# Abdullah Al Amin

List of Publications by Year
in descending order

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|---|---|---|---|
| 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 and vibrational characteristics of functionally graded Cu–Ni nanowire: A molecular dynamics study. Composites Part B: Engineering, 2020, 198, 108212. | 12.0 | 30 |
| 2 | 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 |
| 3 | Mechanical analysis of an MgB2 1.5 T MRI main magnet protected using Coupling Loss Induced Quench. Cryogenics, 2019, 100, 18-27. | 1.7 | 4 |
| 4 | Computational homogenization of the elastic and thermal properties of superconducting composite MgB2 wire. Composite Structures, 2018, 188, 313-329. | 5.8 | 31 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | Mechanical properties of stanene under uniaxial and biaxial loading: A molecular dynamics study. Journal of Applied Physics, 2015, 118, . | 2.5 | 55 |
| 11 | Soft microgripping using ionic liquids for high temperature and vacuum applications. Journal of Micromechanics and Microengineering, 2011, 21, 125025. | 2.6 | 9 |