# Stefan Putz

## List of Publications by Year in descending order



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|---|---|---|---|
| 29 papers | 1,472 citations | 471061 17 h-index | 713013 21 g-index |
| 32 all docs | 32 docs citations | 32 times ranked | 1700 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A coherent spinâ€“photon interface in silicon. Nature, 2018, 555, 599-603. | 13.7 | 296 |
| 2 | Cavity QED with Magnetically Coupled Collective Spin States. Physical Review Letters, 2011, 107, 060502. | 2.9 | 275 |
| 3 | Protecting a spin ensemble against decoherence in the strong-coupling regime of cavity QED. Nature Physics, 2014, 10, 720-724. | 6.5 | 118 |
| 4 | A Waveguide-Coupled On-Chip Single-Photon Source. Physical Review X, 2012, 2, . | 2.8 | 115 |
| 5 | Superradiant emission from colour centres in diamond. Nature Physics, 2018, 14, 1168-1172. | 6.5 | 106 |
| 6 | Implementation of the Dicke Lattice Model in Hybrid Quantum System Arrays. Physical Review Letters, 2014, 113, 023603. | 2.9 | 89 |
| 7 | Strong magnetic coupling of an inhomogeneous nitrogen-vacancy ensemble to a cavity. Physical Review A, 2012, 85, . | 1.0 | 63 |
| 8 | Coherent Coupling of Remote Spin Ensembles via a Cavity Bus. Physical Review Letters, 2017, 118, 140502. | 2.9 | 53 |
| 9 | Solid-state electron spin lifetime limited by phononic vacuum modes. Nature Materials, 2018, 17, 313-317. | 13.3 | 53 |
| 10 | Optical Properties of Vanadium in 4 H Silicon Carbide for Quantum Technology. Physical Review Applied, 2019, 12, . | 1.5 | 51 |
| 11 | Spectral hole burning and its application in microwave photonics. Nature Photonics, 2017, 11, 36-39. | 15.6 | 43 |
| 12 | Electric-field control and noise protection of the flopping-mode spin qubit. Physical Review B, 2019, 100, . | 1.1 | 34 |
| 13 | Non-Markovian dynamics of a single-mode cavity strongly coupled to an inhomogeneously broadened spin ensemble. Physical Review A, 2014, 90, . | 1.0 | 32 |
| 14 | Ultralong relaxation times in bistable hybrid quantum systems. Science Advances, 2017, 3, e1701626. | 4.7 | 31 |
| 15 | Collective strong coupling with homogeneous Rabi frequencies using a 3D lumped element microwave resonator. Applied Physics Letters, 2016, 109, 033508. | 1.5 | 27 |
| 16 | Flopping-mode electric dipole spin resonance. Physical Review Research, 2020, 2, . | 1.3 | 26 |
| 17 | Broadband Purcell enhanced emission dynamics of quantum dots in linear photonic crystal waveguides. Journal of Applied Physics, 2012, 112, . | 1.1 | 19 |
| 18 | Sustained photon pulse revivals from inhomogeneously broadened spin ensembles. Laser and Photonics Reviews, 2016, 10, 1023-1030. | 4.4 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Split-gate cavity coupler for silicon circuit quantum electrodynamics. Applied Physics Letters, 2020, 116, . | 1.5 | 14 |
| 20 | High finesse microcavities in the optical telecom O-band. Applied Physics Letters, 2021, 119, 221112. | 1.5 | 7 |
| 21 | Circuit Cavity QED with Macroscopic Solid-State Spin Ensembles. Springer Theses, 2017, , . | 0.0 | 3 |
| 22 | Engineering of Long-Lived Collective DarkStatesâ€"Spectral Hole Burning. Springer Theses, 2017, , 93-102. | 0.0 | 0 |
| 23 | Spins in the Cavityâ€"Cavity QED. Springer Theses, 2017, , 25-49. | 0.0 | 0 |
| 24 | Spin Echo Spectroscopyâ€"Spin Refocusing. Springer Theses, 2017, , 113-118. | 0.0 | 0 |
| 25 | Introduction and Outline. Springer Theses, 2017, , 1-6. | 0.0 | 0 |
| 26 | Spin Ensembles and Decoherence in the Strong-Coupling Regimeâ€"Cavity Protection. Springer Theses, 2017, , 83-92. | 0.0 | 0 |
| 27 | Confined Electromagnetic Wavesâ€"Cavities. Springer Theses, 2017, , 7-23. | 0.0 | 0 |
| 28 | Experimental Implementationâ€"Solid-State Hybrid Quantum System. Springer Theses, 2017, , 51-69. | 0.0 | 0 |
| 29 | Amplitude Bistability with Inhomogeneous Spin Broadeningâ€"Driven Tavis-Cummings. Springer Theses, 2017, , 103-111. | 0.0 | 0 |