

# Yin Du

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

688  
citations

567281

15  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

298  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Cryogenic wear behaviors of a metastable Ti-based bulk metallic glass composite. <i>Journal of Materials Science and Technology</i> , 2023, 134, 33-41.  | 10.7 | 14        |
| 2  | High-Entropy Alloys: Bulk Metallic Glasses. , 2022, , 318-326.   |      | 1         |
| 3  | Enhancing the tribological performance of the TiZrHfCuBe high entropy bulk metallic glass by Sn addition. <i>Tribology International</i> , 2022, 171, 107529.                                  | 5.9  | 19        |
| 4  | Effects of structure relaxation and surface oxidation on nanoscopic wear behaviors of metallic glass. <i>Acta Materialia</i> , 2022, 232, 117934.  | 7.9  | 62        |
| 5  | A wear-resistant metastable CoCrNiCu high-entropy alloy with modulated surface and subsurface structures. <i>Friction</i> , 2022, 10, 1722-1738.   | 6.4  | 9         |
| 6  | Improving the wear performance of a commercial Vit 1 amorphous alloy by a cryogenic cycling treatment. <i>Journal of Materials Science</i> , 2021, 56, 8276-8287.                              | 3.7  | 12        |
| 7  | Mechanical and tribological properties of Zr <sup>4+</sup> Cu <sup>2+</sup> Ni <sup>2+</sup> Al bulk metallic glasses with dual-phase structure. <i>Wear</i> , 2021, 474-475, 203880.          | 3.1  | 24        |
| 8  | Effect of Al addition on the microstructure, mechanical and wear properties of TiZrNbHf refractory high entropy alloys. <i>Tribology International</i> , 2021, 160, 107031.                    | 5.9  | 110       |
| 9  | Tribological characteristics of Ti-based bulk metallic glass via deep cryogenic-cycling treatment. <i>Materials Characterization</i> , 2021, 179, 111356.                                      | 4.4  | 11        |
| 10 | Mechanical and tribological performance of CoCrNiHf eutectic medium-entropy alloys. <i>Journal of Materials Science and Technology</i> , 2021, 90, 194-204.                                    | 10.7 | 37        |
| 11 | Mechanical and dry sliding tribological properties of CoCrNiNb medium-entropy alloys at room temperature. <i>Tribology International</i> , 2021, 163, 107160.                                  | 5.9  | 27        |
| 12 | An investigation on the lubrication effectiveness of MoS <sub>2</sub> and BN layered materials as oil additives using block-on-ring tests. <i>Tribology International</i> , 2020, 151, 106516. | 5.9  | 25        |
| 13 | Impurities of shear avalanches dynamic evolution in a metallic glass. <i>Materials Research Letters</i> , 2020, 8, 357-363.  | 8.7  | 42        |
| 14 | A nanoindentation study of Ti-based high entropy bulk metallic glasses at elevated temperatures. <i>Journal of Non-Crystalline Solids</i> , 2020, 532, 119878.                                 | 3.1  | 7         |
| 15 | Identifying the high entropy effect on plastic dynamics in bulk metallic glasses: A nanoindentation study at room and elevated temperatures. <i>Materials and Design</i> , 2020, 189, 108500.  | 7.0  | 10        |
| 16 | Enhancing the plasticity of a Ti-based bulk metallic glass composite by cryogenic cycling treatments. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155247.                              | 5.5  | 24        |
| 17 | Enhancing fatigue wear resistance of a bulk metallic glass via introducing phase separation: A micro-impact test analysis. <i>Wear</i> , 2019, 436-437, 203037.                                | 3.1  | 10        |
| 18 | Identifying the origin of strain rate sensitivity in a high entropy bulk metallic glass. <i>Scripta Materialia</i> , 2019, 164, 121-125.   | 5.2  | 65        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Identifying the significance of Sn addition on the tribological performance of Ti-based bulk metallic glass composites. <i>Journal of Alloys and Compounds</i> , 2019, 780, 671-679.            | 5.5 | 55        |
| 20 | Investigation into nanoscratching mechanical performance of metallic glass multilayers with improved nano-tribological properties. <i>Journal of Alloys and Compounds</i> , 2019, 776, 447-459. | 5.5 | 57        |
| 21 | Modulating mechanical properties of Ti-based bulk metallic glass composites by tailoring dendrite composition with Sn addition. <i>Journal of Alloys and Compounds</i> , 2018, 745, 16-25.      | 5.5 | 18        |
| 22 | Cracking and Toughening Mechanisms in Nanoscale Metallic Multilayer Films: A Brief Review. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1821.   | 2.5 | 18        |
| 23 | Tailoring shear banding behaviors in high entropy bulk metallic glass by minor Sn addition: A nanoindentation study. <i>Journal of Alloys and Compounds</i> , 2018, 762, 422-430.               | 5.5 | 21        |
| 24 | Strain rate sensitivity and deformation behavior in a Ti-based bulk metallic glass composite. <i>Journal of Non-Crystalline Solids</i> , 2017, 471, 128-136.                                    | 3.1 | 10        |