

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

6
h-index

1372567

10
g-index

16
all docs

16
docs citations

16
times ranked

106
citing authors

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