

# Stefan Putz

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30  
papers

1,017  
citations

14  
h-index

31  
g-index

32  
ext. papers

1,297  
ext. citations

7.3  
avg, IF

4.01  
L-index

#	Paper	IF	Citations
30	High finesse microcavities in the optical telecom O-band. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 221112	3.4	3
29	Split-gate cavity coupler for silicon circuit quantum electrodynamics. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 234001	3.4	2
28	Flopping-mode electric dipole spin resonance. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	9
27	Electric-field control and noise protection of the flopping-mode spin qubit. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	12
26	Optical Properties of Vanadium in 4H Silicon Carbide for Quantum Technology. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	32
25	A coherent spin-photon interface in silicon. <i>Nature</i> , <b>2018</b> , 555, 599-603	50.4	171
24	Solid-state electron spin lifetime limited by phononic vacuum modes. <i>Nature Materials</i> , <b>2018</b> , 17, 313-317	17	36
23	Superradiant emission from colour centres in diamond. <i>Nature Physics</i> , <b>2018</b> , 14, 1168-1172	16.2	55
22	Engineering of Long-Lived Collective DarkStates Spectral Hole Burning. <i>Springer Theses</i> , <b>2017</b> , 93-102	0.1	
21	Spins in the Cavity Cavity QED. <i>Springer Theses</i> , <b>2017</b> , 25-49	0.1	
20	Spin Echo Spectroscopy Spin Refocusing. <i>Springer Theses</i> , <b>2017</b> , 113-118	0.1	
19	Introduction and Outline. <i>Springer Theses</i> , <b>2017</b> , 1-6	0.1	
18	Spin Ensembles and Decoherence in the Strong-Coupling Regime Cavity Protection. <i>Springer Theses</i> , <b>2017</b> , 83-92	0.1	
17	Ultralong relaxation times in bistable hybrid quantum systems. <i>Science Advances</i> , <b>2017</b> , 3, e1701626	14.3	25
16	Circuit Cavity QED with Macroscopic Solid-State Spin Ensembles. <i>Springer Theses</i> , <b>2017</b> ,	0.1	1
15	Coherent Coupling of Remote Spin Ensembles via a Cavity Bus. <i>Physical Review Letters</i> , <b>2017</b> , 118, 140502	7.4	31
14	Spectral hole burning and its application in microwave photonics. <i>Nature Photonics</i> , <b>2017</b> , 11, 36-39	33.9	30

13	Confined Electromagnetic Waves in Cavities. <i>Springer Theses</i> , <b>2017</b> , 7-23	0.1	
12	Collective Spin States Coupled to a Single Mode Cavity in Strong Coupling. <i>Springer Theses</i> , <b>2017</b> , 71-81	0.1	
11	Experimental Implementation of a Solid-State Hybrid Quantum System. <i>Springer Theses</i> , <b>2017</b> , 51-69	0.1	
10	Amplitude Bistability with Inhomogeneous Spin Broadening in a Driven Tavis-Cummings. <i>Springer Theses</i> , <b>2017</b> , 103-111	0.1	
9	Collective strong coupling with homogeneous Rabi frequencies using a 3D lumped element microwave resonator. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 033508	3.4	18
8	Sustained photon pulse revivals from inhomogeneously broadened spin ensembles. <i>Laser and Photonics Reviews</i> , <b>2016</b> , 10, 1023-1030	8.3	14
7	Non-Markovian dynamics of a single-mode cavity strongly coupled to an inhomogeneously broadened spin ensemble. <i>Physical Review A</i> , <b>2014</b> , 90,	2.6	26
6	Protecting a spin ensemble against decoherence in the strong-coupling regime of cavity QED. <i>Nature Physics</i> , <b>2014</b> , 10, 720-724	16.2	88
5	Implementation of the Dicke lattice model in hybrid quantum system arrays. <i>Physical Review Letters</i> , <b>2014</b> , 113, 023603	7.4	68
4	Strong magnetic coupling of an inhomogeneous nitrogen-vacancy ensemble to a cavity. <i>Physical Review A</i> , <b>2012</b> , 85,	2.6	57
3	A Waveguide-Coupled On-Chip Single-Photon Source. <i>Physical Review X</i> , <b>2012</b> , 2,	9.1	100
2	Broadband Purcell enhanced emission dynamics of quantum dots in linear photonic crystal waveguides. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 093520	2.5	13
1	Cavity QED with magnetically coupled collective spin states. <i>Physical Review Letters</i> , <b>2011</b> , 107, 060502	7.4	226