Dong-Il Yeom

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.

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	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
83	A study on spatial filtering of a speckle image reflected from a scattering medium in a coherent beam combining system. *Journal of the Korean Physical Society*, **2021**, 78, 657-661	0.6	1
82	Ultrafast Fiber Lasers with Low-Dimensional Saturable Absorbers: Status and Prospects. *Sensors*, **2021**, 21,	3.8	2
81	Long-cavity mode-locked thulium-doped fiber laser for high pulse energy. *Optics and Laser Technology*, **2021**, 136, 106739	4.2	0
80	Enhanced third-harmonic generation by manipulating the twist angle of bilayer graphene. *Light: Science and Applications*, **2021**, 10, 19	16.7	8
79	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. *Photonics Research*, **2020**, 8, 1324	6	8
78	Strong electro-optic absorption spanning nearly two octaves in an all-fiber graphene device. *Nanophotonics*, **2020**, 9, 4539-4544	6.3	3
77	Graphene-based saturable absorber and mode-locked laser behaviors under gamma-ray radiation. *Photonics Research*, **2019**, 7, 742	6	10
76	Low-dimensional nanomaterial saturable absorbers for ultrashort-pulsed waveguide lasers. *Optical Materials Express*, **2018**, 8, 3055	2.6	41
75	Numerical Modeling of in-Band Pumped Ho-Doped Silica Fiber Lasers. *Journal of Lightwave Technology*, **2018**, 36, 5863-5880	4	18
74	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. *Laser and Photonics Reviews*, **2018**, 12, 1800118	8.3	26
73	Ultrafast nonlinear optical properties of thin-solid DNA film and their application as a saturable absorber in femtosecond mode-locked fiber laser. *Scientific Reports*, **2017**, 7, 41480	4.9	46
72	28 W CW linearly polarized single mode all-fiber thulium-doped fiber laser operating at 1.95 m. *Optical Engineering*, **2017**, 56, 046108	1.1	1
71	Single-walled carbon nanotubes on side polished fiber as a universal saturable absorber for various laser output states. *Current Applied Physics*, **2017**, 17, 37-40	2.6	4
70	Robust, low-noise, polarization-maintaining mode-locked Er-fiber laser with a planar lightwave circuit (PLC) device as a multi-functional element. *Optics Letters*, **2017**, 42, 1472-1475	3	4
69	All-Polarization Maintaining Passively Mode-Locked Fiber Laser Using Evanescent Field Interaction With Single-Walled Carbon Nanotube Saturable Absorber. *Journal of Lightwave Technology*, **2016**, 34, 3510-3514	4	21
68	All-fiber Tm-doped soliton laser oscillator with 6 nJ pulse energy based on evanescent field interaction with monoloayer graphene saturable absorber. *Optics Express*, **2016**, 24, 14152-8	3.3	37

67	Optically controlled in-line graphene saturable absorber for the manipulation of pulsed fiber laser operation. *Optics Express*, **2016**, 24, 21301-7	3.3	8
66	Determination of the optical and the thermal properties of an absorbing medium by using infrared thermometry. *Journal of the Korean Physical Society*, **2016**, 69, 1744-1749	0.6	1
65	Simulation study of the thermal and the thermoelastic effects induced by pulsed laser absorption in human skin. *Journal of the Korean Physical Society*, **2016**, 68, 979-988	0.6	9
64	Monolayer graphene coated Yb:YAG channel waveguides for Q-switched laser operation. *Optical Materials Express*, **2016**, 6, 2468	2.6	15
63	Graphene Q-switched Yb:KYW planar waveguide laser. *AIP Advances*, **2015**, 5, 017110	1.5	17
62	Active control of all-fibre graphene devices with electrical gating. *Nature Communications*, **2015**, 6, 6851	17.4	127
61	Mode-Locked All-Fiber Lasers at Both Anomalous and Normal Dispersion Regimes Based on Spin-Coated $hbox{MoS}_{2}$ Nano-Sheets on a Side-Polished Fiber. *IEEE Photonics Journal*, **2015**, 7, 1-9	1.8	25
60	Q-switched operation of a femtosecond-laser-inscribed Yb:YAG channel waveguide laser using carbon nanotubes. *Optics Express*, **2015**, 23, 7999-8005	3.3	21
59	. *IEEE Photonics Technology Letters*, **2015**, 27, 1581-1584	2.2	80
58	Monolayer graphene saturable absorbers with strongly enhanced evanescent-field interaction for ultrafast fiber laser mode-locking. *Optics Express*, **2015**, 23, 19806-12	3.3	68
57	Broadband supercontinuum generation using a hollow optical fiber filled with copper-ion-modified DNA. *Optics Express*, **2015**, 23, 13537-44	3.3	8
56	Enhanced nonlinear optical characteristics of copper-ion-doped double crossover DNAs. *Nanoscale*, **2015**, 7, 18089-95	7.7	7
55	Saturable optical absorption in MoS2 nano-sheet optically deposited on the optical fiber facet. *Optics Communications*, **2015**, 335, 224-230	2	34
54	Laser-induced thermoelastic effects can evoke tactile sensations. *Scientific Reports*, **2015**, 5, 11016	4.9	34
53	Photomechanical effect on Type I collagen using pulsed diode laser. *Technology and Health Care*, **2015**, 23 Suppl 2, S535-41	1.1	3
52	300-MHz-repetition-rate, all-fiber, femtosecond laser mode-locked by planar lightwave circuit-based saturable absorber. *Optics Express*, **2015**, 23, 26234-42	3.3	7
51	Femtosecond Soliton Pulse Generation Using Evanescent Field Interaction Through Tungsten Disulfide (WS 2) Film. *Journal of Lightwave Technology*, **2015**, 33, 3550-3557	4	40
50	Passive Q-Switching of an All-Fiber Laser Using WS 2-Deposited Optical Fiber Taper. *IEEE Photonics Journal*, **2015**, 7, 1-7	1.8	12

49	Control of laser-induced mechanical effects by using a dual-wavelength irradiation method. *Journal of the Korean Physical Society*, **2015**, 67, 2146-2153	0.6	3
48	All-fiber Er-doped Q-Switched laser based on Tungsten Disulfide saturable absorber. *Optical Materials Express*, **2015**, 5, 373	2.6	106
47	Passively Mode-locked Fiber Laser based on CVD WS2 **2015**,		1
46	Mode-locking of Er-doped fiber laser using a multilayer MoS2 thin film as a saturable absorber in both anomalous and normal dispersion regimes. *Optics Express*, **2014**, 22, 23732-42	3.3	122
45	Dissipative soliton mode-locked all-fiber laser with a broad spectral bandwidth. *Journal of the Korean Physical Society*, **2014**, 65, 1839-1842	0.6	
44	All-fiber mode-locked laser oscillator with pulse energy of 34 nJ using a single-walled carbon nanotube saturable absorber. *Optics Express*, **2014**, 22, 22667-72	3.3	48
43	Carbon nanostructure-based saturable absorber mirror for a diode-pumped 500-MHz femtosecond Yb:KLu(WO4)2 laser. *Optics Express*, **2014**, 22, 15626-31	3.3	12
42	All-fiber dissipative soliton laser with 10.2 nJ pulse energy using an evanescent field interaction with graphene saturable absorber. *Laser Physics Letters*, **2014**, 11, 015101	1.5	45
41	Applicability of Graphene Flakes as Saturable Absorber for Bulk Laser Mode-Locking. *Applied Physics Express*, **2013**, 6, 032704	2.4	4
40	Ultrafast Mode-Locked Fiber Laser Using a Waveguide-Type Saturable Absorber Based on Single-Walled Carbon Nanotubes. *Applied Physics Express*, **2013**, 6, 052705	2.4	10
39	Yb:KYW planar waveguide laser Q-switched by evanescent-field interaction with carbon nanotubes. *Optics Letters*, **2013**, 38, 5090-3	3	32
38	Carbon nanotube mode-locked optically-pumped semiconductor disk laser. *Optics Express*, **2013**, 21, 17806-13	3.3	21
37	Pulse width shaping of passively mode-locked soliton fiber laser via polarization control in carbon nanotube saturable absorber. *Optics Express*, **2013**, 21, 27011-6	3.3	19
36	Terahertz transmission and sheet conductivity of randomly stacked multi-layer graphene. *Applied Physics Letters*, **2013**, 102, 191109	3.4	33
35	Graphene mode-locked femtosecond Yb:KLuW laser. *Applied Physics Letters*, **2012**, 101, 161112	3.4	35
34	Efficient Mode-Locking of Sub-70-fs Ti:Sapphire Laser by Graphene Saturable Absorber. *Applied Physics Express*, **2012**, 5, 032701	2.4	118
33	Toward higher-order passive harmonic mode-locking of a soliton fiber laser. *Optics Letters*, **2012**, 37, 1862-4	3	57
32	Graphene-filled hollow optical fiber saturable absorber for efficient soliton fiber laser mode-locking. *Optics Express*, **2012**, 20, 5652-7	3.3	69

31	175 fs Tm:Lu2O3 laser at 2.07 μm mode-locked using single-walled carbon nanotubes. *Optics Express*, **2012**, 20, 5313-8	3.3	63
30	Femtosecond Pulses near 2 mum from a Tm:KLuW Laser Mode-Locked by a Single-Walled Carbon Nanotube Saturable Absorber. *Applied Physics Express*, **2012**, 5, 092704	2.4	35
29	Mode-locking of solid-state lasers by single-walled carbon-nanotube based saturable absorbers. *Quantum Electronics*, **2012**, 42, 663-670	1.8	15
28	Solid-State Laser Mode-Locking Near 1.25 ㎛ Employing a Carbon Nanotube Saturable Absorber Mirror. *Journal of the Optical Society of Korea*, **2011**, 15, 56-60		5
27	Single-walled carbon nanotube saturable absorber assisted high-power mode-locking of a Ti:sapphire laser. *Optics Express*, **2011**, 19, 7833-8	3.3	45
26	Low noise GHz passive harmonic mode-locking of soliton fiber laser using evanescent wave interaction with carbon nanotubes. *Optics Express*, **2011**, 19, 19775-80	3.3	43
25	High-quality, large-area monolayer graphene for efficient bulk laser mode-locking near 1.25 ㎛. *Optics Letters*, **2011**, 36, 4089-91	3	107
24	Investigation of a four-wave mixing signal generated in fiber-delivered CARS microscopy. *Applied Optics*, **2010**, 49, 3916-21	0.2	9
23	All-fiber Er-doped dissipative soliton laser based on evanescent field interaction with carbon nanotube saturable absorber. *Optics Express*, **2010**, 18, 22141-6	3.3	92
22	Mode locking of a Cr:YAG laser with carbon nanotubes. *Optics Letters*, **2010**, 35, 2669-71	3	30
21	Boosting the Non Linear Optical Response of Carbon Nanotube Saturable Absorbers for Broadband Mode-Locking of Bulk Lasers. *Advanced Functional Materials*, **2010**, 20, 1937-1943	15.6	109
20	Characterization of structural irregularities in highly birefringent photonic crystal fiber using torsional acoustic polarization coupling. *Optics Communications*, **2010**, 283, 4094-4098	2	2
19	Bundling influence on ultrafast optical nonlinearities of single-walled carbon nanotubes in suspension and composite film. *Applied Physics B: Lasers and Optics*, **2009**, 97, 157-162	1.9	13
18	Tunable gratings in a hollow-core photonic bandgap fiber based on acousto-optic interaction. *Optics Express*, **2009**, 17, 9933-9	3.3	12
17	Femtosecond mode-locked fiber laser employing a hollow optical fiber filled with carbon nanotube dispersion as saturable absorber. *Optics Express*, **2009**, 17, 21788-93	3.3	53
16	Low-threshold supercontinuum generation in highly nonlinear chalcogenide nanowires. *Optics Letters*, **2008**, 33, 660-2	3	199
15	Nonlinear switching using long-period gratings in As_2Se_3 chalcogenide fiber. *Journal of the Optical Society of America B: Optical Physics*, **2008**, 25, 1393	1.7	11
14	Experimental reconstruction of bands in solid core photonic bandgap fibres using acoustic gratings. *Optics Express*, **2008**, 16, 13845-56	3.3	8

13	Applications of Long Period Gratings in Solid Core Photonic Bandgap Fibers. *AIP Conference Proceedings*, **2008**,	0	1
12	Low-threshold supercontinuum generation in dispersion engineered highly nonlinear chalcogenide fiber nanowires **2008**,		1
11	Nonlinear long-period gratings in As2Se3 chalcogenide fiber for all-optical switching. *Applied Physics Letters*, **2008**, 92, 101127	3.4	12
10	Highly nonlinear chalcogenide fibres for all-optical signal processing. *Optical and Quantum Electronics*, **2007**, 39, 1115-1131	2.4	18
9	Tunable spectral enhancement of fiber supercontinuum. *Optics Letters*, **2007**, 32, 1644-6	3	12
8	Narrowband, polarization insensitive all-fiber acousto-optic tunable bandpass filter. *Optics Express*, **2007**, 15, 2987-92	3.3	38
7	Tunable acoustic gratings in solid-core photonic bandgap fiber. *Optics Express*, **2007**, 15, 3513-8	3.3	26
6	Enhanced Kerr nonlinearity in sub-wavelength diameter As(2)Se(3) chalcogenide fiber tapers. *Optics Express*, **2007**, 15, 10324-9	3.3	154
5	Tunable enhancement of a soliton spectrum using an acoustic long-period grating. *Optics Express*, **2007**, 15, 13457-62	3.3	5
4	Analyses of cladding modes in photonic crystal fiber. *Optics Express*, **2007**, 15, 15154-60	3.3	14
3	Narrow-bandwidth all-fiber acoustooptic tunable filter with low polarization-sensitivity. *IEEE Photonics Technology Letters*, **2005**, 17, 2646-2648	2.2	9
2	Tunable narrow-bandwidth optical filter based on acoustically modulated fiber Bragg grating. *IEEE Photonics Technology Letters*, **2004**, 16, 1313-1315	2.2	18
1	Supercontinuum generation in chalcogenide glass waveguides306-333		