

# Masayuki Hashisaka

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7804019/publications.pdf>

Version: 2024-02-01

36  
papers

800  
citations

471509

17  
h-index

501196

28  
g-index

36  
all docs

36  
docs citations

36  
times ranked

675  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fractionalized wave packets from an artificial Tomonagaâ€“Luttinger liquid. Nature Nanotechnology, 2014, 9, 177-181.	31.5	107
2	Nonequilibrium Fluctuation Relations in a Quantum Coherent Conductor. Physical Review Letters, 2010, 104, 080602.	7.8	96
3	Waveform measurement of charge- and spin-density wavepackets in a chiral Tomonagaâ€“Luttinger liquid. Nature Physics, 2017, 13, 559-562.	16.7	69
4	Resonant Edge Magnetoplasmons and Their Decay in Graphene. Physical Review Letters, 2014, 113, 266601.	7.8	48
5	Fluctuation theorem and microreversibility in a quantum coherent conductor. Physical Review B, 2011, 83, .	3.2	42
6	Distributed-element circuit model of edge magnetoplasmon transport. Physical Review B, 2013, 88, .	3.2	37
7	Distributed electrochemical capacitance evidenced in high-frequency admittance measurements on a quantum Hall device. Physical Review B, 2012, 85, .	3.2	34
8	Signatures of a Nonthermal Metastable State in Copropagating Quantum Hall Edge Channels. Physical Review Letters, 2018, 120, 197701.	7.8	26
9	Bolometric detection of quantum shot noise in coupled mesoscopic systems. Physical Review B, 2008, 78, .	3.2	24
10	Tomonagaâ€“Luttinger-liquid nature of edge excitations in integer quantum Hall edge channels. Reviews in Physics, 2018, 3, 32-43.	8.9	24
11	Universality of bias- and temperature-induced dephasing in ballistic electronic interferometers. Physical Review B, 2009, 79, .	3.2	23
12	Shot Noise in Mesoscopic Systems: From Single Particles to Quantum Liquids. Journal of the Physical Society of Japan, 2021, 90, 102001.	1.6	21
13	Shot-Noise Evidence of Fractional Quasiparticle Creation in a Local Fractional Quantum Hall State. Physical Review Letters, 2015, 114, 056802.	7.8	20
14	Andreev reflection of fractional quantum Hall quasiparticles. Nature Communications, 2021, 12, 2794.	12.8	20
15	Noise measurement system at electron temperature down to 20 mK with combinations of the low pass filters. Review of Scientific Instruments, 2009, 80, 096105.	1.3	19
16	Conductance anomaly and Fano factor reduction in quantum point contacts. Physical Review B, 2009, 79, .	3.2	19
17	Spectroscopic study on hot-electron transport in a quantum Hall edge channel. Physical Review B, 2019, 99, .	3.2	19
18	Cross-correlation measurement of quantum shot noise using homemade transimpedance amplifiers. Review of Scientific Instruments, 2014, 85, 054704.	1.3	15

#	ARTICLE	IF	CITATIONS
19	Long-lived binary tunneling spectrum in the quantum Hall Tomonaga-Luttinger liquid. Physical Review B, 2016, 93, .	3.2	15
20	Charge equilibration in integer and fractional quantum Hall edge channels in a generalized Hall-bar device. Physical Review B, 2019, 99, .	3.2	15
21	Shot noise induced by electron-nuclear spin-flip scattering in a nonequilibrium quantum wire. Physical Review B, 2012, 85, .	3.2	14
22	Enhanced electron-phonon coupling for a semiconductor charge qubit in a surface phonon cavity. Scientific Reports, 2015, 5, 15176.	3.3	14
23	Charge fractionalization in artificial Tomonaga-Luttinger liquids with controlled interaction strength. Physical Review B, 2017, 96, .	3.2	13
24	Quantized charge fractionalization at quantum Hall Y junctions in the disorder dominated regime. Nature Communications, 2021, 12, 131.	12.8	12
25	On-chip coherent frequency-domain THz spectroscopy for electrical transport. Applied Physics Letters, 2020, 117, .	3.3	9
26	Spin-dependent tunneling rates for electrostatically defined GaAs quantum dots. Physical Review B, 2014, 90, .	3.2	6
27	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
28	Two-electron double quantum dot coupled to coherent photon and phonon fields. Physical Review B, 2017, 96, .	3.2	6
29	Interferometric detection of edge magnetoplasmons in AlGaAs/GaAs heterostructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 381-383.	0.8	4
30	Frequency conversion of radio-frequency edge magnetoplasmons using a quantum point contact. Applied Physics Letters, 2012, 100, 233501.	3.3	4
31	Two-step breakdown of a local $\hat{\nu} = 1$ quantum Hall state. Physical Review B, 2020, 101, .	3.2	4
32	Cryogenic GaAs high-electron-mobility-transistor amplifier for current noise measurements. Review of Scientific Instruments, 2021, 92, 023910.	1.3	4
33	Time-resolved investigation of plasmon mode along interface channels in integer and fractional quantum Hall regimes. Physical Review B, 2021, 104, .	3.2	4
34	Time Resolved Potential Measurement At Quantum Point Contacts Under Irradiation Of Surface Acoustic Burst Wave. , 2011, , .		3
35	Exchange-Induced Spin Blockade in a Two-Electron Double Quantum Dot. Physical Review Letters, 2015, 115, 176802.	7.8	2
36	Homemade-HEMT-based transimpedance amplifier for high-resolution shot-noise measurements. Review of Scientific Instruments, 2021, 92, 124712.	1.3	2