Jinjun Liu

List of Publications by Year
in descending order

87 papers	2,887 citations	218677 26 h-index	175258 52 g-index
87 all docs	87 docs citations	87 times ranked	1414 citing authors

#	Article	IF	Citations
1	Achieving high discharge energy density and efficiency with NBT-based ceramics for application in capacitors. Journal of Materials Chemistry C, 2019, 7, 4072-4078.	5.5	291
2	Greatly enhanced discharge energy density and efficiency of novel relaxation ferroelectric BNTâ€“BKT-based ceramics. Journal of Materials Chemistry C, 2020, 8, 591-601.	5.5	224
3	Grain size dependence of coercivity of hot-deformed Ndâ€“Feâ€“B anisotropic magnets. Acta Materialia, 2015, 82, 336-343.	7.9	173
4	Significantly Improvement of Comprehensive Energy Storage Performances with Lead-free Relaxor Ferroelectric Ceramics for High-temperature Capacitors Applications. Acta Materialia, 2021, 203, 116484.	7.9	149
5	High-coercivity hot-deformed Ndâ€“Feâ€“B permanent magnets processed by Ndâ€“Cu eutectic diffusion under expansion constraint. Scripta Materialia, 2014, 81, 48-51.	5.2	136
6	Enhancement of recoverable energy density and efficiency of lead-free relaxor-ferroelectric BNT-based ceramics. Chemical Engineering Journal, 2021, 406, 126818.	12.7	123
7	Fatigueâ€Free Aurivillius Phase Ferroelectric Thin Films with Ultrahigh Energy Storage Performance. Advanced Energy Materials, 2020, 10, 2001536.	19.5	114
8	Ultrahigh Energy Storage Performance of Layered Polymer Nanocomposites over a Broad Temperature Range. Advanced Materials, 2021, 33, e2103338.	21.0	96
9	Simultaneously enhanced discharge energy density and efficiency in nanocomposite film capacitors utilizing two-dimensional NaNbO₃@Al₂O₃ platelets. Nanoscale, 2019, 11, 10546-10554.	5.6	93
10	Superior discharge energy density and efficiency in polymer nanocomposites induced by linear dielectric coreâ€“shell nanofibers. Journal of Materials Chemistry C, 2019, 7, 405-413.	5.5	92
11	Highly enhanced discharged energy density of polymer nanocomposites <i>via</i> a novel hybrid structure as fillers. Journal of Materials Chemistry A, 2019, 7, 15347-15355.	10.3	89
12	Optimization the energy density and efficiency of BaTiO3-based ceramics for capacitor applications. Chemical Engineering Journal, 2021, 409, 127375.	12.7	83
13	Low temperature diffusion process using rare earth-Cu eutectic alloys for hot-deformed Nd-Fe-B bulk magnets. Journal of Applied Physics, 2014, 115, .	2.5	73
14	Ultrahigh discharge efficiency and improved energy density in polymer-based nanocomposite for high-temperature capacitors application. Composites Part A: Applied Science and Manufacturing, 2021, 142, 106266.	7.6	73
15	Realizing high comprehensive energy storage performances of BNT-based ceramics for application in pulse power capacitors. Journal of the European Ceramic Society, 2021, 41, 2548-2558.	5.7	72
16	Largely enhanced energy storage capability of a polymer nanocomposite utilizing a core-satellite strategy. Nanoscale, 2018, 10, 16621-16629.	5.6	70
17	Enhancement thermal stability of polyetherimide-based nanocomposites for applications in energy storage. Composites Science and Technology, 2021, 201, 108501.	7.8	58
18	Significantly improved recoverable energy density and ultrafast discharge rate of Na0.5Bi0.5TiO3-based ceramics. Ceramics International, 2020, 46, 15364-15371.	4.8	56

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19	Direct experimental evidence for anisotropy compensation between Dy3+ and Pr3+ ions. Applied Physics Letters, 2006, 89, 122506.	3.3	47
20	Improved energy storage performances of lead-free BiFeO3-based ceramics via doping Sr0.7La0.2TiO3. Journal of Alloys and Compounds, 2022, 898, 162795.	5.5	33
21	Enhancement of thermal stability and energy storage capability of flexible Ag nanodot/polyimide nanocomposite films<i>via in situ</i>synthesis. Journal of Materials Chemistry C, 2020, 8, 12607-12614.	5.5	32
22	Ultrahigh chargeâ€“discharge efficiency and high energy density of a high-temperature stable sandwich-structured polymer. Journal of Materials Chemistry A, 2022, 10, 1579-1587.	10.3	30
23	Two-Dimensional Fillers Induced Superior Electrostatic Energy Storage Performance in Trilayered Architecture Nanocomposites. ACS Applied Materials & Interfaces, 2022, 14, 8448-8457.	8.0	30
24	Enhanced energy storage capability of (1-x)Na0.5Bi0.5TiO3-xSr0.7Bi0.2TiO3 free-lead relaxor ferroelectric thin films. Ceramics International, 2020, 46, 14816-14821.	4.8	29
25	Ultrahigh energy storage performance of a polymer-based nanocomposite <i>via</i> interface engineering. Journal of Materials Chemistry A, 2021, 9, 3530-3539.	10.3	29
26	Substantially improved energy storage capability of ferroelectric thin films for application in high-temperature capacitors. Journal of Materials Chemistry A, 2021, 9, 9281-9290.	10.3	27
27	High Pr-content (Tb0.2Pr0.8)(Fe0.4Co0.6)1.93â˜’xBx magnetostrictive alloys. Applied Physics Letters, 2005, 87, 082506.	3.3	24
28	Low electric field induced high energy storage capability of the free-lead relaxor ferroelectric 0.94Bi0.5Na0.5TiO3-0.06BaTiO3-based ceramics. Ceramics International, 2021, 47, 11611-11617.	4.8	23
29	Structure and anisotropic compensation of Tb1â˜’xPrx(Fe0.4Co0.55B0.05)1.93 (0â‰¤xâ‰¤1) magnetostrictive alloys. Journal of Alloys and Compounds, 2009, 474, 9-13.	5.5	22
30	Synthesis, structure and exchange bias in Cr2O3/CrO2/Cr2O5 particles. Thin Solid Films, 2011, 519, 8423-8425.	1.8	22
31	Spin configuration and magnetostrictive properties of Laves compounds TbxDy0.7â˜’xPr0.3(Fe0.9B0.1)1.93(0.10â©½xâ©½0.28). Journal of Applied Physics, 2006, 100, 023904.	2.5	21
32	Structural, Magnetic, and Magnetostrictive Properties of<tex>$hbox Tb_1-xhbox Nd_x(hbox) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.1	17
33	Large Scale Synthesis of Nitrogen Doped TiO2 Nanoparticles by Reactive Plasma. Materials Letters, 2012, 68, 161-163.	2.6	17
34	Giant low-field magnetostriction of epoxy/TbxDy1â˜’x(Fe0.8Co0.2)2 composites (0.20â€‰â‰¤â€‰xâ€‰â‰¤â€‰0.40). Applied Physics Letters, 2013, 103, .	3.3	16
35	Structural, magnetic and magnetostrictive properties of Tb0.2Pr0.8(Fe0.4â˜’xCo0.6+x)1.93alloys. Journal Physics D: Applied Physics, 2006, 39, 243-247.	2.8	15
36	High saturation magnetization FeB(C) nanocapsules. Scripta Materialia, 2007, 57, 265-268.	5.2	15

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37	MnO2-modified lead-free NBT-based relaxor ferroelectric ceramics with improved energy storage performances. Ceramics International, 2021, 47, 22065-22072.	4.8	15
38	Enhanced energy-storage performance in BNT-based lead-free dielectric ceramics via introducing SrTi0.875Nb0.1O3. Journal of Materiomics, 2022, 8, 537-544.	5.7	15
39	High magnetostriction at low fields of epoxy/Tb1â^’xPrx(Fe0.4Co0.6)1.9 composites. Journal of Alloys and Compounds, 2007, 427, 271-274.	5.5	14
40	Magnetostriction of TbxDy0.9â^’xNd0.1(Fe0.8Co0.2)1.93 compounds and their composites (0.20â©½xâ©½0.60). Journal of Alloys and Compounds, 2014, 582, 583-587.	5.5	14
41	Polypyrrole random-coil induced permittivity from negative to positive in all-organic composite films. Journal of Materiomics, 2020, 6, 348-354.	5.7	14
42	Effective improved energy storage performances of Na0.5Bi0.5TiO3-based relaxor ferroelectrics ceramics by A/B-sites co-doping. Journal of Alloys and Compounds, 2021, 883, 160837.	5.5	14
43	Structural and magnetic properties of Laves compounds Dy1â^’xPrx(Fe0.35Co0.55B0.1)2 (0â©½xâ©½1). Journal of Applied Physics, 2006, 99, 08M701.	2.5	13
44	Structure and magnetostriction of Tb1â^’xNdx(Fe0.8Co0.2)1.93 alloys. Materials Chemistry and Physics, 2012, 134, 1102-1105.	4.0	13
45	Structural, magnetic and magnetostrictive properties of Co-doped Tb1-xHoxFe2 (0â€‰â‰â€‰xâ€‰â‰â€‰1.0) alloys. Journal of Applied Physics, 2011, 110, .	2.5	12
46	Anisotropy compensation and high low-field magnetostriction of epoxy/Tb1â^’xHox(Fe0.8Co0.2)2 composites (0.60â‰xâ‰1.0). Journal of Alloys and Compounds, 2011, 509, 8207-8210.	5.5	12
47	Large magnetostriction and direct experimental evidence for anisotropy compensation in Tb0.4â^’xNdxDy0.6(Fe0.8Co0.2)1.93 Laves compounds. Materials Letters, 2014, 137, 274-276.	2.6	12
48	Structure and Magnetic Properties of Cr2O3/CrO2Nanoparticles Prepared by Reactive Laser Ablation and Oxidation under High Pressure of Oxygen. Journal of Magnetics, 2015, 20, 211-214.	0.4	12
49	Enhanced energy-storage performance and thermal stability in Bi0.5Na0.5TiO3-based ceramics through defect engineering and composition design. Materials Today Chemistry, 2021, 22, 100583.	3.5	12
50	The effect of Ni-substitution on the magnetic properties of Ni2MnGe Heusler alloys. Journal of Alloys and Compounds, 2008, 462, 1-3.	5.5	11
51	Structure and magnetostriction of Tb0.4Nd0.6(Fe0.8Co0.2) x alloys. Applied Physics A: Materials Science and Processing, 2014, 115, 1121-1125.	2.3	10
52	Direct observation of magnetization reversal of hot-deformed Nd-Fe-B magnet. AIP Advances, 2018, 8, 015227.	1.3	10
53	Composition anisotropy compensation and magnetostriction of Co-doped Laves compounds Tb 0.2 Dy 0.8â^’x Pr x Fe 1.93 (0 â‰ x â‰ 0.40). Solid State Communications, 2018, 275, 63-67.	1.9	10
54	Magnetic and Magnetostrictive Properties of Tb$_x$Dy$_0.7 -x$Pr$_0.3$(Fe$_0.9$B$_0.1$)$_1.93$Compounds and Their Composites. IEEE Transactions on Magnetics, 2006, 42, 3114-3116.	2.1	9

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55	Enhanced magnetostrictive effect in epoxy-bonded TbxDy0.9â^'xNd0.1(Fe0.8Co0.2)1.93 pseudo 1â€"3 particulate composites. Journal of Applied Physics, 2015, 117, .	2.5	9
56	Magnetomechanical behavior of Tb0.2Dy0.8â^'xPrx(Fe0.8Co0.2)1.93/epoxy pseudo-1â€"3 particulate composites. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	9
57	Magnetostriction of Laves Tb0.1Ho0.9â^'Pr (Fe0.8Co0.2)1.93 alloys. Materials Research Bulletin, 2016, 77, 122-125.	5.2	8
58	Composition anisotropy compensation and magnetoelastic properties of Mn-doped TbxHo1â^'xFe2 Laves compounds (0.08Ââ‰ÂxÂâ‰Â0.16). Journal of Alloys and Compounds, 2017, 725, 946-951.	5.5	8
59	In-situ studies of magnetostriction in TbxHo1-xFe1.9Mn0.1 Laves compounds. Journal of Magnetism and Magnetic Materials, 2020, 501, 166422.	2.3	8
60	Magnetic, electronic transport and magneto-transport behaviors of CoxFe1â^'xMnP compounds. Journal of Alloys and Compounds, 2007, 429, 29-33.	5.5	7
61	Enhanced magnetoelastic effect in Laves (Tb,Dy)Fe2 alloys with the joint introduction of Pr and Nd. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	7
62	Structure and magnetic properties of mechanically alloyed Tb0.7Pr0.3(Fe0.9B0.1)1.93 and the magnetostriction of its epoxy composites. Journal of Applied Physics, 2005, 97, 10M307.	2.5	6
63	Magnetic and magnetostrictive properties of the Laves-phase compounds Tb_{1â^'<i>x</i>}Pr_{<i>x</i>}(Fe_{0.4}Co_{0.6})_{1.9}B_{0.1}(0) Tj ETQq	2.3	6
64	Structure and magnetic properties of mechanically alloyed Tb0.2Pr0.8(Fe0.4Co0.6)1.93 and magnetostriction of its epoxy composite. Rare Metals, 2009, 28, 9-13.	7.1	6
65	Structural, magnetic and magnetoelastic properties of Laves-phase Tb0.3Dy0.6Nd0.1(Fe1-xCox)1.93 compounds (0Ââ‰ÂxÂâ‰Â0.40). Intermetallics, 2015, 64, 1-5.	3.9	6
66	Magnetostriction and Magnetic Anisotropy of (Pr0.5Nd0.5)1â^'xCexFe1.93 Alloys. Journal of Superconductivity and Novel Magnetism, 2020, 33, 2031-2036.	1.8	6
67	Effects of B or C addition on phase transformation and magnetic properties of Pr17Co83â^'xTx (T=B or) Tj ETQq1 1 0.784314 rgBT /Ove	5.5	5
68	Structure and magnetostrictive properties of melt-spun Pr(Fe0.4Co0.6)1.93 alloys. Journal of Magnetism and Magnetic Materials, 2009, 321, 4052-4056.	2.3	5
69	Optimization on magnetic anisotropy and magnetostriction in Tb Ho0.8â^'Pr0.2(Fe0.8Co0.2)1.93 compounds. Journal of Magnetism and Magnetic Materials, 2015, 391, 60-64.	2.3	5
70	Magnetoelastic properties of Co-doped Laves compounds TbxHo0.9â^'xNd0.1Fe1.93 (0â‰xâ‰0.40). Solid State Communications, 2015, 211, 34-37.	1.9	5
71	Textured Orientation and Dynamic Magnetoelastic Properties of Epoxy-Based TbxDy0.7â€"xPr0.3(Fe0.9B0.1)1.93 Particulate Composites. Journal of Superconductivity and Novel Magnetism, 2020, 33, 3857-3864.	1.8	5
72	Structure and magnetostriction of high Pr/Ce-content (Tb0.2Pr0.8)1â€"Ce Fe1.93 Laves compounds. Journal of Rare Earths, 2022, 40, 670-675.	4.8	5

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73	Structure and magnetostriction of Tb0.4Nd0.6(Fe0.8Co0.2)1.90 alloy prepared by solid-state synthesis. Rare Metals, 2012, 31, 547-551.	7.1	4
74	Magnetic properties of single-phase MnBi grown from MnBi49 melt. Journal of Applied Physics, 2014, 115, 17A752.	2.5	4
75	Structure, phase transformation and magnetic properties of rapidly quenched nanocrystalline Ndâ€“Dyâ€“Feâ€“Coâ€“Nbâ€“B ribbons. Physica B: Condensed Matter, 2006, 382, 328-333.	2.7	3
76	Study on preparation technique and properties of magnetostrictive epoxy bonded Tb1â^’xPrx(Fe0.4Co0.6)1.93 composites. Journal of Rare Earths, 2008, 26, 563-566.	4.8	3
77	Synthesis and magnetic properties of melt-spun high Pr-content magnetostrictive alloys. Physica B: Condensed Matter, 2009, 404, 2444-2448.	2.7	3
78	STRUCTURE AND PHOTOCATALYTIC PROPERTIES OF N-DOPED TiO_{2-x} FILMS PREPARED BY N-ION IMPLANTATION. Surface Review and Letters, 2013, 20, 1350059.	1.1	3
79	Microstructure and magnetostrictive properties of epoxy-bonded Tb_{1-x}Nd_x(Fe_{0.8}Co_{0.2})<su	2.0	3
80	The magnetoelastic properties of laves-phase TbxHo0.9-xNd0.1Fe1.8Mn0.1 compounds: An in-situ Lorentz microscope study. Journal of Alloys and Compounds, 2020, 835, 155324.	5.5	3
81	Structural, magnetic and magnetostrictive properties of Laves-phase compounds TbxHo0.9â^’xNd0.1Fe1.93 (0Ââ‰ÂxÂâ‰Â0.40). Materials Chemistry and Physics, 2014, 148, 82-86.	4.0	2
82	Magnetoelastic properties of epoxy resin based Tb_xHo_{0.9â^’x}Nd_{0.1}(Fe_{0.8}Co_{0.2})_{1.93} particulate composites. Materials Science-Poland, 2017, 35, 81-86.	1.0	2
83	Solid-state Synthesis and High Magnetostriction Performances of Heavy Rare Earthâ€“Free Sm0.88Nd0.12Fex Particulate Composites. Journal of Superconductivity and Novel Magnetism, 2021, 34, 1231-1237.	1.8	2
84	Structure and Magnetostriction of Tb_{0.7}Pr_{0.3}Fe_X Prepared by Solid-State Synthesis. Advanced Materials Research, 2012, 476-478, 1459-1462.	0.3	1
85	Structural, Magnetic, and Magnetoelastic Properties of High Nd-Content Laves Alloys Prepared by Solid-State Synthesis. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3609-3613.	1.8	1
86	Enhanced magnetoelastic performance in Pr/Mn-doped Laves phase (Tb,Ho)Fe₂ compounds. Materials Science-Poland, 2020, 38, 707-714.	1.0	1
87	Preparation and Magnetostriction of Epoxy-Bonded Pr(Fe_{0.4}Co_{0.6})_{1.93} Composites. Advanced Materials Research, 2012, 476-478, 1370-1373.	0.3	0