

# John F Barry

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12041329/publications.pdf>

Version: 2024-02-01

9  
papers

1,399  
citations

1040056

9  
h-index

1474206

9  
g-index

9  
all docs

9  
docs citations

9  
times ranked

1399  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity optimization for NV-diamond magnetometry. <i>Reviews of Modern Physics</i> , 2020, 92, .	45.6	496
2	Optical magnetic detection of single-neuron action potentials using quantum defects in diamond. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14133-14138.	7.1	397
3	Simultaneous Broadband Vector Magnetometry Using Solid-State Spins. <i>Physical Review Applied</i> , 2018, 10, .	3.8	143
4	Decoherence of ensembles of nitrogen-vacancy centers in diamond. <i>Physical Review B</i> , 2020, 102, .	3.2	102
5	Ultralong Dephasing Times in Solid-State Spin Ensembles via Quantum Control. <i>Physical Review X</i> , 2018, 8, .	8.9	100
6	Mapping the microscale origins of magnetic resonance image contrast with subcellular diamond magnetometry. <i>Nature Communications</i> , 2018, 9, 131.	12.8	92
7	Cavity-enhanced microwave readout of a solid-state spin sensor. <i>Nature Communications</i> , 2021, 12, 1357.	12.8	32
8	Photoluminescence Decomposition Analysis: A Technique to Characterize $N$ - $V$ Creation in Diamond. <i>Physical Review Applied</i> , 2020, 20, .	3.8	25
9	Hamiltonian engineering with constrained optimization for quantum sensing and control. <i>New Journal of Physics</i> , 2019, 21, 023015.	2.9	12