrate Concrete and Repairing Mortar under Freeze-Thaw Cycles. Journal of Advanced Concrete Technology, 2016, 14, 421-432.	1.8	20
67	Defect-Induced Tunable Permittivity of Epsilon-Near-Zero in Indium Tin Oxide Thin Films. Nanomaterials, 2018, 8, 922.	4.1	20
68	Design and fabrication of portable continuous flow PCR microfluidic chip for DNA replication. Biomedical Microdevices, 2020, 22, 5.	2.8	19
69	Metabolic engineering of Escherichia coli for production of chemicals derived from the shikimate pathway. Journal of Industrial Microbiology and Biotechnology, 2020, 47, 525-535.	3.0	19
70	Laser irradiation induced tunable localized surface plasmon resonance of silver thin film. Optical Materials, 2018, 77, 198-203.	3.6	18
71	Photocatalytic performance of TiO2 thin film decorated with Cu2O nanoparticles by laser ablation. Optical Materials, 2019, 94, 130-137.	3.6	18
72	Tunable surface plasmon resonance of Al-Cu bimetallic nanoparticles thin films induced by pulsed-laser. Applied Surface Science, 2021, 540, 148397.	6.1	18

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73	Dual-Band Perfect Metamaterial Absorber Based on an Asymmetric H-Shaped Structure for Terahertz Waves. Materials, 2018, 11, 2193.	2.9	17
74	Ultrathin Terahertz Dual-Band Perfect Metamaterial Absorber Using Asymmetric Double-Split Rings Resonator. Symmetry, 2018, 10, 293.	2.2	17
75	Dynamic tailoring of surface plasmon polaritons through incident angle modulation. Optics Express, 2018, 26, 9772.	3.4	17
76	Oxygen flows-dependent photocatalytic performance in Ti3+ doped TiO2 thin films. Optical Materials, 2019, 95, 109224.	3.6	17
77	Engineering Escherichia coli to improve tryptophan production via genetic manipulation of precursor and cofactor pathways. Synthetic and Systems Biotechnology, 2020, 5, 200-205.	3.7	17
78	Photoluminescence properties of Tb3Al5O12:Ce3+, Mn2+ phosphor ceramics for high color rendering index warm white LEDs. Optical Materials, 2021, 111, 110670.	3.6	17
79	Tunable and Polarization-Independent Wedged Resonance Filter With 2D Crossed Grating. IEEE Photonics Technology Letters, 2016, 28, 2211-2214.	2.5	16
80	Accessing benzo[f]indole-4,9-diones via a ring expansion strategy: silver-catalyzed tandem reaction of tosylmethyl isocyanide (TosMIC) with 2-methyleneindene-1,3-diones. Tetrahedron, 2016, 72, 7926-7930.	1.9	16
81	Needle-like Co Mo O with multi-modal porosity for pseudocapacitors. Materials Chemistry and Physics, 2017, 198, 258-265.	4.0	16
82	Bond-Slip Models for FPR-Concrete Interfaces Subjected to Moisture Conditions. International Journal of Polymer Science, 2017, 2017, 1-14.	2.7	16
83	Plasmonic slow light waveguide with hyperbolic metamaterials claddings. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Overl	2.2	16
84	Property Improvement of Î±-Amylase from Bacillus stearothermophilus by Deletion of Amino Acid Residues Arginine 179-Glycine 180. Food Technology and Biotechnology, 2018, 56, 58-64.	2.1	16
85	Green emitting spinel/Ba2SiO4:Eu2+/spinel sandwich structure robust ceramic phosphor prepared by spark plasma sintering. Ceramics International, 2019, 45, 23643-23650.	4.8	16
86	Mesoscale simulation of bond behaviors between concrete and reinforcement under the effect of frost damage with axisymmetric Rigid Body Spring Model. Construction and Building Materials, 2019, 215, 886-897.	7.2	16
87	Synthesis and luminescence properties of color-tunable Ce, Mn co-doped LuAG transparent ceramics by sintering under atmospheric pressure. Ceramics International, 2021, 47, 9156-9163.	4.8	16
88	Automated classification of dual channel dental imaging of auto-fluorescence and white lightby convolutional neural networks. Journal of Innovative Optical Health Sciences, 2020, 13, .	1.0	16
89	Miniaturized gel electrophoresis system for fast separation of nucleic acids. Sensors and Actuators B: Chemical, 2018, 254, 153-158.	7.8	15
90	Diagnosis of mixed infections with swine viruses using an integrated microfluidic platform. Sensors and Actuators B: Chemical, 2020, 312, 128005.	7.8	15

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91	Hydrodynamically reconfigurable optofluidic microlens with continuous shape tuning from biconvex to biconcave. Optics Express, 2017, 25, 888.	3.4	14
92	Single Plasmonic Structure Enhanced Dual-band Room Temperature Infrared Photodetection. Scientific Reports, 2018, 8, 1548.	3.3	14
93	Surface enhanced Raman scattering of defective TiO2 thin film decorated with silver nanoparticles by laser ablation. Optical Materials, 2020, 109, 110338.	3.6	14
94	Research on image transmission mechanism through a multimode fiber based on principal component analysis. Optics and Lasers in Engineering, 2020, 134, 106197.	3.8	14
95	One-to-many optical information encryption transmission method based on temporal ghost imaging and code division multiple access. Photonics Research, 2019, 7, 1370.	7.0	14
96	Mesoscale simulation of concrete behavior with non-uniform frost damage with verification by CT imaging. Construction and Building Materials, 2017, 157, 203-213.	7.2	13
97	Hybrid modes in plasmonic cavity array for enhanced hot-electron photodetection. Optics Express, 2017, 25, 20268.	3.4	13
98	Alignment and counting of mitochondria based on capillary electrophoresis. Sensors and Actuators B: Chemical, 2018, 265, 110-114.	7.8	13
99	Factors affecting the separation performance of proteins in capillary electrophoresis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1083, 63-67.	2.3	13
100	Polarization Controllable Device for Simultaneous Generation of Surface Plasmon Polariton Bessel-Like Beams and Bottle Beams. Nanomaterials, 2018, 8, 975.	4.1	13
101	High Order Magnetic and Electric Resonant Modes of Split Ring Resonator Metasurface Arrays for Strong Enhancement of Mid-Infrared Photodetection. ACS Applied Materials & Interfaces, 2020, 12, 8835-8844.	8.0	13
102	Cracking Behavior of CFRP Laminate-Strengthened RC Beams with Premechanical and Postmechanical Environmental Damage. Journal of Composites for Construction, 2015, 19, .	3.2	12
103	The influence of dielectric environment on the localized surface plasmon resonance of silver-based composite thin films. Optical Materials, 2018, 83, 212-219.	3.6	12
104	Axial loading capacity of concreteâ€jacketed RC columns with preâ€and postâ€corrosion damage. Structural Concrete, 2016, 17, 355-364.	3.1	11
105	Difference of SERS ability from titanium oxide films by Ti3+ self-doping. Optical Materials, 2017, 73, 371-376.	3.6	11
106	Optical image compression and encryption transmission-based ondeep learning and ghost imaging. Applied Physics B: Lasers and Optics, 2020, 126, 1.	2.2	11
107	Laser induced the tunable permittivity of Epsilon-Near-Zero induced in indium tin oxide thin films. Optical Materials, 2020, 107, 110137.	3.6	11
108	High definition images transmission through single multimode fiber using deep learning and simulation speckles. Optics and Lasers in Engineering, 2021, 140, 106531.	3.8	11

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109	Plasmonic Holographic Metasurfaces for Generation of Vector Optical Beams. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	10
110	Composite Films of Polydimethylsiloxane and Micro-Graphite with Tunable Optical Transmittance. Applied Sciences (Switzerland), 2019, 9, 2402.	2.5	10
111	A multistrategy approach for improving the expression of E. coli phytase in Pichia pastoris. Journal of Industrial Microbiology and Biotechnology, 2020, 47, 1161-1172.	3.0	10
112	A Design Proposal for Concrete Cover Separation in Beams Strengthened by Various Externally Bonded Tension Reinforcements. Journal of Advanced Concrete Technology, 2012, 10, 285-300.	1.8	9
113	Closure to â€œEmpirical Estimation of Pore Size Distribution in Cement, Mortar, and Concreteâ€•by Fuyuan Gong, Dawei Zhang, Evdon Sicat, and Tamon Ueda. Journal of Materials in Civil Engineering, 2015, 27, .	2.9	9
114	Creation of an anti-imaging system using binary optics. Scientific Reports, 2016, 6, 33064.	3.3	9
115	Multiple-Image Encryption Mechanism Based on Ghost Imaging and Public Key Cryptography. IEEE Photonics Journal, 2019, 11, 1-14.	2.0	9
116	Service Life Prediction of Precast Concrete Structures Exposed to Chloride Environment. Advances in Civil Engineering, 2019, 2019, 1-14.	0.7	9
117	Effect of alumina addition on the microstructure and luminescence properties of BaAl2O4:Eu2+-Al2O3 green fluorescent composite ceramics fabricated by spark plasma sintering. Ceramics International, 2020, 46, 3801-3810.	4.8	9
118	Manipulation of Purine Metabolic Networks for Riboflavin Production in Bacillus subtilis. ACS Omega, 2020, 5, 29140-29146.	3.5	9
119	Structural behaviors evaluation of RC beam under frost damage â€“ A methodology with meso-macro material/bond simulation and integrating into structural analysis. Engineering Structures, 2020, 206, 110162.	5.3	9
120	Junction temperature measurement of alternating current light-emitting-diode by threshold voltage method. Frontiers of Optoelectronics, 2016, 9, 555-559.	3.7	8
121	The design of LED rectangular uniform illumination lens system. Optik, 2017, 144, 251-256.	2.9	8
122	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.	3.1	8
123	Data Compression for Time-Stretch Imaging Based on Differential Detection and Run-Length Encoding. Journal of Lightwave Technology, 2017, 35, 5098-5104.	4.6	8
124	[3+2] Cycloaddition of Tosylmethyl Isocyanide with Styrylisoxazoles: Facile Access to Polysubstituted 3-(Isoxazol-5-yl)pyrroles. Molecules, 2017, 22, 1131.	3.8	8
125	Eu2+-activated blue-emitting glass phosphor derived from Eu3+ exchanged USY zeolites by thermal treatment in reducing atmosphere. Ceramics International, 2018, 44, 19547-19553.	4.8	8
126	Strategies for Applying Nonhomologous End Joining-Mediated Genome Editing in Prokaryotes. ACS Synthetic Biology, 2019, 8, 2194-2202.	3.8	8

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127	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.	3.0	8
128	The enhancement of nonlinear absorption of Ag thin film on laser induced defective MoOx buffer layer. Chemical Physics Letters, 2020, 754, 137727.	2.6	8
129	Multiscale Modeling and Simulation of Ice-Strengthening Effects in Mesocracks of Saturated Frost-Damaged Concrete under Freezing Temperature. Journal of Materials in Civil Engineering, 2021, 33, 04020443.	2.9	8
130	Prediction of Ultrasonic Pulse Velocity for Cement, Mortar, and Concrete through a Multiscale Homogenization Approach. Materials, 2022, 15, 3241.	2.9	8
131	A method for selecting training samples based on camera response. Laser Physics Letters, 2016, 13, 095201.	1.4	7
132	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
133	Al-induced tunable surface plasmon resonance of Ag thin film by laser irradiation. Applied Physics Express, 2019, 12, 085503.	2.4	7
134	Enhanced production of <scp>d</scp>â€psicose 3â€epimerase in Bacillus subtilis by regulation of segmented fermentation. Biotechnology and Applied Biochemistry, 2020, 67, 812-818.	3.1	7
135	High throughput DNA concentration determination system based on fluorescence technology. Sensors and Actuators B: Chemical, 2021, 328, 128904.	7.8	7
136	EGFR inhibitors regulate Ca2+ concentration and apoptosis after PM2.5 exposure based on a lung-mimic microfluidic system. Science of the Total Environment, 2021, 761, 143200.	8.0	7
137	Tailoring the free carrier and optoelectric properties of indium tin oxide film via quasi-continuous-wave laser annealing. Applied Surface Science, 2021, 538, 148104.	6.1	7
138	Agâ€“Ag2O composite structure with tunable localized surface plasmon resonance as ultrastable, sensitive and cost-effective SERS substrate. Journal of Alloys and Compounds, 2020, 839, 155729.	5.5	7
139	Fabrication of large micro-structured high-numerical-aperture optofluidic compound eyes with tunable angle of view. Optics Express, 2018, 26, 33356.	3.4	7
140	Shift of the surface plasmon polariton interference pattern in symmetrical arc slit structures and its application to Rayleigh metallic particle trapping. Optics Express, 2020, 28, 21210.	3.4	7
141	Dynamical generation of multiple focal spot pairs with controllable position and polarization. Optics Express, 2020, 28, 26706.	3.4	7
142	Ring Wrinkle Patterns with Continuously Changing Wavelength Produced Using a Controlled-Gradient Light Field. Materials, 2018, 11, 1571.	2.9	6
143	Structural engineering of germanosilicate glass network for enhanced Bi: NIR luminescence. Optical Materials, 2019, 95, 109222.	3.6	6
144	MoS2 induced the enhancement of nonlinear absorption of Ag thin film. Physica B: Condensed Matter, 2020, 591, 412261.	2.7	6

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145	Experimental Examination of Electrical Characteristics for Portland Cement Mortar Frost Damage Evaluation. Materials, 2020, 13, 1258.	2.9	6
146	Analyzing the genetic characteristics of a tryptophan-overproducing Escherichia coli. Bioprocess and Biosystems Engineering, 2021, 44, 1685-1697.	3.4	6
147	Metabolic profiling analysis of the vitamin B₁₂ producer Propionibacterium freudenreichii. MicrobiologyOpen, 2021, 10, e1199.	3.0	6
148	Mesoscale study of water transport in mortar influenced by sodium chloride. Journal of Asian Concrete Federation, 2016, 2, 1.	2.2	6
149	Detour phase Talbot array illuminator. Chinese Optics Letters, 2019, 17, 070501.	2.9	6
150	Assessment of Spoilage Microbiota of Rainbow Trout (Oncorhynchus mykiss) during Storage by 16S rDNA Sequencing. Journal of Food Quality, 2022, 2022, 1-10.	2.6	6
151	Tailorable Elastomeric Grating With Tunable Groove Density Gradient. IEEE Photonics Journal, 2017, 9, 1-6.	2.0	5
152	Laser induced photocatalytic activity enhancement of TiO_2 thin films. Optics Express, 2017, 25, A1132.	3.4	5
153	Thickness-dependent surface plasmon resonance of ITO nanoparticles for ITO/In-Sn bilayer structure. Nanotechnology, 2018, 29, 015705.	2.6	5
154	A facile way to obtain LuAG:Ce3+ transparent ceramic phosphor and a LuAG:Ce3+/Al ceramic metal integration structure. Materials Research Express, 2019, 6, 116214.	1.6	5
155	Broadband Absorption Tailoring of SiO2/Cu/ITO Arrays Based on Hybrid Coupled Resonance Mode. Nanomaterials, 2019, 9, 852.	4.1	5
156	White emitting aluminosilicate glass phosphors derived from Dy3+, Ag+ co-exchanged LTA zeolite. Ceramics International, 2020, 46, 28933-28938.	4.8	5
157	Laser patterning induced the tunability of nonlinear optical property in silver thin films. Chemical Physics Letters, 2020, 751, 137535.	2.6	5
158	Graphene-based dynamically tunable absorbers through guided mode resonance. Superlattices and Microstructures, 2020, 144, 106550.	3.1	5
159	Signal Recognition Particle Suppressor Screening Reveals the Regulation of Membrane Protein Targeting by the Translation Rate. MBio, 2021, 12, .	4.1	5
160	Fatigue damage analysis of prefabricated concrete composite beams based on metal magnetic memory technique. Journal of Magnetism and Magnetic Materials, 2022, 544, 168722.	2.3	5
161	Omnidirectional and compact transmissive chromatic polarizers based on a dielectric-metal-dielectric structure. Optics Express, 2020, 28, 25073.	3.4	5
162	Study on the key technology of spectral reflectivity reconstruction based on sparse prior by a single-pixel detector. Photonics Research, 2016, 4, 115.	7.0	4

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163	Influence of photoresist layer on unetched guided mode resonance filter. Journal of Optics (India), 2016, 45, 302-306.	1.7	4
164	Visible and Near-Infrared Hyper-Spectral Imaging for the Identification of the Type of Wax on Pears. Journal of Food Processing and Preservation, 2017, 41, e12749.	2.0	4
165	Portable organic gas detection sensor based on the effect of guided-mode resonance. AIP Advances, 2017, 7, .	1.3	4
166	Optofluidic Tunable Linear Narrow-Band Filter Based on Bragg Nanocavity. IEEE Photonics Journal, 2017, 9, 1-8.	2.0	4
167	Ultra-Broadband Excitations of Plasmonic Waveguides by Bowtie Apertures. Plasmonics, 2017, 12, 1257-1262.	3.4	4
168	Design, Synthesis, and Biological Evaluation of the Sex Pheromone of the Asian Corn Borer, Ostrinia furnacalis (GuenÃ©e). Journal of Chemistry, 2018, 2018, 1-7.	1.9	4
169	The effect of electrophoretic parameters on separation performance of short DNA fragments. Analytical Biochemistry, 2018, 556, 99-103.	2.4	4
170	Hyper-secretion mechanism exploration of a heterologous creatinase in Bacillus subtilis. Biochemical Engineering Journal, 2020, 153, 107419.	3.6	4
171	Fabrication and photocatalytic property of MoOx nano-particle films from Mo target by laser ablation at ambient conditions. Optical Materials, 2020, 99, 109589.	3.6	4
172	Analytical model for concrete cover separation of FRP strengthened RC beams with multiple steel bolts. Structural Concrete, 2021, 22, 183-197.	3.1	4
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