

Haizhou Xue

List of Publications by Year in descending order

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21
papers

1,020
citations

623734

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713466

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21
all docs

21
docs citations

21
times ranked

993
citing authors

#	ARTICLE	IF	CITATIONS
1	Ion irradiation induced strain and structural changes in LiTaO ₃ perovskite*. Journal of Physics Condensed Matter, 2021, 33, 185402.	1.8	5
2	Symmetry degeneration and room temperature ferroelectricity in ion-irradiated SrTiO ₃ . Journal of Physics Condensed Matter, 2020, 32, 355405.	1.8	6
3	Segregation of Ni at early stages of radiation damage in NiCoFeCr solid solution alloys. Acta Materialia, 2020, 196, 44-51.	7.9	39
4	Two regimes of ionization-induced recovery in SrTiO ₃ under irradiation. Scripta Materialia, 2019, 173, 154-157.	5.2	13
5	Strain engineering 4H-SiC with ion beams. Applied Physics Letters, 2019, 114, .	3.3	11
6	Effect of electronic energy dissipation on strain relaxation in irradiated concentrated solid solution alloys. Current Opinion in Solid State and Materials Science, 2019, 23, 107-115.	11.5	25
7	Synergistically-enhanced ion track formation in pre-damaged strontium titanate by energetic heavy ions. Acta Materialia, 2018, 150, 351-359.	7.9	20
8	Amorphization due to electronic energy deposition in defective strontium titanate. Acta Materialia, 2017, 127, 400-406.	7.9	29
9	Effects of chemical alternation on damage accumulation in concentrated solid-solution alloys. Scientific Reports, 2017, 7, 4146.	3.3	32
10	Local Structure and Short-Range Order in a NiCoCr Solid Solution Alloy. Physical Review Letters, 2017, 118, 205501.	7.8	283
11	In-cascade ionization effects on defect production in 3C silicon carbide. Materials Research Letters, 2017, 5, 494-500.	8.7	29
12	Influence of chemical disorder on energy dissipation and defect evolution in advanced alloys. Journal of Materials Research, 2016, 31, 2363-2375.	2.6	110
13	Synergy of inelastic and elastic energy loss: Temperature effects and electronic stopping power dependence. Scripta Materialia, 2016, 110, 2-5.	5.2	19
14	Synergy of elastic and inelastic energy loss on ion track formation in SrTiO ₃ . Scientific Reports, 2015, 5, 7726.	3.3	98
15	Ionization-induced annealing of pre-existing defects in silicon carbide. Nature Communications, 2015, 6, 8049.	12.8	116
16	Predictive modeling of synergistic effects in nanoscale ion track formation. Physical Chemistry Chemical Physics, 2015, 17, 22538-22542.	2.8	25
17	Preparation and Properties of BaTiO ₃ Ceramic Fibers for Ferroelectric Applications. Ferroelectrics, 2014, 466, 29-35.	0.6	3
18	Electronic stopping powers for heavy ions in SiC and SiO ₂ . Journal of Applied Physics, 2014, 115, 044903.	2.5	36

#	ARTICLE	IF	CITATIONS
19	New ion beam materials laboratory for materials modification and irradiation effects research. Nuclear Instruments & Methods in Physics Research B, 2014, 338, 19-30.	1.4	118
20	High speed characterization of the magnetoelectric hysteresis loop. IEEE Transactions on Magnetics, 2013, 49, 5671-5674.	2.1	2
21	Crystal Structure and Dielectric Properties of PZT Ferroelectric Ceramic Fibers. Ferroelectrics, 2010, 408, 86-90.	0.6	1