Yuanchao Ji

List of Publications by Year in descending order

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35 papers	817 citations	516710 16 h-index	501196 28 g-index
35 all docs	35 docs citations	35 times ranked	594 citing authors

#	Article	IF	Citations
1	Simultaneously increasing the strength and decreasing the modulus in TiNi alloys via plastic deformation. Scripta Materialia, 2022, 209, 114374.	5.2	5
2	Microscopic origin of the enhanced piezoelectric thermal stability in acceptor doped lead-free Ba(Ti0.8Zr0.2)O3-50(Ba0.7Ca0.3)TiO3 ceramic. Ceramics International, 2022, 48, 5274-5279.	4.8	2
3	Reentrant strain glass transition in Ti-Ni-Cu shape memory alloy. Acta Materialia, 2022, 226, 117618.	7.9	14
4	Quasiâ€Łinear Superelasticity with Ultralow Modulus in Tensile Cyclic Deformed TiNi Strain Glass. Advanced Engineering Materials, 2022, 24, .	3.5	3
5	Strain Glass State, Strain Glass Transition, and Controlled Strain Release. Annual Review of Materials Research, 2022, 52, 159-187.	9.3	10
6	Spinodal strain glass in Mn-Cu alloys. Acta Materialia, 2022, 231, 117874.	7.9	12
7	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
8	A lightweight strain glass alloy showing nearly temperature-independent low modulus and high strength. Nature Materials, 2022, 21, 1003-1007.	27.5	18
9	Superelasticity over a wide temperature range in metastable Î²-Ti shape memory alloys. Journal of Alloys and Compounds, 2021, 853, 157090.	5.5	17
10	Designed morphotropic relaxor boundary ceramic exhibiting large electrostrain and negligible hysteresis. Acta Materialia, 2021, 208, 116720.	7.9	30
11	Excellent thermal-cycling stability caused by aging in Fe-doped (Ba0.85Ca0.15)(Ti0.9Zr0.1)O3 lead-free piezoceramic. Scripta Materialia, 2021, 202, 113990.	5.2	0
12	Exceptional combination of large magnetostriction, low hysteresis and wide working temperature range in (1-x)TbFe2-xDyCo2 alloys. Acta Materialia, 2021, 220, 117308.	7.9	9
13	Large piezoelectric coefficient with enhanced thermal stability in Nb5+-doped Ba0.85Ca0.15Zr0.1Ti0.9O3 ceramics. Ceramics International, 2020, 46, 3236-3241.	4.8	18
14	Effect of thermal-cycling on the piezoelectricity of 0.5Ba(Zr0.2Ti0.8)O3-0.5(Ba0.7Ca0.3)TiO3 Pb-free piezoceramic. Journal of Alloys and Compounds, 2020, 847, 156462.	5.5	5
15	Morphotropic Relaxor Boundary in a Relaxor System Showing Enhancement of Electrostrain and Dielectric Permittivity. Physical Review Letters, 2019, 123, 137601.	7.8	53
16	Strain glass in Ti50â^'xNi35+xCu15 shape memory alloys. Scripta Materialia, 2019, 168, 71-75.	5.2	12
17	Understanding the mechanism of thermal-stable high-performance piezoelectricity. Acta Materialia, 2019, 169, 155-161.	7.9	49
18	Tilt strain glass in Sr and Nb co-doped LaAlO3 ceramics. Acta Materialia, 2019, 168, 250-260.	7.9	12

#	ARTICLE	IF	CITATIONS
19	Strain Glass and Novel Properties. Shape Memory and Superelasticity, 2019, 5, 299-312.	2.2	12
20	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
21	Evolution from successive phase transitions to â€œmorphotropic phase boundaryâ€•in BaTiO3-based ferroelectrics. Applied Physics Letters, 2018, 112, .	3.3	22
22	Re-entrant relaxorâ€“ferroelectric composite showing exceptional electromechanical properties. NPG Asia Materials, 2018, 10, 1029-1036.	7.9	36
23	Strain Glasses. Springer Series in Materials Science, 2018, , 183-203.	0.6	6
24	Temperature invariable magnetization in Co-Al-Fe alloys by a martensitic transformation. Applied Physics Letters, 2018, 113, 172402.	3.3	3
25	Ferroic glasses. Npj Computational Materials, 2017, 3, .	8.7	27
26	Low-Field-Triggered Large Magnetostriction in Iron-Palladium Strain Glass Alloys. Physical Review Letters, 2017, 119, 125701.	7.8	41
27	Novel B19â€² strain glass with large recoverable strain. Physical Review Materials, 2017, 1, .	2.4	20
28	Glass-ferroic composite caused by the crystallization of ferroic glass. Physical Review B, 2015, 92, .	3.2	12
29	Origin of an Isothermal<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>R</mml:mi></mml:mrow></mml:math>-Martensite Formation in Inverse Effect of morphotropic phase boundary on the magnetostriction of ferromagnetic 14, 055701.	7.8	48
30	Tb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Gd<mml: xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></	3.2	37
31	Ti<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>48.7</mml:mn></mml:mrow></mml:msub></mml:math>Ni<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>51.3</mml:mn></mml:mrow></mml:msub></mml:math>alloys. Physical Review	3.2	71
32	Time-dependent ferroelectric transition in Pb(1â^’x)(Zr0.4Ti0.6)(1â^’x/4)O3â€‰â^’â€‰xLa system. Applied Physics Letters, 2013, 102, .	3.3	14
33	Evolution of the tetragonal to rhombohedral transition in (1 â^’) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td (x)(Bi<s	6.1	20
34	Spontaneous strain glass to martensite transition in a Ti<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>50</mml:mn></mml:msub></mml:math>Ni<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>44.5</mml:mn></mml:mrow></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	3.2	51
35	Strain glass in ferroelastic systems: Premartensitic tweed versus strain glass. Philosophical Magazine, 2010, 90, 141-157.	1.6	114