

Sensitivity optimization for NV-diamond magnetometry

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Citation Report

#	ARTICLE	IF	CITATIONS
1	High NV density in a pink CVD diamond grown with N ₂ O addition. Carbon, 2020, 170, 421-429.	5.4	29
2	Is a Quantum Biosensing Revolution Approaching? Perspectives in NV-Assisted Current and Thermal Biosensing in Living Cells. Advanced Quantum Technologies, 2020, 3, 2000066.	1.8	36
3	Electrical Control for Extending the Ramsey Spin Coherence Time of Ion-Implanted Nitrogen-Vacancy Centers in Diamond. Physical Review Applied, 2020, 14, .	1.5	6
4	Decoherence of ensembles of nitrogen-vacancy centers in diamond. Physical Review B, 2020, 102, .	1.1	102
5	Axon hillock currents enable single-neuron-resolved 3D reconstruction using diamond nitrogen-vacancy magnetometry. Communications Physics, 2020, 3, 174.	2.0	3
6	Ultralong Spin-Coherence Times for Rubidium Atoms in Solid Parahydrogen via Dynamical Decoupling. Physical Review Letters, 2020, 125, 043601.	2.9	11
7	Photonic quantum metrology. AVS Quantum Science, 2020, 2, .	1.8	226
8	Detection of narrow lines in the inhomogeneously broadened line of P1 centers in diamond by double modulation EPR spectroscopy. Applied Physics Letters, 2020, 117, 153503.	1.5	1
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10	Electronic and Magneto-Optical Properties of the Molybdenum-Vacancy Center in Zirconia and Its Qubit Applications. Journal of Physical Chemistry C, 2020, 124, 18707-18713.	1.5	7
11	Vector Electrometry in a Wide-Gap-Semiconductor Device Using a Spin-Ensemble Quantum Sensor. Physical Review Applied, 2020, 14, .	1.5	17
12	Optimization of a Diamond Nitrogen Vacancy Centre Magnetometer for Sensing of Biological Signals. Frontiers in Physics, 2020, 8, .	1.0	22
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16	Parabolic Diamond Scanning Probes for Single-Spin Magnetic Field Imaging. Physical Review Applied, 2020, 14, .	1.5	27
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18	Calibration-Free Vector Magnetometry Using Nitrogen-Vacancy Center in Diamond Integrated with Optical Vortex Beam. Nano Letters, 2020, 20, 8267-8272.	4.5	30

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20	Spin-torque oscillation in a magnetic insulator probed by a single-spin sensor. Physical Review B, 2020, 102, .	1.1	17
21	Microwave-Assisted Spectroscopy Technique for Studying Charge State in Nitrogen-Vacancy Ensembles in Diamond. Physical Review Applied, 2020, 14, .	1.5	15
22	Dissipative Quantum Sensing with a Magnetometer Based on Nitrogen-Vacancy Centers in Diamond. Physical Review Applied, 2020, 14, .	1.5	8
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