

# Lauren Guillemot

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

343  
citations

759233

12  
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888059

17  
g-index

27  
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27  
docs citations

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times ranked

115  
citing authors

#	ARTICLE	IF	CITATIONS
1	Close look on cubic Tm:KY <sub>3</sub> F <sub>10</sub> crystal for highly efficient lasing on the $^3H_3 \rightarrow ^3H_4$ $\hat{=}$ $^3H_3 \rightarrow ^3H_5$ transition. Optics Express, 2020, 28, 3451.	3.4	45
2	Continuous-wave Tm:YAlO <sub>3</sub> laser at $\hat{=}^1_423\hat{=}^1_4\mu\text{m}$ . Optics Letters, 2019, 44, 5077.	3.3	39
3	Thulium laser at $\hat{=}^1_423\hat{=}^1_4\mu\text{m}$ based on upconversion pumping. Optics Letters, 2019, 44, 4071.	3.3	38
4	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
5	In-band pumping of Tm:LiYF <sub>4</sub> channel waveguide: a power scaling strategy for $\hat{=}^1_42\hat{=}^1_4\mu\text{m}$ waveguide lasers. Optics Letters, 2019, 44, 3010.	3.3	25
6	Highly efficient $2.3\hat{=}^1_4\mu\text{m}$ 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
7	Watt-level mid-infrared continuous-wave Tm:YAG laser operating on the $3H_4 \hat{=}^1_4 3H_5$ transition. Optical Materials, 2020, 101, 109745.	3.6	22
8	Watt-level efficient $2.3\hat{=}^1_4\mu\text{m}$ thulium fluoride fiber laser. Optics Letters, 2020, 45, 5788.	3.3	20
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 $1.5\hat{=}^1_4\mu\text{m}$ and $2.3\hat{=}^1_4\mu\text{m}$ . Journal of Luminescence, 2020, 225, 117279.	3.1	19
10	Watt-level diode-pumped thulium lasers around $2.3\hat{=}^1_4\mu\text{m}$ . Applied Optics, 2020, 59, 7530.	1.8	19
11	Laser operation of highly-doped Tm:LiYF <sub>4</sub> epitaxies: towards thin-disk lasers. Optics Express, 2019, 27, 9287.	3.4	16
12	Ytterbium calcium fluoride waveguide laser. Optics Express, 2019, 27, 12647.	3.4	15
13	Passively mode-locked diode-pumped Tm,Ho:LiYF <sub>4</sub> laser. Laser Physics Letters, 2020, 17, 045801.	1.4	6
14	Design and modeling of a passively Q-switched diode-pumped Thulium laser at $2.3\text{ }\mu\text{m}$ . Optics Communications, 2021, 500, 127219.	2.1	5
15	Polarized spectroscopy and laser operation of Tm <sup>3+</sup> :YAlO <sub>3</sub> crystal on the $3H_4 \hat{=}^1_4 3H_5$ transition. , 2020, , .		5
16	Channel waveguide lasers in bulk Tm:LiYF <sub>4</sub> produced by deep diamond-saw dicing. Optics Express, 2020, 28, 26676.	3.4	5
17	Guided-mode resonance filter extended-cavity diode laser. Laser Physics, 2020, 30, 035802.	1.2	4
18	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

#	ARTICLE	IF	CITATIONS
19	Liquid Phase Epitaxy Growth, Spectroscopy and First Laser Operation of Yb <sup>3+</sup> :CaF <sub>2</sub> Waveguides. , 2019, , .		0
20	Mid-Infrared Laser Emissions of Tm <sup>3+</sup> -doped Garnets: The Case Study of Disordered Tm:CNGG Crystal. , 2021, , .		0
21	Passively Q-switched Diode-Pumped Thulium Laser at 2305 nm. , 2021, , .		0
22	Efficient bulk and waveguide Tm:LiYF <sub>4</sub> lasers at 2306 nm. , 2018, , .		0
23	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
24	Excited-State Absorption Spectroscopy of Thulium-Doped Fluoride Crystals for Upconversion Pumping. , 2020, , .		0
25	Watt-Level Thulium Laser Operating on the 3H <sub>4</sub> → 3H <sub>5</sub> Transition with ~70% Slope Efficiency. , 2020, , .		0
26	Thulium Fluoride Fiber Laser at 2.27 μm Pumped by Upconversion with an Ytterbium Fiber Laser. , 2020, , .		0
27	SESAM-mode-locked Tm:KY <sub>3</sub> F <sub>10</sub> laser at 2340 nm. , 2020, , .		0