

Stefan Putz

List of Publications by Citations

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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	Cavity QED with magnetically coupled collective spin states. <i>Physical Review Letters</i> , 2011 , 107, 060502	7.4	226
29	A coherent spin-photon interface in silicon. <i>Nature</i> , 2018 , 555, 599-603	50.4	171
28	A Waveguide-Coupled On-Chip Single-Photon Source. <i>Physical Review X</i> , 2012 , 2,	9.1	100
27	Protecting a spin ensemble against decoherence in the strong-coupling regime of cavity QED. <i>Nature Physics</i> , 2014 , 10, 720-724	16.2	88
26	Implementation of the Dicke lattice model in hybrid quantum system arrays. <i>Physical Review Letters</i> , 2014 , 113, 023603	7.4	68
25	Strong magnetic coupling of an inhomogeneous nitrogen-vacancy ensemble to a cavity. <i>Physical Review A</i> , 2012 , 85,	2.6	57
24	Superradiant emission from colour centres in diamond. <i>Nature Physics</i> , 2018 , 14, 1168-1172	16.2	55
23	Solid-state electron spin lifetime limited by phononic vacuum modes. <i>Nature Materials</i> , 2018 , 17, 313-317	17	36
22	Optical Properties of Vanadium in 4H Silicon Carbide for Quantum Technology. <i>Physical Review Applied</i> , 2019 , 12,	4.3	32
21	Coherent Coupling of Remote Spin Ensembles via a Cavity Bus. <i>Physical Review Letters</i> , 2017 , 118, 140502	7.4	31
20	Spectral hole burning and its application in microwave photonics. <i>Nature Photonics</i> , 2017 , 11, 36-39	33.9	30
19	Non-Markovian dynamics of a single-mode cavity strongly coupled to an inhomogeneously broadened spin ensemble. <i>Physical Review A</i> , 2014 , 90,	2.6	26
18	Ultralong relaxation times in bistable hybrid quantum systems. <i>Science Advances</i> , 2017 , 3, e1701626	14.3	25
17	Collective strong coupling with homogeneous Rabi frequencies using a 3D lumped element microwave resonator. <i>Applied Physics Letters</i> , 2016 , 109, 033508	3.4	18
16	Sustained photon pulse revivals from inhomogeneously broadened spin ensembles. <i>Laser and Photonics Reviews</i> , 2016 , 10, 1023-1030	8.3	14
15	Broadband Purcell enhanced emission dynamics of quantum dots in linear photonic crystal waveguides. <i>Journal of Applied Physics</i> , 2012 , 112, 093520	2.5	13
14	Electric-field control and noise protection of the flopping-mode spin qubit. <i>Physical Review B</i> , 2019 , 100,	3.3	12

13	Flopping-mode electric dipole spin resonance. <i>Physical Review Research</i> , 2020 , 2,	3.9	9
12	High finesse microcavities in the optical telecom O-band. <i>Applied Physics Letters</i> , 2021 , 119, 221112	3.4	3
11	Split-gate cavity coupler for silicon circuit quantum electrodynamics. <i>Applied Physics Letters</i> , 2020 , 116, 234001	3.4	2
10	Circuit Cavity QED with Macroscopic Solid-State Spin Ensembles. <i>Springer Theses</i> , 2017 ,	0.1	1
9	Engineering of Long-Lived Collective DarkStates Spectral Hole Burning. <i>Springer Theses</i> , 2017 , 93-102	0.1	
8	Spins in the Cavity Cavity QED. <i>Springer Theses</i> , 2017 , 25-49	0.1	
7	Spin Echo Spectroscopy Spin Refocusing. <i>Springer Theses</i> , 2017 , 113-118	0.1	
6	Introduction and Outline. <i>Springer Theses</i> , 2017 , 1-6	0.1	
5	Spin Ensembles and Decoherence in the Strong-Coupling Regime Cavity Protection. <i>Springer Theses</i> , 2017 , 83-92	0.1	
4	Confined Electromagnetic Waves Cavities. <i>Springer Theses</i> , 2017 , 7-23	0.1	
3	Collective Spin States Coupled to a Single Mode Cavity Strong Coupling. <i>Springer Theses</i> , 2017 , 71-81	0.1	
2	Experimental Implementation Solid-State Hybrid Quantum System. <i>Springer Theses</i> , 2017 , 51-69	0.1	
1	Amplitude Bistability with Inhomogeneous Spin Broadening Driven Tavis-Cummings. <i>Springer Theses</i> , 2017 , 103-111	0.1	