

Juan Pedro Mendez Granado

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

93
citations

1478505

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1372567

10
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16
all docs

16
docs citations

16
times ranked

106
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain-tuning of transport gaps and semiconductor-to-conductor phase transition in twinned graphene. <i>Acta Materialia</i> , 2022, 234, 117987.	7.9	0
2	MXE: A package for simulating long-term diffusive mass transport phenomena in nanoscale systems. <i>Computer Physics Communications</i> , 2021, 260, 107315.	7.5	7
3	Revealing quantum effects in highly conductive $\hat{\Gamma}$ -layer systems. <i>Communications Physics</i> , 2021, 4, .	5.3	7
4	Quantum Transport Simulations for Si:P $\hat{\Gamma}$ -layer Tunnel Junctions. , 2021, , .		2
5	Modeling and Assessment of Atomic Precision Advanced Manufacturing (APAM) Enabled Vertical Tunneling Field Effect Transistor. , 2021, , .		0
6	Spontaneous twinning as an accommodation mechanism in monolayer graphene. <i>European Journal of Mechanics, A/Solids</i> , 2020, 80, 103923.	3.7	4
7	Charge-carrier transmission across twins in graphene. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 425003.	1.8	2
8	Shear localization as a mesoscopic stress-relaxation mechanism in fused silica glass at high strain rates. <i>Journal of the Mechanics and Physics of Solids</i> , 2020, 140, 103940.	4.8	2
9	Quantum Transport in Si:P $\hat{\Gamma}$ -Layer Wires. , 2020, , .		4
10	Steric Interference in Bilayer Graphene with Point Dislocations. <i>Nanomaterials</i> , 2019, 9, 1012.	4.1	6
11	Diffusive molecular dynamics simulations of lithiation of silicon nanopillars. <i>Journal of the Mechanics and Physics of Solids</i> , 2018, 115, 123-141.	4.8	21
12	Charge carrier transport across grain boundaries in graphene. <i>Acta Materialia</i> , 2018, 154, 199-206.	7.9	11
13	Harmonic model of graphene based on a tight binding interatomic potential. <i>Journal of the Mechanics and Physics of Solids</i> , 2016, 93, 198-223.	4.8	5
14	Title is missing!. <i>Journal of Mechanics of Materials and Structures</i> , 2015, 10, 239-253.	0.6	2
15	Stacking faults and partial dislocations in graphene. <i>Philosophical Magazine</i> , 2012, 92, 2004-2021.	1.6	19
16	Thermal Stability of Tilt Grain Boundaries in Graphene. <i>Applied Mechanics and Materials</i> , 0, 481, 129-132.	0.2	1