

Hadar Steinberg

List of Publications by Year in descending order

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41
papers

3,685
citations

393982

19
h-index

315357

38
g-index

41
all docs

41
docs citations

41
times ranked

4674
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Floquet-Bloch States on the Surface of a Topological Insulator. <i>Science</i> , 2013, 342, 453-457.	6.0	902
2	Control over topological insulator photocurrents with light polarization. <i>Nature Nanotechnology</i> , 2012, 7, 96-100.	15.6	483
3	Spin-Charge Separation and Localization in One Dimension. <i>Science</i> , 2005, 308, 88-92.	6.0	343
4	Electrically tunable surface-to-bulk coherent coupling in topological insulator thin films. <i>Physical Review B</i> , 2011, 84, .	1.1	291
5	Exchange-Coupling-Induced Symmetry Breaking in Topological Insulators. <i>Physical Review Letters</i> , 2013, 110, 186807.	2.9	284
6	Surface State Transport and Ambipolar Electric Field Effect in Bi_2Se_3 Nanodevices. <i>Nano Letters</i> , 2010, 10, 5032-5036.	4.5	272
7	Measurement of Intrinsic Dirac Fermion Cooling on the Surface of the Topological Insulator Bi_2Se_3 by Time-Resolved and Angle-Resolved Photoemission Spectroscopy. <i>Physical Review Letters</i> , 2012, 109, 127401.	4.9	211
8	Charge fractionalization in quantum wires. <i>Nature Physics</i> , 2008, 4, 116-119.	6.5	157
9	Bidirectional Soliton Rain Dynamics Induced by Casimir-Like Interactions in a Graphene Mode-Locked Fiber Laser. <i>Physical Review Letters</i> , 2018, 121, 133902.	2.9	94
10	Interacting electrons in one dimension beyond the Luttinger-liquid limit. <i>Nature Physics</i> , 2010, 6, 489-493.	6.5	86
11	Spectroscopy of bulk and few-layer superconducting NbSe_2 with van der Waals tunnel junctions. <i>Nature Communications</i> , 2018, 9, 598.	5.8	84
12	Ultrafast rogue wave patterns in fiber lasers. <i>Optica</i> , 2018, 5, 774.	4.8	72
13	Localization transition in a ballistic quantum wire. <i>Physical Review B</i> , 2006, 73, .	1.1	70
14	Magnetic-related States and Order Parameter Induced in a Conventional Superconductor by Nonmagnetic Chiral Molecules. <i>Nano Letters</i> , 2019, 19, 5167-5175.	4.5	34
15	Electrostatic Coupling between Two Surfaces of a Topological Insulator Nanodevice. <i>Physical Review Letters</i> , 2014, 113, 206801.	2.9	33
16	Anomalous Temperature Dependent Transport through Single Colloidal Nanorods Strongly Coupled to Metallic Leads. <i>Nano Letters</i> , 2009, 9, 3671-3675.	4.5	28
17	Zeeman Tunability of Andreev Bound States in van der Waals Tunnel Barriers. <i>Physical Review Letters</i> , 2019, 123, 217003.	2.9	22
18	Tunneling in graphene-topological insulator hybrid devices. <i>Physical Review B</i> , 2015, 92, .	1.1	21

#	ARTICLE	IF	CITATIONS
19	Quantum Phase Transitions of Trilayer Excitons in Atomically Thin Heterostructures. Physical Review Letters, 2020, 125, 255301.	2.9	21
20	Tunneling into the Vortex State of NbSe ₂ with van der Waals Junctions. Nano Letters, 2018, 18, 7845-7850.	4.5	20
21	Electrical Current Switching in Single CdSe Nanorods. Nano Letters, 2010, 10, 2416-2420.	4.5	19
22	Superconductivity in twisted graphene heterostructures. Physical Review B, 2019, 99, .	1.1	10
23	High-density carriers at a strongly coupled interface between graphene and a three-dimensional topological insulator. Physical Review B, 2017, 96, .	1.1	14
24	Spectroscopy of NbSe ₂ Using Energy-Tunable Defect-Embedded Quantum Dots. Nano Letters, 2021, 21, 6931-6937.	4.5	14
25	Interior and Edge Magnetization in Thin Exfoliated CrGeTe ₃ Films. Nano Letters, 2022, 22, 3165-3172.	4.5	12
26	Quantum-dot assisted spectroscopy of degeneracy-lifted Landau levels in graphene. Nature Communications, 2020, 11, 3408.	5.8	10
27	Ultrafast twin-peak rogue waves in a vector field. OSA Continuum, 2019, 2, 3102.	1.8	10
28	Tunable exchange bias in the magnetic Weyl semimetal CoS ₂ . Physical Review B, 2022, 105, .	1.1	10
29	Planar graphene- Josephson junctions in a parallel magnetic field. Physical Review B, 2021, 103, .	0.9	7
30	Many-body dispersions in interacting ballistic quantum wires. Solid State Communications, 2004, 131, 657-663.	0.9	7
31	van der Waals tunneling devices. Physical Review B, 2019, 100, .	1.5	4
32	Graphene-based positron charge sensor. Applied Physics Letters, 2018, 113, .	1.5	4
33	Observation of 2D semiconductor P-type dark-exciton lifetime using two-photon ultrafast spectroscopy. Optics Express, 2019, 27, 33427.	1.7	4
34	Crystallographic orientation errors in mechanical exfoliation. Journal of Physics Condensed Matter, 2018, 30, 475704.	0.7	3
35	Positron charge sensing using a double-gated graphene field effect transistor. Review of Scientific Instruments, 2022, 93, 015002.	0.6	3
36	Tunneling spectroscopy of quantum wires: Spin-charge separation and localization. Physica Status Solidi (B): Basic Research, 2006, 243, 3593-3603.	0.7	2

#	ARTICLE	IF	CITATIONS
37	SPOT IL - Slow positron facility in Israel. AIP Conference Proceedings, 2019, , .	0.3	2
38	Combined Zeeman and orbital effect on the Josephson effect in rippled graphene. Physical Review B, 2020, 102, .	1.1	2
39	Observation of Floquet-Bloch states on the surface of a topological insulator. , 2014, , .		0
40	Observation of Floquet-Bloch States on the Surface of a Topological Insulator. , 2014, , .		0
41	The picosecond structure of ultra-fast rogue waves. , 2018, , .		0