

Mohan Muralikrishna G

List of Publications by Year in descending order

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17
papers

491
citations

1040056

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996975

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all docs

17
docs citations

17
times ranked

501
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | High-entropy alloys by mechanical alloying: A review. <i>Journal of Materials Research</i> , 2019, 34, 664-686. | 2.6 | 258 |
| 2 | Microstructure and doping effect on the enhancement of the thermoelectric properties of Ni doped Dy filled CoSb_3 skutterudites. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2687-2697. | 4.9 | 40 |
| 3 | Experimental assessment of the thermodynamic factor for diffusion in CoCrFeNi and CoCrFeMnNi high entropy alloys. <i>Scripta Materialia</i> , 2018, 157, 81-85. | 5.2 | 38 |
| 4 | Influence of Al content on thermal stability of nanocrystalline $\text{Al}_x\text{CoCrFeNi}$ high entropy alloys at low and intermediate temperatures. <i>Advanced Powder Technology</i> , 2020, 31, 1985-1993. | 4.1 | 37 |
| 5 | Tracer diffusion in the γ phase of the CoCrFeMnNi system. <i>Acta Materialia</i> , 2021, 203, 116498. | 7.9 | 24 |
| 6 | Influence of mechanically activated annealing on phase evolution in $\text{Al}_{0.3}\text{CoCrFeNi}$ high-entropy alloy. <i>Journal of Materials Science</i> , 2019, 54, 14588-14598. | 3.7 | 20 |
| 7 | Composition dependence of tracer diffusion coefficients in Fe-Ga alloys: A case study by a tracer-diffusion couple method. <i>Acta Materialia</i> , 2021, 203, 116446. | 7.9 | 16 |
| 8 | Novel Multicomponent B2-Ordered Aluminides: Compositional Design, Synthesis, Characterization, and Thermal Stability. <i>Metals</i> , 2020, 10, 1411. | 2.3 | 15 |
| 9 | Evolution of phase constitution with mechanical alloying and spark plasma sintering of nanocrystalline $\text{Al}_x\text{CoCrFeNi}$ ($x=0, 0.3, 0.6, 1$ mol) high-entropy alloys. <i>Journal of Materials Research</i> , 2022, 37, 959-975. | 2.6 | 11 |
| 10 | Tracer diffusion in ordered pseudo-binary multicomponent aluminides. <i>Scripta Materialia</i> , 2020, 178, 227-231. | 5.2 | 10 |
| 11 | Atomic transport in B2-ordered $\text{Al}(\text{Fe,Ni})$ alloys: Tracer-interdiffusion couple approach. <i>Intermetallics</i> , 2020, 126, 106920. | 3.9 | 8 |
| 12 | Preparation of nanocrystalline nickel oxide from nickel hydroxide using spark plasma sintering and inverse Hall-Petch related densification. <i>Ceramics International</i> , 2018, 44, 15019-15023. | 4.8 | 5 |
| 13 | Tuning the optical and thermoelectric properties of $\text{SrTi}_{0.8-x}\text{Sn}_{0.2}\text{Fe}_x\text{O}_3$. <i>Materials Research Express</i> , 2019, 6, 045905. | 1.6 | 4 |
| 14 | Visualisation of stabilising particles at the gas-solid interface of metal foams. <i>Materials Letters</i> , 2020, 278, 128371. | 2.6 | 4 |
| 15 | Double shadow masking sample preparation method for <i>in situ</i> TEM characterization. <i>Nano Select</i> , 2020, 1, 413-418. | 3.7 | 1 |
| 16 | Interface-Driven Thermoelectric Switching Performance of VO_2 + Diffused Soda-Lime Glass. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100077. | 2.4 | 0 |
| 17 | Tracer Diffusion in the β -Phase of the CrMnFeCoNi System. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |