

Sun Young Choi

List of Publications by Year in descending order

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77
times ranked

1420
citing authors

#	ARTICLE	IF	CITATIONS
1	Passive mode-locking of a Tm-doped bulk laser near 2 μm using a carbon nanotube saturable absorber. Optics Express, 2009, 17, 11007.	3.4	163
2	Active control of all-fibre graphene devices with electrical gating. Nature Communications, 2015, 6, 6851.	12.8	159
3	High-quality, large-area monolayer graphene for efficient bulk laser mode-locking near 1250 μm . Optics Letters, 2011, 36, 4089.	3.3	128
4	All-fiber Er-doped dissipative soliton laser based on evanescent field interaction with carbon nanotube saturable absorber. Optics Express, 2010, 18, 22141.	3.4	108
5	Mode-locked self-starting Cr:forsterite laser using a single-walled carbon nanotube saturable absorber. Optics Letters, 2008, 33, 2449.	3.3	90
6	Monolayer graphene saturable absorbers with strongly enhanced evanescent-field interaction for ultrafast fiber laser mode-locking. Optics Express, 2015, 23, 19806.	3.4	88
7	Graphene-filled hollow optical fiber saturable absorber for efficient soliton fiber laser mode-locking. Optics Express, 2012, 20, 5652.	3.4	87
8	175 fs Tm:Lu ₂ O ₃ laser at 207 μm mode-locked using single-walled carbon nanotubes. Optics Express, 2012, 20, 5313.	3.4	80
9	Toward higher-order passive harmonic mode-locking of a soliton fiber laser. Optics Letters, 2012, 37, 1862.	3.3	78
10	Femtosecond mode-locked fiber laser employing a hollow optical fiber filled with carbon nanotube dispersion as saturable absorber. Optics Express, 2009, 17, 21788.	3.4	71
11	Sub-100 fs single-walled carbon nanotube saturable absorber mode-locked Yb-laser operation near 1 μm . Optics Express, 2009, 17, 20109.	3.4	63
12	Low noise GHz passive harmonic mode-locking of soliton fiber laser using evanescent wave interaction with carbon nanotubes. Optics Express, 2011, 19, 19775.	3.4	58
13	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.	1.4	58
14	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.	3.4	55
15	Single-walled carbon nanotube saturable absorber assisted high-power mode-locking of a Ti:sapphire laser. Optics Express, 2011, 19, 7833.	3.4	54
16	780 fs SWCNT-SA mode-locked Tm:CLNGG disordered garnet crystal laser at 2017 nm. Optics Letters, 2018, 43, 4268.	3.3	47
17	All-fiber Tm-doped soliton laser oscillator with 6 nJ pulse energy based on evanescent field interaction with monolayer graphene saturable absorber. Optics Express, 2016, 24, 14152.	3.4	43
18	Generation of 84-fs pulses from a mode-locked Tm:CNNGG disordered garnet crystal laser. Photonics Research, 2018, 6, 800.	7.0	42

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19	Femtosecond Pulses near 2 μm from a Tm:KLuW Laser Mode-Locked by a Single-Walled Carbon Nanotube Saturable Absorber. Applied Physics Express, 2012, 5, 092704.	2.4	41
20	2-GHz carbon nanotube mode-locked Yb:YAG channel waveguide laser. Optics Express, 2018, 26, 5140.	3.4	38
21	Yb:KYW planar waveguide laser Q-switched by evanescent-field interaction with carbon nanotubes. Optics Letters, 2013, 38, 5090.	3.3	36
22	Mode locking of a Cr:YAG laser with carbon nanotubes. Optics Letters, 2010, 35, 2669.	3.3	33
23	67-fs pulse generation from a mode-locked Tm,Ho:CLNGG laser at 2083 nm. Optics Express, 2019, 27, 1922.	3.4	32
24	Sub-80-fs mode-locked Tm,Ho-codoped disordered garnet crystal oscillator operating at 2081 nm. Optics Letters, 2018, 43, 5154.	3.3	29
25	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.	4.6	27
26	Q-switched operation of a femtosecond-laser-inscribed Yb:YAG channel waveguide laser using carbon nanotubes. Optics Express, 2015, 23, 7999.	3.4	26
27	12-GHz repetition rate, diode-pumped femtosecond Yb:KYW laser mode-locked by a carbon nanotube saturable absorber mirror. Optics Express, 2012, 20, 29518.	3.4	25
28	Pulse width shaping of passively mode-locked soliton fiber laser via polarization control in carbon nanotube saturable absorber. Optics Express, 2013, 21, 27011.	3.4	21
29	Graphene mode-locked femtosecond Cr ²⁺ :ZnS laser with ~300 nm tuning range. Optics Express, 2016, 24, 20774.	3.4	21
30	99 fs Nd:Glass Laser Mode-Locked with Carbon Nanotube Saturable Absorber Mirror. Applied Physics Express, 2010, 3, 112702.	2.4	20
31	Graphene Q-switched Yb:KYW planar waveguide laser. AIP Advances, 2015, 5, .	1.3	20
32	Monolayer graphene coated Yb:YAG channel waveguides for Q-switched laser operation. Optical Materials Express, 2016, 6, 2468.	3.0	20
33	Femtosecond Nd:Glass Lasers Pumped by Single-Mode Laser Diodes and Mode Locked With Carbon Nanotube or Semiconductor Saturable Absorber Mirrors. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 74-80.	2.9	18
34	Femtosecond single-mode diode-pumped Cr:LiSAF laser mode-locked with single-walled carbon nanotubes. Optics Communications, 2012, 285, 742-745.	2.1	17
35	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	17
36	Gigahertz repetition rate, sub-femtosecond timing jitter optical pulse train directly generated from a mode-locked Yb:KYW laser. Optics Letters, 2014, 39, 56.	3.3	17

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37	90-fs diode-pumped Yb:CLNGG laser mode-locked using single-walled carbon nanotube saturable absorber. Optics Express, 2014, 22, 5635.	3.4	16
38	Carbon nanostructure-based saturable absorber mirror for a diode-pumped 500-MHz femtosecond Yb:KLu(WO ₄) ₂ laser. Optics Express, 2014, 22, 15626.	3.4	14
39	Comparative study of Yb:KYW planar waveguide lasers Q-switched by direct- and evanescent-field interaction with carbon nanotubes. Optics Express, 2019, 27, 1488.	3.4	14
40	300-MHz-repetition-rate, all-fiber, femtosecond laser mode-locked by planar lightwave circuit-based saturable absorber. Optics Express, 2015, 23, 26234.	3.4	13
41	Optically controlled in-line graphene saturable absorber for the manipulation of pulsed fiber laser operation. Optics Express, 2016, 24, 21301.	3.4	13
42	Diode-pumped Nd:BaY ₂ F ₈ picosecond laser mode-locked with carbon nanotube saturable absorbers. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 2739.	2.1	11
43	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.	3.3	9
44	Tm,Ho:KLu(WO ₄) ₂ laser mode-locked near 2.14 μm by single-walled carbon nanotubes. Optics Express, 2014, 22, 26872.	3.4	8
45	Single-walled carbon nanotubes outperform graphene and semiconductor saturable absorbers in Q-switched solid-state lasers at 2 μm. Laser Physics Letters, 2017, 14, 095801.	1.4	8
46	Monolayer graphene saturable absorber for bulk laser mode-locking. , 2010, , .		5
47	Applicability of Graphene Flakes as Saturable Absorber for Bulk Laser Mode-Locking. Applied Physics Express, 2013, 6, 032704.	2.4	4
48	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.	2.4	4
49	1.34 μm Nd:YVO ₄ laser mode-locked by a single-walled carbon nanotube saturable absorber. Proceedings of SPIE, 2012, , .	0.8	3
50	Passive Mode-Locking of a Tm:YLF Laser. , 2011, , .		2
51	Octave Spanning Ultra-Broadband Carbon Nanotube Saturable Absorber for Bulk Solid-State Lasers. , 2011, , .		1
52	Single-Walled Carbon Nanotube Saturable Absorber Mode-Locking of a Tm:KLuW Laser Near 2 μm. , 2010, , .		1
53	Carbon-nanotube mode-locked Cr: YAG laser. , 2010, , .		1
54	High-power terahertz pulse generation in phenolic configurationally-locked polyene single crystal. , 2009, , .		0

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55	Passive harmonic mode-locking of fiber laser based on evanescent field interaction with carbon nanotube saturable absorber. , 2011, , .		0
56	4 GHz passive harmonic mode-locking in a single-clad soliton fiber laser incorporating carbon nano-tube saturable absorbers. , 2012, , .		0
57	Soliton fiber laser mode-locking using graphene-filled hollow optical fiber. , 2012, , .		0
58	Waveguide-type saturable absorber based on single walled-carbon nanotubes for laser mode-locking. , 2013, , .		0
59	Mirrorless graphene Q-switched channel waveguide laser. , 2015, , .		0
60	Different interaction schemes with carbon nanotubes in a pulsed planar waveguide laser. , 2015, , .		0
61	All-polarization-maintaining mode-locked fiber laser based on planar lightwave circuit (PLC) device. , 2017, , .		0
62	Single-walled carbon nanotubes oust graphene and semiconductor saturable absorbers in Q-switched solid-state lasers at 2 μm . , 2017, , .		0
63	Femtosecond laser-written Tm:KLu(WO ₄) ₂ waveguide lasers. , 2017, , .		0
64	Monoclinic Tm ³⁺ :MgWO ₄ A novel efficient laser emitting above 2 μm . , 2017, , .		0
65	Characteristics of Carbon Nanotube Saturable Absorbers for Solid-State Laser Mode-Locking near 1.25 μm . , 2009, , .		0
66	Ultra-Broadband (> 500 nm) Single-Walled Carbon Nanotube Saturable Absorber Mode-Locking of Bulk Solid-State Lasers. , 2010, , .		0
67	Influence of cavity dispersion on repetition rate of passive harmonic mode-locking soliton fiber laser. , 2012, , .		0
68	Sub-150 fs Pulses from a Tm:KLuW Oscillator in the 2 μm Wavelength Range. , 2012, , .		0
69	Femtosecond Mode-Locked Thulium-Doped Lu ₂ O ₃ Laser around 2 μm . , 2012, , .		0
70	1.2-GHz repetition rate, diode-pumped femtosecond Yb:KYW laser mode-locked by a CNT saturable absorber. , 2013, , .		0
71	1.13-GHz Repetition Rate, Sub-Femtosecond Timing Jitter, CNT-Mode-Locked Ultrafast Yb:KYW Laser. , 2014, , .		0
72	All-Fiber Mode-Locked Soliton Er-Lasers Employing Planar Lightwave Circuit (PLC) Devices. , 2016, , .		0

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73	Tm:KY(WO ₄) ₂ Planar Waveguide Laser Q-switched by Single-Walled Carbon Nanotubes. , 2017, , .		0
74	GHz Mode-Locked Yb:YAG Channel Waveguide Lasers. , 2017, , .		0
75	Multi-GHz mode-locked Yb:YAG channel waveguide laser using SESAM and carbon nanotube saturable absorbers. , 2018, , .		0
76	Graphene mode-locked Tm,Ho:CLNCG laser with 70-fs pulse duration. , 2019, , .		0
77	Q-switched Yb:YAG Surface Channel Waveguide Lasers in Single- and Double-pass Pump Schemes. , 2020, , .		0