

Dong-Il Yeom

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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.

84
papers

2,690
citations

31
h-index

50
g-index

118
ext. papers

3,214
ext. citations

3.9
avg, IF

4.84
L-index

#	Paper	IF	Citations
84	Low-threshold supercontinuum generation in highly nonlinear chalcogenide nanowires. <i>Optics Letters</i> , 2008 , 33, 660-2	3	199
83	Enhanced Kerr nonlinearity in sub-wavelength diameter As(2)Se(3) chalcogenide fiber tapers. <i>Optics Express</i> , 2007 , 15, 10324-9	3.3	154
82	Active control of all-fibre graphene devices with electrical gating. <i>Nature Communications</i> , 2015 , 6, 6851	17.4	127
81	Mode-locking of Er-doped fiber laser using a multilayer MoS2 thin film as a saturable absorber in both anomalous and normal dispersion regimes. <i>Optics Express</i> , 2014 , 22, 23732-42	3.3	122
80	Efficient Mode-Locking of Sub-70-fs Ti:Sapphire Laser by Graphene Saturable Absorber. <i>Applied Physics Express</i> , 2012 , 5, 032701	2.4	118
79	Boosting the Non Linear Optical Response of Carbon Nanotube Saturable Absorbers for Broadband Mode-Locking of Bulk Lasers. <i>Advanced Functional Materials</i> , 2010 , 20, 1937-1943	15.6	109
78	High-quality, large-area monolayer graphene for efficient bulk laser mode-locking near 1.25 μm . <i>Optics Letters</i> , 2011 , 36, 4089-91	3	107
77	All-fiber Er-doped Q-Switched laser based on Tungsten Disulfide saturable absorber. <i>Optical Materials Express</i> , 2015 , 5, 373	2.6	106
76	All-fiber Er-doped dissipative soliton laser based on evanescent field interaction with carbon nanotube saturable absorber. <i>Optics Express</i> , 2010 , 18, 22141-6	3.3	92
75	. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 1581-1584	2.2	80
74	Graphene-filled hollow optical fiber saturable absorber for efficient soliton fiber laser mode-locking. <i>Optics Express</i> , 2012 , 20, 5652-7	3.3	69
73	Monolayer graphene saturable absorbers with strongly enhanced evanescent-field interaction for ultrafast fiber laser mode-locking. <i>Optics Express</i> , 2015 , 23, 19806-12	3.3	68
72	175 fs Tm:Lu2O3 laser at 2.07 μm mode-locked using single-walled carbon nanotubes. <i>Optics Express</i> , 2012 , 20, 5313-8	3.3	63
71	Toward higher-order passive harmonic mode-locking of a soliton fiber laser. <i>Optics Letters</i> , 2012 , 37, 1862-4	3	57
70	Femtosecond mode-locked fiber laser employing a hollow optical fiber filled with carbon nanotube dispersion as saturable absorber. <i>Optics Express</i> , 2009 , 17, 21788-93	3.3	53
69	All-fiber mode-locked laser oscillator with pulse energy of 34 nJ using a single-walled carbon nanotube saturable absorber. <i>Optics Express</i> , 2014 , 22, 22667-72	3.3	48
68	Ultrafast nonlinear optical properties of thin-solid DNA film and their application as a saturable absorber in femtosecond mode-locked fiber laser. <i>Scientific Reports</i> , 2017 , 7, 41480	4.9	46

67	All-fiber dissipative soliton laser with 10.2 nJ pulse energy using an evanescent field interaction with graphene saturable absorber. <i>Laser Physics Letters</i> , 2014 , 11, 015101	1.5	45
66	Single-walled carbon nanotube saturable absorber assisted high-power mode-locking of a Ti:sapphire laser. <i>Optics Express</i> , 2011 , 19, 7833-8	3.3	45
65	Low noise GHz passive harmonic mode-locking of soliton fiber laser using evanescent wave interaction with carbon nanotubes. <i>Optics Express</i> , 2011 , 19, 19775-80	3.3	43
64	Low-dimensional nanomaterial saturable absorbers for ultrashort-pulsed waveguide lasers. <i>Optical Materials Express</i> , 2018 , 8, 3055	2.6	41
63	Femtosecond Soliton Pulse Generation Using Evanescent Field Interaction Through Tungsten Disulfide (WS ₂) Film. <i>Journal of Lightwave Technology</i> , 2015 , 33, 3550-3557	4	40
62	Narrowband, polarization insensitive all-fiber acousto-optic tunable bandpass filter. <i>Optics Express</i> , 2007 , 15, 2987-92	3.3	38
61	All-fiber Tm-doped soliton laser oscillator with 6 nJ pulse energy based on evanescent field interaction with monolayer graphene saturable absorber. <i>Optics Express</i> , 2016 , 24, 14152-8	3.3	37
60	Graphene mode-locked femtosecond Yb:KLuW laser. <i>Applied Physics Letters</i> , 2012 , 101, 161112	3.4	35
59	Femtosecond Pulses near 2 μm from a Tm:KLuW Laser Mode-Locked by a Single-Walled Carbon Nanotube Saturable Absorber. <i>Applied Physics Express</i> , 2012 , 5, 092704	2.4	35
58	Saturable optical absorption in MoS ₂ nano-sheet optically deposited on the optical fiber facet. <i>Optics Communications</i> , 2015 , 335, 224-230	2	34
57	Laser-induced thermoelastic effects can evoke tactile sensations. <i>Scientific Reports</i> , 2015 , 5, 11016	4.9	34
56	Terahertz transmission and sheet conductivity of randomly stacked multi-layer graphene. <i>Applied Physics Letters</i> , 2013 , 102, 191109	3.4	33
55	Yb:KYW planar waveguide laser Q-switched by evanescent-field interaction with carbon nanotubes. <i>Optics Letters</i> , 2013 , 38, 5090-3	3	32
54	Mode locking of a Cr:YAG laser with carbon nanotubes. <i>Optics Letters</i> , 2010 , 35, 2669-71	3	30
53	Tunable acoustic gratings in solid-core photonic bandgap fiber. <i>Optics Express</i> , 2007 , 15, 3513-8	3.3	26
52	Mode-Locking of All-Fiber Lasers Operating at Both Anomalous and Normal Dispersion Regimes in the C- and L-Bands Using Thin Film of 2D Perovskite Crystallites. <i>Laser and Photonics Reviews</i> , 2018 , 12, 1800118	8.3	26
51	Mode-Locked All-Fiber Lasers at Both Anomalous and Normal Dispersion Regimes Based on Spin-Coated MoS_2 Nano-Sheets on a Side-Polished Fiber. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-9	1.8	25
50	Q-switched operation of a femtosecond-laser-inscribed Yb:YAG channel waveguide laser using carbon nanotubes. <i>Optics Express</i> , 2015 , 23, 7999-8005	3.3	21

49	All-Polarization Maintaining Passively Mode-Locked Fiber Laser Using Evanescent Field Interaction With Single-Walled Carbon Nanotube Saturable Absorber. <i>Journal of Lightwave Technology</i> , 2016 , 34, 3510-3514	4	21
48	Carbon nanotube mode-locked optically-pumped semiconductor disk laser. <i>Optics Express</i> , 2013 , 21, 17806-13	3.3	21
47	Pulse width shaping of passively mode-locked soliton fiber laser via polarization control in carbon nanotube saturable absorber. <i>Optics Express</i> , 2013 , 21, 27011-6	3.3	19
46	Highly nonlinear chalcogenide fibres for all-optical signal processing. <i>Optical and Quantum Electronics</i> , 2007 , 39, 1115-1131	2.4	18
45	Tunable narrow-bandwidth optical filter based on acoustically modulated fiber Bragg grating. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 1313-1315	2.2	18
44	Numerical Modeling of in-Band Pumped Ho-Doped Silica Fiber Lasers. <i>Journal of Lightwave Technology</i> , 2018 , 36, 5863-5880	4	18
43	Graphene Q-switched Yb:KYW planar waveguide laser. <i>AIP Advances</i> , 2015 , 5, 017110	1.5	17
42	Mode-locking of solid-state lasers by single-walled carbon-nanotube based saturable absorbers. <i>Quantum Electronics</i> , 2012 , 42, 663-670	1.8	15
41	Monolayer graphene coated Yb:YAG channel waveguides for Q-switched laser operation. <i>Optical Materials Express</i> , 2016 , 6, 2468	2.6	15
40	Analyses of cladding modes in photonic crystal fiber. <i>Optics Express</i> , 2007 , 15, 15154-60	3.3	14
39	Bundling influence on ultrafast optical nonlinearities of single-walled carbon nanotubes in suspension and composite film. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 97, 157-162	1.9	13
38	Passive Q-Switching of an All-Fiber Laser Using WS ₂ -Deposited Optical Fiber Taper. <i>IEEE Photonics Journal</i> , 2015 , 7, 1-7	1.8	12
37	Carbon nanostructure-based saturable absorber mirror for a diode-pumped 500-MHz femtosecond Yb:KLu(WO ₄) ₂ laser. <i>Optics Express</i> , 2014 , 22, 15626-31	3.3	12
36	Tunable gratings in a hollow-core photonic bandgap fiber based on acousto-optic interaction. <i>Optics Express</i> , 2009 , 17, 9933-9	3.3	12
35	Nonlinear long-period gratings in As ₂ Se ₃ chalcogenide fiber for all-optical switching. <i>Applied Physics Letters</i> , 2008 , 92, 101127	3.4	12
34	Tunable spectral enhancement of fiber supercontinuum. <i>Optics Letters</i> , 2007 , 32, 1644-6	3	12
33	Nonlinear switching using long-period gratings in As ₂ Se ₃ chalcogenide fiber. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008 , 25, 1393	1.7	11
32	Ultrafast Mode-Locked Fiber Laser Using a Waveguide-Type Saturable Absorber Based on Single-Walled Carbon Nanotubes. <i>Applied Physics Express</i> , 2013 , 6, 052705	2.4	10

31	Graphene-based saturable absorber and mode-locked laser behaviors under gamma-ray radiation. <i>Photonics Research</i> , 2019 , 7, 742	6	10
30	Investigation of a four-wave mixing signal generated in fiber-delivered CARS microscopy. <i>Applied Optics</i> , 2010 , 49, 3916-21	0.2	9
29	Narrow-bandwidth all-fiber acoustooptic tunable filter with low polarization-sensitivity. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 2646-2648	2.2	9
28	Simulation study of the thermal and the thermoelastic effects induced by pulsed laser absorption in human skin. <i>Journal of the Korean Physical Society</i> , 2016 , 68, 979-988	0.6	9
27	Broadband supercontinuum generation using a hollow optical fiber filled with copper-ion-modified DNA. <i>Optics Express</i> , 2015 , 23, 13537-44	3.3	8
26	Experimental reconstruction of bands in solid core photonic bandgap fibres using acoustic gratings. <i>Optics Express</i> , 2008 , 16, 13845-56	3.3	8
25	Laser-driven self-exfoliation of graphene oxide layers on a fiber facet for Q switching of an Er-doped fiber laser at the longest wavelength. <i>Photonics Research</i> , 2020 , 8, 1324	6	8
24	Optically controlled in-line graphene saturable absorber for the manipulation of pulsed fiber laser operation. <i>Optics Express</i> , 2016 , 24, 21301-7	3.3	8
23	Enhanced third-harmonic generation by manipulating the twist angle of bilayer graphene. <i>Light: Science and Applications</i> , 2021 , 10, 19	16.7	8
22	Enhanced nonlinear optical characteristics of copper-ion-doped double crossover DNAs. <i>Nanoscale</i> , 2015 , 7, 18089-95	7.7	7
21	300-MHz-repetition-rate, all-fiber, femtosecond laser mode-locked by planar lightwave circuit-based saturable absorber. <i>Optics Express</i> , 2015 , 23, 26234-42	3.3	7
20	Solid-State Laser Mode-Locking Near 1.25 μm Employing a Carbon Nanotube Saturable Absorber Mirror. <i>Journal of the Optical Society of Korea</i> , 2011 , 15, 56-60		5
19	Tunable enhancement of a soliton spectrum using an acoustic long-period grating. <i>Optics Express</i> , 2007 , 15, 13457-62	3.3	5
18	Applicability of Graphene Flakes as Saturable Absorber for Bulk Laser Mode-Locking. <i>Applied Physics Express</i> , 2013 , 6, 032704	2.4	4
17	Single-walled carbon nanotubes on side polished fiber as a universal saturable absorber for various laser output states. <i>Current Applied Physics</i> , 2017 , 17, 37-40	2.6	4
16	Robust, low-noise, polarization-maintaining mode-locked Er-fiber laser with a planar lightwave circuit (PLC) device as a multi-functional element. <i>Optics Letters</i> , 2017 , 42, 1472-1475	3	4
15	Photomechanical effect on Type I collagen using pulsed diode laser. <i>Technology and Health Care</i> , 2015 , 23 Suppl 2, S535-41	1.1	3
14	Control of laser-induced mechanical effects by using a dual-wavelength irradiation method. <i>Journal of the Korean Physical Society</i> , 2015 , 67, 2146-2153	0.6	3

13	Strong electro-optic absorption spanning nearly two octaves in an all-fiber graphene device. <i>Nanophotonics</i> , 2020 , 9, 4539-4544	6.3	3
12	Characterization of structural irregularities in highly birefringent photonic crystal fiber using torsional acoustic polarization coupling. <i>Optics Communications</i> , 2010 , 283, 4094-4098	2	2
11	Ultrafast Fiber Lasers with Low-Dimensional Saturable Absorbers: Status and Prospects. <i>Sensors</i> , 2021 , 21,	3.8	2
10	28W CW linearly polarized single mode all-fiber thulium-doped fiber laser operating at 1.95 μm . <i>Optical Engineering</i> , 2017 , 56, 046108	1.1	1
9	Applications of Long Period Gratings in Solid Core Photonic Bandgap Fibers. <i>AIP Conference Proceedings</i> , 2008 ,	0	1
8	Low-threshold supercontinuum generation in dispersion engineered highly nonlinear chalcogenide fiber nanowires 2008 ,		1
7	Passively Mode-locked Fiber Laser based on CVD WS ₂ 2015 ,		1
6	A study on spatial filtering of a speckle image reflected from a scattering medium in a coherent beam combining system. <i>Journal of the Korean Physical Society</i> , 2021 , 78, 657-661	0.6	1
5	Determination of the optical and the thermal properties of an absorbing medium by using infrared thermometry. <i>Journal of the Korean Physical Society</i> , 2016 , 69, 1744-1749	0.6	1
4	Bidirectional GHz bandwidth amplified spontaneous emission generation and high output power single-pass optical amplification through a hot Cs vapor cell 2022 , 1, 126		0
3	Long-cavity mode-locked thulium-doped fiber laser for high pulse energy. <i>Optics and Laser Technology</i> , 2021 , 136, 106739	4.2	0
2	Dissipative soliton mode-locked all-fiber laser with a broad spectral bandwidth. <i>Journal of the Korean Physical Society</i> , 2014 , 65, 1839-1842	0.6	
1	Supercontinuum generation in chalcogenide glass waveguides 306-333		