

Yasuhiro Utsumi

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7066969/yasuhiro-utsumi-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

1,568

citations

19

h-index

39

g-index

69

ext. papers

1,706

ext. citations

3.3

avg, IF

4.65

L-index

#	Paper	IF	Citations
62	Kondo effect in quantum dots coupled to ferromagnetic leads. <i>Physical Review Letters</i> , 2003 , 91, 127203	7.4	269
61	Symmetry in full counting statistics, fluctuation theorem, and relations among nonlinear transport coefficients in the presence of a magnetic field. <i>Physical Review B</i> , 2008 , 78,	3.3	151
60	Twisted exchange interaction between localized spins embedded in a one- or two-dimensional electron gas with Rashba spin-orbit coupling. <i>Physical Review B</i> , 2004 , 69,	3.3	133
59	Nonequilibrium fluctuation relations in a quantum coherent conductor. <i>Physical Review Letters</i> , 2010 , 104, 080602	7.4	87
58	Bidirectional single-electron counting and the fluctuation theorem. <i>Physical Review B</i> , 2010 , 81,	3.3	83
57	Spin-dependent transport through a chiral molecule in the presence of spin-orbit interaction and nonunitary effects. <i>Physical Review B</i> , 2016 , 93,	3.3	77
56	Irreversibility on the Level of Single-Electron Tunneling. <i>Physical Review X</i> , 2012 , 2,	9.1	73
55	Nonequilibrium Kondo effect in a quantum dot coupled to ferromagnetic leads. <i>Physical Review B</i> , 2005 , 71,	3.3	65
54	Full-counting statistics for molecular junctions: Fluctuation theorem and singularities. <i>Physical Review B</i> , 2013 , 87,	3.3	54
53	Fluctuation theorem in a quantum-dot Aharonov-Bohm interferometer. <i>Physical Review B</i> , 2009 , 79,	3.3	45
52	Full counting statistics of interacting electrons. <i>Fortschritte Der Physik</i> , 2006 , 54, 917-938	5.7	40
51	Spin torque switching of an in-plane magnetized system in a thermally activated region. <i>Physical Review B</i> , 2013 , 87,	3.3	38
50	Fluctuation theorem and microreversibility in a quantum coherent conductor. <i>Physical Review B</i> , 2011 , 83,	3.3	37
49	Full counting statistics for a single-electron transistor: nonequilibrium effects at intermediate conductance. <i>Physical Review Letters</i> , 2006 , 96, 086803	7.4	37
48	Lasing without inversion in circuit quantum electrodynamics. <i>Physical Review Letters</i> , 2011 , 107, 093901	7.4	30
47	Fluctuation theorem for a double quantum dot coupled to a point-contact electrometer. <i>Physical Review B</i> , 2011 , 84,	3.3	30
46	Full counting statistics for the number of electrons in a quantum dot. <i>Physical Review B</i> , 2007 , 75,	3.3	22

45	Fluctuation theorem for heat transport probed by a thermal probe electrode. <i>Physical Review B</i> , 2014 , 89,	3.3	19
44	Full counting statistics for transport through a molecular quantum dot magnet: Incoherent tunneling regime. <i>Physical Review B</i> , 2007 , 75,	3.3	19
43	Indirect exchange interaction between two quantum dots in an Aharonov-Bohm ring. <i>Physical Review B</i> , 2004 , 69,	3.3	19
42	Numerical Study on Spin Torque Switching in Thermally Activated Region. <i>Applied Physics Express</i> , 2012 , 5, 063009	2.4	18
41	Thermally activated switching rate of a nanomagnet in the presence of spin torque. <i>Physical Review B</i> , 2013 , 88,	3.3	17
40	Statistics of voltage fluctuations in resistively shunted Josephson junctions. <i>Physical Review B</i> , 2010 , 81,	3.3	16
39	Barrier Height and Film Thickness Dependence of the TMR. <i>Journal of the Physical Society of Japan</i> , 1999 , 68, 3444-3455	1.5	16
38	Spin selectivity through time-reversal symmetric helical junctions. <i>Physical Review B</i> , 2020 , 102,	3.3	15
37	Fluctuation theorem for a small engine and magnetization switching by spin torque. <i>Physical Review Letters</i> , 2015 , 114, 186601	7.4	13
36	Relaxation time and critical slowing down of a spin-torque oscillator. <i>Physical Review B</i> , 2017 , 96,	3.3	11
35	Noise of a single-electron transistor in the regime of large quantum fluctuations of island charge out of equilibrium. <i>Physical Review B</i> , 2003 , 67,	3.3	11
34	Distribution of energy dissipated by a driven two-level system. <i>Physical Review B</i> , 2014 , 90,	3.3	9
33	Full counting statistics of information content in the presence of Coulomb interaction. <i>Physical Review B</i> , 2015 , 92,	3.3	9
32	AC transport and full-counting statistics of molecular junctions in the weak electron-vibration coupling regime. <i>Journal of Chemical Physics</i> , 2017 , 146, 092313	3.9	8
31	Work fluctuation theorem for a classical circuit coupled to a quantum conductor. <i>Physical Review B</i> , 2012 , 86,	3.3	8
30	Nonequilibrium Extension of Onsager Relations for Thermoelectric Effects in Mesoscopic Conductors. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 045003	1.5	8
29	Charge fluctuation between even and odd states of a superconducting island. <i>Physical Review B</i> , 2002 , 66,	3.3	8
28	Fluctuation theorem in spintronics. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 052030	0.3	7

27	Parity effect and tunnel magnetoresistance of ferromagnet/superconductor/ferromagnet single-electron tunneling transistors. <i>Physical Review B</i> , 2002 , 66,	3.3	7
26	Spin-Current Induced Mechanical Torque in a Chiral Molecular Junction. <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 064702	1.5	6
25	Test of the fluctuation theorem for single-electron transport. <i>Journal of Applied Physics</i> , 2013 , 113, 136507	3.3	6
24	Full counting statistics of information content. <i>European Physical Journal: Special Topics</i> , 2019 , 227, 19112-1928	1.5	5
23	Heat and Charge Current Fluctuations and the Time-Dependent Coefficient of Performance for a Nanoscale Refrigerator. <i>Journal of the Physical Society of Japan</i> , 2017 , 86, 024007	1.5	5
22	Stable oscillation in spin torque oscillator excited by a small in-plane magnetic field. <i>Journal of Applied Physics</i> , 2015 , 118, 053903	2.5	5
21	Indirect exchange interaction between two local spins embedded in an Aharonov-Bohm Ring. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 1142-1144	2.8	5
20	Lasing in circuit quantum electrodynamics with strong noise. <i>Physical Review B</i> , 2015 , 91,	3.3	4
19	Full counting statistics of information content and particle number. <i>Physical Review B</i> , 2017 , 96,	3.3	4
18	Kondo effect in single-molecule spintronic devices. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, e343-e345	2.8	4
17	Comment on "Spin-orbit interaction and spin selectivity for tunneling electron transfer in DNA" <i>Physical Review B</i> , 2021 , 103,	3.3	4
16	Phonon-Induced Electron-Hole Excitation and ac Conductance in Molecular Junction. <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 043703	1.5	3
15	The effect of charge fluctuation on a normal-superconducting-normal single-electron transistor. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 367, 237-240	1.3	3
14	Effect of Quantum Fluctuation on the Andreev Reflection. <i>Journal of the Physical Society of Japan</i> , 2000 , 69, 2739-2742	1.5	2
13	Optimum capacity and full counting statistics of information content and heat quantity in the steady state. <i>Physical Review B</i> , 2019 , 99,	3.3	1
12	Analysis of the conditional average and conditional variance of dissipated energy in the driven spin-boson model. <i>Physical Review B</i> , 2017 , 96,	3.3	1
11	Asymptotic expansion of the solution of the master equation and its application to the speed limit.. <i>Physical Review E</i> , 2021 , 104, 054139	2.4	0
10	Fluctuation theorem of a mesoscopic engine and spin switching. <i>Fortschritte Der Physik</i> , 2017 , 65, 1600049	3.3	0

- 9 Fluctuation theorem for a two-terminal conductor connected to a thermal probe. *Physica Scripta*, **2015**, T165, 014021 2.6
- 8 Effective temperature and the fluctuation theorem in a double quantum dot coupled to a point-contact electrometer. *Journal of Physics: Conference Series*, **2012**, 400, 042012 0.3
- 7 Full counting statistics for molecular spintronics. *Physica E: Low-Dimensional Systems and Nanostructures*, **2007**, 40, 375-378 3
- 6 Full counting statistics for charge inside a quantum dot. *Physica E: Low-Dimensional Systems and Nanostructures*, **2007**, 40, 355-358 3
- 5 Full counting statistics for electron number in quantum dots. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2008**, 5, 154-157
- 4 Spin relaxation and tunnel magnetoresistance of a ferromagnet/superconductor/ferromagnet single-electron tunneling transistor. *Physica E: Low-Dimensional Systems and Nanostructures*, **2003**, 18, 43-44 3
- 3 Kondo effect in quantum dots coupled to ferromagnetic electrodes. *Physica E: Low-Dimensional Systems and Nanostructures*, **2003**, 18, 75-76 3
- 2 The effect of large quantum fluctuation on the noise of a single-electron transistor. *Physica E: Low-Dimensional Systems and Nanostructures*, **2003**, 18, 93-94 3
- 1 Fluctuation of information content and the optimum capacity for bosonic transport. *European Physical Journal: Special Topics*, **2021**, 230, 1059-1066 2.3