Daniel Popa

List of Publications by Year
in descending order

66 papers	4,815 citations	279701 23 h-index	377752 34 g-index
69 all docs	69 docs citations	69 times ranked	3874 citing authors

#	Article	IF	Citations
1	Graphene Mode-Locked Ultrafast Laser. ACS Nano, 2010, 4, 803-810.	7.3	1,795
2	Graphene Q-switched, tunable fiber laser. Applied Physics Letters, 2011, 98, .	1.5	402
3	Sub 200 fs pulse generation from a graphene mode-locked fiber laser. Applied Physics Letters, 2010, 97, .	1.5	398
4	A stable, wideband tunable, near transform-limited, graphene-mode-locked, ultrafast laser. Nano Research, 2010, 3, 653-660.	5.8	351
5	Tm-doped fiber laser mode-locked by graphene-polymer composite. Optics Express, 2012, 20, 25077.	1.7	272
6	Revealing the Transition Dynamics from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Q</mml:mi></mml:math> Switching to Mode Locking in a Soliton Laser. Physical Review Letters, 2019, 123, 093901.	2.9	173
7	Towards Integrated Mid-Infrared Gas Sensors. Sensors, 2019, 19, 2076.	2.1	173
8	Solutionâ€phase exfoliation of graphite for ultrafast photonics. Physica Status Solidi (B): Basic Research, 2010, 247, 2953-2957.	0.7	170
9	74-fs nanotube-mode-locked fiber laser. Applied Physics Letters, 2012, 101, 153107.	1.5	122
10	A compact, high power, ultrafast laser mode-locked by carbon nanotubes. Applied Physics Letters, 2009, 95, .	1.5	114
11	15 GHz picosecond pulse generation from a monolithic waveguide laser with a graphene-film saturable output coupler. Optics Express, 2013, 21, 7943.	1.7	111
12	Ultrafast and widely tuneable vertical-external-cavity surface-emitting laser, mode-locked by a graphene-integrated distributed Bragg reflector. Optics Express, 2013, 21, 31548.	1.7	111
13	Mid-infrared Raman-soliton continuum pumped by a nanotube-mode-locked sub-picosecond Tm-doped MOPFA. Optics Express, 2013, 21, 23261.	1.7	74
14	Double-Wall Carbon Nanotubes for Wide-Band, Ultrafast Pulse Generation. ACS Nano, 2014, 8, 4836-4847.	7.3	66
15	Ultrafast Raman laser mode-locked by nanotubes. Optics Letters, 2011, 36, 3996.	1.7	60
16	Few-cycle pulses from a graphene mode-locked all-fiber laser. Applied Physics Letters, 2015, 106, .	1.5	50
17	Bound states of solitons in a harmonic graphene-mode-locked fiber laser. Photonics Research, 2019, 7, 116.	3.4	41
18	Stable, Surfactant-Free Graphene-Styrene Methylmethacrylate Composite for Ultrafast Lasers. Advanced Optical Materials, 2016, 4, 1088-1097.	3.6	35

#	Article	IF	Citations
19	500fs wideband tunable fiber laser mode-locked by nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1078-1081.	1.3	33
20	7.8-GHz Graphene-Based 2-Î¼m Monolithic Waveguide Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 395-400.	1.9	33
21	Fiber grating compression of giant-chirped nanosecond pulses from an ultra-long nanotube mode-locked fiber laser. Optics Letters, 2015, 40, 387.	1.7	28
22	Wavelength tunable soliton rains in a nanotube-mode locked Tm-doped fiber laser. Applied Physics Letters, 2018, 113, .	1.5	26
23	Scalar Nanosecond Pulse Generation in a Nanotube Mode-Locked Environmentally Stable Fiber Laser. IEEE Photonics Technology Letters, 2014, 26, 1672-1675.	1.3	24
24	CW-pumped short pulsed 1.12 Î¼m Raman laser using carbon nanotubes. Laser Physics Letters, 2013, 10, 015101.	0.6	21
25	Evanescent-wave coupled right angled buried waveguide: Applications in carbon nanotube mode-locking. Applied Physics Letters, 2013, 103, 221117.	1.5	18
26	Smart CMOS mid-infrared sensor array. Optics Letters, 2019, 44, 4111.	1.7	16
27	All-fiber nonlinearity- and dispersion-managed dissipative soliton nanotube mode-locked laser. Applied Physics Letters, 2015, 107, .	1.5	14
28	Graphene passively Q-switched two-micron fiber lasers. , 2012, , .		12
29	A highly stable, nanotube-enhanced, CMOS-MEMS thermal emitter for mid-IR gas sensing. Scientific Reports, 2021, 11, 22915.	1.6	11
30	A CMOS-Based Thermopile Array Fabricated on a Single SiO2 Membrane. Proceedings (mdpi), 2018, 2, .	0.2	10
31	Double-wall carbon nanotube Q-switched and mode-locked two-micron fiber lasers. , 2012, , .		7
32	A stable, power scaling, graphene-mode-locked all-fiber oscillator. Applied Physics Letters, 2017, 110, .	1.5	7
33	Miniaturized thermal acoustic gas sensor based on a CMOS microhotplate and MEMS microphone. Scientific Reports, 2022, 12, 1690.	1.6	7
34	All-fiber Yb-doped laser mode-locked by nanotubes. , 2013, , .		3
35	Coherent Raman spectroscopy with a grapheme-synchronized all-fiber laser. , 2017, , .		3
36	Crosstalk Analysis of a CMOS Single Membrane Thermopile Detector Array. Sensors, 2020, 20, 2573.	2.1	3

#	Article	IF	Citations
37	Ultrafast Fiber Laser Mode-locked by Graphene Based Saturable Absorber. , 2010, , .		2
38	Sub-100fs pulse generation from a fiber oscillator mode-locked by nanotubes. , 2011, , .		2
39	Wavelength Tunable Graphene Modelocked VECSEL. , 2013, , .		2
40	Graphene saturable absorber power scaling laser. , 2014, , .		2
41	Mode-locking by nanotubes of a Raman laser based on a highly doped GeO2 fiber. , 2012, , .		2
42	Generation of 63-nJ pulses from a fiber oscillator mode-locked by nanotubes. , 2010, , .		1
43	Wideband tunable, high-power, graphene mode-locked ultrafast lasers. , 2011, , .		1
44	Dual-wavelength, carbon nanotube mode-locked fiber laser. , 2012, , .		1
45	Sub-50 fs compressed pulses from a graphene-mode locked fiber laser. , 2014, , .		1
46	Graphene modelocked VECSELs. , 2014, , .		1
47	Graphene saturable absorbers for VECSELs. Proceedings of SPIE, 2014, , .	0.8	1
48	Characterization of Dynamic Nonlinear Absorption of Carbon Nanotube Saturable Absorber. , 2010, , .		1
49	Nanotube-based passively mode-locked Raman laser. , 2011, , .		1
50	Nanotube mode-locked, low repetition rate pulse source for fiber-based supercontinuum generation at low average pump power. , 2014, , .		1
51	Synchronously coupled fiber lasers and sum frequency generation using graphene composites. , 2014, , .		1
52	Modeling of CMOS Single Membrane Thermopile Detector Arrays. IEEE Sensors Journal, 2022, 22, 1366-1373.	2.4	1
53	Nanotube-based passively mode-locked Ytterbium-pumped Raman laser. , 2011, , .		0
54	Broadband ultrafast pulse generation with double wall carbon nanotubes. , 2011, , .		0

#	Article	IF	Citations
55	Ultrafast and high-energy pulsed lasers with graphene mode-lockers. , 2011, , .		0
56	Q-switched modelocking using carbon nanotubes in an ultrafast laser inscribed ytterbium doped bismuthate glass waveguide laser. , 2012, , .		0
57	Pulsewidth switchable, wavelength tuneable ultrafast fiber laser mode-locked by carbon nanotubes. , 2012, , .		0
58	Mode-locking using right-angle waveguide, based nanotube saturable absorber. , 2013, , .		0
59	2 to 3 Âµm Raman-soliton continuum enabled by a nanotube mode-locked Tm-doped MOPFA. , 2013, , .		0
60	Passively modelocked VECSEL using a single-layer graphene saturable absorber mirror. , 2013, , .		0
61	Graphene synchronised all-fiber laser for coherent Raman spectroscopy. , 2017, , .		0
62	Multiwavelength tunable Tm-doped fiber laser based on nanotubes. , 2017, , .		0
63	Miniaturized Thermal Acoustic Gas Sensor Based on a CMOS Microhotplate and MEMS Microphone. Proceedings (mdpi), 2020, 56, 3.	0.2	0
64	Light-Free Cross-Talk Analysis of a CMOS Infrared Detector Array. Proceedings (mdpi), 2020, 56, 10.	0.2	0
65	Bound state operation of an all-polarization maintaining Er-doped fiber laser. , 2017, , .		0
66	Bound States in a Harmonic Graphene-Mode-Locked Fiber Laser. , 2019, , .		0