Harith Ahmad

List of Publications by Year in Descending Order

988 papers	10,128 citations	44 h-index	56 g-index
1,078 ext. papers	11,995 ext. citations	2 avg, IF	6.66 L-index

#	Paper	IF	Citations
988	Ti2C MXene for multi-wavelength enhancement in S-band Q-switched thulium doped fluoride fiber laser. *Optical Fiber Technology*, **2022**, 68, 102790	2.4	
987	Strain Sensor Based on Embedded Fiber Bragg Grating in Thermoplastic Polyurethane Using the 3D Printing Technology for Improved Sensitivity. *Photonic Sensors*, **2022**, 12, 1	2.3	3
986	Generation of Mode-Locked Thulium-Doped Fiber Laser in 2.0-□m Wavelength Operation by Polymer-Coated Iron Phosphorus Trisulfide (FePS3)-Based Saturable Absorber. *IEEE Journal of Quantum Electronics*, **2022**, 58, 1-8	2	0
985	Polarization response of planarized optical waveguides to determine the anisotropic complex refractive index of graphene oxide thin films.. *Applied Optics*, **2022**, 61, 744-750	1.7	0
984	L-band femtosecond fiber laser with Cu2Te-PVA thin film. *Laser Physics Letters*, **2022**, 19, 015101	1.5	
983	Thulium-doped fluoride mode-locked fiber laser based on nonlinear polarization rotation. *Optical and Quantum Electronics*, **2022**, 54, 1	2.4	0
982	Liquid phase exfoliation of hafnium diselenide and its role in initiating the mode-locked pulse laser at eye-safe wavelength region. *Optical Materials*, **2022**, 123, 111933	3.3	1
981	Arc-shaped fiber coated with Ta2AlC MAX phase as mode-locker for pulse laser generation in thulium/holmium doped fiber laser. *Optik*, **2022**, 252, 168508	2.5	0
980	Ti3C2 MXene as an optical modulator in a Thulium/Holmium-doped fiber laser. *Optics and Laser Technology*, **2022**, 149, 107802	4.2	0
979	Ultrasensitive parallel double-FPIs sensor based on Vernier effect and Type II fiber Bragg grating for simultaneous measurement of high temperature and strain. *Optics Communications*, **2022**, 508, 127717	2	0
978	Generation of four-wave mixing with nonlinear Vanadium-carbide (V2C)-deposited side-polished fiber (SPF) in 1.5- and 2.0-□m wavelength operation. *Optics and Laser Technology*, **2022**, 145, 107458	4.2	3
977	Generation of mode-locked pulses based on D-shaped fiber with CdTe as a saturable absorber in the C-band region.. *RSC Advances*, **2022**, 12, 8637-8646	3.7	
976	A High-Precision Extensometer System for Ground Displacement Measurement using Fiber Bragg Grating. *IEEE Sensors Journal*, **2022**, 1-1	4	0
975	Passively Q-switched 1.3□m bismuth doped-fiber laser based on transition metal dichalcogenides saturable absorbers. *Optical Fiber Technology*, **2022**, 69, 102851	2.4	1
974	Review: Dark pulse generation in fiber laser system. *Optics and Laser Technology*, **2022**, 151, 108056	4.2	0
973	Optical Fiber Sensor with Double Tubes for Accurate Strain and Temperature Measurement under High Temperature up to 1000 □C. *IEEE Sensors Journal*, **2022**, 1-1	4	0
972	Thermal release tape assisted mechanical exfoliation of pristine TMD and the performance of the exfoliated TMD saturable absorbers for Q-switched laser generation. *Optical Materials*, **2022**, 128, 112363	3.3	1

971	Development of polarization modulator using MXene thin film.. *Scientific Reports*, **2022**, 12, 6766	4.9	0
970	Enhancement of four-wave mixing and supercontinuum generations aided with dual arc-shaped fiber with 2D material. *IEEE Journal of Quantum Electronics*, **2022**, 1-1	2	
969	Layered gallium telluride for inducing mode-locked pulse laser in thulium/holmium-doped fiber. *Journal of Luminescence*, **2022**, 119002	3.8	0
968	L-cysteine grafted fiber-optic chemosensor for heavy metal detection. *Optical Fiber Technology*, **2022**, 71, 102938	2.4	0
967	Methodology for fabrication-tolerant planar directional couplers. *IEEE Photonics Journal*, **2022**, 1-1	1.8	
966	Generation of mode-locked thulium/holmium-doped fiber laser assisted by bismuthene/side polished fiber as saturable absorber. *Laser Physics Letters*, **2022**, 19, 075103	1.5	0
965	Double F-P interference optical fiber high temperature gas pressure sensor based on suspended core fiber. *IEEE Sensors Journal*, **2021**, 1-1	4	3
964	Signal Demodulation for Surface Plasmon Resonance Tilted Fiber Bragg Grating Based on Root Sum Squared Method. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 1-1	5.2	1
963	Tunable Spacing Dual-Wavelength Q-Switched Fiber Laser Based on Tunable FBG Device. *Photonics*, **2021**, 8, 524	2.2	2
962	The effect of carboxymethylcellulose host concentration on the performance of mode-locked pulsed laser generation. *Optical Materials*, **2021**, 122, 111699	3.3	0
961	An investigation on temperature sensitivity of conductive carbon coated fiber Bragg grating. *Results in Optics*, **2021**, 5, 100164	1	0
960	2□m passively mode-locked thulium-doped fiber lasers with TaAlC-deposited tapered and side-polished fibers. *Scientific Reports*, **2021**, 11, 21278	4.9	3
959	1.3□m dissipative soliton resonance generation in Bismuth doped fiber laser. *Scientific Reports*, **2021**, 11, 6356	4.9	2
958	Fabrication of a carbon nanotube/tungsten disulfide visible spectrum photodetector. *Applied Optics*, **2021**, 60, 2839-2845	1.7	0
957	1.9 □m mode-locked fiber laser based on evanescent field interaction with metallic vanadium diselenide (VSe2). *Optik*, **2021**, 230, 166280	2.5	4
956	Passively mode-locked thulium-holmium co-doped fiber laser using hybrid side polished fiber with MoWS2-rGO nanocomposite. *Optical Fiber Technology*, **2021**, 62, 102468	2.4	4
955	Niobium carbide (Nb2C) MXene as a saturable absorber to assist in the generation of a wavelength tunable passively Q-switched fiber laser. *Laser Physics Letters*, **2021**, 18, 065101	1.5	5
954	Performance of Nb2C MXene coated on tapered fiber as saturable absorber for the generation of Mode-Locked Erbium-Doped fiber laser. *Infrared Physics and Technology*, **2021**, 114, 103647	2.7	5

953	All-fibre phase shifter based on tapered fibre coated with MoWS2-rGO. *IET Optoelectronics*, **2021**, 15, 264	1.5	3
952	1.3 μm passively Q-Switched bismuth doped fiber laser using Nb2C saturable absorber. *Optical Materials*, **2021**, 116, 111087	3.3	3
951	Passively mode locked thulium and thulium/holmium doped fiber lasers using MXene NbC coated microfiber. *Scientific Reports*, **2021**, 11, 11652	4.9	7
950	2.08 μm Q-switched holmium fiber laser using niobium carbide-polyvinyl alcohol (Nb2C-PVA) as a saturable absorber. *Optics Communications*, **2021**, 490, 126888	2	3
949	Tunable Q-switched ytterbium-doped fibre laser with Nickel Oxide saturable absorber. *Indian Journal of Physics*, **2021**, 95, 361-366	1.4	1
948	All fiber temperature sensor based on light polarization measurement utilizing graphene coated tapered fiber. *Microwave and Optical Technology Letters*, **2021**, 63, 1314-1318	1.2	1
947	Double-side polished fiber for generation of mode-locked fiber lasers. *Optics Communications*, **2021** , 479, 126476	2	3
946	Vibration Mode Analysis for a Suspension Bridge by Using Low-Frequency Cantilever-Based FBG Accelerometer Array. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-8	5.2	10
945	Tunable Dual-Wavelength Bismuth Fiber Laser With 37.8-GHz Frequency Spacing. *Journal of Lightwave Technology*, **2021**, 1-1	4	1
944	Multivariate Regression Between Hounsfield Unit Shift, Tissue Temperature, and Tissue Contraction: A Feasibility Study of Computed Tomography Thermometry. *IEEE Transactions on Instrumentation and Measurement*, **2021**, 70, 1-9	5.2	
943	Laser-heated needle for biopsy tract ablation: In vivo study of rabbit liver biopsy. *Physica Medica*, **2021**, 82, 40-45	2.7	3
942	Label-free surface-plasmon resonance fiber grating biosensor for Hand-foot-mouth disease (EV-A71) detection. *Optik*, **2021**, 228, 166221	2.5	3
941	Cu2Te-PVA as saturable absorber for generating Q-switched erbium-doped fiber laser. *Optical and Quantum Electronics*, **2021**, 53, 1	2.4	1
940	3D-Printed Tilt Sensor Based on an Embedded Two-Mode Fiber Interferometer. *IEEE Sensors Journal*, **2021**, 21, 7565-7571	4	4
939	Generation of four-wave mixing in molybdenum ditelluride (MoTe2)-deposited side-polished fibre. *Journal of Modern Optics*, **2021**, 68, 425-432	1.1	2
938	1.5 and 2.0 μm all-optical modulators based on niobium-carbide (Nb2C)-PVA film. *Laser Physics Letters*, **2021**, 18, 085103	1.5	0
937	Lithium-Ion Battery State of Charge (SoC) Estimation with Non-Electrical parameter using Uniform Fiber Bragg Grating (FBG). *Journal of Energy Storage*, **2021**, 40, 102704	7.8	10
936	Biaxial 3D-Printed Inclinometer Based on Fiber Bragg Grating Technology. *IEEE Sensors Journal*, **2021**, 21, 18815-18822	4	1

935	Mode-locked thulium/holmium-doped fiber laser with vanadium carbide deposited on tapered fiber. *Optical Fiber Technology*, **2021**, 65, 102589	2.4	1
934	Optical phase transition of Ge2Sb2Se4Te1 thin film using low absorption wavelength in the 1550 nm window. *Optical Materials*, **2021**, 120, 111450	3.3	1
933	MoTe2-PVA as saturable absorber for passively Q-switched thulium-doped fluoride and erbium-doped fiber laser. *Optik*, **2021**, 243, 167157	2.5	2
932	Graphene-chitin bio-composite polymer based mode locker at 2 micron region. *Optik*, **2021**, 245, 167710	2.5	1
931	Mode-locked thulium/holmium co-doped fiber laser using WTe2-covered tapered fiber. *Optik*, **2021**, 245, 167723	2.5	3
930	Thulium-holmium doped fiber laser mode-locking with hafnium disulfide (HfS2) coated on D-shaped fiber. *Optik*, **2021**, 246, 167785	2.5	
929	The performance of Ti2C MXene and Ti2AlC MAX Phase as saturable absorbers for passively mode-locked fiber laser. *Optical Fiber Technology*, **2021**, 67, 102683	2.4	3
928	Multi-wavelength Bismuth-doped fiber laser in 1.3□m based on a compact two-mode fiber filter. *Optics and Laser Technology*, **2021**, 144, 107390	4.2	1
927	Configurable TE- and TM-Pass Graphene Oxide-Coated Waveguide Polarizer. *IEEE Photonics Technology Letters*, **2020**, 1-1	2.2	5
926	Large polarization response of planarized optical waveguide functionalized with 2D material overlays. *Journal of Modern Optics*, **2020**, 67, 730-736	1.1	2
925	Electron beam deposited silver (Ag) saturable absorber as passive Q-switcher in 1.5- and 2-micron fiber lasers. *Optik*, **2020**, 207, 164455	2.5	4
924	Temporal and amplitude modulation at C-band region using Bi2Te3-based optical modulator. *Journal of Modern Optics*, **2020**, 67, 638-646	1.1	4
923	Graphene Oxide Functionalized Optical Planar Waveguide for Water Content Measurement in Alcohol. *Photonic Sensors*, **2020**, 10, 215-222	2.3	1
922	Stable multiwavelength semiconductor optical amplifier-based fiber laser using a 2-mode interferometer. *Microwave and Optical Technology Letters*, **2020**, 62, 3363-3368	1.2	3
921	All fiber normal dispersion mode locked ytterbium doped double-clad fiber laser using fiber taper with WS2-ZnO saturable absorber. *Optics and Laser Technology*, **2020**, 130, 106350	4.2	2
920	Tunable S+/S band Q-switched thulium-doped fluoride fiber laser using tungsten ditelluride (WTe2). *Results in Physics*, **2020**, 17, 103124	3.7	5
919	56 nm Wide-Band Tunable Q-Switched Erbium Doped Fiber Laser with Tungsten Ditelluride (WTe) Saturable Absorber. *Scientific Reports*, **2020**, 10, 9860	4.9	9
918	A Temperature-Controlled Laser Hot Needle With Grating Sensor for Liver Tissue Tract Ablation. *IEEE Transactions on Instrumentation and Measurement*, **2020**, 69, 7119-7124	5.2	8

917	Narrow bandwidth optimization using a polymer microring resonator in a thulium–holmium fiber laser cavity. *Optics Communications*, **2020**, 466, 125574	2	
916	Temperature and strain response of in-fiber air-cavity Fabry-Perot interferometer under extreme temperature condition. *Optik*, **2020**, 220, 165034	2.5	2
915	Generation of Q-switched Pulses in Thulium-doped and Thulium/Holmium-co-doped Fiber Lasers using MAX phase (TiAlC). *Scientific Reports*, **2020**, 10, 9233	4.9	13
914	Tunable passively Q-switched erbium-doped fiber laser based on Ti3C2Tx MXene as saturable absorber. *Optical Fiber Technology*, **2020**, 58, 102287	2.4	12
913	Thermal characterization of phase difference among the LP modes in two-mode fibers based on numerical approach. *Optik*, **2020**, 207, 164289	2.5	0
912	Nanolitre solution drop-casting for selective area graphene oxide coating on planar surfaces. *Materials Chemistry and Physics*, **2020**, 249, 122970	4.4	10
911	Q-switched fiber laser based on CdS quantum dots as a saturable absorber. *Results in Physics*, **2020**, 16, 103123	3.7	11
910	Q-?switched tunable ytterbium-doped fiber laser with molybdenum ditelluride-based saturable absorber. *Optical Engineering*, **2020**, 59, 1	1.1	1
909	Wide multiwavelength Brillouin-Raman fiber laser assisted by an arc-shaped fiber attenuator. *Applied Optics*, **2020**, 59, 1876-1884	1.7	5
908	Cascaded Fabry-Perot interferometer-regenerated fiber Bragg grating structure for temperature-strain measurement under extreme temperature conditions. *Optics Express*, **2020**, 28, 30478-30488	3.3	11
907	MoSSe-based passively modulated erbium doped fiber laser. *Laser Physics*, **2020**, 30, 095104	1.2	
906	Surface ablation of poly allyl diglycol carbonate polymer using high-repetition-rate femtosecond laser. *Optical Engineering*, **2020**, 59, 1	1.1	
905	Light modulation properties of GO-coated optical waveguide. *Laser Physics*, **2020**, 30, 095102	1.2	1
904	Spatial frequency spectrum of SPR-TFBG: A simple spectral analysis for in-situ refractometry. *Optik*, **2020**, 219, 164970	2.5	4
903	Gain-flattened hybrid EDFA operating in C + L band with parallel pumping distribution technique. *IET Optoelectronics*, **2020**, 14, 447-451	1.5	3
902	155 nm-wideband and tunable q-switched fiber laser using an MXene Ti3C2TX coated microfiber based saturable absorber. *Laser Physics Letters*, **2020**, 17, 085103	1.5	13
901	Passively Q-switched S+/S band fiber laser with copper telluride saturable absorber. *Laser Physics Letters*, **2020**, 17, 095102	1.5	7
900	Configurable triple wavelength semiconductor optical amplifier fiber laser using multiple broadband mirrors. *Microwave and Optical Technology Letters*, **2020**, 62, 46-52	1.2	2

899	All fiber multiwavelength Tm-doped double-clad fiber laser assisted by four-wave mixing in highly nonlinear fiber and Sagnac loop mirror. *Optics Communications*, **2020**, 456, 124589	2	8
898	Fiber Bragg Grating-Based Fabry-Perot Interferometer Sensor for Damage Detection on Thin Aluminum Plate. *IEEE Sensors Journal*, **2020**, 20, 3564-3571	4	6
897	Enhanced triple-pass hybrid erbium doped fiber amplifier using distribution pumping scheme in a dual-stage configuration. *Optik*, **2020**, 204, 164191	2.5	7
896	Generation of mode-locked noise-like pulses in double-clad Tm-doped fibre laser with nonlinear optical loop mirror. *Journal of Modern Optics*, **2020**, 67, 146-152	1.1	10
895	S/S+-band tunable dual-wavelength thulium doped fluoride fiber laser. *Infrared Physics and Technology*, **2020**, 105, 103168	2.7	0
894	Q-switched Thulium-doped fiber laser at 1860 nm and 1930 nm using a Holmium-doped fiber as an amplified spontaneous emission filter. *Optics and Laser Technology*, **2020**, 123, 105908	4.2	2
893	Q-Switched Fiber Laser at $1.5~mu$ m Region Using Ti3AlC2 MAX Phase-Based Saturable Absorber. *IEEE Journal of Quantum Electronics*, **2020**, 56, 1-6	2	10
892	Q-switched tunable fiber laser with aluminum oxide saturable absorber and Sagnac loop mirror. *Indian Journal of Physics*, **2020**, 95, 1887	1.4	1
891	Growth of magnetic binary metal oxides on reduced graphene oxide sheets and its application as saturable absorber in mode-locked Tm/Ho Co-doped fiber laser. *Optical Materials*, **2020**, 109, 110293	3.3	2
890	Soliton passively mode-locked pulses generation in thulium-holmium doped fiber laser (THDFL) with molybdenum oxide saturable absorber. *Optical Fiber Technology*, **2020**, 60, 102344	2.4	4
889	Frequency switching multiwavelength Brillouin Raman fibre laser based on feedback power adjustment technique. *Journal of Modern Optics*, **2020**, 67, 951-957	1.1	2
888	Reduced Graphene Oxide-Silver Nanoparticles for Optical Pulse Generation in Ytterbium- and Erbium-Doped Fiber Lasers. *Scientific Reports*, **2020**, 10, 9408	4.9	10
887	Application of two-dimensional materials in fiber laser systems **2020**, 227-264		2
886	Ultrasonic-assisted synthesis of Ti3AlC2-TiO2 composite and its application as a saturable absorber for generating the mode-locked pulses in thulium-holmium doped fiber laser. *Results in Optics*, **2020**, 1, 100018	1	2
885	Passively Q-switched thulium fluoride fiber laser operating in S-band region using N-doped graphene saturable absorber. *Indian Journal of Physics*, **2020**, 95, 1837	1.4	1
884	All-fiberized, mode-locked laser at 1.95□m using copper chalcogenide Cu2Te-based evanescent field interaction. *Optics Communications*, **2020**, 476, 126329	2	3
883	GeSe Evanescent Field Saturable Absorber for Mode-Locking in a Thulium/Holmium Fiber Laser. *IEEE Journal of Quantum Electronics*, **2020**, 56, 1-8	2	7
882	Multi- and dual-wavelength Thulium-doped fluoride fiber laser assisted by four-wave mixing in S-band region. *Infrared Physics and Technology*, **2020**, 111, 103485	2.7	2

881	68 MHz Fundamental Repetition Rates for Mode-Locked Erbium Doped Fiber Laser based Carbon Nanotube Saturable Absorber. *Journal of Physics: Conference Series*, **2020**, 1529, 042003	0.3	1
880	High photoresponsivity and external quantum efficiency of ultraviolet photodetection by mechanically exfoliated planar multi-layered graphene oxide sheet prepared using modified Hummers method and spin coating technique. *Materials Express*, **2020**, 10, 998-1009	1.3	1
879	Multiwavelength Brillouin Generation in Bismuth-Doped Fiber Laser With Single- and Double-Frequency Spacing. *Journal of Lightwave Technology*, **2020**, 38, 6886-6896	4	8
878	Tunable passively Q-switched thulium doped fluoride fibre (TDFF) laser using reduced graphene oxide-silver (rGO-Ag) as saturable absorber. *Journal of Modern Optics*, **2020**, 67, 1022-1030	1.1	3
877	Regenerated Chirped Grating-Michelson Interferometer as a Laser Beam Intensity Profiler for CO2 Laser. *IEEE Transactions on Instrumentation and Measurement*, **2020**, 69, 559-564	5.2	1
876	All-Optical Humidity Sensor Using SnO2 Nanoparticle Drop Coated on Straight Channel Optical Waveguide. *Photonic Sensors*, **2020**, 10, 123-133	2.3	5
875	ZnO nanorod-coated tapered plastic fiber sensors for relative humidity. *Optics Communications*, **2020**, 473, 125924	2	7
874	FBG Water-Level Transducer Based on PVC-Cantilever and Rubber-Diaphragm Structure. *IEEE Sensors Journal*, **2019**, 19, 7407-7414	4	3
873	Improvement of 2-μm Thulium-Doped Fiber Lasers via ASE Suppression Using All-Solid Low-Pass Photonic Bandgap Fibers. *Journal of Lightwave Technology*, **2019**, 37, 5686-5691	4	3
872	Wide-band flat-gain optical amplifier using Hafnia and zirconia erbium co-doped fibres in double-pass parallel configuration. *Journal of Modern Optics*, **2019**, 66, 1711-1716	1.1	4
871	In-fiber Fabry Perot interferometer with narrow interference fringes for enhanced sensitivity in elastic wave detection. *Optical Fiber Technology*, **2019**, 53, 102021	2.4	3
870	Q-switched erbium-doped fiber laser using silver nanoparticles deposited onto side-polished D-shaped fiber by electron beam deposition method. *Optical Fiber Technology*, **2019**, 53, 101997	2.4	4
869	An efficient L-band Zirconia Yttria Aluminum Erbium co-doped fiber amplifier with 1480nm pumping. *Journal of Nonlinear Optical Physics and Materials*, **2019**, 28, 1950018	0.8	2
868	All-fiber optical polarization modulation system using MoS2 as modulator. *Infrared Physics and Technology*, **2019**, 102, 103002	2.7	6
867	Application of MoWS2-rGO/PVA thin film as all-fiber pulse and amplitude modulators in the O-band region. *Optical Fiber Technology*, **2019**, 48, 1-6	2.4	8
866	An efficient wideband hafnia-bismuth erbium co-doped fiber amplifier with flat-gain over 80 nm wavelength span. *Optical Fiber Technology*, **2019**, 48, 186-193	2.4	10
865	Dispersion-engineered silicon nitride waveguides for mid-infrared supercontinuum generation covering the wavelength range 0.8–5.5 μm. *Laser Physics*, **2019**, 29, 025301	1.2	7
864	Wideband optical fiber amplifier with short length of enhanced erbium–zirconia–yttria–aluminum co-doped fiber. *Optik*, **2019**, 182, 194-200	2.5	7

863	The surgical ablation on soft tissues using Ho:YAG laser with deviated beam fiber. *Optical Fiber Technology*, **2019**, 52, 101937	2.4	1
862	Molybdenum tungsten disulphide (MoWS2) as a saturable absorber for a passively Q-switched thulium/holmium-codoped fibre laser. *Journal of Modern Optics*, **2019**, 66, 1163-1171	1.1	8
861	Surface plasmonic effect of nanoparticle-like silver nanostructure on the high responsivity of visible/infrared silver-based heterojunction photodetector. *Journal of Modern Optics*, **2019**, 66, 1329-1338	1.1	0
860	Flat-gain and wide-band partial double-pass erbium co-doped fiber amplifier with hybrid gain medium. *Optical Fiber Technology*, **2019**, 52, 101952	2.4	5
859	Nickel Oxide as a Q-switcher for Short Pulsed Thulium Doped Fiber Laser Generation. *Journal of Physics: Conference Series*, **2019**, 1151, 012029	0.3	
858	A compact linear-cavity multi-wavelength Brillouin/thulium fiber laser in S/S+-band. *Optical Fiber Technology*, **2019**, 51, 25-30	2.4	3
857	Soliton mode-locking in thulium-doped fibre laser by evanescent field interaction with reduced graphene oxide-titanium dioxide saturable absorber. *Laser Physics Letters*, **2019**, 16, 075102	1.5	4
856	Review: application of transition metal dichalcogenide in pulsed fiber laser system. *Materials Research Express*, **2019**, 6, 082004	1.7	15
855	Dual characteristics of molybdenum disulfide based PN heterojunction photodetector prepared via drop-cast technique. *Optik*, **2019**, 188, 8-11	2.5	1
854	Q-switched and mode-locked thulium doped fiber lasers with nickel oxide film saturable absorber. *Optics Communications*, **2019**, 447, 6-12	2	20
853	100 GHz free spectral range-tunable multi-wavelength fiber laser using single thulium single mode fiber interferometer. *Applied Physics B: Lasers and Optics*, **2019**, 125, 1	1.9	6
852	Mode-locked pulse generation in erbium-doped fiber laser by evanescent field interaction with reduced graphene oxide-titanium dioxide nanohybrid. *Optics and Laser Technology*, **2019**, 118, 93-101	4.2	16
851	Influence of Internal Stresses in Few-Mode Fiber on the Thermal Characteristics of Regenerated Gratings. *Photonic Sensors*, **2019**, 9, 162-169	2.3	
850	Wideband and flat gain series erbium doped fiber amplifier using hybrid active fiber with backward pumping distribution technique. *Results in Physics*, **2019**, 13, 102186	3.7	7
849	Mode-locked near-infrared thulium doped fibre laser using evanescent field effect with Bi2O3 saturable absorber. *Laser Physics*, **2019**, 29, 055104	1.2	2
848	Multimode interference based fiber-optic sensor for temperature measurement. *Journal of Physics: Conference Series*, **2019**, 1151, 012023	0.3	9
847	Fabrication and characterization of tungsten disulphide/silicon heterojunction photodetector for near infrared illumination. *Optik*, **2019**, 185, 819-826	2.5	6
846	C-band tunable performance of passively Q-switched erbium-doped fiber laser using Tin(IV) oxide as a saturable absorber. *Optics Communications*, **2019**, 442, 1-7	2	4

845	The effect of 980 nm and 1480 nm pumping on the performance of newly Hafnium Bismuth Erbium-doped fiber amplifier. *Journal of Physics: Conference Series*, **2019**, 1151, 012013	0.3	5
844	Polymer microfiber coated with ZnO for humidity sensing. *Journal of Physics: Conference Series*, **2019**, 1151, 012019	0.3	1
843	Mode-locking in Er-doped fiber laser with reduced graphene oxide on a side-polished fiber as saturable absorber. *Optical Fiber Technology*, **2019**, 50, 177-182	2.4	18
842	Depressed cladding erbium-doped fiber laser passively mode-locked with carbon nanotube saturable absorber. *Laser Physics Letters*, **2019**, 16, 045102	1.5	2
841	Digital Matched Filtering (DMF) Technique for the Performance Enhancement of Few-Mode Fiber Bragg Grating Sensor. *IEEE Sensors Journal*, **2019**, 19, 5653-5659	4	
840	Self-generating Brillouin fiber laser using highly nonlinear hafnium bismuth erbium-doped fiber. *Microwave and Optical Technology Letters*, **2019**, 61, 1651-1655	1.2	4
839	1.8 μm passively Q-switched thulium-doped fiber laser. *Optics and Laser Technology*, **2019**, 120, 105757	4.2	2
838	Silicon racetrack resonator based on nonlinear material. *European Physical Journal D*, **2019**, 73, 1	1.3	0
837	Wide-band multiwavelength Brillouin–Raman fiber laser based on feedback optimization. *Optics Communications*, **2019**, 453, 124402	2	3
836	Nickel phosphate as a C-band optical pulse modulator. *Applied Physics B: Lasers and Optics*, **2019**, 125, 1	1.9	4
835	Tungsten disulfide-chitosan film as optical pulse and amplitude modulator in C-band region. *Laser Physics*, **2019**, 29, 105102	1.2	4
834	Broadband high responsivity large-area plasmonic-enhanced multilayer MoS2 on p-type silicon photodetector using Au nanostructures. *Materials Research Express*, **2019**, 6, 105090	1.7	1
833	Investigation of structural and optoelectronic properties of n-MoS2/p-Si sandwiched heterojunction photodetector. *Optik*, **2019**, 198, 163237	2.5	3
832	Discriminative measurement for temperature and humidity using hollow-core Fabry-Perot interferometer. *Optical Fiber Technology*, **2019**, 53, 102027	2.4	6
831	405 nm ultraviolet photodetector based on tungsten disulphide thin film grown by drop casting method. *Journal of Modern Optics*, **2019**, 66, 1836-1840	1.1	4
830	Generation of sub-nanosecond pulse in dual-wavelength praseodymium fluoride fibre laser. *Laser Physics*, **2019**, 29, 105101	1.2	1
829	Ultrashort Pulse Fiber Laser Generation Using Molybdenum Disulfide and Tungsten Disulfide Saturable Absorber **2019**, 177-197		
828	Black Phosphorus Saturable Absorber for Passive Mode-Locking Pulses Generation **2019**, 401-430		

827	High performance graphene-like thinly layered graphite based visible light photodetector. *Optical and Quantum Electronics*, **2019**, 51, 1	2.4	
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