

Bensu Tunca

List of Publications by Year in descending order

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18
papers

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363
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Synthesis of MAX Phases in the Zr-Ti-Al-C System. <i>Inorganic Chemistry</i> , 2017, 56, 3489-3498. | 1.9 | 70 |
| 2 | Theoretical Prediction and Synthesis of $(Cr_{2/3}Zr_{1/3})_2AlC$ MAX Phase. <i>Inorganic Chemistry</i> , 2018, 57, 6237-6244. | 1.9 | 59 |
| 3 | Synthesis of MAX Phases in the Hf-Al-C System. <i>Inorganic Chemistry</i> , 2016, 55, 10922-10927. | 1.9 | 57 |
| 4 | Synthesis and Characterization of Double Solid Solution $(Zr,Ti)_2(Al,Sn)C$ MAX Phase Ceramics. <i>Inorganic Chemistry</i> , 2019, 58, 6669-6683. | 1.9 | 45 |
| 5 | The double solid solution $(Zr, Nb)_2(Al, Sn)C$ MAX phase: a steric stability approach. <i>Scientific Reports</i> , 2018, 8, 12801. | 1.6 | 44 |
| 6 | Interaction of $Mn_{1+x}Al_n$ phases with oxygen-poor, static and fast-flowing liquid lead-bismuth eutectic. <i>Journal of Nuclear Materials</i> , 2019, 520, 258-272. | 1.3 | 39 |
| 7 | Synthesis, properties and thermal decomposition of the Ta_4AlC_3 MAX phase. <i>Journal of the European Ceramic Society</i> , 2019, 39, 2973-2981. | 2.8 | 38 |
| 8 | Ta-based 413 and 211 MAX phase solid solutions with Hf and Nb. <i>Journal of the European Ceramic Society</i> , 2020, 40, 1829-1838. | 2.8 | 31 |
| 9 | Compatibility of Zr_2AlC MAX phase-based ceramics with oxygen-poor, static liquid lead-bismuth eutectic. <i>Corrosion Science</i> , 2020, 171, 108704. | 3.0 | 24 |
| 10 | Reactive spark plasma sintering of Ti_3SnC_2 , Zr_3SnC_2 and Hf_3SnC_2 using Fe, Co or Ni additives. <i>Journal of the European Ceramic Society</i> , 2017, 37, 4539-4545. | 2.8 | 23 |
| 11 | Influence of Plastic Deformation on Dissolution Corrosion of Type 316L Austenitic Stainless Steel in Static, Oxygen-Poor Liquid Lead-Bismuth Eutectic at 500°C. <i>Corrosion</i> , 2017, 73, 1078-1090. | 0.5 | 11 |
| 12 | Deposition of MAX phase-containing thin films from a $(Ti,Zr)_2AlC$ compound target. <i>Applied Surface Science</i> , 2021, 551, 149370. | 3.1 | 10 |
| 13 | Chemically complex double solid solution MAX phase-based ceramics in the $(Ti,Zr,Hf,V,Nb)-(Al,Sn)-C$ system. <i>Materials Research Letters</i> , 2022, 10, 52-61. | 4.1 | 10 |
| 14 | MAX Phases, Structure, Processing, and Properties. , 2021, , 182-199. | | 8 |
| 15 | Colloidal Stability and Aggregation Mechanism in Aqueous Suspensions of TiO_2 Nanoparticles Prepared by Sol-Gel Synthesis. <i>Langmuir</i> , 2021, 37, 14846-14855. | 1.6 | 7 |
| 16 | Fatigue Behavior of 51 Vol.% Porous Ti-6Al-4V Alloy. <i>Materials Science Forum</i> , 0, 783-786, 1221-1225. | 0.3 | 2 |
| 17 | Fatigue and Fracture Behavior of Porous TiNi Alloys. <i>Materials Science Forum</i> , 0, 783-786, 591-596. | 0.3 | 1 |
| 18 | Recrystallization of AZ31 Alloy. <i>Materials Science Forum</i> , 0, 783-786, 497-502. | 0.3 | 0 |