

Haizhou Xue

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,020
citations

623734

14
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

993
citing authors

#	ARTICLE	IF	CITATIONS
1	Local Structure and Short-Range Order in a NiCoCr Solid Solution Alloy. <i>Physical Review Letters</i> , 2017, 118, 205501.	7.8	283
2	New ion beam materials laboratory for materials modification and irradiation effects research. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 338, 19-30.	1.4	118
3	Ionization-induced annealing of pre-existing defects in silicon carbide. <i>Nature Communications</i> , 2015, 6, 8049.	12.8	116
4	Influence of chemical disorder on energy dissipation and defect evolution in advanced alloys. <i>Journal of Materials Research</i> , 2016, 31, 2363-2375.	2.6	110
5	Synergy of elastic and inelastic energy loss on ion track formation in SrTiO ₃ . <i>Scientific Reports</i> , 2015, 5, 7726.	3.3	98
6	Segregation of Ni at early stages of radiation damage in NiCoFeCr solid solution alloys. <i>Acta Materialia</i> , 2020, 196, 44-51.	7.9	39
7	Electronic stopping powers for heavy ions in SiC and SiO ₂ . <i>Journal of Applied Physics</i> , 2014, 115, 044903.	2.5	36
8	Effects of chemical alternation on damage accumulation in concentrated solid-solution alloys. <i>Scientific Reports</i> , 2017, 7, 4146.	3.3	32
9	Amorphization due to electronic energy deposition in defective strontium titanate. <i>Acta Materialia</i> , 2017, 127, 400-406.	7.9	29
10	In-cascade ionization effects on defect production in 3C silicon carbide. <i>Materials Research Letters</i> , 2017, 5, 494-500.	8.7	29
11	Predictive modeling of synergistic effects in nanoscale ion track formation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22538-22542.	2.8	25
12	Effect of electronic energy dissipation on strain relaxation in irradiated concentrated solid solution alloys. <i>Current Opinion in Solid State and Materials Science</i> , 2019, 23, 107-115.	11.5	25
13	Synergistically-enhanced ion track formation in pre-damaged strontium titanate by energetic heavy ions. <i>Acta Materialia</i> , 2018, 150, 351-359.	7.9	20
14	Synergy of inelastic and elastic energy loss: Temperature effects and electronic stopping power dependence. <i>Scripta Materialia</i> , 2016, 110, 2-5.	5.2	19
15	Two regimes of ionization-induced recovery in SrTiO ₃ under irradiation. <i>Scripta Materialia</i> , 2019, 173, 154-157.	5.2	13
16	Strain engineering 4H-SiC with ion beams. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	11
17	Symmetry degeneration and room temperature ferroelectricity in ion-irradiated SrTiO ₃ . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 355405.	1.8	6
18	Ion irradiation induced strain and structural changes in LiTaO ₃ perovskite*. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 185402.	1.8	5

#	ARTICLE	IF	CITATIONS
19	Preparation and Properties of BaTiO ₃ Ceramic Fibers for Ferroelectric Applications. Ferroelectrics, 2014, 466, 29-35.	0.6	3
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