

Emilie Bourgeois

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

245
citations

1478505

6
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

370
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic field sensitivity of the photoelectrically read nitrogen-vacancy centers in diamond. Applied Physics Letters, 2022, 120, 162402.	3.3	1
2	Fundamentals of photoelectric readout of spin states in diamond. Semiconductors and Semimetals, 2021, , 105-147.	0.7	2
3	A Label-Free Diamond Microfluidic DNA Sensor Based on Active Nitrogen-Vacancy Center Charge State Control. ACS Applied Materials & Interfaces, 2021, 13, 18500-18510.	8.0	25
4	Room-temperature control and electrical readout of individual nitrogen-vacancy nuclear spins. Nature Communications, 2021, 12, 4421.	12.8	20
5	Photoelectric Detection and Quantum Readout of Nitrogen-Vacancy Center Spin States in Diamond. Advanced Optical Materials, 2020, 8, 1902132.	7.3	28
6	Microfluidic Diamond Biosensor Using NV Centre Charge State Detection. IFMBE Proceedings, 2019, , 27-31.	0.3	1
7	Photoelectrical imaging and coherent spin-state readout of single nitrogen-vacancy centers in diamond. Science, 2019, 363, 728-731.	12.6	120
8	On the Possibility of Miniature Diamond-Based Magnetometers Using Waveguide Geometries. Micromachines, 2018, 9, 276.	2.9	14
9	Pulsed Photoelectric Coherent Manipulation and Detection of $N\hat{\alpha}V$ Center Spins in Diamond. Physical Review Applied, 2017, 7, .	3.8	27
10	Publisher's Note: Pulsed Photoelectric Coherent Manipulation and Detection of $N\hat{\alpha}V$ Center Spins In Diamond [Phys. Rev. Applied 7 , 044032 (2017)]. Physical Review Applied, 2017, 7, .	3.8	5
11	Photoelectric Detection of Nitrogen-Vacancy Centers Magnetic Resonances in Diamond: Role of Charge Exchanges with Other Optoelectrically Active Defects. Advanced Quantum Technologies, 0, , 2100153.	3.9	2