Mukarram Zaman Khan

List of Publications by Year
in descending order

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12	206	1163117 8	1199594 12
papers	citations	h-index	g-index

12	12	12	203
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strongly Enhanced Growth of High-Temperature Superconducting Films on an Advanced Metallic Template. Crystal Growth and Design, 2022, 22, 2097-2104.	3.0	2
2	Control of the nanosized defect network in superconducting thin films by target grain size. Scientific Reports, 2021, 11, 6010.	3.3	9
3	Ultra-fast growth of cuprate superconducting films: Dual-phase liquid assisted epitaxy and strong flux pinning. Materials Today Physics, 2021, 18, 100400.	6.0	56
4	Multilayering BZO nanocolumns with different defect densities for YBCO high field applications. New Journal of Physics, 2021, 23, 113031.	2.9	7
5	High Critical Current Density and Enhanced Pinning in Superconducting Films of YBa₂Cu₃O_{7â^'Î´} Nanocomposites with Embedded BaZrO₃, BaHfO₃, BaTiO₃, and SrZrO₃ Nanocrystals. ACS Applied Nano Materials, 2020, 3, 5542-5553.	5.0	28
6	Lattice defect induced nanorod growth in YBCO films deposited on an advanced IBAD-MgO template. Superconductor Science and Technology, 2020, 33, 075008.	3.5	7
7	Self-assembled nanorods in YBCO matrix â€“ a computational study of their effects on critical current anisotropy. Scientific Reports, 2020, 10, 3169.	3.3	15
8	Enhanced flux pinning isotropy by tuned nanosized defect network in superconducting YBa2Cu3O6+x films. Scientific Reports, 2019, 9, 15425.	3.3	24
9	Role of Columnar Defect Size in Angular Dependent Flux Pinning Properties of YBCO Thin Films. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	22
10	Improving the Flux Pinning With Artificial BCO Nanodots and Correlated Dislocations in YBCO Films Grown on IBAD-MgO Based Template. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	2
11	Insight into the Interfacial Nucleation and Competitive Growth of YBa₂Cu₃O_{7â^'Î´} Films as High-Performance Coated Conductors by a Fluorine-Free Metalâ€“Organic Decomposition Route. Crystal Growth and Design, 2019, 19, 6752-6762.	3.0	22
12	Angular and field dependent flux pinning in artificially doped YBCO films on IBAD-MgO based template. Physica C: Superconductivity and Its Applications, 2018, 555, 15-23.	1.2	12