

Moshe Ben Shalom

List of Publications by Citations

Source: <https://exaly.com/author-pdf/373649/moshe-ben-shalom-publications-by-citations.pdf>

Version: 2024-04-27

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.

29
papers

2,418
citations

22
h-index

30
g-index

30
ext. papers

3,167
ext. citations

17.1
avg. IF

4.65
L-index

#	Paper	IF	Citations
29	Negative local resistance caused by viscous electron backflow in graphene. <i>Science</i> , 2016 , 351, 1055-8	33.3	344
28	Tuning spin-orbit coupling and superconductivity at the SrTiO ₃ /LaAlO ₃ interface: a magnetotransport study. <i>Physical Review Letters</i> , 2010 , 104, 126802	7.4	308
27	Quality Heterostructures from Two-Dimensional Crystals Unstable in Air by Their Assembly in Inert Atmosphere. <i>Nano Letters</i> , 2015 , 15, 4914-21	11.5	289
26	Superballistic flow of viscous electron fluid through graphene constrictions. <i>Nature Physics</i> , 2017 , 13, 1182-1185	16.2	172
25	Quantum oscillations of the critical current and high-field superconducting proximity in ballistic graphene. <i>Nature Physics</i> , 2016 , 12, 318-322	16.2	144
24	Shubnikov-de Haas oscillations in SrTiO ₃ /LaAlO ₃ interface. <i>Physical Review Letters</i> , 2010 , 105, 206401	7.4	129
23	Anisotropic magnetotransport at the SrTiO ₃ /LaAlO ₃ interface. <i>Physical Review B</i> , 2009 , 80,	3.3	113
22	Measuring Hall viscosity of graphene electron fluid. <i>Science</i> , 2019 , 364, 162-165	33.3	97
21	Nanoscale thermal imaging of dissipation in quantum systems. <i>Nature</i> , 2016 , 539, 407-410	50.4	95
20	Macroscopic self-reorientation of interacting two-dimensional crystals. <i>Nature Communications</i> , 2016 , 7, 10800	17.4	86
19	High-temperature quantum oscillations caused by recurring Bloch states in graphene superlattices. <i>Science</i> , 2017 , 357, 181-184	33.3	83
18	Fluidity onset in graphene. <i>Nature Communications</i> , 2018 , 9, 4533	17.4	70
17	Nature of weak magnetism in SrTiO ₃ /LaAlO ₃ multilayers. <i>Physical Review Letters</i> , 2012 , 109, 257207	7.4	58
16	Visualizing Poiseuille flow of hydrodynamic electrons. <i>Nature</i> , 2019 , 576, 75-79	50.4	56
15	Edge currents shunt the insulating bulk in gapped graphene. <i>Nature Communications</i> , 2017 , 8, 14552	17.4	55
14	Imaging resonant dissipation from individual atomic defects in graphene. <i>Science</i> , 2017 , 358, 1303-1306	33.3	46
13	Interfacial ferroelectricity by van der Waals sliding. <i>Science</i> , 2021 , 372,	33.3	46

12	Micromagnetometry of two-dimensional ferromagnets. <i>Nature Electronics</i> , 2019 , 2, 457-463	28.4	46
11	Strong correlations elucidate the electronic structure and phase diagram of LaAlO ₃ /SrTiO ₃ interface. <i>Nature Communications</i> , 2015 , 6, 8239	17.4	42
10	Simultaneous voltage and current density imaging of flowing electrons in two dimensions. <i>Nature Nanotechnology</i> , 2019 , 14, 480-487	28.7	29
9	Low-temperature dependence of the thermomagnetic transport properties of the SrTiO ₃ /LaAlO ₃ interface. <i>Physical Review B</i> , 2011 , 84,	3.3	23
8	Phase coherent transport in SrTiO ₃ /LaAlO ₃ interfaces. <i>Physical Review B</i> , 2010 , 82,	3.3	22
7	Magnetotransport effects in polar versus non-polar SrTiO ₃ based heterostructures. <i>Physical Review B</i> , 2012 , 86,	3.3	21
6	Anomalous response to gate voltage application in mesoscopic LaAlO ₃ /SrTiO ₃ devices. <i>Physical Review B</i> , 2013 , 87,	3.3	16
5	Anomalous magneto-transport at the superconducting interface between LaAlO ₃ and SrTiO ₃ . <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S746-S748	1.3	10
4	Graphene-based tunable SQUIDs. <i>Applied Physics Letters</i> , 2017 , 110, 162602	3.4	7
3	Quantum Hall Response to Time-Dependent Strain Gradients in Graphene. <i>Physical Review Letters</i> , 2020 , 124, 026602	7.4	6
2	Supercurrent and multiple Andreev reflections in micrometer-long ballistic graphene Josephson junctions. <i>Nanoscale</i> , 2018 , 10, 3020-3025	7.7	5
1	Building devices in magic-angle graphene. <i>Nature Nanotechnology</i> , 2021 , 16, 745-746	28.7	0