

# Dimitri Geskus

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,091  
citations

471061

17  
h-index

642321

23  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1013  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Fabry-Pérot resonator: spectral line shapes, generic and related Airy distributions, linewidths, finesses, and performance at low or frequency-dependent reflectivity. Optics Express, 2016, 24, 16366.   | 1.7  | 177       |
| 2  | Reliable Low-Cost Fabrication of Low-Loss $\text{Al}_2\text{O}_3/\text{Er}^{3+}$ Waveguides With 5.4-dB Optical Gain. IEEE Journal of Quantum Electronics, 2009, 45, 454-461.   | 1.0  | 133       |
| 3  | Engineering lattice matching, doping level, and optical properties of $\text{KY}(\text{WO}_4)_2:\text{Gd}, \text{Lu}, \text{Yb}$ layers for a cladding-side-pumped channel waveguide laser. Applied Physics B: Lasers and Optics, 2013, 111, 433-446. | 1.1  | 105       |
| 4  | Hybrid integrated $\text{InP-Si}_3\text{N}_4$ diode laser with a 40-Hz intrinsic linewidth. Optics Express, 2020, 28, 21713.  | 1.7  | 87        |
| 5  | Giant Optical Gain in a Rare-Earth-Doped Microstructure. Advanced Materials, 2012, 24, OP19-22.   | 11.1 | 74        |
| 6  | 8-8 reconfigurable quantum photonic processor based on silicon nitride waveguides. Optics Express, 2019, 27, 26842.   | 1.7  | 70        |
| 7  | Microstructured $\text{KY}(\text{WO}_4)_2:\text{Gd}^{3+}, \text{Lu}^{3+}, \text{Yb}^{3+}$ channel waveguide laser. Optics Express, 2010, 18, 8853.  | 1.7  | 64        |
| 8  | High-power, broadly tunable, and low-quantum-defect $\text{KGd}_{1-x}\text{Lu}_x(\text{WO}_4)_2:\text{Yb}^{3+}$ channel waveguide lasers. Optics Express, 2010, 18, 26107.  | 1.7  | 58        |
| 9  | Low-threshold, highly efficient $\text{Gd}^{3+}, \text{Lu}^{3+}$ -co-doped $\text{KY}(\text{WO}_4)_2:\text{Yb}^{3+}$ planar waveguide lasers. Laser Physics Letters, 2009, 6, 800-805.  | 0.6  | 54        |
| 10 | Neodymium-complex-doped photodefined polymer channel waveguide amplifiers. Optics Letters, 2009, 34, 473.   | 1.7  | 43        |
| 11 | Efficient $\text{KY}_{1-x}\text{Gd}_x\text{Lu}_y(\text{WO}_4)_2:\text{Tm}^{3+}$ channel waveguide lasers. Optics Express, 2011, 19, 5277.   | 1.7  | 35        |
| 12 | Flip-Chip Integration of InP to SiN Photonic Integrated Circuits. Journal of Lightwave Technology, 2020, 38, 2630-2636.   | 2.7  | 31        |
| 13 | Highly efficient $\text{Yb}^{3+}$ -doped channel waveguide laser at 981 nm. Optics Express, 2013, 21, 13773.  | 1.7  | 25        |
| 14 | True Time Delay Optical Beamforming Network Based on Hybrid InP-Silicon Nitride Integration. Journal of Lightwave Technology, 2021, 39, 5845-5854.  | 2.7  | 23        |
| 15 | Ring resonator enhanced mode-hop-free wavelength tuning of an integrated extended-cavity laser. Optics Express, 2020, 28, 5669.   | 1.7  | 22        |
| 16 | Linewidth narrowing via low-loss dielectric waveguide feedback circuits in hybrid integrated frequency comb lasers. Optics Express, 2019, 27, 13307.  | 1.7  | 20        |
| 17 | Diode-side-pumped continuous wave $\text{Nd}^{3+}:\text{YVO}_4$ self-Raman laser at 1176 nm. Optics Letters, 2015, 40, 3524.  | 1.7  | 18        |
| 18 | Quasi-continuous wave Raman lasers at 990 and 976 nm based on a three-level Nd:YLF laser. Optics Letters, 2014, 39, 2982.   | 1.7  | 17        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Integrated lasers in crystalline double tungstates with focused-ion-beam nanostructured photonic cavities. Laser Physics Letters, 2011, 8, 423-430.         | 0.6 | 11        |
| 20 | Temperature dependence of the spectral characteristics of distributed-feedback resonators. Optics Express, 2018, 26, 4892.                                  | 1.7 | 10        |
| 21 | Intracavity frequency converted Raman laser producing 10 deep blue to cyan emission lines with up to 0.94 W output power. Optics Letters, 2014, 39, 6799.   | 1.7 | 9         |
| 22 | High spectral purity microwave generation using a dual-frequency hybrid integrated semiconductor-dielectric waveguide laser. OSA Continuum, 2021, 4, 2133.  | 1.8 | 4         |
| 23 | Optimization of Al <sub>2</sub> O <sub>3</sub> :Er <sup>3+</sup> waveguide technology for active integrated optical devices. Proceedings of SPIE, 2008, , . | 0.8 | 1         |
| 24 | Monoclinic double tungstate waveguide amplifiers and microlasers. , 2011, , .   |     | 0         |
| 25 | Ten deep blue to cyan emission lines from an intracavity frequency converted Raman laser. , 2015, , .   |     | 0         |
| 26 | The linewidth of distributed feedback resonators: the combined effect of thermally induced chirp and gain narrowing. Proceedings of SPIE, 2017, , .         | 0.8 | 0         |
| 27 | Giant Optical Gain in a Rare-earth-ion-doped Waveguide. , 2011, , .   |     | 0         |
| 28 | Ten deep-blue to cyan laser emission lines from 451 nm to 495 nm using Nd:YLF-KGW-LBO intracavity Raman laser. , 2014, , .                                  |     | 0         |
| 29 | 45W CW TEM <sub>00</sub> mode diode-side-pumped Nd:YAG rod laser with linearly polarized beam. , 2014, , .  |     | 0         |
| 30 | Temperature dependence of spectral characteristics of distributed feedback resonators. , 2018, , .  |     | 0         |