Emilie Bourgeois

List of Publications by Year
in descending order

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	Photoelectrical imaging and coherent spin-state readout of single nitrogen-vacancy centers in diamond. Science, 2019, 363, 728-731.	12.6	120
2	Photoelectric Detection and Quantum Readout of Nitrogenâ€Vacancy Center Spin States in Diamond. Advanced Optical Materials, 2020, 8, 1902132.	7.3	28
3	Pulsed Photoelectric Coherent Manipulation and Detection of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">N</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>V</mml:mi></mml:mrow></mml:math> Center Spins in Diamond. Physical Review Applied, 2017, 7, .	3.8	27
4	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
5	Room-temperature control and electrical readout of individual nitrogen-vacancy nuclear spins. Nature Communications, 2021, 12, 4421.	12.8	20
6	On the Possibility of Miniature Diamond-Based Magnetometers Using Waveguide Geometries. Micromachines, 2018, 9, 276.	2.9	14
7	Publisherâ€™s Note: Pulsed Photoelectric Coherent Manipulation and Detection of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">N</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>V</mml:mi></mml:mrow></mml:math> Center Spins In Diamond [Phys. Rev. Applied 7 , 044032 (2017)]. Physical Review Applied, 2017, 7, .	3.8	5
8	Fundaments of photoelectric readout of spin states in diamond. Semiconductors and Semimetals, 2021, , 105-147.	0.7	2
9	Photoelectric Detection of Nitrogenâ€Vacancy Centers Magnetic Resonances in Diamond: Role of Charge Exchanges with Other Optoelectrically Active Defects. Advanced Quantum Technologies, 0, , 2100153.	3.9	2
10	Microfluidic Diamond Biosensor Using NV Centre Charge State Detection. IFMBE Proceedings, 2019, , 27-31.	0.3	1
11	Magnetic field sensitivity of the photoelectrically read nitrogen-vacancy centers in diamond. Applied Physics Letters, 2022, 120, 162402.	3.3	1