

Torsten Rendler

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,451
citations

687363

13
h-index

1058476

14
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15
all docs

15
docs citations

15
times ranked

2064
citing authors

#	ARTICLE	IF	CITATIONS
1	Association of Nanodiamond Rotation Dynamics with Cell Activities by Translation-Rotation Tracking. Nano Letters, 2021, 21, 3393-3400.	9.1	17
2	Electrical Charge State Manipulation of Single Silicon Vacancies in a Silicon Carbide Quantum Optoelectronic Device. Nano Letters, 2019, 19, 7173-7180.	9.1	61
3	Coherent electrical readout of defect spins in silicon carbide by photo-ionization at ambient conditions. Nature Communications, 2019, 10, 5569.	12.8	43
4	Robust and efficient quantum optimal control of spin probes in a complex (biological) environment. Towards sensing of fast temperature fluctuations. New Journal of Physics, 2018, 20, 123013.	2.9	19
5	Supported Lipid Bilayers on Fluorescent Nanodiamonds: A Structurally Defined and Versatile Coating for Bioapplications. Advanced Functional Materials, 2018, 28, 1803406.	14.9	19
6	Bright single photon sources in lateral silicon carbide light emitting diodes. Applied Physics Letters, 2018, 112, .	3.3	33
7	Scalable Quantum Photonics with Single Color Centers in Silicon Carbide. Nano Letters, 2017, 17, 1782-1786.	9.1	129
8	Optical imaging of localized chemical events using programmable diamond quantum nanosensors. Nature Communications, 2017, 8, 14701.	12.8	135
9	Scalable Quantum Photonics with Single Color Centers in Silicon Carbide. , 2017, , .		2
10	Enhancing quantum sensing sensitivity by a quantum memory. Nature Communications, 2016, 7, 12279.	12.8	115
11	Single molecule DNA detection with an atomic vapor notch filter. EPJ Quantum Technology, 2015, 2, .	6.3	6
12	Coherent control of single spins in silicon carbide at room temperature. Nature Materials, 2015, 14, 164-168.	27.5	472
13	Molecular-sized fluorescent nanodiamonds. Nature Nanotechnology, 2014, 9, 54-58.	31.5	229
14	Boosting nanodiamond fluorescence: towards development of brighter probes. Nanoscale, 2013, 5, 3208.	5.6	107
15	Readout and control of a single nuclear spin with a metastable electron spin ancilla. Nature Nanotechnology, 2013, 8, 487-492.	31.5	64