

Material platforms for spin-based photonic quantum te

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Polytypism driven zero-field splitting of silicon vacancies in 4H-SiC. Physical Review B, 2018, 98, .	1.1	17
2	Preparing multiparticle entangled states of nitrogen-vacancy centers via adiabatic ground-state transitions. Physical Review A, 2018, 98, .	1.0	29
3	Direct writing of single germanium vacancy center arrays in diamond. New Journal of Physics, 2018, 20, 125004.	1.2	28
4	Optimized single-crystal diamond scanning probes for high sensitivity magnetometry. New Journal of Physics, 2018, 20, 125001.	1.2	23
5	Electron paramagnetic resonance signature of point defects in neutron-irradiated hexagonal boron nitride. Physical Review B, 2018, 98, .	1.1	44
6	Growth of polycrystalline and single-crystal CVD diamonds with bright photoluminescence of Ge-V color centers using germane GeH ₄ as the dopant source. Diamond and Related Materials, 2018, 90, 47-53.	1.8	39
7	Quantum technologies with optically interfaced solid-state spins. Nature Photonics, 2018, 12, 516-527.	15.6	581
8	Effects of High-Energy Electron Irradiation on Quantum Emitters in Hexagonal Boron Nitride. ACS Applied Materials & Interfaces, 2018, 10, 24886-24891.	4.0	61
9	Extraordinary synergetic effect of precursors in laser CVD deposition of SiBCN films. Journal of the European Ceramic Society, 2019, 39, 5123-5131.	2.8	17
10	Optical Gating of Resonance Fluorescence from a Single Germanium Vacancy Color Center in Diamond. Physical Review Letters, 2019, 123, 033602.	2.9	31
11	On the route to produce conductive Ni-related color centers in CVD-grown diamond. Multifunctional Materials, 2019, 2, 035001.	2.4	4
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17	Quantum Materials with Atomic Precision: Artificial Atoms in Solids: Ab Initio Design, Control, and Integration of Single Photon Emitters in Artificial Quantum Materials. Advanced Functional Materials, 2019, 29, 1904557.	7.8	11
18	Reliable Nanofabrication of Single-Crystal Diamond Photonic Nanostructures for Nanoscale Sensing. Micromachines, 2019, 10, 718.	1.4	11

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19	Toward Ultrafast Tuning and Triggering Single-Photon Electroluminescence of Color Centers in Silicon Carbide. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1859-1865.	2.0	6
20	Suppression of spectral diffusion by anti-Stokes excitation of quantum emitters in hexagonal boron nitride. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	19
21	Advances in quantum light emission from 2D materials. <i>Nanophotonics</i> , 2019, 8, 2017-2032.	2.9	74
22	Electrical Charge State Manipulation of Single Silicon Vacancies in a Silicon Carbide Quantum Optoelectronic Device. <i>Nano Letters</i> , 2019, 19, 7173-7180.	4.5	61
23	Quantum defects by design. <i>Nanophotonics</i> , 2019, 8, 1867-1888.	2.9	58
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