

# Soumen Kar

## List of Publications by Year in descending order

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Version: 2024-02-01

10  
papers

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citations

1937685

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h-index

1588992

8  
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all docs

10  
docs citations

10  
times ranked

138  
citing authors

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