

# Lauren Guillemot

## List of Publications by Year in descending order

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27  
papers

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759233

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888059

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docs citations

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times ranked

115  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient 2.3- $\mu\text{m}$ thulium lasers based on a high-phonon-energy crystal: evidence of vibronic-assisted emissions. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 482.	2.1	23
2	Mid-Infrared Laser Emissions of Tm <sup>3+</sup> -doped Garnets: The Case Study of Disordered Tm:CNGG Crystal. , 2021, , .		0
3	Passively Q-switched Diode-Pumped Thulium Laser at 2305 nm. , 2021, , .		0
4	Design and modeling of a passively Q-switched diode-pumped Thulium laser at 2.3 $\mu\text{m}$ . Optics Communications, 2021, 500, 127219.	2.1	5
5	Watt-level mid-infrared continuous-wave Tm:YAG laser operating on the 3H <sub>4</sub> $\rightarrow$ 3H <sub>5</sub> transition. Optical Materials, 2020, 101, 109745.	3.6	22
6	Passive Q-switching of a Tm <sup>3+</sup> :LiYF <sub>4</sub> waveguide laser by Cr <sup>2+</sup> :ZnSe and Co <sup>2+</sup> :ZnSe saturable absorbers. Optical Materials, 2020, 107, 110116.	3.6	1
7	Guided-mode resonance filter extended-cavity diode laser. Laser Physics, 2020, 30, 035802.	1.2	4
8	Passively mode-locked diode-pumped Tm,Ho:LiYF <sub>4</sub> laser. Laser Physics Letters, 2020, 17, 045801.	1.4	6
9	Emission properties of Tm <sup>3+</sup> -doped CaF <sub>2</sub> , KY <sub>3</sub> F <sub>10</sub> , LiYF <sub>4</sub> , LiLuF <sub>4</sub> and BaY <sub>2</sub> F <sub>8</sub> crystals at 1.5 $\mu\text{m}$ and 2.3 $\mu\text{m}$ . Journal of Luminescence, 2020, 225, 117279.	3.1	19
10	Polarized spectroscopy and laser operation of Tm <sup>3+</sup> :YAlO <sub>3</sub> crystal on the 3H <sub>4</sub> $\rightarrow$ 3H <sub>5</sub> transition. , 2020, , .		5
11	Watt-level diode-pumped thulium lasers around 2.3- $\mu\text{m}$ . Applied Optics, 2020, 59, 7530.	1.8	19
12	Close look on cubic Tm:KY <sub>3</sub> F <sub>10</sub> crystal for highly efficient lasing on the <sup>3</sup> H <sub>4</sub> $\rightarrow$ <sup>3</sup> H <sub>5</sub> transition. Optics Express, 2020, 28, 3451.	3.4	45
13	Channel waveguide lasers in bulk Tm:LiYF <sub>4</sub> produced by deep diamond-saw dicing. Optics Express, 2020, 28, 26676.	3.4	5
14	Watt-level efficient 2.3- $\mu\text{m}$ thulium fluoride fiber laser. Optics Letters, 2020, 45, 5788.	3.3	20
15	Excited-State Absorption Spectroscopy of Thulium-Doped Fluoride Crystals for Upconversion Pumping. , 2020, , .		0
16	Watt-Level Thulium Laser Operating on the 3H <sub>4</sub> $\rightarrow$ 3H <sub>5</sub> Transition with ~70% Slope Efficiency. , 2020, , .		0
17	Thulium Fluoride Fiber Laser at 2.27 $\mu\text{m}$ Pumped by Upconversion with an Ytterbium Fiber Laser. , 2020, , .		0
18	SESAM-mode-locked Tm:KY <sub>3</sub> F <sub>10</sub> laser at 2340 nm. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Efficient Tm:LiYF <sub>4</sub> Lasers at $\sim 2.3\text{-}\mu\text{m}$ : Effect of Energy-Transfer Upconversion. IEEE Journal of Quantum Electronics, 2019, 55, 1-12.	1.9	36
20	Liquid Phase Epitaxy Growth, Spectroscopy and First Laser Operation of Yb <sup>3+</sup> :CaF <sub>2</sub> Waveguides. , 2019, , .		0
21	Ytterbium calcium fluoride waveguide laser. Optics Express, 2019, 27, 12647.	3.4	15
22	Laser operation of highly-doped Tm:LiYF <sub>4</sub> epitaxies: towards thin-disk lasers. Optics Express, 2019, 27, 9287.	3.4	16
23	In-band pumping of Tm:LiYF <sub>4</sub> channel waveguide: a power scaling strategy for $\sim 2\text{-}\mu\text{m}$ waveguide lasers. Optics Letters, 2019, 44, 3010.	3.3	25
24	Thulium laser at $\sim 2.3\text{-}\mu\text{m}$ based on upconversion pumping. Optics Letters, 2019, 44, 4071.	3.3	38
25	Continuous-wave Tm:YAlO <sub>3</sub> laser at $\sim 2.3\text{-}\mu\text{m}$ . Optics Letters, 2019, 44, 5077.	3.3	39
26	Passive Q-switching of a Tm:LiYF <sub>4</sub> Waveguide Laser by Cr <sup>2+</sup> :ZnSe and Co <sup>2+</sup> :ZnSe Saturable Absorbers. , 2019, , .		0
27	Efficient bulk and waveguide Tm:LiYF <sub>4</sub> lasers at 2306 nm. , 2018, , .		0