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	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
2	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
3	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
4	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
5	Two-Dimensional Fillers Induced Superior Electrostatic Energy Storage Performance in Trilayered Architecture Nanocomposites. ACS Applied Materials & Interfaces, 2022, 14, 8448-8457.	8.0	30
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	Optimization the energy density and efficiency of BaTiO3-based ceramics for capacitor applications. Chemical Engineering Journal, 2021, 409, 127375.	12.7	83
8	Enhancement thermal stability of polyetherimide-based nanocomposites for applications in energy storage. Composites Science and Technology, 2021, 201, 108501.	7.8	58
9	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
10	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
11	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
12	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
13	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
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	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
16	MnO2-modified lead-free NBT-based relaxor ferroelectric ceramics with improved energy storage performances. Ceramics International, 2021, 47, 22065-22072.	4.8	15
17	Ultrahigh Energy Storage Performance of Layered Polymer Nanocomposites over a Broad Temperature Range. Advanced Materials, 2021, 33, e2103338.	21.0	96
18	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

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19	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
20	Polypyrrole random-coil induced permittivity from negative to positive in all-organic composite films. Journal of Materiomics, 2020, 6, 348-354.	5.7	14
21	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
22	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
23	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
24	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
25	Significantly improved recoverable energy density and ultrafast discharge rate of Na0.5Bi0.5TiO3-based ceramics. Ceramics International, 2020, 46, 15364-15371.	4.8	56
26	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
27	Fatigueâ€Free Aurivillius Phase Ferroelectric Thin Films with Ultrahigh Energy Storage Performance. Advanced Energy Materials, 2020, 10, 2001536.	19.5	114
28	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
29	In-situ studies of magnetostriction in TbxHo1-xFe1.9Mn0.1 Laves compounds. Journal of Magnetism and Magnetic Materials, 2020, 501, 166422.	2.3	8
30	Enhanced magnetoelastic performance in Pr/Mn-doped Laves phase (Tb,Ho)Fe₂ compounds. Materials Science-Poland, 2020, 38, 707-714.	1.0	1
31	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
32	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
33	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
34	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
35	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
36	Direct observation of magnetization reversal of hot-deformed Nd-Fe-B magnet. AIP Advances, 2018, 8, 015227.	1.3	10

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37	Composition anisotropy compensation and magnetostriction of Co-doped Laves compounds Tb 0.2 Dy 0.8âˆ’x Pr x Fe 1.93 (0 â‰ x â‰ 0.40). Solid State Communications, 2018, 275, 63-67.	1.9	10
38	Magnetomechanical behavior of Tb0.2Dy0.8âˆ’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
39	Largely enhanced energy storage capability of a polymer nanocomposite utilizing a core-satellite strategy. Nanoscale, 2018, 10, 16621-16629.	5.6	70
40	Composition anisotropy compensation and magnetoelastic properties of Mn-doped TbxHo1âˆ’xFe2 Laves compounds (0.08Ââ‰ÂxÂâ‰Â0.16). Journal of Alloys and Compounds, 2017, 725, 946-951.	5.5	8
41	Magnetoelastic properties of epoxy resin based Tb_xHo_{0.9âˆ’x}Nd_{0.1}(Fe_{0.8}Co_{0.2})_{1.93} particulate composites. Materials Science-Poland, 2017, 35, 81-86.	1.0	2
42	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
43	Magnetostriction of Laves Tb0.1Ho0.9âˆ’Pr (Fe0.8Co0.2)1.93 alloys. Materials Research Bulletin, 2016, 77, 122-125.	5.2	8
44	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
45	Optimization on magnetic anisotropy and magnetostriction in Tb Ho0.8âˆ’Pr0.2(Fe0.8Co0.2)1.93 compounds. Journal of Magnetism and Magnetic Materials, 2015, 391, 60-64.	2.3	5
46	Magnetoelastic properties of Co-doped Laves compounds TbxHo0.9âˆ’xNd0.1Fe1.93 (0â‰xâ‰0.40). Solid State Communications, 2015, 211, 34-37.	1.9	5
47	Enhanced magnetostrictive effect in epoxy-bonded TbxDy0.9âˆ’xNd0.1(Fe0.8Co0.2)1.93 pseudo 1â€“3 particulate composites. Journal of Applied Physics, 2015, 117, .	2.5	9
48	Grain size dependence of coercivity of hot-deformed Ndâ€“Feâ€“B anisotropic magnets. Acta Materialia, 2015, 82, 336-343.	7.9	173
49	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
50	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
51	Magnetostriction of TbxDy0.9âˆ’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
52	Magnetic properties of single-phase MnBi grown from MnBi49 melt. Journal of Applied Physics, 2014, 115, 17A752.	2.5	4
53	Large magnetostriction and direct experimental evidence for anisotropy compensation in Tb0.4âˆ’xNdxDy0.6(Fe0.8Co0.2)1.93 Laves compounds. Materials Letters, 2014, 137, 274-276.	2.6	12
54	Structural, magnetic and magnetostrictive properties of Laves-phase compounds TbxHo0.9âˆ’xNd0.1Fe1.93 (0Ââ‰ÂxÂâ‰Â0.40). Materials Chemistry and Physics, 2014, 148, 82-86.	4.0	2

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55	Microstructure and magnetostrictive properties of epoxy-bonded Tb_{1-x}Nd_x(Fe_{0.8}Co_{0.2})<su	2.0	3
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	Structure and magnetostriction of Tb1â^’xNdx(Fe0.8Co0.2)1.93 alloys. Materials Chemistry and Physics, 2012, 134, 1102-1105.	4.0	13
64	Large Scale Synthesis of Nitrogen Doped TiO2 Nanoparticles by Reactive Plasma. Materials Letters, 2012, 68, 161-163.	2.6	17
65	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
66	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
67	Synthesis, structure and exchange bias in Cr2O3/CrO2/Cr2O5 particles. Thin Solid Films, 2011, 519, 8423-8425.	1.8	22
68	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
69	Synthesis and magnetic properties of melt-spun high Pr-content magnetostrictive alloys. Physica B: Condensed Matter, 2009, 404, 2444-2448.	2.7	3
70	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
71	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
72	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

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73	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
74	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
75	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
76	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
77	Magnetic, electronic transport and magneto-transport behaviors of CoxFe1â^’xMnP compounds. Journal of Alloys and Compounds, 2007, 429, 29-33.	5.5	7
78	High saturation magnetization FeB(C) nanocapsules. Scripta Materialia, 2007, 57, 265-268.	5.2	15
79	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
80	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
81	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
82	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
83	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
84	Direct experimental evidence for anisotropy compensation between Dy3+ and Pr3+ ions. Applied Physics Letters, 2006, 89, 122506.	3.3	47
85	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
86	High Pr-content (Tb0.2Pr0.8)(Fe0.4Co0.6)1.93â^’xBx magnetostrictive alloys. Applied Physics Letters, 2005, 87, 082506.	3.3	24
87	Structural, Magnetic, and Magnetostrictive Properties of<tex>$hbox Tb_1-xhbox Nd_x(hbox) Tj ETQq1 1 0.784314 rgBT /Overlock	2.1	17