

Soumen Kar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2367401/publications.pdf>

Version: 2024-02-01

10
papers

91
citations

1937685

4
h-index

1588992

8
g-index

10
all docs

10
docs citations

10
times ranked

138
citing authors

#	ARTICLE	IF	CITATIONS
1	Defect-induced photoluminescence from gallium-doped zinc oxide thin films: influence of doping and energetic ion irradiation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 15019-15029.	2.8	63
2	Development of high homogeneity and high stability 1.5T superconducting magnet for whole body MRI scanner. <i>Indian Journal of Cryogenics</i> , 2019, 44, 193.	0.1	7
3	Experimental studies on thermal behavior of 6 Tesla cryogen-free superconducting magnet system. , 2012, , .		5
4	Quench Protection System of a Whole-Body Non-impregnated 1.5 T Superconducting MRI Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2021, 31, 1-5.	1.7	5
5	Stress-Induced Magnetic Field Inhomogeneity in a 1.5 T Superconducting MRI Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2018, 28, 1-5.	1.7	4
6	Temperature and Resistance Profile on HTS Tape During Fault and Recovery in Modular SFCL Unit. <i>IEEE Transactions on Applied Superconductivity</i> , 2020, 30, 1-6.	1.7	2
7	Signature of strong localization and crossover conduction processes in doped ZnO thin films: synergetic effect of doping fraction and dense electronic excitations. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 315701.	1.8	2
8	Thermal and Electrical Behaviour of the Persistent Current Switch for a Whole-Body Superconducting MRI Magnet. <i>IEEE Transactions on Applied Superconductivity</i> , 2021, 31, 1-5.	1.7	1
9	Quench Induced Eddy Current and Mechanical Stresses in the Bobbin and Thermal Shield of the 1.5 T MRI Magnet System. <i>IEEE Transactions on Applied Superconductivity</i> , 2021, 31, 1-7.	1.7	1
10	High-power cold diodes for the protection of a 1.5 T superconducting MRI magnet system. <i>Semiconductor Science and Technology</i> , 2022, 37, 085012.	2.0	1