

Gento Yamahata

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3431716/publications.pdf>

Version: 2024-02-01

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papers

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1040056

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242
citing authors

#	ARTICLE	IF	CITATIONS
1	Gigahertz single-trap electron pumps in silicon. <i>Nature Communications</i> , 2014, 5, 5038.	12.8	59
2	Gigahertz single-electron pumping in silicon with an accuracy better than 9.2 parts in 10 ⁷ . <i>Applied Physics Letters</i> , 2016, 109, .	3.3	57
3	Evidence for universality of tunable-barrier electron pumps. <i>Metrologia</i> , 2019, 56, 044004.	1.2	40
4	Accuracy evaluation of single-electron shuttle transfer in Si nanowire metal-oxide-semiconductor field-effect transistors. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	37
5	High-accuracy current generation in the nanoampere regime from a silicon single-trap electron pump. <i>Scientific Reports</i> , 2017, 7, 45137.	3.3	34
6	Picosecond coherent electron motion in a silicon single-electron source. <i>Nature Nanotechnology</i> , 2019, 14, 1019-1023.	31.5	29
7	Accuracy evaluation and mechanism crossover of single-electron transfer in Si tunable-barrier turnstiles. <i>Physical Review B</i> , 2014, 89, .	3.2	26
8	Realisation of a quantum current standard at liquid helium temperature with sub-ppm reproducibility. <i>Metrologia</i> , 2020, 57, 025013.	1.2	23
9	Gigahertz single-hole transfer in Si tunable-barrier pumps. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	16
10	Understanding the mechanism of tunable-barrier single-electron pumping: Mechanism crossover and optimal accuracy. <i>Physical Review B</i> , 2021, 103, .	3.2	5
11	Measurement of the curvature and height of the potential barrier for a dynamic quantum dot. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	4
12	Directly Comparing the Current from Two Electron Pumps. , 2020, , .		1