

Masayuki Hashisaka

List of Publications by Year in descending order

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36
papers

800
citations

471509

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501196

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g-index

36
all docs

36
docs citations

36
times ranked

675
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantized charge fractionalization at quantum Hall Y junctions in the disorder dominated regime. Nature Communications, 2021, 12, 131.	12.8	12
2	Cryogenic GaAs high-electron-mobility-transistor amplifier for current noise measurements. Review of Scientific Instruments, 2021, 92, 023910.	1.3	4
3	Andreev reflection of fractional quantum Hall quasiparticles. Nature Communications, 2021, 12, 2794.	12.8	20
4	Time-resolved investigation of plasmon mode along interface channels in integer and fractional quantum Hall regimes. Physical Review B, 2021, 104, .	3.2	4
5	Shot Noise in Mesoscopic Systems: From Single Particles to Quantum Liquids. Journal of the Physical Society of Japan, 2021, 90, 102001.	1.6	21
6	Homemade-HEMT-based transimpedance amplifier for high-resolution shot-noise measurements. Review of Scientific Instruments, 2021, 92, 124712.	1.3	2
7	On-chip coherent frequency-domain THz spectroscopy for electrical transport. Applied Physics Letters, 2020, 117, .	3.3	9
8	Two-step breakdown of a local $\nu=1$ quantum Hall state. Physical Review B, 2020, 101, .	3.2	4
9	Charge equilibration in integer and fractional quantum Hall edge channels in a generalized Hall-bar device. Physical Review B, 2019, 99, .	3.2	15
10	Spectroscopic study on hot-electron transport in a quantum Hall edge channel. Physical Review B, 2019, 99, .	3.2	19
11	Signatures of a Nonthermal Metastable State in Copropagating Quantum Hall Edge Channels. Physical Review Letters, 2018, 120, 197701.	7.8	26
12	Tomonaga's "Luttinger-liquid nature of edge excitations in integer quantum Hall edge channels. Reviews in Physics, 2018, 3, 32-43.	8.9	24
13	Negative and positive cross-correlations of current noises in quantum Hall edge channels at bulk filling factor $\nu = 1$. Journal of Physics Condensed Matter, 2017, 29, 225302.	1.8	6
14	Waveform measurement of charge- and spin-density wavepackets in a chiral Tomonaga's "Luttinger liquid. Nature Physics, 2017, 13, 559-562.	16.7	69
15	Charge fractionalization in artificial Tomonaga-Luttinger liquids with controlled interaction strength. Physical Review B, 2017, 96, .	3.2	13
16	Two-electron double quantum dot coupled to coherent photon and phonon fields. Physical Review B, 2017, 96, .	3.2	6
17	Long-lived binary tunneling spectrum in the quantum Hall Tomonaga-Luttinger liquid. Physical Review B, 2016, 93, .	3.2	15
18	Exchange-Induced Spin Blockade in a Two-Electron Double Quantum Dot. Physical Review Letters, 2015, 115, 176802.	7.8	2

#	ARTICLE	IF	CITATIONS
19	Enhanced electron-phonon coupling for a semiconductor charge qubit in a surface phonon cavity. <i>Scientific Reports</i> , 2015, 5, 15176.	3.3	14
20	Shot-Noise Evidence of Fractional Quasiparticle Creation in a Local Fractional Quantum Hall State. <i>Physical Review Letters</i> , 2015, 114, 056802.	7.8	20
21	Cross-correlation measurement of quantum shot noise using homemade transimpedance amplifiers. <i>Review of Scientific Instruments</i> , 2014, 85, 054704.	1.3	15
22	Spin-dependent tunneling rates for electrostatically defined GaAs quantum dots. <i>Physical Review B</i> , 2014, 90, .	3.2	6
23	Resonant Edge Magnetoplasmons and Their Decay in Graphene. <i>Physical Review Letters</i> , 2014, 113, 266601.	7.8	48
24	Fractionalized wave packets from an artificial Tomonaga-Luttinger liquid. <i>Nature Nanotechnology</i> , 2014, 9, 177-181.	31.5	107
25	Distributed-element circuit model of edge magnetoplasmon transport. <i>Physical Review B</i> , 2013, 88, .	3.2	37
26	Frequency conversion of radio-frequency edge magnetoplasmons using a quantum point contact. <i>Applied Physics Letters</i> , 2012, 100, 233501.	3.3	4
27	Shot noise induced by electron-nuclear spin-flip scattering in a nonequilibrium quantum wire. <i>Physical Review B</i> , 2012, 85, .	3.2	14
28	Distributed electrochemical capacitance evidenced in high-frequency admittance measurements on a quantum Hall device. <i>Physical Review B</i> , 2012, 85, .	3.2	34
29	Time Resolved Potential Measurement At Quantum Point Contacts Under Irradiation Of Surface Acoustic Burst Wave. , 2011, , .		3
30	Interferometric detection of edge magnetoplasmons in AlGaAs/GaAs heterostructures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 381-383.	0.8	4
31	Fluctuation theorem and microreversibility in a quantum coherent conductor. <i>Physical Review B</i> , 2011, 83, .	3.2	42
32	Nonequilibrium Fluctuation Relations in a Quantum Coherent Conductor. <i>Physical Review Letters</i> , 2010, 104, 080602.	7.8	96
33	Noise measurement system at electron temperature down to 20 mK with combinations of the low pass filters. <i>Review of Scientific Instruments</i> , 2009, 80, 096105.	1.3	19
34	Universality of bias- and temperature-induced dephasing in ballistic electronic interferometers. <i>Physical Review B</i> , 2009, 79, .	3.2	23
35	Conductance anomaly and Fano factor reduction in quantum point contacts. <i>Physical Review B</i> , 2009, 79, .	3.2	19
36	Bolometric detection of quantum shot noise in coupled mesoscopic systems. <i>Physical Review B</i> , 2008, 78, .	3.2	24