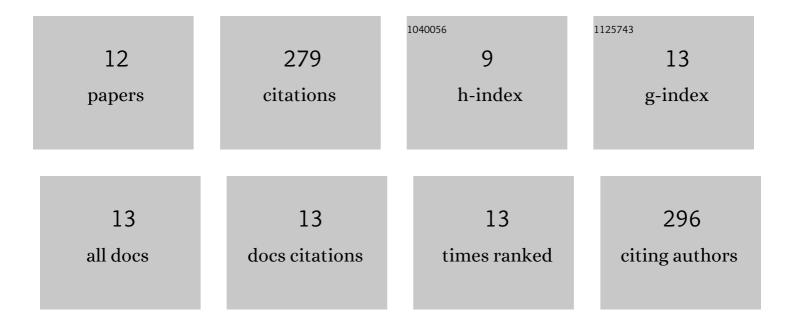
Hiraku Toida

List of Publications by Year in descending order

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Ηιρλκίι Τοιόλ

#	Article	IF	CITATIONS
1	Control of the transition frequency of a superconducting flux qubit by longitudinal coupling to the photon number degree of freedom in a resonator. Physical Review B, 2020, 102, .	3.2	2
2	Driven-state relaxation of a coupled qubit-defect system in spin-locking measurements. Physical Review B, 2020, 102, .	3.2	5
3	Architecture to achieve nuclear magnetic resonance spectroscopy with a superconducting flux qubit. Physical Review A, 2020, 101, .	2.5	4
4	Electron spin resonance with up to 20 spin sensitivity measured using a superconducting flux qubit. Applied Physics Letters, 2020, 116, .	3.3	16
5	Electron paramagnetic resonance spectroscopy using a single artificial atom. Communications Physics, 2019, 2, .	5.3	24
6	A long-lived capacitively shunted flux qubit embedded in a 3D cavity. Applied Physics Letters, 2019, 115, .	3.3	28
7	Phonon-bottlenecked spin relaxation of Er ³⁺ :Y ₂ SiO ₅ at sub-kelvin temperatures. Applied Physics Express, 2018, 11, 043002.	2.4	12
8	Electron paramagnetic resonance spectroscopy of Er3+:Y2SiO5 using a Josephson bifurcation amplifier: Observation of hyperfine and quadrupole structures. Physical Review Materials, 2018, 2, .	2.4	14
9	Electron paramagnetic resonance spectroscopy using a direct current-SQUID magnetometer directly coupled to an electron spin ensemble. Applied Physics Letters, 2016, 108, 052601.	3.3	21
10	A strict experimental test of macroscopic realism in a superconducting flux qubit. Nature Communications, 2016, 7, 13253.	12.8	105
11	Improving the lifetime of the nitrogen-vacancy-center ensemble coupled with a superconducting flux qubit by applying magnetic fields. Physical Review A, 2015, 91, .	2.5	24
12	Improving the Coherence Time of a Quantum System via a Coupling to a Short-Lived System. Physical Review Letters, 2015, 114, 120501.	7.8	23