

# Moshe Ben Shalom

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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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	Building devices in magic-angle graphene. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 745-746	28.7	0
28	Interfacial ferroelectricity by van der Waals sliding. <i>Science</i> , <b>2021</b> , 372,	33.3	46
27	Quantum Hall Response to Time-Dependent Strain Gradients in Graphene. <i>Physical Review Letters</i> , <b>2020</b> , 124, 026602	7.4	6
26	Measuring Hall viscosity of graphene's electron fluid. <i>Science</i> , <b>2019</b> , 364, 162-165	33.3	97
25	Simultaneous voltage and current density imaging of flowing electrons in two dimensions. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 480-487	28.7	29
24	Visualizing Poiseuille flow of hydrodynamic electrons. <i>Nature</i> , <b>2019</b> , 576, 75-79	50.4	56
23	Micromagnetometry of two-dimensional ferromagnets. <i>Nature Electronics</i> , <b>2019</b> , 2, 457-463	28.4	46
22	Supercurrent and multiple Andreev reflections in micrometer-long ballistic graphene Josephson junctions. <i>Nanoscale</i> , <b>2018</b> , 10, 3020-3025	7.7	5
21	Fluidity onset in graphene. <i>Nature Communications</i> , <b>2018</b> , 9, 4533	17.4	70
20	Edge currents shunt the insulating bulk in gapped graphene. <i>Nature Communications</i> , <b>2017</b> , 8, 14552	17.4	55
19	Graphene-based tunable SQUIDs. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 162602	3.4	7
18	Superballistic flow of viscous electron fluid through graphene constrictions. <i>Nature Physics</i> , <b>2017</b> , 13, 1182-1185	16.2	172
17	High-temperature quantum oscillations caused by recurring Bloch states in graphene superlattices. <i>Science</i> , <b>2017</b> , 357, 181-184	33.3	83
16	Imaging resonant dissipation from individual atomic defects in graphene. <i>Science</i> , <b>2017</b> , 358, 1303-1306	33.3	46
15	Nanoscale thermal imaging of dissipation in quantum systems. <i>Nature</i> , <b>2016</b> , 539, 407-410	50.4	95
14	Macroscopic self-reorientation of interacting two-dimensional crystals. <i>Nature Communications</i> , <b>2016</b> , 7, 10800	17.4	86
13	Quantum oscillations of the critical current and high-field superconducting proximity in ballistic graphene. <i>Nature Physics</i> , <b>2016</b> , 12, 318-322	16.2	144

12	Negative local resistance caused by viscous electron backflow in graphene. <i>Science</i> , <b>2016</b> , 351, 1055-8	33.3	344
11	Quality Heterostructures from Two-Dimensional Crystals Unstable in Air by Their Assembly in Inert Atmosphere. <i>Nano Letters</i> , <b>2015</b> , 15, 4914-21	11.5	289
10	Strong correlations elucidate the electronic structure and phase diagram of LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. <i>Nature Communications</i> , <b>2015</b> , 6, 8239	17.4	42
9	Anomalous response to gate voltage application in mesoscopic LaAlO <sub>3</sub> /SrTiO <sub>3</sub> devices. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	16
8	Nature of weak magnetism in SrTiO <sub>3</sub> /LaAlO <sub>3</sub> multilayers. <i>Physical Review Letters</i> , <b>2012</b> , 109, 257207	7.4	58
7	Magnetotransport effects in polar versus non-polar SrTiO <sub>3</sub> based heterostructures. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	21
6	Low-temperature dependence of the thermomagnetic transport properties of the SrTiO <sub>3</sub> /LaAlO <sub>3</sub> interface. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	23
5	Phase coherent transport in SrTiO <sub>3</sub> /LaAlO <sub>3</sub> interfaces. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	22
4	Shubnikov-de Haas oscillations in SrTiO <sub>3</sub> /LaAlO <sub>3</sub> interface. <i>Physical Review Letters</i> , <b>2010</b> , 105, 206401	7.4	129
3	Tuning spin-orbit coupling and superconductivity at the SrTiO <sub>3</sub> /LaAlO <sub>3</sub> interface: a magnetotransport study. <i>Physical Review Letters</i> , <b>2010</b> , 104, 126802	7.4	308
2	Anomalous magneto-transport at the superconducting interface between LaAlO <sub>3</sub> and SrTiO <sub>3</sub> . <i>Physica C: Superconductivity and Its Applications</i> , <b>2010</b> , 470, S746-S748	1.3	10
1	Anisotropic magnetotransport at the SrTiO <sub>3</sub> /LaAlO <sub>3</sub> interface. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	113