

Florian Vogel

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Combination of enhanced strength and sufficient tensile ductility in a sintered ultrafine-grained CoFeMnNi medium-entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 831, 142175. | 5.6 | 7 |
| 2 | Fabricating advanced asymmetric supercapacitors by flame growing carbon nanofibers on surface engineered stainless steel electrode and modulating the redox active electrolyte. <i>Surface and Coatings Technology</i> , 2022, 431, 128032. | 4.8 | 2 |
| 3 | Design of BCC refractory multi-principal element alloys with superior mechanical properties. <i>Materials Research Letters</i> , 2022, 10, 133-140. | 8.7 | 18 |
| 4 | Formation and evolution of hierarchical microstructures in a Ni-based superalloy investigated by in situ high-temperature synchrotron X-ray diffraction. <i>Journal of Alloys and Compounds</i> , 2022, 919, 165845. | 5.5 | 4 |
| 5 | Twinning and orientation relationships of the monoclinic $\hat{\Gamma}$ -Al ₄₅ (Mn,Cr) ₇ phase in an Al-Mg alloy containing Mn. <i>Intermetallics</i> , 2021, 132, 107152. | 3.9 | 5 |
| 6 | Influence of Ti ₃ SiC ₂ content on erosion behavior of Cu-Ti ₃ SiC ₂ cathode under vacuum arc. <i>Ceramics International</i> , 2021, 47, 25973-25985. | 4.8 | 17 |
| 7 | Complications of using thin film geometries for nanocrystalline thermal stability investigations. <i>Journal of Materials Research</i> , 2020, 35, 2087-2097. | 2.6 | 0 |
| 8 | Hierarchical phase separation behavior in a Ni-Si-Fe alloy. <i>Acta Materialia</i> , 2020, 195, 327-340. | 7.9 | 5 |
| 9 | Evolution of $\hat{\Gamma}^3/\hat{\Gamma}^3'$ phases, their misfit and volume fractions in Al ₁₀ Co ₂₅ Cr ₈ Fe ₁₅ Ni ₃₆ Ti ₆ compositionally complex alloy. <i>Materials Characterization</i> , 2019, 154, 363-376. | 4.4 | 18 |
| 10 | Carbide and nitride phase characterization in a transition metal carbo-nitride using x-ray spectroscopy and atom probe tomography. <i>Micron</i> , 2019, 122, 32-40. | 2.2 | 2 |
| 11 | Saltwater corrosion behavior of cold sprayed AA7075 aluminum alloy coatings. <i>Corrosion Science</i> , 2018, 130, 231-240. | 6.6 | 63 |
| 12 | Atom probe tomography analysis of the reference zircon gj-1: An interlaboratory study. <i>Chemical Geology</i> , 2018, 495, 27-35. | 3.3 | 27 |
| 13 | Influence of impurities, strontium addition and cooling rate on microstructure evolution in Al-10Si-0.3Fe casting alloys. <i>Journal of Alloys and Compounds</i> , 2018, 766, 818-827. | 5.5 | 22 |
| 14 | Tracing the three-dimensional nanochemistry of phase separation in an inverse Ni-based superalloy. <i>Acta Materialia</i> , 2018, 157, 326-338. | 7.9 | 17 |
| 15 | Complex evaporation behavior of a transition metal carbo-nitride (Hf(C,N)) studied by atom probe tomography. <i>Ultramicroscopy</i> , 2018, 194, 154-166. | 1.9 | 2 |
| 16 | Formation of intermetallic $\hat{\Gamma}$ phase in Al-10Si-0.3Fe alloy investigated by in-situ 4D X-ray synchrotron tomography. <i>Acta Materialia</i> , 2017, 129, 194-202. | 7.9 | 53 |
| 17 | Influence of phase stability on the in situ growth stresses in Cu/Nb multilayered films. <i>Acta Materialia</i> , 2017, 132, 149-161. | 7.9 | 15 |
| 18 | Field Evaporation Characteristics in Hafnium Carbides. <i>Microscopy and Microanalysis</i> , 2017, 23, 710-711. | 0.4 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Evolution of nanoscale clusters in γ precipitates of a Ni-Al-Ti model alloy. Ultramicroscopy, 2015, 159, 278-284. | 1.9 | 17 |
| 20 | Mapping the evolution of hierarchical microstructures in a Ni-based superalloy. Nature Communications, 2013, 4, 2955. | 12.8 | 56 |
| 21 | Early stages of decomposition within the γ phase of a Ni-Al-Ti model alloy. Intermetallics, 2012, 22, 226-230. | 3.9 | 17 |