

# 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	Cavity-enhanced microwave readout of a solid-state spin sensor. Nature Communications, 2021, 12, 1357.	12.8	32
2	Decoherence of ensembles of nitrogen-vacancy centers in diamond. Physical Review B, 2020, 102, .	3.2	102
3	Sensitivity optimization for NV-diamond magnetometry. Reviews of Modern Physics, 2020, 92, . Photoluminescence Decomposition Analysis: A Technique to Characterize	45.6	496
4	Creation of Nitrogen Vacancies in Diamond. Physical Review Applied, 2020, 12, 044002.	3.8	25
5	Hamiltonian engineering with constrained optimization for quantum sensing and control. New Journal of Physics, 2019, 21, 023015.	2.9	12
6	Mapping the microscale origins of magnetic resonance image contrast with subcellular diamond magnetometry. Nature Communications, 2018, 9, 131.	12.8	92
7	Simultaneous Broadband Vector Magnetometry Using Solid-State Spins. Physical Review Applied, 2018, 10, .	3.8	143
8	Ultralong Dephasing Times in Solid-State Spin Ensembles via Quantum Control. Physical Review X, 2018, 8, .	8.9	100
9	Optical magnetic detection of single-neuron action potentials using quantum defects in diamond. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14133-14138.	7.1	397