# Dongdong Qu

List of Publications by Year
in descending order



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|---|---|---|---|
| 27 papers | 439 citations | 840776 11 h-index | 713466 21 g-index |
| 27 all docs | 27 docs citations | 27 times ranked | 543 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Microstructure and Electrochemical Behavior of a 3D-Printed Ti-6Al-4V Alloy. Materials, 2022, 15, 4473. | 2.9 | 4 |
| 2 | Properties of CuGa2 Formed Between Liquid Ga and Cu Substrates at Room Temperature. Journal of Electronic Materials, 2020, 49, 128-139. | 2.2 | 29 |
| 3 | Electrochemically enhanced Cu6Sn5 anodes with tailored crystal orientation and ordered atomic arrangements for lithium-ion battery applications. Acta Materialia, 2020, 201, 341-349. | 7.9 | 5 |
| 4 | Cuboid-like nanostructure strengthened equiatomic Tiâ€“Zrâ€“Nbâ€“Ta medium entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 798, 140169. | 5.6 | 32 |
| 5 | On the distribution of the trace elements V and Cr in an Alâ€“Znâ€“Si alloy coating on a steel substrate. Materialia, 2020, 11, 100669. | 2.7 | 2 |
| 6 | Reducing Cracking in Solder Joint Interfacial Cu<sub>6</sub>Sn<sub>5</sub> with Modified Reflow Profile. Transactions of the Japan Institute of Electronics Packaging, 2020, 13, E19-004-1-E19-004-11. | 0.4 | 4 |
| 7 | Intermetallic formation mechanisms and properties in room-temperature Ga soldering. Journal of Alloys and Compounds, 2020, 826, 154221. | 5.5 | 17 |
| 8 | Effects of Ni and Cu Antisite Substitution on the Phase Stability of CuGa2 from Liquid Ga/Cuâ€“Ni Interfacial Reaction. ACS Applied Materials & Interfaces, 2019, 11, 32523-32532. | 8.0 | 10 |
| 9 | Inhibition of cracking in Cu6Sn5 intermetallic compounds at the interface of lead-free solder joint by controlling the reflow cooling conditions. , 2019, , . | | 1 |
| 10 | Effect of Deposition Parameters on Microstructure of the Ti-Mg Immiscible Alloy Thin Film Deposited by Multi-Arc Ion Plating. Metals, 2019, 9, 1229. | 2.3 | 2 |
| 11 | Pressureâ€induced polyamorphism in lanthanideâ€solute metallic glasses. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700078. | 2.4 | 4 |
| 12 | Pressureâ€induced polyamorphism in lanthanideâ€solute metallic glasses (Phys. Status Solidi RRL 6/2017). Physica Status Solidi - Rapid Research Letters, 2017, 11, 1770332. | 2.4 | 0 |
| 13 | Constant fractal dimensionality and structure evolution in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">T</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>62</mml:mn></mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">u</mml:mi><mml:mn>38</mml:mn></mml:msub></mml:mrow></mml:math> meta | 3.2 | 8 |
| 14 | A metric to gauge local distortion in metallic glasses and supercooled liquids. Acta Materialia, 2014, 72, 229-238. | 7.9 | 9 |
| 15 | Structural origins for the high plasticity of a Zrâ€“Cuâ€“Niâ€“Al bulk metallic glass. Acta Materialia, 2013, 61, 321-330. | 7.9 | 25 |
| 16 | Variability of Poisson's Ratio and Enhanced Ductility in Amorphous Metal. Advanced Engineering Materials, 2013, 15, 347-351. | 3.5 | 11 |
| 17 | Undercooling behavior of Zrâ€“Cuâ€“Niâ€“Al bulk metallic glasses investigated by in situ synchrotron high energy X-ray diffraction. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 555, 36-43. | 5.6 | 7 |
| 18 | Introducing a strain-hardening capability to improve the ductility of bulk metallic glasses via severe plastic deformation. Acta Materialia, 2012, 60, 253-260. | 7.9 | 72 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Shear bands in a bulk metallic glass after large plastic deformation. Scripta Materialia, 2012, 67, 332-335. | 5.2 | 13 |
| 20 | Super-high compressive plastic deformation behaviors of Zr-based metallic glass at room temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 541, 199-203. | 5.6 | 11 |
| 21 | On the Atomic Anisotropy of Thermal Expansion in Bulk Metallic Glass. Advanced Engineering Materials, 2011, 13, 861-864. | 3.5 | 17 |
| 22 | New Approaches to the Computer Simulation of Amorphous Alloys: A Review. Materials, 2011, 4, 716-781. | 2.9 | 14 |
| 23 | Inhomogeneous structure and glass-forming ability in Zr-based bulk metallic glasses. Journal of Non-Crystalline Solids, 2010, 356, 39-45. | 3.1 | 13 |
| 24 | MECHANICAL PROPERTY OF A NEW <font>Zr</font>-BASED BULK METALLIC GLASS WITH CERTAIN PLASTICITY AT LOW TEMPERATURE. International Journal of Modern Physics B, 2009, 23, 1331-1336. | 2.0 | 4 |
| 25 | Zrâ€“Cuâ€“Niâ€“Al bulk metallic glasses with superhigh glass-forming ability. Acta Materialia, 2009, 57, 1290-1299. | 7.9 | 118 |
| 26 | The Interaction of Sn-Ga Alloys and Au Coated Cu Substrates. Solid State Phenomena, 0, 273, 3-8. | 0.3 | 6 |
| 27 | Effect of Trace Elements on the Liquid Structure of Sn-Cu Alloys Investigated by High Energy X-Ray Diffraction. Solid State Phenomena, 0, 273, 101-106. | 0.3 | 1 |