

Davit A Ghazaryan

List of Publications by Year in Descending Order

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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.

13
papers

572
citations

10
h-index

15
g-index

15
ext. papers

706
ext. citations

10.7
avg, IF

3.37
L-index

#	Paper	IF	Citations
13	Twisted monolayer and bilayer graphene for vertical tunneling transistors. <i>Applied Physics Letters</i> , 2021 , 118, 183106	3.4	2
12	On the Role of Structural Imperfections of Graphene in Resonant Tunneling through Localized States in the h-BN Barrier of van-der-Waals Heterostructures. <i>Semiconductors</i> , 2020 , 54, 291-296	0.7	
11	Field-induced insulating states in a graphene superlattice. <i>Physical Review B</i> , 2019 , 99,	3.3	2
10	High-temperature electronic devices enabled by hBN-encapsulated graphene. <i>Applied Physics Letters</i> , 2019 , 114, 123104	3.4	19
9	Engineering Graphene Flakes for Wearable Textile Sensors via Highly Scalable and Ultrafast Yarn Dyeing Technique. <i>ACS Nano</i> , 2019 , 13, 3847-3857	16.7	115
8	Planar and van der Waals heterostructures for vertical tunnelling single electron transistors. <i>Nature Communications</i> , 2019 , 10, 230	17.4	29
7	Unusual Suppression of the Superconducting Energy Gap and Critical Temperature in Atomically Thin NbSe. <i>Nano Letters</i> , 2018 , 18, 2623-2629	11.5	39
6	Magnon-assisted tunnelling in van der Waals heterostructures based on CrBr ₃ . <i>Nature Electronics</i> , 2018 , 1, 344-349	28.4	167
5	Graphene hot-electron light bulb: incandescence from hBN-encapsulated graphene in air. <i>2D Materials</i> , 2018 , 5, 011006	5.9	29
4	Tunnel spectroscopy of localised electronic states in hexagonal boron nitride. <i>Communications Physics</i> , 2018 , 1,	5.4	25
3	Stacking transition in bilayer graphene caused by thermally activated rotation. <i>2D Materials</i> , 2017 , 4, 011013	5.9	18
2	Phonon-Assisted Resonant Tunneling of Electrons in Graphene-Boron Nitride Transistors. <i>Physical Review Letters</i> , 2016 , 116, 186603	7.4	63
1	Tuning the valley and chiral quantum state of Dirac electrons in van der Waals heterostructures. <i>Science</i> , 2016 , 353, 575-9	33.3	63