List of Publications by Year in descending order

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Нлієннім Інг

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Mechanism of low thermal conductivity for Fe76Si13B8Nb2Cu1 amorphous and nanocrystalline alloys at room temperature. Journal of Non-Crystalline Solids, 2022, 576, 121264.                 | 3.1  | 6         |
| 2  | Atomic-level understanding of weakening crystallization in additive manufactured ternary Fe-based metallic glasses with Ni addition. Journal of Non-Crystalline Solids, 2022, 582, 121435. | 3.1  | 6         |
| 3  | Structural homology of the strength for metallic glasses. Journal of Materials Science and Technology, 2021, 81, 123-130.  | 10.7 | 8         |
| 4  | Tunable and attractive magnetic properties of FeBPSiCu alloys. Journal of Alloys and Compounds, 2021, 859, 157863.   | 5.5  | 4         |
| 5  | Fe-based bulk metallic glass with unprecedented plasticity at room temperature. Intermetallics, 2021, 139, 107377.   | 3.9  | 5         |
| 6  | Estimation of the glass-forming ability of metallic glasses with monolayer two-dimensional model.<br>Computational Materials Science, 2020, 172, 109353.                                   | 3.0  | 0         |
| 7  | High Bs of FePBCCu nanocrystalline alloys with excellent soft-magnetic properties. Journal of Non-Crystalline Solids, 2020, 530, 119800.   | 3.1  | 35        |
| 8  | Low-Frequency Dynamics and Its Correlation of Nanoscale Structures in Amorphous Solids. Journal of Low Temperature Physics, 2020, 198, 158-166.  | 1.4  | 0         |
| 9  | The effect of slit direction and distribution on mechanical properties of a monatomic Tantalum metallic glass. Journal of Non-Crystalline Solids, 2020, 529, 119770.                       | 3.1  | 4         |
| 10 | Crystallization in additive manufacturing of metallic glasses: A review. Additive Manufacturing, 2020,<br>36, 101568.  | 3.0  | 21        |
| 11 | Low-Temperature Magnetic Properties and Magnetocaloric Effect of Fe–Zr–Cu Amorphous Alloys.<br>Journal of Low Temperature Physics, 2020, 200, 51-61.                                       | 1.4  | 10        |
| 12 | Atomic-level understanding of crystallization in the selective laser melting of Fe50Ni50 amorphous alloy. Additive Manufacturing, 2020, 34, 101369.  | 3.0  | 10        |
| 13 | Thermal-pressure treatment for tuning the atomic structure of metallic glass Cu-Zr. Journal of Non-Crystalline Solids, 2020, 535, 119963.  | 3.1  | 15        |
| 14 | Plastic Deformation Mechanism of Ductile Fe50Ni30P13C7 Metallic Glass. Metals and Materials<br>International, 2019, 25, 487-498.   | 3.4  | 6         |
| 15 | Brittle-to-ductile transition in monatomic Tantalum nanoporous metallic glass. Journal of<br>Non-Crystalline Solids, 2019, 506, 6-13.  | 3.1  | 21        |
| 16 | Chiral metallic glass nanolattices with combined lower density and improved auxeticity. Physical<br>Chemistry Chemical Physics, 2019, 21, 20588-20594.                                     | 2.8  | 7         |
| 17 | Atomic-level crystallization in selective laser melting fabricated Zr-based metallic glasses. Physical Chemistry Chemical Physics, 2019, 21, 12406-12413.                                  | 2.8  | 20        |
| 18 | A novel thermal-tuning Fe-based amorphous alloy for automatically recycled methylene blue degradation. Materials and Design, 2019, 161, 136-146.   | 7.0  | 51        |

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|----|---|-----|-----------|
| 19 | Oxygen-driven impurities scavenging before solidification of Fe-based metallic glasses. Journal of Alloys and Compounds, 2019, 773, 401-412.  | 5.5 | 13        |
| 20 | Atomic-scale structural evolution in selective laser melting of Cu50Zr50 metallic glass.<br>Computational Materials Science, 2018, 150, 62-69.  | 3.0 | 34        |
| 21 | Ductile Fe-based bulk metallic glasses at room temperature. Materials Science and Technology, 2018, 34, 751-756.  | 1.6 | 10        |
| 22 | Thermal-pressure effects on energy state of metallic glass Cu50Zr50. Computational Materials<br>Science, 2018, 155, 493-498.  | 3.0 | 22        |
| 23 | Fluxing induced boron alloying in Fe-based bulk metallic glasses. Materials and Design, 2017, 129, 63-68.   | 7.0 | 20        |
| 24 | Effects of Ni substitution for Fe on magnetic properties of Fe80â^'Ni P13C7 (x= 0–30) glassy ribbons.<br>Journal of Non-Crystalline Solids, 2017, 463, 68-71.   | 3.1 | 21        |
| 25 | Effects of pressure on structure and mechanical property in monatomic metallic glass. Journal of Non-Crystalline Solids, 2017, 464, 1-4.  | 3.1 | 18        |
| 26 | Non-repeatability of large plasticity for Fe-based bulk metallic glasses. Journal of Alloys and<br>Compounds, 2016, 676, 209-214.   | 5.5 | 20        |
| 27 | Extraordinary magnetocaloric effect of Fe-based bulk glassy rods by combining fluxing treatment and<br>J-quenching technique. Journal of Alloys and Compounds, 2016, 684, 29-33.  | 5.5 | 31        |
| 28 | Effect of Co addition on the magnetic properties and microstructure of FeNbBCu nanocrystalline alloys. Journal of Magnetism and Magnetic Materials, 2016, 419, 198-201.   | 2.3 | 33        |
| 29 | Electronic specific heats for amorphous and crystallized alloys. SpringerPlus, 2016, 5, 699.  | 1.2 | 0         |
| 30 | Effects of Cu substitution for Nb on magnetic properties of Fe-based bulk metallic glasses. Journal of<br>Non-Crystalline Solids, 2016, 443, 108-111.   | 3.1 | 22        |
| 31 | Electronic structure of Cu100â~'xZrx (x=40,50,60) metallic glasses. Materials and Design, 2015, 82,<br>126-129.   | 7.0 | 8         |
| 32 | Atomic-scale structural heterogeneity and elastic modulus for metallic glasses. Journal of Non-Crystalline Solids, 2015, 426, 137-140.  | 3.1 | 5         |
| 33 | Effects of Crystallization on Boson Peak of Zr \$\$_{52.5}\$\$ 52.5 Cu \$\$_{17.9}\$\$ 17.9 Ni \$\$_{14.6}\$\$ 14.6<br>Al \$\$_{10}\$\$ 10 Ti \$\$_{5 }\$\$ 5 Bulk Metallic Glass. Journal of Low Temperature Physics, 2015, 178, 11-17.        | 1.4 | 4         |
| 34 | Effects of Annealing on the Specific Heat and Boson Peak for Fe \$\$_{50}\$\$ 50 Co \$\$_{50}\$\$ 50 B<br>\$\$_{20}\$\$ 20 Si \$\$_{4}\$\$ 4 Nb \$\$_{4 }\$\$ 4 Bulk Metallic Glass. Journal of Low Temperature Physics,<br>2015, 179, 343-349. | 1.4 | 5         |
| 35 | Enhanced glass forming ability of Fe-based amorphous alloys with minor Cu addition. Journal of Non-Crystalline Solids, 2015, 419, 65-68.  | 3.1 | 38        |
| 36 | Effects of Cu substitution for Fe on the glass-forming ability and soft magnetic properties for Fe-based bulk metallic glasses. Journal of Magnetism and Magnetic Materials, 2014, 358-359, 23-26.  | 2.3 | 45        |

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|----|--|------|-----------|
| 37 | Correlation between fractal dimension and strength of brittle bulk metallic glasses. Materials<br>Science and Technology, 2014, 30, 447-450.                                     | 1.6  | 2         |
| 38 | Mechanical genesis of Henan (China) Yima thrust nappe structure. Journal of Central South<br>University, 2014, 21, 2857-2865.  | 3.0  | 9         |
| 39 | Correlation of atomic packing with the boson peak in amorphous alloys. Journal of Applied Physics, 2014, 116, .  | 2.5  | 15        |
| 40 | Origin of abnormal glass transition behavior in metallic glasses. Intermetallics, 2014, 49, 52-56.   | 3.9  | 14        |
| 41 | Ductile Co–Nb–B bulk metallic glass with ultrahigh strength. Journal of Non-Crystalline Solids, 2014,<br>386, 121-123.   | 3.1  | 27        |
| 42 | Soft magnetic properties and microstructure of Fe84â^'Nb2B14Cu nanocrystalline alloys. Materials &<br>Design, 2014, 56, 227-231.   | 5.1  | 47        |
| 43 | Mechanical properties and structural features of novel Fe-based bulk metallic glasses with unprecedented plasticity. Scientific Reports, 2014, 4, 6233.                          | 3.3  | 118       |
| 44 | Investigation on the magnetic and magnetocaloric properties of PrNi2. Wuli Xuebao/Acta Physica<br>Sinica, 2014, 63, 227501.  | 0.5  | 1         |
| 45 | Nearly free electron model to glass-forming ability of multi-component metallic glasses. Journal of<br>Non-Crystalline Solids, 2013, 361, 82-85.                                 | 3.1  | 17        |
| 46 | Effect of a preload force on anchor system frequency. International Journal of Mining Science and Technology, 2013, 23, 135-138.   | 10.3 | 5         |
| 47 | Magnetic properties of (Fe1â^'xNix)72B20Si4Nb4 (x=0.0–0.5) bulk metallic glasses. Journal of Magnetism<br>and Magnetic Materials, 2013, 335, 172-176.                            | 2.3  | 38        |
| 48 | Determine optimal annealing temperature of Fe based nanocrystalline alloys from their melting point.<br>Materials Science and Technology, 2012, 28, 1465-1469.                   | 1.6  | 4         |
| 49 | Microseismic low-frequency precursor effect of bursting failure of coal and rock. Journal of Applied Geophysics, 2012, 79, 55-63.  | 2.1  | 67        |
| 50 | Enhancement of plasticity in Co–Nb–B ternary bulk metallic glasses with ultrahigh strength. Journal of Non-Crystalline Solids, 2012, 358, 3060-3064.                             | 3.1  | 25        |
| 51 | Case study on microseismic effect of coal and gas outburst process. International Journal of Rock<br>Mechanics and Minings Sciences, 2012, 53, 101-110.                          | 5.8  | 75        |
| 52 | Variations of the permeability with annealing conditions for Fe-based nanocrystalline alloys.<br>Materials & Design, 2012, 36, 428-431.  | 5.1  | 4         |
| 53 | Effects of high Fe substitution for Mn on phase transition and magnetic properties of YFexMn12â~'x compounds. Journal of Magnetism and Magnetic Materials, 2012, 324, 1230-1233. | 2.3  | 2         |
| 54 | Variations of the Effective Magnetostriction with Annealing Conditions for Nanocrystalline<br>Magnetic Alloys. Journal of Low Temperature Physics, 2011, 164, 272-278.           | 1.4  | 2         |

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|----|--|-----|-----------|
| 55 | Theoretical analysis of magnetic sensor output voltage. Journal of Magnetism and Magnetic<br>Materials, 2011, 323, 1667-1670.  | 2.3 | 7         |
| 56 | A Study on Step-Like Magnetization Curves in Tb <sub>3</sub> Ga <sub>5</sub> O <sub>12</sub> at Low<br>Temperature. Advanced Materials Research, 2011, 415-417, 1315-1318. | 0.3 | 0         |
| 57 | Effects of three relativity effects on K <inf>α</inf> X-Ray. , 2011, , .   |     | 0         |
| 58 | Low Temperature Specific Heat of Amorphous Alloys. Journal of Low Temperature Physics, 2010, 160, 148-155.   | 1.4 | 9         |
| 59 | More accurate calculations of the magnetic entropy changes. Journal of Magnetism and Magnetic<br>Materials, 2009, 321, 3221-3224.  | 2.3 | 8         |
| 60 | Improvement of magnetic residual stress measurements based on Fourier transform. Materials Science and Technology, 2009, 25, 743-746.                                      | 1.6 | 2         |
| 61 | Variation of permeability of Nb-poor Finemet under different field amplitudes. Journal of Magnetism<br>and Magnetic Materials, 2008, 320, 1705-1711.                       | 2.3 | 7         |
| 62 | Effects of annealing condition and Al content on novel Fe73.5Si13.5B9Cu1Nb3-xAlx alloys. Rare Metals, 2008, 27, 545-549.   | 7.1 | 1         |
| 63 | Permeability spectra study of Fe73.5Si13.5B9Cu1Nb3â^'xAlx (x=0, 0.1, 0.2, 0.4, 0.8 and 1.6). Journal of Alloys<br>and Compounds, 2008, 466, 246-249.                       | 5.5 | 9         |
| 64 | Thermally tunable microring resonator for self-collimated beams in photonic crystals. , 2008, , .  |     | 0         |
| 65 | Soft magnetic properties and microstructure of novel Nb poor Finemet type alloys. Materials Science and Technology, 2008, 24, 45-48.                                       | 1.6 | 30        |
| 66 | Variation in Permeability of Nb-Poor Finemet Under Heating Annealing. Journal of Computational and Theoretical Nanoscience, 2008, 5, 1661-1664.                            | 0.4 | 0         |