

# Daniel Popa

## 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.

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	Miniaturized thermal acoustic gas sensor based on a CMOS microhotplate and MEMS microphone.. <i>Scientific Reports</i> , <b>2022</b> , 12, 1690	4.9	1
46	A highly stable, nanotube-enhanced, CMOS-MEMS thermal emitter for mid-IR gas sensing. <i>Scientific Reports</i> , <b>2021</b> , 11, 22915	4.9	2
45	Modeling of CMOS Single Membrane Thermopile Detector Arrays. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	1
44	Light-Free Cross-Talk Analysis of a CMOS Infrared Detector Array. <i>Proceedings (mdpi)</i> , <b>2020</b> , 56, 10	0.3	
43	Crosstalk Analysis of a CMOS Single Membrane Thermopile Detector Array. <i>Sensors</i> , <b>2020</b> , 20,	3.8	2
42	Miniaturized Thermal Acoustic Gas Sensor Based on a CMOS Microhotplate and MEMS Microphone. <i>Proceedings (mdpi)</i> , <b>2020</b> , 56, 3	0.3	
41	Revealing the Transition Dynamics from Q Switching to Mode Locking in a Soliton Laser. <i>Physical Review Letters</i> , <b>2019</b> , 123, 093901	7.4	91
40	Towards Integrated Mid-Infrared Gas Sensors. <i>Sensors</i> , <b>2019</b> , 19,	3.8	80
39	Smart CMOS mid-infrared sensor array. <i>Optics Letters</i> , <b>2019</b> , 44, 4111-4114	3	10
38	Bound states of solitons in a harmonic graphene-mode-locked fiber laser. <i>Photonics Research</i> , <b>2019</b> , 7, 116	6	24
37	Wavelength tunable soliton rains in a nanotube-mode locked Tm-doped fiber laser. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 193102	3.4	18
36	A CMOS-Based Thermopile Array Fabricated on a Single SiO <sub>2</sub> Membrane. <i>Proceedings (mdpi)</i> , <b>2018</b> , 2, 878	0.3	10
35	A stable, power scaling, graphene-mode-locked all-fiber oscillator. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 243102	3.4	5
34	Coherent Raman spectroscopy with a grapheme-synchronized all-fiber laser <b>2017</b> ,		2
33	Stable, Surfactant-Free GrapheneStyrene Methylmethacrylate Composite for Ultrafast Lasers. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1088-1097	8.1	29
32	Few-cycle pulses from a graphene mode-locked all-fiber laser. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 253101	3.4	34
31	All-fiber nonlinearity- and dispersion-managed dissipative soliton nanotube mode-locked laser. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 241107	3.4	12

30	Fiber grating compression of giant-chirped nanosecond pulses from an ultra-long nanotube mode-locked fiber laser. <i>Optics Letters</i> , <b>2015</b> , 40, 387-90	3	18
29	7.8-GHz Graphene-Based 2- $\mu$ m Monolithic Waveguide Laser. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2015</b> , 21, 395-400	3.8	29
28	Double-wall carbon nanotubes for wide-band, ultrafast pulse generation. <i>ACS Nano</i> , <b>2014</b> , 8, 4836-47	16.7	54
27	Graphene saturable absorbers for VECSELS <b>2014</b> ,		1
26	Graphene saturable absorber power scaling laser <b>2014</b> ,		2
25	Scalar Nanosecond Pulse Generation in a Nanotube Mode-Locked Environmentally Stable Fiber Laser. <i>IEEE Photonics Technology Letters</i> , <b>2014</b> , 26, 1672-1675	2.2	18
24	1.5 GHz picosecond pulse generation from a monolithic waveguide laser with a graphene-film saturable output coupler. <i>Optics Express</i> , <b>2013</b> , 21, 7943-50	3.3	98
23	CW-pumped short pulsed 1.12 $\mu$ m Raman laser using carbon nanotubes. <i>Laser Physics Letters</i> , <b>2013</b> , 10, 015101	1.5	17
22	Wavelength Tunable Graphene Modelocked VECSEL <b>2013</b> ,		1
21	Mid-infrared Raman-soliton continuum pumped by a nanotube-mode-locked sub-picosecond Tm-doped MOPFA. <i>Optics Express</i> , <b>2013</b> , 21, 23261-71	3.3	64
20	Ultrafast and widely tuneable vertical-external-cavity surface-emitting laser, mode-locked by a graphene-integrated distributed Bragg reflector. <i>Optics Express</i> , <b>2013</b> , 21, 31548-59	3.3	91
19	Evanescent-wave coupled right angled buried waveguide: Applications in carbon nanotube mode-locking. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 221117	3.4	18
18	500fs wideband tunable fiber laser mode-locked by nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2012</b> , 44, 1078-1081	3	28
17	Double-wall carbon nanotube Q-switched and mode-locked two-micron fiber lasers <b>2012</b> ,		7
16	74-fs nanotube-mode-locked fiber laser. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 153107	3.4	101
15	Dual-wavelength, carbon nanotube mode-locked fiber laser <b>2012</b> ,		1
14	Graphene passively Q-switched two-micron fiber lasers <b>2012</b> ,		10
13	Tm-doped fiber laser mode-locked by graphene-polymer composite. <i>Optics Express</i> , <b>2012</b> , 20, 25077-84	3.3	233

12	Mode-locking by nanotubes of a Raman laser based on a highly doped GeO <sub>2</sub> fiber <b>2012</b> ,		2
11	Ultrafast Raman laser mode-locked by nanotubes. <i>Optics Letters</i> , <b>2011</b> , 36, 3996-8	3	52
10	Sub-100fs pulse generation from a fiber oscillator mode-locked by nanotubes <b>2011</b> ,		1
9	Graphene Q-switched, tunable fiber laser. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 073106	3-4	351
8	Generation of 63-nJ pulses from a fiber oscillator mode-locked by nanotubes <b>2010</b> ,		1
7	Ultrafast Fiber Laser Mode-locked by Graphene Based Saturable Absorber <b>2010</b> ,		2
6	Graphene mode-locked ultrafast laser. <i>ACS Nano</i> , <b>2010</b> , 4, 803-10	16.7	1547
5	Sub 200 fs pulse generation from a graphene mode-locked fiber laser. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 203106	3-4	344
4	A stable, wideband tunable, near transform-limited, graphene-mode-locked, ultrafast laser. <i>Nano Research</i> , <b>2010</b> , 3, 653-660	10	295
3	Solution-phase exfoliation of graphite for ultrafast photonics. <i>Physica Status Solidi (B): Basic Research</i> , <b>2010</b> , 247, 2953-2957	1-3	152
2	Characterization of Dynamic Nonlinear Absorption of Carbon Nanotube Saturable Absorber <b>2010</b> ,		1
1	A compact, high power, ultrafast laser mode-locked by carbon nanotubes. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 253102	3-4	98