

# Ji-Heng Li

## List of Publications by Year in descending order

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papers

424  
citations

759233

12  
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all docs

36  
docs citations

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times ranked

186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sharp Goss orientation and large magnetostriction in the rolled columnar-grained Fe-Ga alloys. Journal of Magnetism and Magnetic Materials, 2015, 374, 459-462.	2.3	39
2	Ductility enhancement and magnetostriction of polycrystalline Fe-Ga based alloys. Journal of Alloys and Compounds, 2009, 484, 203-206.	5.5	37
3	Magnetostriction properties of oriented polycrystalline CoFe <sub>2</sub> O <sub>4</sub> . Journal of Magnetism and Magnetic Materials, 2016, 401, 662-666.	2.3	29
4	Effect of Al substitution for Ga on the mechanical properties of directional solidified Fe-Ga alloys. Journal of Magnetism and Magnetic Materials, 2017, 423, 245-249.	2.3	28
5	Texture evolution and magnetostriction in rolled (Fe <sub>81</sub> Ga <sub>19</sub> ) <sub>99</sub> Nb <sub>1</sub> alloy. Journal of Alloys and Compounds, 2009, 476, 529-533.	5.5	27
6	Secondary recrystallization behavior in the rolled columnar-grained Fe-Ga alloys. Journal of Magnetism and Magnetic Materials, 2015, 391, 145-150.	2.3	23
7	The microstructure of Fe-Ga powders and magnetostriction of bonded composites. Scripta Materialia, 2009, 61, 557-560.	5.2	22
8	Influence of annealing process on texture evolution and magnetostriction in rolled Fe-Ga based alloys. Journal of Magnetism and Magnetic Materials, 2014, 362, 154-158.	2.3	21
9	Magnetostriction of oriented Fe-Ga rods with large diameter. Rare Metals, 2015, 34, 472-476.	7.1	18
10	Influence of intermediate annealing on abnormal Goss grain growth in the rolled columnar-grained Fe-Ga-Al alloys. Journal of Magnetism and Magnetic Materials, 2017, 435, 194-200.	2.3	17
11	Variable stiffness Fe <sub>82</sub> Ga <sub>13.5</sub> Al <sub>4.5</sub> spring based on magnetoelastic effect. Applied Physics Letters, 2017, 110, 142405.	3.3	12
12	Improvement of bending strength via introduced (Dy,Tb)Cu phase at grain boundary on giant magnetostrictive Tb-Dy-Fe alloy by diffusing Dy-Cu alloys. Journal of Alloys and Compounds, 2020, 826, 153959.	5.5	12
13	Magnetostriction and structure characteristics of Co <sub>70</sub> Fe <sub>30</sub> alloy prepared by directional solidification. Journal of Magnetism and Magnetic Materials, 2018, 451, 587-593.	2.3	12
14	High magnetostriction with low saturation field in highly textured CoFe <sub>2</sub> O <sub>4</sub> by magnetic field alignment. Journal of Magnetism and Magnetic Materials, 2018, 462, 53-57.	2.3	11
15	Effects of WC on the Microstructure, Wear and Corrosion Resistance of Laser-Deposited CoCrFeNi High Entropy Alloy Coatings. Coatings, 2022, 12, 985.	2.6	11
16	High orientation Nd-Fe-B sintered magnets prepared by wet pressing method. Journal of Magnetism and Magnetic Materials, 2020, 495, 165826.	2.3	10
17	Selective Abnormal Growth Behavior of Goss Grains in Magnetostrictive Fe-Ga Alloy Sheets. Materials Transactions, 2016, 57, 2083-2088.	1.2	9
18	Inhibition force of precipitates for promoting abnormal grain growth in magnetostrictive Fe <sub>83</sub> Ga <sub>17</sub> (B,NbC) alloy sheets. Rare Metals, 2017, 36, 886-893.	7.1	9

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19	Microstructure evolution, magnetostrictive and mechanical properties of (Fe <sub>83</sub> Ga <sub>17</sub> ) <sub>99.9</sub> (NbC) <sub>0.1</sub> alloy ultra-thin sheets. <i>Journal of Materials Science</i> , 2020, 55, 2226-2238.	3.7	9
20	Effects of rolling conditions on recrystallization microstructure and texture in magnetostrictive Fe-Ga-Al rolled sheets. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 457, 30-37.	2.3	8
21	Magnetostriction of Fe-Ga coatings and their application in ultrasonic guided wave sensing. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	8
22	Secondary recrystallization of Goss texture in magnetostrictive Fe-Ga-based sheets. <i>Rare Metals</i> , 2020, 39, 1288-1294.	7.1	7
23	Strong NbC particle pinning for promoting abnormal growth of Goss grain in Fe <sub>82</sub> Ga <sub>4.5</sub> Al <sub>13.5</sub> rolled sheets. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 444, 364-370.	2.3	6
24	Recent Advances in Magnetostrictive Tb-Dy-Fe Alloys. <i>Metals</i> , 2022, 12, 341.	2.3	6
25	Influence of Al on the magnetostriction of Fe-Ga polycrystal alloys under compressive stress. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2014, 21, 52-57.	4.9	4
26	Electromagnetic induced voltage signal to magnetic variation through torquing textured Fe <sub>81</sub> Ga <sub>19</sub> alloy. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	4
27	Temperature and magnetic field dependencies of the Young's modulus in magnetostrictive Fe-Ga alloys. <i>Journal of Applied Physics</i> , 2018, 123, 075102.	2.5	4
28	Evolution of the phase structure, magnetic domain structure, and magnetic properties of annealed Fe <sub>72</sub> Ga <sub>28</sub> thin films. <i>Journal of Alloys and Compounds</i> , 2022, 893, 162306.	5.5	4
29	Microstructure and magnetostrictive performance of NbC-doped <math>\langle 100 \rangle</math> oriented Fe-Ga alloys. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2015, 22, 52-58.	4.9	3
30	Large Wiedemann effect in (Co <sub>70</sub> Fe <sub>30</sub> ) <sub>99.8</sub> (NbC) <sub>0.2</sub> wires with strong $\sim 100\%$ circumferential texture. <i>Scripta Materialia</i> , 2017, 141, 80-84.	5.2	3
31	Improvement of mechanical properties of magnetostrictive Tb-Dy-Fe alloys via preparing sintered material with low-melting Dy-Cu alloy binder. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162572.	5.5	3
32	The microstructural evolution and ultrasonic guided wave transduction performance of annealed magnetostrictive (Fe <sub>83</sub> Ga <sub>17</sub> ) <sub>99.9</sub> (NbC) <sub>0.1</sub> thin sheets. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 548, 168938.	2.3	3
33	Texture-based magnetostriction calculation of oriented polycrystalline cobalt ferrites. <i>Rare Metals</i> , 2018, 37, 421-426.	7.1	2
34	Magnetomechanical coupling enhancement via high-density nanoprecipitation in Co <sub>70</sub> Fe <sub>30</sub> alloy. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2658-2661.	2.1	2
35	Enhancement of ductility and improvement of abnormal Goss grain growth of magnetostrictive Fe-Ga rolled alloys. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2018, 25, 444-452.	4.9	1
36	Single Goss grain growth by isothermal annealing in rolled Fe-Al-Ga-NbC sheets. <i>Rare Metals</i> , 2018, , 1.	7.1	0