

Yuanchao Ji

List of Publications by Year in descending order

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35
all docs

35
docs citations

35
times ranked

594
citing authors

#	ARTICLE	IF	CITATIONS
1	Strain glass in ferroelastic systems: Premartensitic tweed versus strain glass. Philosophical Magazine, 2010, 90, 141-157.	1.6	114
2	Heterogeneities and strain glass behavior: Role of nanoscale precipitates in low-temperature-aged Ti _{48.7} Ni _{51.3} alloys. Physical Review Morphotropic Relaxor Boundary in a Relaxor System Showing Enhancement of Electrostrain and Dielectric Permittivity. Physical Review Letters, 2019, 123, 137601	3.2	71
3	Spontaneous strain glass to martensite transition in a Ti ₅₀ Ni _{44.5} Fe _{44.5}	7.8	53
4	Understanding the mechanism of thermal-stable high-performance piezoelectricity. Acta Materialia, 2019, 169, 155-161.	3.2	51
5	Origin of an Isothermal R-Martensite Formation in Ni-rich Ti-Ni Solid Solution: Crystallization of Strain Glass. Physical Review Letters, 2015, 114, 055701.	7.9	49
6	Low-Field-Triggered Large Magnetostriction in Iron-Palladium Strain Glass Alloys. Physical Review Letters, 2017, 119, 125701	7.8	48
7	Inverse effect of morphotropic phase boundary on the magnetostriction of ferromagnetic Tb ₁ Gd _x Co _x	7.8	41
8	Re-entrant relaxor ferroelectric composite showing exceptional electromechanical properties. NPC Asia Materials, 2018, 10, 1029-1036.	3.2	37
9	Designed morphotropic relaxor boundary ceramic exhibiting large electrostrain and negligible hysteresis. Acta Materialia, 2021, 208, 116720.	7.9	36
10	Ferroc glasses. Npj Computational Materials, 2017, 3, .	7.9	30
11	Evolution from successive phase transitions to a morphotropic phase boundary in BaTiO ₃ -based ferroelectrics. Applied Physics Letters, 2018, 112, .	8.7	27
12	Evolution of the tetragonal to rhombohedral transition in (1-x)TjEQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (x)(Bi<sub>sub>	3.3	22
13	Novel B19' strain glass with large recoverable strain. Physical Review Materials, 2017, 1, .	6.1	20
14	Large piezoelectric coefficient with enhanced thermal stability in Nb ⁵⁺ -doped Ba _{0.85} Ca _{0.15} Zr _{0.1} Ti _{0.9} O ₃ ceramics. Ceramics International, 2020, 46, 3236-3241.	2.4	20
15	A lightweight strain glass alloy showing nearly temperature-independent low modulus and high strength. Nature Materials, 2022, 21, 1003-1007.	4.8	18
16	Superelasticity over a wide temperature range in metastable Ti ²⁺ -Ti shape memory alloys. Journal of Alloys and Compounds, 2021, 853, 157090.	27.5	18
17	Time-dependent ferroelectric transition in Pb(1-x)(Zr _{0.4} Ti _{0.6}) _{1-x/4} O ₃ -La system. Applied Physics Letters, 2013, 102, .	5.5	17
18		3.3	14

#	ARTICLE	IF	CITATIONS
19	Resolution of a discrepancy of magnetic mechanism for Elinvar anomaly in Fe-Ni based alloys. Journal of Materials Science and Technology, 2019, 35, 396-401.	10.7	14
20	Reentrant strain glass transition in Ti-Ni-Cu shape memory alloy. Acta Materialia, 2022, 226, 117618.	7.9	14
21	Glass-ferroic composite caused by the crystallization of ferroic glass. Physical Review B, 2015, 92, .	3.2	12
22	Strain glass in Ti ₅₀ ~ ^x Ni _{35+x} Cu ₁₅ shape memory alloys. Scripta Materialia, 2019, 168, 71-75.	5.2	12
23	Tilt strain glass in Sr and Nb co-doped LaAlO ₃ ceramics. Acta Materialia, 2019, 168, 250-260.	7.9	12
24	Strain Glass and Novel Properties. Shape Memory and Superelasticity, 2019, 5, 299-312.	2.2	12
25	Spinodal strain glass in Mn-Cu alloys. Acta Materialia, 2022, 231, 117874.	7.9	12
26	Strain Glass State, Strain Glass Transition, and Controlled Strain Release. Annual Review of Materials Research, 2022, 52, 159-187.	9.3	10
27	Exceptional combination of large magnetostriction, low hysteresis and wide working temperature range in (1-x)TbFe ₂ -xDyCo ₂ alloys. Acta Materialia, 2021, 220, 117308.	7.9	9
28	Strain Glasses. Springer Series in Materials Science, 2018, , 183-203.	0.6	6
29	Effect of thermal-cycling on the piezoelectricity of 0.5Ba(Zr _{0.2} Ti _{0.8})O ₃ -0.5(Ba _{0.7} Ca _{0.3})TiO ₃ Pb-free piezoceramic. Journal of Alloys and Compounds, 2020, 847, 156462.	5.5	5
30	Simultaneously increasing the strength and decreasing the modulus in TiNi alloys via plastic deformation. Scripta Materialia, 2022, 209, 114374.	5.2	5
31	Temperature invariable magnetization in Co-Al-Fe alloys by a martensitic transformation. Applied Physics Letters, 2018, 113, 172402.	3.3	3
32	Quasi-Linear Superelasticity with Ultralow Modulus in Tensile Cyclic Deformed TiNi Strain Glass. Advanced Engineering Materials, 2022, 24, .	3.5	3
33	Microscopic origin of the enhanced piezoelectric thermal stability in acceptor doped lead-free Ba(Ti _{0.8} Zr _{0.2})O ₃ -50(Ba _{0.7} Ca _{0.3})TiO ₃ ceramic. Ceramics International, 2022, 48, 5274-5279.	4.8	2
34	Excellent thermal-cycling stability caused by aging in Fe-doped (Ba _{0.85} Ca _{0.15})(Ti _{0.9} Zr _{0.1})O ₃ lead-free piezoceramic. Scripta Materialia, 2021, 202, 113990.	5.2	0
35	Stabilized piezoelectricity upon ferro-ferro phase transition achieved by aging induced domain memory effect in acceptor doped lead-free ceramics. Scripta Materialia, 2022, 219, 114872.	5.2	0