

Sergey Slizovskiy

List of Publications by Year in descending order

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31
papers

758
citations

623734

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32
docs citations

32
times ranked

1068
citing authors

#	ARTICLE	IF	CITATIONS
1	Out-of-equilibrium criticalities in graphene superlattices. <i>Science</i> , 2022, 375, 430-433.	12.6	34
2	Edge photocurrent in bilayer graphene due to inter-Landau-level transitions. <i>Physical Review B</i> , 2021, 103, .	3.2	11
3	Out-of-Plane Dielectric Susceptibility of Graphene in Twistrionic and Bernal Bilayers. <i>Nano Letters</i> , 2021, 21, 6678-6683.	9.1	24
4	Control of Giant Topological Magnetic Moment and Valley Splitting in Trilayer Graphene. <i>Physical Review Letters</i> , 2021, 127, 136402.	7.8	14
5	Electronic phase separation in multilayer rhombohedral graphite. <i>Nature</i> , 2020, 584, 210-214.	27.8	81
6	Control of electron-electron interaction in graphene by proximity screening. <i>Nature Communications</i> , 2020, 11, 2339.	12.8	46
7	Edge photocurrent driven by terahertz electric field in bilayer graphene. <i>Physical Review B</i> , 2020, 102, .	3.2	16
8	Spectroscopic Signatures of Electronic Excitations in Raman Scattering in Thin Films of Rhombohedral Graphite. <i>Nano Letters</i> , 2019, 19, 6152-6156.	9.1	11
9	Dimensional reduction, quantum Hall effect and layer parity in graphite films. <i>Nature Physics</i> , 2019, 15, 437-442.	16.7	39
10	Films of rhombohedral graphite as two-dimensional topological semimetals. <i>Communications Physics</i> , 2019, 2, .	5.3	22
11	Suppressed compressibility of quantum Hall effect edge states in epitaxial graphene on SiC. <i>Physical Review B</i> , 2018, 97, .	3.2	5
12	Electrostatically Induced Quantum Point Contacts in Bilayer Graphene. <i>Nano Letters</i> , 2018, 18, 553-559.	9.1	83
13	Nematic phase in a two-dimensional Hubbard model at weak coupling and finite temperature. <i>Physical Review B</i> , 2018, 98, .	3.2	3
14	Transport Through a Network of Topological Channels in Twisted Bilayer Graphene. <i>Nano Letters</i> , 2018, 18, 6725-6730.	9.1	109
15	Magnetoresistance in Co-hBN-NiFe Tunnel Junctions Enhanced by Resonant Tunneling through Single Defects in Ultrathin hBN Barriers. <i>Nano Letters</i> , 2018, 18, 6954-6960.	9.1	15
16	Magnetoresistance of vertical Co-graphene-NiFe junctions controlled by charge transfer and proximity-induced spin splitting in graphene. <i>2D Materials</i> , 2017, 4, 031004.	4.4	73
17	Cooling of chiral heat transport in the quantum Hall effect regime of graphene. <i>Physical Review B</i> , 2017, 96, .	3.2	8
18	Bound states of charges on top of graphene in a magnetic field. <i>Physical Review B</i> , 2015, 92, .	3.2	5

#	ARTICLE	IF	CITATIONS
19	Magnetic Fluctuations and Specific Heat in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Na} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle x \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle$ a Lifshitz Transition. Physical Review Letters, 2015, 114, 066403.	7.8	15
20	Effect of paramagnetic fluctuations on a Fermi-surface topological transition in two dimensions. Physical Review B, 2014, 90, .	3.2	7
21	Charging of graphene by a magnetic field and the mechanical effect of magnetic oscillations. Journal of Physics Condensed Matter, 2013, 25, 496007.	1.8	2
22	Nonlinear magnetization of graphene. Physical Review B, 2012, 86, .	3.2	17
23	New observables in topological instantonic field theories. Journal of Geometry and Physics, 2011, 61, 1868-1880.	1.4	3
24	Towards construction of geometric bosonic quantum field theories I. JETP Letters, 2010, 91, 620-624.	1.4	0
25	Four-dimensional Yang-Mills theory, gauge invariant mass and fluctuating three-branes. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 425402.	2.1	1
26	On spacetime rotation invariance, spin-charge separation and SU(2) Yang-Mills theory. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 322001.	2.1	0
27	Interpretation of Yang-Mills instantons in terms of locally conformal geometry. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 065402.	2.1	1
28	Determinant of the SU(N) caloron with nontrivial holonomy. Physical Review D, 2007, 76, .	4.7	5
29	Fermionic determinant for SU(N) caloron with nontrivial holonomy. Physical Review D, 2006, 73, .	4.7	5
30	Fermionic determinant for dyons and instantons with nontrivial holonomy. Physical Review D, 2005, 71, .	4.7	3
31	Quantum weights of dyons and of instantons with nontrivial holonomy. Physical Review D, 2004, 70, .	4.7	98