Abdullah Al Amin

List of Publications by Year
in descending order

11 papers	230 citations	1307594 7 h-index	1281871 11 g-index
11 all docs	11 docs citations	11 times ranked	257 citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical properties of stanene under uniaxial and biaxial loading: A molecular dynamics study. Journal of Applied Physics, 2015, 118, .	2.5	55
2	Conceptual designs of conduction cooled MgB_2 magnets for 1.5 and 3.0 T full body MRI systems. Superconductor Science and Technology, 2017, 30, 043002.	3.5	51
3	Computational homogenization of the elastic and thermal properties of superconducting composite MgB2 wire. Composite Structures, 2018, 188, 313-329.	5.8	31
4	Mechanical and vibrational characteristics of functionally graded Cuâ€"Ni nanowire: A molecular dynamics study. Composites Part B: Engineering, 2020, 198, 108212.	12.0	30
5	A multiscale and multiphysics model of strain development in a 1.5 T MRI magnet designed with 36 filament composite MgB_2 superconducting wire. Superconductor Science and Technology, 2016, 29, 055008.	3.5	21
6	Numerical simulation of quench protection for a 1.5 T persistent mode MgB_2 conduction-cooled MRI magnet. Superconductor Science and Technology, 2017, 30, 025021.	3.5	14
7	Soft microgripping using ionic liquids for high temperature and vacuum applications. Journal of Micromechanics and Microengineering, 2011, 21, 125025.	2.6	9
8	Mechanical Analysis of MgB2 Based Full Body MRI Coils Under Different Winding Conditions. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	8
9	Unveiling the structures and electronic properties of CH3NH3PbI3 interfaces with TiO2, ZnO, and SnO2: a first-principles study. Journal of Materials Science, 2019, 54, 13594-13608.	3.7	5
10	Mechanical analysis of an MgB2 1.5â€¯T MRI main magnet protected using Coupling Loss Induced Quench. Cryogenics, 2019, 100, 18-27.	1.7	4
11	A Computational Study to Find an Optimal RRR Value for a 1.5-T Persistent-Mode Conduction-Cooled MgB 2 MRI Magnet From a Quench Protection Point of View. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-6.	1.7	2