

# Tobias Vogl

## List of Publications by Year in descending order

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17  
papers

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citations

840776

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1199594

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17  
docs citations

17  
times ranked

598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication and Deterministic Transfer of High-Quality Quantum Emitters in Hexagonal Boron Nitride. ACS Photonics, 2018, 5, 2305-2312.	6.6	100
2	Radiation tolerance of two-dimensional material-based devices for space applications. Nature Communications, 2019, 10, 1202.	12.8	91
3	Compact Cavity-Enhanced Single-Photon Generation with Hexagonal Boron Nitride. ACS Photonics, 2019, 6, 1955-1962.	6.6	83
4	Atomic localization of quantum emitters in multilayer hexagonal boron nitride. Nanoscale, 2019, 11, 14362-14371.	5.6	46
5	1D $\text{p-n}$ Junction Electronic and Optoelectronic Devices from Transition Metal Dichalcogenide Lateral Heterostructures Grown by One-Pot Chemical Vapor Deposition Synthesis. Advanced Functional Materials, 2021, 31, 2101086.	14.9	38
6	Room temperature single photon source using fiber-integrated hexagonal boron nitride. Journal Physics D: Applied Physics, 2017, 50, 295101.	2.8	37
7	Supertransport of excitons in atomically thin organic semiconductors at the 2D quantum limit. Light: Science and Applications, 2020, 9, 116.	16.6	32
8	Spatial Mode Side Channels in Free-Space QKD Implementations. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 187-191.	2.9	22
9	Space Qualification of Ultrafast Laser-Written Integrated Waveguide Optics. Laser and Photonics Reviews, 2021, 15, 2000167.	8.7	17
10	Sensitive single-photon test of extended quantum theory with two-dimensional hexagonal boron nitride. Physical Review Research, 2021, 3, .	3.6	15
11	Tailoring the Emission Wavelength of Color Centers in Hexagonal Boron Nitride for Quantum Applications. Nanomaterials, 2022, 12, 2427.	4.1	13
12	Integrated quantum key distribution sender unit for daily-life implementations. Proceedings of SPIE, 2016, , .	0.8	7
13	Handheld Quantum Key Distribution. , 2017, , .		2
14	Open Source Experiments in Quantum Photonics: an Affordable Approach. , 2021, , .		1
15	Qualification of Femtosecond Laser-Written Waveguides for Space Environment. , 2021, , .		0
16	Lateral Heterostructures: 1D $\text{p-n}$ Junction Electronic and Optoelectronic Devices from Transition Metal Dichalcogenide Lateral Heterostructures Grown by One-Pot Chemical Vapor Deposition Synthesis (Adv. Funct. Mater. 27/2021). Advanced Functional Materials, 2021, 31, 2170198.	14.9	0
17	OPEN SOURCE EXPERIMENTS IN QUANTUM PHOTONICS: AN AFFORDABLE APPROACH. EDULEARN Proceedings, 2022, , .	0.0	0