

Sailing He

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

983
papers

27,295
citations

77
h-index

131
g-index

1,077
ext. papers

32,155
ext. citations

3.6
avg, IF

7.5
L-index

#	Paper	IF	Citations
983	100-m/3-Gbps underwater wireless optical transmission using a wideband photomultiplier tube (PMT).. <i>Optics Express</i> , 2022 , 30, 2326-2337	3.3	4
982	Compact photoacoustic spectrophone for simultaneously monitoring the concentrations of dichloromethane and trichloromethane with a single acoustic resonator.. <i>Optics Express</i> , 2022 , 30, 7053-7067	3.3	2
981	Highly Efficient Multiple Watt Gain-Switched 1.7 μ m All-Fiber Laser Pumped by 1.6 μ m Harmonic Dissipative Soliton Resonance Pulses. <i>IEEE Photonics Journal</i> , 2022 , 14, 1-7	1.8	
980	High-precision four-dimensional hyperspectral imager integrating fluorescence spectral detection and 3D surface shape measurement.. <i>Applied Optics</i> , 2022 , 61, 2542-2551	1.7	0
979	Ultrahigh extinction ratio and ultra-low insertion loss silicon TE polarizer covering 1260-1675 nm bandwidth.. <i>Optics Letters</i> , 2022 , 47, 2065-2068	3	0
978	Incoherent broadband cavity-enhanced absorption spectroscopy for sensitive measurement of nutrients and microalgae.. <i>Applied Optics</i> , 2022 , 61, 3400-3408	1.7	1
977	Experimental Demonstration of 55-m / 2-Gbps Underwater Wireless Optical Communication Using SiPM Diversity Reception and Nonlinear Decision-Feedback Equalizer. <i>IEEE Access</i> , 2022 , 10, 47814-47823	3.5	1
976	Determination of geographic origins and types of <i>Lindera aggregata</i> samples using a portable short-wave infrared hyperspectral imager. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 121370	4.4	1
975	Polymer-based planar waveguide chirped Bragg grating for high-resolution tactile sensing. <i>Optics Express</i> , 2022 , 30, 20871	3.3	1
974	50- μ m thick flexible dopant-free interdigitated-back-contact silicon heterojunction solar cells with front MoOx coatings for efficient antireflection and passivation. <i>Optics Express</i> , 2022 , 30, 21309	3.3	1
973	Pipette-Tip-Enabled Digital Nucleic Acid Analyzer for COVID-19 Testing with Isothermal Amplification. <i>Analytical Chemistry</i> , 2021 , 93, 15288-15294	7.8	3
972	Full-color enhanced second harmonic generation using rainbow trapping in ultrathin hyperbolic metamaterials. <i>Nature Communications</i> , 2021 , 12, 6425	17.4	8
971	Fiber acoustic sensor with stable operating-point based on a photo-thermal cavity. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	0
970	Optimized Colossal Near-Field Thermal Radiation Enabled by Manipulating Coupled Plasmon Polariton Geometry. <i>Advanced Materials</i> , 2021 , e2106097	24	7
969	Confocal hyperspectral microscopic imager for the detection and classification of individual microalgae. <i>Optics Express</i> , 2021 , 29, 37281-37301	3.3	0
968	Sub-3 nm Aluminum Nanocrystals Exhibiting Cluster-Like Optical Properties. <i>Small</i> , 2021 , 17, e2002524	11	7
967	Narrow-linewidth high-efficiency single-frequency ytterbium-doped fiber laser with highly linear polarization at 1064 nm. <i>Applied Optics</i> , 2021 , 60, 2833-2838	1.7	2

966	Reflectionless spatial beam benders with arbitrary bending angle by introducing optic-null medium into transformation optics*. <i>Chinese Physics B</i> , 2021 , 30, 034101	1.2	
965	Enhancing single photon emission through quasi-bound states in the continuum of monolithic hexagonal boron nitride metasurface. <i>JPhys Materials</i> , 2021 , 4, 035001	4.2	0
964	4D surface shape measurement system with high spectral resolution and great depth accuracy. <i>Optics Express</i> , 2021 , 29, 13048-13070	3.3	6
963	High-temperature ultra-broad UV/MIR high-efficiency absorber based on double ring-shaped titanium nitride resonators. <i>Optics Communications</i> , 2021 , 485, 126730	2	1
962	CNN-based classification of fNIRS signals in motor imagery BCI system. <i>Journal of Neural Engineering</i> , 2021 , 18,	5	6
961	Corrections to Design, Optimization, and Realization of a High Performance MOEMS Accelerometer From a Double-Device-Layer SOI Wafer [Aug 17 859-869]. <i>Journal of Microelectromechanical Systems</i> , 2021 , 30, 331-331	2.5	
960	fNIRS Signal Classification Based on Deep Learning in Rock-Paper-Scissors Imagery Task. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4922	2.6	2
959	Inelastic hyperspectral Scheimpflug lidar for microalgae classification and quantification. <i>Applied Optics</i> , 2021 , 60, 4778-4786	1.7	0
958	A Dual-Gas Sensor Using Photoacoustic Spectroscopy Based on a Single Acoustic Resonator. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5224	2.6	2
957	Pulse Train Triggered Single Dissipative Kerr Soliton in Microresonator and Application in Terahertz Rate Optical Clock Recovery. <i>Journal of Lightwave Technology</i> , 2021 , 39, 3511-3520	4	1
956	An Advanced Spectral/Spatial Classification Framework for Hyperspectral Imagery Based on DeepLab v3+. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 5703	2.6	4
955	Achromatic optical waveplates based on cellulose nanocrystals. <i>Cellulose</i> , 2021 , 28, 6983-6993	5.5	0
954	High Sensitivity Continuous Monitoring of Chloroform Gas by Using Wavelength Modulation Photoacoustic Spectroscopy in the Near-Infrared Range. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6992	2.6	4
953	Microwave Waveguide-Type Hyperbolic Metamaterials. <i>Advanced Photonics Research</i> , 2021 , 2, 2000043	1.9	4
952	Weather Forecasting Using Ensemble of Spatial-Temporal Attention Network and Multi-Layer Perceptron. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2021 , 57, 533-546	2.1	5
951	Planar hyper-lens with uniform pre-designed magnification factor by homogeneous medium. <i>Applied Physics Express</i> , 2021 , 14, 022007	2.4	1
950	Patterned few nanometer-thick silver films with high optical transparency and high electrical conductivity.. <i>RSC Advances</i> , 2021 , 11, 11481-11489	3.7	4
949	Fast Power Density Assessment of 5G Mobile Handset Using Equivalent Currents Method. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 1-1	4.9	4

948	Experimental demonstration of 50-m/5-Gbps underwater optical wireless communication with low-complexity chaotic encryption. <i>Optics Express</i> , 2021 , 29, 783-796	3.3	11
947	Tunable Mid-Infrared Dispersive Wave Generation of High-Efficiency and Broadband in a Suspended Thin-Film Lithium-Niobate-on-Insulator Waveguide. <i>IEEE Access</i> , 2021 , 9, 38419-38426	3.5	0
946	Widely Wavelength-Tunable High Power Single-Longitudinal-Mode Fiber Laser in Mid-Infrared Waveband. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2073	2.6	0
945	. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-9	1.8	6
944	A Comprehensive Performance Comparison of DFT-S DMT and QAM-DMT in UOWC System in Different Water Environments. <i>IEEE Photonics Journal</i> , 2021 , 13, 1-11	1.8	2
943	In-Situ Testing of Methane Emissions from Landfills Using Laser Absorption Spectroscopy. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2117	2.6	1
942	LiNbO waveguide with embedded Ag nanowire and 3L MoS for strong light confinement and ultra-long propagation length in the visible spectral range. <i>Optics Express</i> , 2021 , 29, 7168-7178	3.3	
941	Rotational hyperspectral scanner and related image reconstruction algorithm. <i>Scientific Reports</i> , 2021 , 11, 3296	4.9	2
940	Aligning silver nanowire films with cellulose nanocrystal nematics. <i>Optical Materials Express</i> , 2021 , 11, 3321	2.6	0
939	Visible-blind and flexible metal-semiconductor-metal ultraviolet photodetectors based on sub-10-nm thick silver interdigital electrodes. <i>Optics Letters</i> , 2021 , 46, 4666-4669	3	1
938	Magnetically Enhanced Liquid SERS for Ultrasensitive Analysis of Bacterial and SARS-CoV-2 Biomarkers. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 735711	5.8	1
937	Machine learning classification of origins and varieties of <i>Tetrastigma hemsleyanum</i> using a dual-mode microscopic hyperspectral imager. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 261, 120054	4.4	5
936	ADVANCED PROGRESS ON (B) NONLINEARITY IN CHIP-SCALE PHOTONIC PLATFORMS (INVITED REVIEW). <i>Progress in Electromagnetics Research</i> , 2021 , 170, 17-62	3.8	3
935	A Resolution-Enhanced Digital Micromirror Device (DMD) Projection System. <i>IEEE Access</i> , 2021 , 9, 78153-78164	3.5	2
934	The Development of Brain Network in Males with Autism Spectrum Disorders from Childhood to Adolescence: Evidence from fNIRS Study. <i>Brain Sciences</i> , 2021 , 11,	3.4	7
933	Broadband Electromagnetic Wave Tunneling with Transmuted Material Singularity. <i>Physical Review Letters</i> , 2020 , 125, 207401	7.4	1
932	Light-Sheet Microscopy for Surface Topography Measurements and Quantitative Analysis. <i>Sensors</i> , 2020 , 20,	3.8	2
931	A Low-Profile Dual-Band Dual-Polarized Antenna With an AMC Reflector for 5G Communications. <i>IEEE Access</i> , 2020 , 8, 24072-24080	3.5	22

930	Compact broadband circularly polarized UHF RFID tag antenna for metallic mounting. <i>Journal of Electromagnetic Waves and Applications</i> , 2020 , 34, 989-1001	1.3	1
929	Normal-Incidence-Excited Strong Coupling between Excitons and Symmetry-Protected Quasi-Bound States in the Continuum in Silicon Nitride-WS Heterostructures at Room Temperature. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 4631-4638	6.4	15
928	Characterization and Sensing of Inert Gases with a High-Resolution SPR Sensor. <i>Sensors</i> , 2020 , 20,	3.8	4
927	Surface Plasmon-Enhanced Optical Formaldehyde Sensor Based on CdSe@ZnS Quantum Dots. <i>ACS Sensors</i> , 2020 , 5, 1002-1009	9.2	20
926	Rapid synthesizing of gold nanobipyramids. <i>Materials Research Express</i> , 2020 , 7, 025029	1.7	
925	High-performance 90°hybrids based on MMI couplers in Si3N4 technology. <i>Optics Communications</i> , 2020 , 465, 125620	2	1
924	. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-10	1.8	1
923	A Simple High-Gain Millimeter-Wave Leaky-Wave Slot Antenna Based on a Bent Corrugated SIW. <i>IEEE Access</i> , 2020 , 8, 91999-92006	3.5	12
922	Stretching the spectra of Kerr frequency combs with self-adaptive boundary silicon waveguides. <i>Advanced Photonics</i> , 2020 , 2, 1	8.1	2
921	Elemental mercury sensing by synchronously sweeping two multimode diode lasers. <i>Applied Optics</i> , 2020 , 59, 3360-3368	1.7	2
920	Surface transformation multi-physics for controlling electromagnetic and acoustic waves simultaneously. <i>Optics Express</i> , 2020 , 28, 94-106	3.3	5
919	High peak-power and narrow-linewidth all-fiber Raman nanosecond laser in 1.65 μm waveband. <i>Optics Express</i> , 2020 , 28, 7175-7181	3.3	7
918	Designing conformal cloaks by manipulating structures directly in the physical space. <i>Optics Express</i> , 2020 , 28, 23105-23113	3.3	1
917	In-situ dual-channel surface plasmon resonance fiber sensor for temperature-compensated detection of glucose concentration. <i>Optics Express</i> , 2020 , 28, 21046-21061	3.3	24
916	Classification, identification, and growth stage estimation of microalgae based on transmission hyperspectral microscopic imaging and machine learning. <i>Optics Express</i> , 2020 , 28, 30686-30700	3.3	22
915	Magnifying lens designed by optical conformal mapping. <i>Optics Express</i> , 2020 , 28, 36892-36901	3.3	2
914	Generation and manipulation of oil-in-water micro-droplets by confined thermocapillary microvortices. <i>Optics Letters</i> , 2020 , 45, 1998-2001	3	2
913	Perfect mid-infrared dual-band optical absorption realized by a simple lithography-free polar dielectric/metal double-layer nanostructure. <i>Optics Express</i> , 2020 , 28, 31414-31424	3.3	3

912	GENERATING PICOSECOND PULSES WITH THE LARGEST NUMBER OF LASING WAVELENGTHS BY AN ALL-FIBER OPTICAL PARAMETRIC OSCILLATOR. <i>Progress in Electromagnetics Research</i> , 2020 , 167, 11-17	3.8	5
911	DUAL-MODE HYPERSPECTRAL BIO-IMAGER WITH A CONJUGATED CAMERA FOR QUICK OBJECT-SELECTION AND FOCUSING. <i>Progress in Electromagnetics Research</i> , 2020 , 168, 133-143	3.8	7
910	DISTINGUISHING BIPOLAR DEPRESSION FROM MAJOR DEPRESSIVE DISORDER USING FNIRS AND DEEP NEURAL NETWORK. <i>Progress in Electromagnetics Research</i> , 2020 , 169, 73-86	3.8	9
909	A PARAMETER-FREE CALIBRATION PROCESS FOR A SCHEIMPFLUG LIDAR FOR VOLUMETRIC PROFILING. <i>Progress in Electromagnetics Research</i> , 2020 , 169, 117-127	3.8	2
908	Extending the Scanning Angle of a Phased-Array Antenna Using a Thin Radome of Curved Metasurface. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020 , 14, 1900624	2.5	1
907	SNR-enhanced temperature-insensitive microfiber humidity sensor based on upconversion nanoparticles and cellulose liquid crystal coating. <i>Sensors and Actuators B: Chemical</i> , 2020 , 305, 127517	8.5	7
906	Incident Power Density Assessment Study for 5G Millimeter-Wave Handset Based on Equivalent Currents Method 2020 ,		2
905	Multi-mode Microscopic Hyperspectral Imager for the Sensing of Biological Samples. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4876	2.6	9
904	A NOVEL MILLIMETER-WAVE BACKWARD TO FORWARD SCANNING PERIODIC LEAKY-WAVE ANTENNA BASED ON TWO DIFFERENT RADIATOR TYPES. <i>Progress in Electromagnetics Research</i> , 2020 , 168, 31-38	3.8	4
903	Controllable Droplet Generators by Light-Heat Energy Conversion for Selective Particle Encapsulation. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-9	1.8	1
902	Low-Index-Contrast Dielectric Lattices on Metal for Refractometric Sensing. <i>Advanced Optical Materials</i> , 2020 , 8, 2000877	8.1	6
901	Multi-AI competing and winning against humans in iterated Rock-Paper-Scissors game. <i>Scientific Reports</i> , 2020 , 10, 13873	4.9	2
900	Turning a hot spot into a cold spot: polarization-controlled Fano-shaped local-field responses probed by a quantum dot. <i>Light: Science and Applications</i> , 2020 , 9, 166	16.7	5
899	Implications of Incident Power Density Limits on Power and EIRP Levels of 5G Millimeter-Wave User Equipment. <i>IEEE Access</i> , 2020 , 8, 148214-148225	3.5	15
898	A Broadband High-Gain Circularly Polarized Wide Beam Scanning Leaky-Wave Antenna. <i>IEEE Access</i> , 2020 , 8, 171091-171099	3.5	3
897	Leaky-Wave Antenna With Wide Scanning Range Based on Double-Layer Substrate Integrated Waveguide. <i>IEEE Access</i> , 2020 , 8, 199899-199908	3.5	3
896	Self-Adaptive Waveguide Boundary for Inter-Mode Four-Wave Mixing. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2020 , 26, 1-8	3.8	1
895	Experimental Demonstration of an Anti-Shake Hyperspectral Imager of High Spatial Resolution and Low Cost. <i>IEEE Sensors Journal</i> , 2020 , 20, 8082-8090	4	6

894	Enabling Ultrathin Metamaterial Absorbers with Narrow Slits. <i>Advanced Optical Materials</i> , 2020 , 8, 2000259	25.9	7
893	Preparation and liquid crystal phase properties of discotic cellulose nanoparticles. <i>Cellulose</i> , 2019 , 26, 9543-9552	5.5	
892	Upconversion enhancement by a dual-resonance all-dielectric metasurface. <i>Nanoscale</i> , 2019 , 11, 1856-1862	18.62	20
891	An Ethanol Vapor Sensor Based on a Microfiber with a Quantum-Dot Gel Coating. <i>Sensors</i> , 2019 , 19,	3.8	4
890	Full space destructive interference by acoustic-null medium. <i>Applied Physics Express</i> , 2019 , 12, 074003	2.4	1
889	An Acoustic Metamaterial Lens for Acoustic Point-to-Point Communication in Air. <i>Acoustical Physics</i> , 2019 , 65, 1-6	1.1	7
888	Thermal management with a highly emissive and thermally conductive graphite absorber. <i>AIP Advances</i> , 2019 , 9, 025224	1.5	1
887	SHG-enhanced NIR-excited photodynamic therapy using composite nanoparticles of barium titanate and rose Bengal.. <i>RSC Advances</i> , 2019 , 9, 8056-8064	3.7	9
886	Analysis of Impacts of Expected RF EMF Exposure Restrictions on Peak EIRP of 5G User Equipment at 28 GHz and 39 GHz Bands. <i>IEEE Access</i> , 2019 , 7, 20996-21005	3.5	25
885	Polarization Evolution of a Vector Vortex Optical Field in a Strongly Nonlocal Nonlinear Medium. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-10	1.8	4
884	Detection of elemental mercury using a frequency-doubled diode laser with wavelength modulation spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 2019 , 125, 1	1.9	1
883	A highly stable optical humidity sensor. <i>Sensors and Actuators B: Chemical</i> , 2019 , 287, 329-337	8.5	16
882	Near-field heat transfer between graphene-Si grating heterostructures with multiple magnetic-polaritons coupling. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 134, 1119-1126	4.9	10
881	Radio Frequency Exposure Compliance of Multiple Antennas for Cellular Equipment Based on Semidefinite Relaxation. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2019 , 61, 327-336	2	15
880	Improving the Performance of Long Reach UOWC With Multiband DFT-Spread DMT. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 1315-1318	2.2	12
879	Controlled Multistep Self-Assembling of Colloidal Droplets at a Nematic Liquid Crystal-Air Interface. <i>Physical Review Letters</i> , 2019 , 123, 087801	7.4	5
878	Nano Energy, 2019 , 64, 103930	17.1	10
877	Colossal Enhancement of Near-Field Thermal Radiation Across Hundreds of Nanometers between Millimeter-Scale Plates through Surface Plasmon and Phonon Polaritons Coupling. <i>Nano Letters</i> , 2019 , 19, 8082-8088	11.5	26

876	Freeze-Facilitated Ligand Binding to Plasmonic Gold Nanorods. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900975	4.6	7
875	pH dependence of the chirality of nematic cellulose nanocrystals. <i>Scientific Reports</i> , 2019 , 9, 11290	4.9	15
874	Ultra-stable near-infrared Tm ³⁺ -doped upconversion nanoparticles for in vivo wide-field two-photon angiography with a low excitation intensity. <i>Journal of Innovative Optical Health Sciences</i> , 2019 , 12, 1950013	1.2	5
873	HIGH PERFORMANCE UHF RFID TAG ANTENNAS ON LIQUID-FILLED BOTTLES. <i>Progress in Electromagnetics Research</i> , 2019 , 165, 83-92	3.8	8
872	Overwater light-sheet Scheimpflug lidar system for an underwater three-dimensional profile bathymetry. <i>Applied Optics</i> , 2019 , 58, 7643-7648	1.7	4
871	400 mW narrow linewidth single-frequency fiber ring cavity laser in 2 um waveband. <i>Optics Express</i> , 2019 , 27, 15794-15799	3.3	22
870	Monolithic chip-scale structural color filters fabricated with simple UV lithography. <i>Optics Express</i> , 2019 , 27, 21646-21651	3.3	11
869	Channel competition in emitter-plasmon coupling. <i>Optics Express</i> , 2019 , 27, 30893-30908	3.3	2
868	Thermal surface transformation and its applications to heat flux manipulations. <i>Optics Express</i> , 2019 , 27, 33757-33767	3.3	11
867	Probabilistically Shaped 256-QAM-OFDM Transmission in Underwater Wireless Optical Communication System 2019 ,		5
866	Discrete multitone transmission for underwater optical wireless communication system using probabilistic constellation shaping to approach channel capacity limit. <i>Optics Letters</i> , 2019 , 44, 558-561	3	18
865	Broadband optical switch for multiple spatial modes based on a silicon densely packed waveguide array. <i>Optics Letters</i> , 2019 , 44, 907-910	3	11
864	Miniaturized optical fiber tweezers for cell separation by optical force. <i>Optics Letters</i> , 2019 , 44, 1868-1871		22
863	Meter-scale transparent conductive circuits based on silver nanowire networks for rigid and flexible transparent light-emitting diode screens. <i>Optical Materials Express</i> , 2019 , 9, 4483	2.6	5
862	Preparation of optical waveplates from cellulose nanocrystal nematics on patterned polydimethylsiloxane substrates. <i>Optical Materials Express</i> , 2019 , 9, 4614	2.6	3
861	Angular-spectrum modeling of focusing light inside scattering media by optical phase conjugation. <i>Optica</i> , 2019 , 6, 250-256	8.6	24
860	High-speed underwater wireless optical communications: from a perspective of advanced modulation formats [Invited]. <i>Chinese Optics Letters</i> , 2019 , 17, 100012	2.2	6
859	Generation of high-power 780 nm femtosecond pulses by an all-polarization-maintaining Er-doped fiber amplification system. <i>Applied Optics</i> , 2019 , 58, 4492-4496	1.7	1

858	Non-invasive and rapid pH monitoring for meat quality assessment using a low-cost portable hyperspectral scanner. <i>Meat Science</i> , 2019 , 152, 73-80	6.4	22
857	TWO-PHOTON LUMINESCENCE AND SECOND HARMONIC GENERATION OF SINGLE LAYER MOLYBDENUM DISULPHIDE NANOPROBE FOR NONBLEACHING AND NONBLINKING OPTICAL BIOIMAGING. <i>Progress in Electromagnetics Research</i> , 2019 , 166, 107-117	3.8	6
856	MODULATION ON SILICON FOR DATACOM: PAST, PRESENT, AND FUTURE (INVITED REVIEW). <i>Progress in Electromagnetics Research</i> , 2019 , 166, 119-145	3.8	5
855	A Dual-band Dual-polarized Antenna with AMC Reflector for 5G Base Stations 2019 ,		1
854	Compact broadband circularly-polarised antenna with a backed cavity for UHF RFID applications. <i>IET Microwaves, Antennas and Propagation</i> , 2019 , 13, 789-795	1.6	5
853	. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-9	1.8	5
852	Omnidirectional Conformal Cloak Without Geometrical Dispersion. <i>Physical Review Applied</i> , 2019 , 12,	4.3	3
851	A CAMOUFLAGE DEVICE WITHOUT METAMATERIALS. <i>Progress in Electromagnetics Research</i> , 2019 , 165, 107-117	3.8	14
850	Metasurface for Constructing a Stable High-Q Plano-Planar Open Cavity. <i>Advanced Optical Materials</i> , 2019 , 7, 1801339	8.1	0
849	High-Resolution Compact On-Chip Spectrometer Based on an Echelle Grating With Densely Packed Waveguide Array. <i>IEEE Photonics Journal</i> , 2019 , 11, 1-7	1.8	8
848	Illusion Optics: Disguising with Ordinary Dielectric Materials. <i>Advanced Materials</i> , 2019 , 31, e1805106	24	3
847	Spectral Control of Near-Field Thermal Radiation With Periodic Cross Resonance Metasurfaces. <i>IEEE Journal of Quantum Electronics</i> , 2018 , 54, 1-7	2	3
846	Shape-controlled of ten-nanometer-thick graphite and worm-like graphite by lithographic exfoliation. <i>Carbon</i> , 2018 , 135, 248-252	10.4	7
845	Hybrid optofluidics and three-dimensional manipulation based on hybrid photothermal waveguides. <i>NPG Asia Materials</i> , 2018 , 10, 340-351	10.3	25
844	Fluorescence resonance energy transfer (FRET) based nanoparticles composed of AIE luminogens and NIR dyes with enhanced three-photon near-infrared emission for in vivo brain angiography. <i>Nanoscale</i> , 2018 , 10, 10025-10032	7.7	35
843	Demonstration of 15-M 7.33-Gb/s 450-nm Underwater Wireless Optical Discrete Multitone Transmission Using Post Nonlinear Equalization. <i>Journal of Lightwave Technology</i> , 2018 , 36, 728-734	4	28
842	RF Compliance Study of Temperature Elevation in Human Head Model Around 28 GHz for 5G User Equipment Application: Simulation Analysis. <i>IEEE Access</i> , 2018 , 6, 830-838	3.5	34
841	Controlling lightwave in Riemann space by merging geometrical optics with transformation optics. <i>Scientific Reports</i> , 2018 , 8, 514	4.9	6

840	Reducing the dimensions of acoustic devices using anti-acoustic-null media. <i>Applied Physics Express</i> , 2018 , 11, 024301	2.4	1
839	Ultrathin nanostructured solar selective absorber based on a two-dimensional hemispherical shell array. <i>Applied Physics Letters</i> , 2018 , 112, 063903	3.4	4
838	Selective far-field addressing of coupled quantum dots in a plasmonic nanocavity. <i>Nature Communications</i> , 2018 , 9, 1705	17.4	15
837	Increasing Efficiency of a Wireless Energy Transfer System by Spatial Translational Transformation. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 3325-3332	7.2	5
836	Hybrid-cavity fabry-perot interferometer for multi-point relative humidity and temperature sensing. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 1937-1944	8.5	31
835	Broadband spectra translation between mid-infrared band and telecom band in a nonlinear silicon-based symmetric hybrid plasmonic waveguide. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2018 , 27, 1850022	0.8	2
834	Enhancing thermal radiation by graphene-assisted hBN/SiO hybrid structures at the nanoscale. <i>Optics Express</i> , 2018 , 26, A591-A601	3.3	19
833	Invisible gateway for both light waves and rays. <i>Optics Express</i> , 2018 , 26, 165-172	3.3	2
832	Lie Detection Using fNIRS Monitoring of Inhibition-Related Brain Regions Discriminates Infrequent but not Frequent Liars. <i>Frontiers in Human Neuroscience</i> , 2018 , 12, 71	3.3	5
831	Aggregation-Induced Emission Nanoparticles Encapsulated with PEGylated Nano Graphene Oxide and Their Applications in Two-Photon Fluorescence Bioimaging and Photodynamic Therapy in Vitro and in Vivo. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25037-25046	9.5	46
830	Experimental Demonstration of Remote and Compact Imaging Spectrometer Based on Mobile Devices. <i>Sensors</i> , 2018 , 18,	3.8	15
829	The design and implementation of a low-cost multispectral endoscopy through galvo scanning of a fiber bundle. <i>Optics Communications</i> , 2018 , 428, 1-6	2	7
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18	Analysis of the Green's function approach to one-dimensional inverse problems. II. Simultaneous reconstruction of two parameters. <i>Journal of Mathematical Physics</i> , 1994 , 35, 2315-2335	1.2	6
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