

Jingshun Liu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Enhancing GMI properties of melt-extracted Co-based amorphous wires by twin-zone Joule annealing. <i>Journal of Alloys and Compounds</i> , 2012, 541, 215-221.	5.5	63
2	Effect of hot rolling and heat treatment on microstructure and tensile properties of high strength beta titanium alloy sheets. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 631, 67-74.	5.6	62
3	Combined current-modulation annealing induced enhancement of giant magnetoimpedance effect of Co-rich amorphous microwires. <i>Journal of Applied Physics</i> , 2014, 115, 17A326.	2.5	54
4	Evolution of microstructure and mechanical properties of as-cast Al-50Si alloy due to heat treatment and P modifier content. <i>Materials & Design</i> , 2015, 74, 150-156.	5.1	52
5	Enhanced magnetocaloric and mechanical properties of melt-extracted Gd ₅₅ Al ₂₅ Co ₂₀ micro-fibers. <i>Journal of Alloys and Compounds</i> , 2014, 603, 167-171.	5.5	41
6	Hot deformation behavior of spray-deposited Al-Zn-Mg-Cu alloy. <i>Materials & Design</i> , 2014, 53, 79-85.	5.1	38
7	Magnetocaloric effect (MCE) in melt-extracted Ni-Mn-Ga-Fe Heusler microwires. <i>Journal of Alloys and Compounds</i> , 2014, 616, 184-188.	5.5	35
8	The mechanical and thermophysical properties of La ₂ (Zr _{1-x} Ce _x) ₂ O ₇ ceramics. <i>Journal of Alloys and Compounds</i> , 2016, 660, 85-92.	5.5	34
9	Optimization of GMI properties by AC Joule annealing in melt-extracted Co-rich amorphous wires for sensor applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1577-1582.	1.8	21
10	Influence of microstructure evolution on GMI properties and magnetic domains of melt-extracted Zr-doped amorphous wires with accumulated DC annealing. <i>Journal of Alloys and Compounds</i> , 2015, 644, 180-185.	5.5	21
11	Optimization of mechanical and giant magnetoimpedance (GMI) properties of melt-extracted Co-rich amorphous microwires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1668-1673.	1.8	20
12	A soft ferromagnetic multiwire-based inductance coil sensor for sensing applications. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	20
13	Table-like magnetocaloric behavior and enhanced cooling efficiency of a Bi-constituent Gd alloy wire-based composite. <i>Journal of Alloys and Compounds</i> , 2018, 764, 789-793.	5.5	20
14	Two-peak feature of the permittivity spectra of ferromagnetic microwire/rubber composites. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	16
15	Martensite transformation and superelasticity in polycrystalline Ni-Mn-Ga-Fe microwires prepared by melt-extraction technique. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 636, 157-163.	5.6	16
16	Tailoring giant magnetoimpedance effect of Co-based microwires for optimum efficiency by self-designed square-wave pulse current annealing. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 385, 145-150.	2.3	16
17	Multiplex magnetic field annealing evoked remarkable GMI improvement in co-based amorphous wires. <i>Journal of Alloys and Compounds</i> , 2016, 683, 7-14.	5.5	16
18	Enhanced magnetic entropy change and refrigeration capacity of La(Fe,Ni) _{11.5} Si _{1.5} alloys through vacuum annealing treatment. <i>Journal of Alloys and Compounds</i> , 2019, 800, 363-371.	5.5	15

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19	Magnetocaloric Effect in Uncoated Gd ₅₅ Al ₂₀ Co ₂₅ Amorphous Wires. <i>Materials Research</i> , 2015, 18, 49-54.	1.3	13
20	Hot Deformation Behavior of Ti-3.5Al-5Mo-6V-3Cr-2Sn-0.5Fe Alloy in $\hat{\epsilon} \pm \hat{\epsilon}^2$ Field. <i>Metals</i> , 2015, 5, 216-227.	2.3	13
21	Low-temperature superplastic behavior of beta titanium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 650, 414-421.	5.6	13
22	Improving the refrigeration capacity of Gd-rich wires through Fe-doping. <i>Journal of Alloys and Compounds</i> , 2017, 711, 71-76.	5.5	13
23	Magnetocaloric effect and critical behavior in melt-extracted Gd ₆₀ Co ₁₅ Al ₂₅ microwires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 1905-1910.	1.8	12
24	Effect of Double Oxide Film Defects on Mechanical Properties of As-Cast C95800 Alloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2017, 30, 541-549.	2.9	12
25	Enhanced Tensile Properties and Fracture Reliability of Cu-Based Amorphous Wires via Pr-Doping. <i>Advanced Engineering Materials</i> , 2018, 20, 1700935.	3.5	12
26	New DyHoCo medium entropy amorphous microwires of large magnetic entropy change. <i>Journal of Alloys and Compounds</i> , 2020, 837, 155431.	5.5	12
27	Comparative study of tensile properties and magnetic properties for Nb-doped Fe-based wires. <i>Journal of Materials Research and Technology</i> , 2020, 9, 12907-12916.	5.8	11
28	Microwave absorption properties of FeSiBNbCu glass-covered amorphous wires. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 2574-2580.	4.2	10
29	Composite electroplating to enhance the GMI output stability of melt-extracted wires. <i>Materials and Design</i> , 2016, 96, 251-256.	7.0	10
30	Twin-Detector Sensor of Co-Rich Amorphous Microwires to Overcome GMI Fluctuation Induced by Ambient Temperature. <i>IEEE Transactions on Magnetics</i> , 2012, 48, 2449-2454.	2.1	9
31	Magnetostructural coupling induced magnetocaloric effects in Ni-Mn-Ga-Fe microwires. <i>Intermetallics</i> , 2019, 112, 106538.	3.9	9
32	The disparate impact of two types of GMI effect definition on DC Joule-heating annealed Co-based microwires. <i>RSC Advances</i> , 2015, 5, 103609-103616.	3.6	8
33	The Magnetocaloric Composite Designed by Multi-Gd-Al-Co Microwires with Close Performances. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900090.	1.8	8
34	Shape memory effects of Ni _{49.7} Mn _{25.0} Ga _{19.8} Fe _{5.5} microwires prepared by rapid solidification. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 2532-2536.	1.8	7
35	Martensite transformation and magnetic properties of Ni ₅₀ Mn ₂₅ Ga ₂₅ ferromagnetic microwires for application in microdevices. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 855-861.	1.8	7
36	Enhancement of Magnetic and Tensile Mechanical Performances in Fe-Based Metallic Microwires Induced by Trace Ni-Doping. <i>Materials</i> , 2021, 14, 3589.	2.9	7

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37	Tensile Properties and Fracture Reliability of Melt-extracted Gd-rich Amorphous Wires. <i>Materials Research</i> , 2015, 18, 66-71.	1.3	5
38	Influence of Fe-doping amounts on magnetocaloric properties of Gd-based amorphous microfibers. <i>Journal of Alloys and Compounds</i> , 2020, 845, 156190.	5.5	5
39	Comparative study on GMI properties of Co-based microwires improved by alcohol and liquid nitrogen medium-current annealing. <i>Materials Research Express</i> , 2021, 8, 065202.	1.6	5
40	Correlation of microstructural evolution and tensile mechanical behavior of Gd-Al-Co-Fe series metallic glass fibers. <i>Journal of Materials Research and Technology</i> , 2021, 14, 1390-1400.	5.8	5
41	Characterization of full tensor properties of single-domain tetragonal $0.63\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-0.37\text{PbTiO}_3$ single crystal using only one sample. <i>Ceramics International</i> , 2018, 44, 8358-8362.	4.8	4
42	Microstructure and Flight Behaviors of Droplet and its Solidification in Twin-Wire Arc Sprayed Ni-Al Composite Coatings. <i>Materials Research</i> , 2018, 21, .	1.3	4
43	Oil-medium current annealing enhanced giant magneto-impedance properties of Co-based metallic microfibers for magnetic sensor applications. <i>Materials Today Communications</i> , 2019, 20, 100605.	1.9	4
44	Comparative Study of Magnetic Properties and Microstructure for As-cast and Square-wave Pulse Current Joule Annealed Wires. <i>Materials Research</i> , 2015, 18, 29-33.	1.3	3
45	Torsion Dependence of Domain Transition and MI Effect of Melt-Extracted $\text{Co}_{68.15}\text{Fe}_{4.35}\text{Si}_{12.25}\text{B}_{13.25}\text{Nb}_1\text{Cu}_1$ Microwires. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-6.		
46	Isothermal kinetics approach to investigate the structure relaxation of amorphous alloys. <i>Journal of Alloys and Compounds</i> , 2015, 645, 525-528.	5.5	3
47	Tunable Magnetocaloric Performance of Cluster Microfibers Induced by Magnetization Direction. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700721.	1.8	3
48	Contrastive Research on Electrical Contact Performance for Contact Materials of Cu-SnO ₂ and Cu-ZnO ₂ Alloys. <i>Materials Research</i> , 2019, 22, .	1.3	3
49	Superelasticity in Polycrystalline Ni-Mn-Ga-Fe Microwires Fabricated by Melt-extraction. <i>Materials Research</i> , 2015, 18, 61-65.	1.3	2
50	Dielectric properties of composites containing melt-extracted co-based microwires. <i>Composites Communications</i> , 2016, 1, 20-24.	6.3	2
51	Magnetocaloric effect and microstructure of amorphous/nanocrystalline HoErFe melt-extracted microwires. <i>Intermetallics</i> , 2020, 127, 106974.	3.9	2
52	Tunable Linear Dependence of Giant Magnetoimpedance Response of Microwires Annealed under Fluid Oil for Sensor Applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2100154.	1.8	2
53	Domain Transformation and MI of Melt-extracted $\text{Co}_{68.15}\text{Fe}_{4.35}\text{Si}_{12.25}\text{B}_{13.25}\text{Nb}_1\text{Cu}_1$ Microwires by Cryogenic Joule Annealing. <i>Materials Research</i> , 2015, 18, 72-77.	1.3	2
54	Constructing High-Performance Carbon Nanofiber Anodes by the Hierarchical Porous Structure Regulation and Silicon/Nitrogen Co-Doping. <i>Energies</i> , 2022, 15, 4839.	3.1	2

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55	Hierarchical and Heterogeneous Porosity Construction and Nitrogen Doping Enabling Flexible Carbon Nanofiber Anodes with High Performance for Lithium-Ion Batteries. <i>Materials</i> , 2022, 15, 4387.	2.9	1
56	Magnetocaloric effect and critical behavior in melt-extracted Gd ₆₀ Co ₁₅ Al ₂₅ microwires (Phys. Status Solidi A 9 th 2015). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, n/a-n/a.	1.8	0