

Daniel Popa

List of Publications by Citations

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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.

47
papers

3,962
citations

20
h-index

62
g-index

69
ext. papers

4,511
ext. citations

4.2
avg, IF

5.17
L-index

#	Paper	IF	Citations
47	Graphene mode-locked ultrafast laser. <i>ACS Nano</i> , 2010 , 4, 803-10	16.7	1547
46	Graphene Q-switched, tunable fiber laser. <i>Applied Physics Letters</i> , 2011 , 98, 073106	3.4	351
45	Sub 200 fs pulse generation from a graphene mode-locked fiber laser. <i>Applied Physics Letters</i> , 2010 , 97, 203106	3.4	344
44	A stable, wideband tunable, near transform-limited, graphene-mode-locked, ultrafast laser. <i>Nano Research</i> , 2010 , 3, 653-660	10	295
43	Tm-doped fiber laser mode-locked by graphene-polymer composite. <i>Optics Express</i> , 2012 , 20, 25077-84	3.3	233
42	Solution-phase exfoliation of graphite for ultrafast photonics. <i>Physica Status Solidi (B): Basic Research</i> , 2010 , 247, 2953-2957	1.3	152
41	74-fs nanotube-mode-locked fiber laser. <i>Applied Physics Letters</i> , 2012 , 101, 153107	3.4	101
40	1.5 GHz picosecond pulse generation from a monolithic waveguide laser with a graphene-film saturable output coupler. <i>Optics Express</i> , 2013 , 21, 7943-50	3.3	98
39	A compact, high power, ultrafast laser mode-locked by carbon nanotubes. <i>Applied Physics Letters</i> , 2009 , 95, 253102	3.4	98
38	Revealing the Transition Dynamics from Q Switching to Mode Locking in a Soliton Laser. <i>Physical Review Letters</i> , 2019 , 123, 093901	7.4	91
37	Ultrafast and widely tuneable vertical-external-cavity surface-emitting laser, mode-locked by a graphene-integrated distributed Bragg reflector. <i>Optics Express</i> , 2013 , 21, 31548-59	3.3	91
36	Towards Integrated Mid-Infrared Gas Sensors. <i>Sensors</i> , 2019 , 19,	3.8	80
35	Mid-infrared Raman-soliton continuum pumped by a nanotube-mode-locked sub-picosecond Tm-doped MOPFA. <i>Optics Express</i> , 2013 , 21, 23261-71	3.3	64
34	Double-wall carbon nanotubes for wide-band, ultrafast pulse generation. <i>ACS Nano</i> , 2014 , 8, 4836-47	16.7	54
33	Ultrafast Raman laser mode-locked by nanotubes. <i>Optics Letters</i> , 2011 , 36, 3996-8	3	52
32	Few-cycle pulses from a graphene mode-locked all-fiber laser. <i>Applied Physics Letters</i> , 2015 , 106, 253101	3.4	34
31	Stable, Surfactant-Free Graphene/Styrene Methylmethacrylate Composite for Ultrafast Lasers. <i>Advanced Optical Materials</i> , 2016 , 4, 1088-1097	8.1	29

30	7.8-GHz Graphene-Based 2- μ m Monolithic Waveguide Laser. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015 , 21, 395-400	3.8	29
29	500fs wideband tunable fiber laser mode-locked by nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 1078-1081	3	28
28	Bound states of solitons in a harmonic graphene-mode-locked fiber laser. <i>Photonics Research</i> , 2019 , 7, 116	6	24
27	Fiber grating compression of giant-chirped nanosecond pulses from an ultra-long nanotube mode-locked fiber laser. <i>Optics Letters</i> , 2015 , 40, 387-90	3	18
26	Scalar Nanosecond Pulse Generation in a Nanotube Mode-Locked Environmentally Stable Fiber Laser. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 1672-1675	2.2	18
25	Evanescent-wave coupled right angled buried waveguide: Applications in carbon nanotube mode-locking. <i>Applied Physics Letters</i> , 2013 , 103, 221117	3.4	18
24	Wavelength tunable soliton rains in a nanotube-mode locked Tm-doped fiber laser. <i>Applied Physics Letters</i> , 2018 , 113, 193102	3.4	18
23	CW-pumped short pulsed 1.12 μ m Raman laser using carbon nanotubes. <i>Laser Physics Letters</i> , 2013 , 10, 015101	1.5	17
22	All-fiber nonlinearity- and dispersion-managed dissipative soliton nanotube mode-locked laser. <i>Applied Physics Letters</i> , 2015 , 107, 241107	3.4	12
21	Graphene passively Q-switched two-micron fiber lasers 2012 ,		10
20	Smart CMOS mid-infrared sensor array. <i>Optics Letters</i> , 2019 , 44, 4111-4114	3	10
19	A CMOS-Based Thermopile Array Fabricated on a Single SiO ₂ Membrane. <i>Proceedings (mdpi)</i> , 2018 , 2, 878	0.3	10
18	Double-wall carbon nanotube Q-switched and mode-locked two-micron fiber lasers 2012 ,		7
17	A stable, power scaling, graphene-mode-locked all-fiber oscillator. <i>Applied Physics Letters</i> , 2017 , 110, 243102	3.4	5
16	Crosstalk Analysis of a CMOS Single Membrane Thermopile Detector Array. <i>Sensors</i> , 2020 , 20,	3.8	2
15	Coherent Raman spectroscopy with a grapheme-synchronized all-fiber laser 2017 ,		2
14	Graphene saturable absorber power scaling laser 2014 ,		2
13	Ultrafast Fiber Laser Mode-locked by Graphene Based Saturable Absorber 2010 ,		2

12	Mode-locking by nanotubes of a Raman laser based on a highly doped GeO ₂ fiber 2012 ,		2
11	A highly stable, nanotube-enhanced, CMOS-MEMS thermal emitter for mid-IR gas sensing. <i>Scientific Reports</i> , 2021 , 11, 22915	4.9	2
10	Graphene saturable absorbers for VECSELS 2014 ,		1
9	Dual-wavelength, carbon nanotube mode-locked fiber laser 2012 ,		1
8	Wavelength Tunable Graphene Modelocked VECSEL 2013 ,		1
7	Sub-100fs pulse generation from a fiber oscillator mode-locked by nanotubes 2011 ,		1
6	Generation of 63-nJ pulses from a fiber oscillator mode-locked by nanotubes 2010 ,		1
5	Miniaturized thermal acoustic gas sensor based on a CMOS microhotplate and MEMS microphone.. <i>Scientific Reports</i> , 2022 , 12, 1690	4.9	1
4	Modeling of CMOS Single Membrane Thermopile Detector Arrays. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	1
3	Characterization of Dynamic Nonlinear Absorption of Carbon Nanotube Saturable Absorber 2010 ,		1
2	Light-Free Cross-Talk Analysis of a CMOS Infrared Detector Array. <i>Proceedings (mdpi)</i> , 2020 , 56, 10	0.3	
1	Miniaturized Thermal Acoustic Gas Sensor Based on a CMOS Microhotplate and MEMS Microphone. <i>Proceedings (mdpi)</i> , 2020 , 56, 3	0.3	