Vladimir Enaldiev

List of Publications by Year
in descending order

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Version: 2024-02-01

19 papers	703 citations	840776 11 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	725 citing authors

#	Article	IF	Citations
1	Atomic reconstruction in twisted bilayers of transition metal dichalcogenides. Nature Nanotechnology, 2020, 15, 592-597.	31.5	245
2	Interfacial ferroelectricity in marginally twisted 2D semiconductors. Nature Nanotechnology, 2022, 17, 390-395.	31.5	115
3	Stacking Domains and Dislocation Networks in Marginally Twisted Bilayers of Transition Metal Dichalcogenides. Physical Review Letters, 2020, 124, 206101.	7.8	100
4	Boundary conditions and surface state spectra in topological insulators. JETP Letters, 2015, 101, 89-96.	1.4	36
5	Piezoelectric networks and ferroelectric domains in twistronic superlattices in WS₂/MoS₂ and WSe₂/MoSe₂ bilayers. 2D Materials, 2021, 8, 025030.	4.4	36
6	Weak ferroelectric charge transfer in layer-asymmetric bilayers of 2D semiconductors. Scientific Reports, 2021, 11, 13422.	3.3	29
7	Multifaceted moirÃ© superlattice physics in twisted <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>WSe</mml:mi></mml:mrow><mml:mn>2</mml:mn> bilayers. Physical Review B, 2021, 104, .	3.2	23
8	Surface states of a system of dirac fermions: A minimal model. Journal of Experimental and Theoretical Physics, 2016, 122, 608-620.	0.9	21
9	Band energy landscapes in twisted homobilayers of transition metal dichalcogenides. Applied Physics Letters, 2021, 118, .	3.3	21
10	Transport of Massless Dirac Fermions in Non-topological Type Edge States. Scientific Reports, 2014, 4, 7578.	3.3	18
11	A Scalable Network Model for Electrically Tunable Ferroelectric Domain Structure in Twistronic Bilayers of Two-Dimensional Semiconductors. Nano Letters, 2022, 22, 1534-1540.	9.1	15
12	Resonant electron scattering by a graphene antidot. Physical Review B, 2015, 92, .	3.2	9
13	Edge states and spin-valley edge photocurrent in transition metal dichalcogenide monolayers. Physical Review B, 2017, 96, .	3.2	8
14	Full Slonczewski-Weiss-McClure parametrization of few-layer twistronic graphene. Physical Review B, 2021, 104, .	3.2	8
15	Resonance absorption of terahertz radiation in nanoperforated graphene. JETP Letters, 2016, 104, 624-628.	1.4	5
16	Quantum confinement and heavy surface states of Dirac fermions in bismuth (111) films: An analytical approach. Physical Review B, 2018, 97, .	3.2	4
17	Collective excitations in a two-component one-dimensional massless Dirac plasma. Physical Review B, 2018, 98, .	3.2	3
18	Aharonovâ€“Bohm oscillations caused by non-topological surface states in Dirac nanowires. JETP Letters, 2016, 104, 784-790.	1.4	2

#	Article	IF	Citations
19	Quasistationary near-gate plasmons in van der Waals heterostructures. Physical Review B, 2021, 104, .	3.2	2