

# Soile Suomalainen

## List of Publications by Year in descending order

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	SESAM mode-locked Tm:CALGO laser at 2 $\mu\text{m}$ . Optical Materials Express, 2016, 6, 131.	3.0	59
2	Sub-10 optical-cycle passively mode-locked Tm:(Lu <sup>2/3</sup> Sc <sup>1/3</sup> ) <sub>2</sub> O <sub>3</sub> ceramic laser at 2 $\mu\text{m}$ . Optics Express, 2018, 26, 10299.	3.4	59
3	Giant Thermovoltage in Single InAs Nanowire Field-Effect Transistors. Nano Letters, 2013, 13, 3638-3642.	9.1	56
4	87-fs mode-locked Tm,Ho:CaYAlO <sub>4</sub> laser at 2043 nm. Optics Letters, 2018, 43, 3915.	3.3	56
5	GaSb-based SESAM mode-locked Tm:YAG ceramic laser at 2 $\mu\text{m}$ . Optics Express, 2015, 23, 1361.	3.4	48
6	High-power and broadly tunable GaSb-based optically pumped VECSELS emitting near 2 $\mu\text{m}$ . Journal of Crystal Growth, 2009, 311, 1917-1919.	1.5	45
7	Mode-locking of 2 $\mu\text{m}$ Tm,Ho:YAG laser with GaInAs and GaSb-based SESAMs. Optics Express, 2013, 21, 4311.	3.4	37
8	Picosecond passively mode-locked GaSb-based semiconductor disk laser operating at 2 $\mu\text{m}$ . Optics Letters, 2010, 35, 4090.	3.3	36
9	Evidence of Optical Circular Dichroism in GaAs-Based Nanowires Partially Covered with Gold. Advanced Optical Materials, 2017, 5, 1601063.	7.3	35
10	Harmonically mode-locked VECSELS for multi-GHz pulse train generation. Optics Express, 2007, 15, 955.	3.4	33
11	Absorption recovery dynamics in 2 $\mu\text{m}$ GaSb-based SESAMs. Journal Physics D: Applied Physics, 2014, 47, 065102.	2.8	31
12	Broadly tunable mode-locked Ho:YAG ceramic laser around 21 $\mu\text{m}$ . Optics Express, 2016, 24, 18003.	3.4	31
13	GaSb-based semiconductor saturable absorber mirrors for mode-locking 2 $\mu\text{m}$ semiconductor disk lasers. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 294-297.	0.8	23
14	Power scalable semiconductor disk laser using multiple gain cavity. Optics Express, 2006, 14, 12868.	3.4	22
15	High power (60 mW) GaSb-based 1.9 $\mu\text{m}$ superluminescent diode with cavity suppression element. Applied Physics Letters, 2016, 109, .	3.3	21
16	Semiconductor Disk Lasers: Recent Advances in Generation of Yellow-Orange and Mid-IR Radiation. Advances in Optical Technologies, 2012, 2012, 1-19.	0.8	20
17	Mode-locked Tm,Ho:KLu(WO <sub>4</sub> ) <sub>2</sub> laser at 2060 nm using InGaSb-based SESAMs. Optics Express, 2015, 23, 4614.	3.4	20
18	High Spectral Purity High-Power GaSb-Based DFB Laser Fabricated by Nanoimprint Lithography. IEEE Photonics Technology Letters, 2016, 28, 1233-1236.	2.5	17

#	ARTICLE	IF	CITATIONS
19	Thulium doped LuAG ceramics for passively mode locked lasers. Optics Express, 2017, 25, 7084.	3.4	17
20	GaSb superluminescent diodes with broadband emission at 2.55 $\mu\text{m}$ . Applied Physics Letters, 2018, 112, .	3.3	15
21	134 $\mu\text{m}$ VECSEL mode-locked with a GaSb-based SESAM. Optics Letters, 2018, 43, 3353.	3.3	10
22	Cavity-enhanced saturable and two-photon absorption in semiconductors. Applied Physics Letters, 2005, 87, 211105.	3.3	7
23	Diode-pumped Tm:KY(WO <sub>4</sub> ) <sub>2</sub> laser passively modelocked with a GaSb-SESAM. Optics Express, 2017, 25, 25760.	3.4	7
24	52-fs SESAM Mode-Locked Tm,Ho:CALGO Laser. , 2019, , .		7
25	Multi-wavelength mid-IR light source for gas sensing. Proceedings of SPIE, 2017, , .	0.8	6
26	Gradients of Be-dopant concentration in self-catalyzed GaAs nanowires. Nanotechnology, 2019, 30, 335709.	2.6	6
27	Post-growth annealing of type-II GaSb/GaAs quantum dots grown with different V/III ratios. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 1103-1107.	3.5	5
28	Ho:KY(WO <sub>4</sub> ) <sub>2</sub> thin-disk laser passively Q-switched by a GaSb-based SESAM. Optics Express, 2018, 26, 9011.	3.4	5
29	MBE grown optically pumped semiconductor disk lasers emitting at 940nm. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 147, 161-165.	3.5	4
30	Integrated multi-wavelength mid-IR light source for gas sensing. , 2018, , .		4
31	Power Scalable Semiconductor Disk Laser Using Multiple Gain Cavity. , 2007, , .		2
32	Sub-10 optical-cycle mode-locked Tm:(Lu <sub>2</sub> /3Sc <sub>1</sub> /3)2O <sub>3</sub> mixed ceramic laser at 2057 nm. , 2017, , .		2
33	Passively Mode-Locked Tm:LuAG Ceramic Laser. , 2017, , .		1
34	Harmonically mode-locked semiconductor disk lasers with multi-GHz repetition rate. , 2007, , .		0
35	Semiconductor saturable absorbers with recovery time controlled by lattice mismatch. , 2007, , .		0
36	2.5 $\mu\text{m}$ semiconductor disk laser with 130 nm tuning range. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
37	Novel self-catalyzed GaAs nanowires with electrical contacts. , 2016, , .		0
38	Fabrication and characterization of broadband superluminescent diodes for 2 $\hat{1}$ / <sub>4</sub> m wavelength. Proceedings of SPIE, 2016, , .	0.8	0
39	Sub-60 fs SESAM Mode-Locked Tm:LuYO3 Ceramic Laser. , 2019, , .		0
40	430-fs pulses from a SESAM mode-locked GaSb disk laser emitting at 2 $\hat{A}$ $\mu$ m. , 2011, , .		0
41	SESAM mode-locked Tm:CALGO laser at 2 $\hat{1}$ / <sub>4</sub> m. , 2015, , .		0
42	In-band-pumped mode-locked Ho:YAG ceramic laser at 2.1 $\hat{1}$ / <sub>4</sub> m. , 2016, , .		0