# Benat Kockar

List of Publications by Year
in descending order



| 17 | 498 | 1163117 8 | 940533 16 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 18 | 18 | 18 | 392 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Crack growth behavior during actuation cycling of hot extruded and annealed Ni<sub>50</sub>Ti<sub>30</sub>Hf<sub>20</sub> high temperature shape memory alloys. Smart Materials and Structures, 2022, 31, 095002. | 3.5 | 1 |
| 2 | Influence of limiting the actuation strain on the functional fatigue behavior of Ni<sub>50.3</sub>Ti<sub>29.7</sub>Hf<sub>20</sub> high temperature shape memory alloy. Journal of Intelligent Material Systems and Structures, 2021, 32, 219-227. | 2.5 | 6 |
| 3 | Investigating the effect of hot extrusion and annealing to the functional fatigue behavior of Ni<sub>50</sub>Ti<sub>30</sub>Hf<sub>20</sub> high temperature shape memory alloy. Smart Materials and Structures, 2021, 30, 105017. | 3.5 | 4 |
| 4 | Effect of the cooling rate on the thermal and thermomechanical behavior of NiTiHf high-temperature shape memory alloy. Journal of Materials Research, 2020, 35, 1572-1581. | 2.6 | 10 |
| 5 | Comparison of the transformation behavior of cold rolling with aging and hot extrusion with aging processed Ni50.3Ti29.7Hf20 high temperature shape memory alloy. Smart Materials and Structures, 2019, 28, 105029. | 3.5 | 4 |
| 6 | Epidermal growth factor enhances spinal fusion: Posterolateral lumbar fusion model on rats. Acta Orthopaedica Et Traumatologica Turcica, 2019, 53, 134-139. | 0.8 | 3 |
| 7 | Effect of Aging Heat Treatment on the High Cycle Fatigue Life of Ni50.3Ti29.7Hf20 High-Temperature Shape Memory Alloy. Shape Memory and Superelasticity, 2019, 5, 32-41. | 2.2 | 9 |
| 8 | The effects of cold rolling and the subsequent heat treatments on the shape memory and the superelasticity characteristics of Cu<sub>73</sub>Al<sub>16</sub>Mn<sub>11</sub> shape memory alloy. Smart Materials and Structures, 2018, 27, 015028. | 3.5 | 11 |
| 9 | The effect of dynamic aging on the cyclic stability of Cu 73 Al 16 Mn 11 shape memory alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 701, 352-358. | 5.6 | 17 |
| 10 | Comparison of the Work Output Values of Gradually Changing Porosity Samples and the Samples with Single Percent Porosity Level. , 2015, , 201-210. | | 0 |
| 11 | The tensile and impact resistance properties of accumulative roll bonded Al6061 and AZ31 alloy plates. Journal of Materials Research, 2014, 29, 1223-1230. | 2.6 | 1 |
| 12 | Shape memory behavior of Ni-rich NiTi foam with different porosity percentages. Journal of Intelligent Material Systems and Structures, 2013, 24, 1131-1137. | 2.5 | 7 |
| 13 | Shape memory behavior and tensionâ€“compression asymmetry of a FeNiCoAlTa single-crystalline shape memory alloy. Acta Materialia, 2012, 60, 2186-2195. | 7.9 | 83 |
| 14 | Severe plastic deformation of Ti74Nb26 shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 7628-7635. | 5.6 | 21 |
| 15 | Role of severe plastic deformation on the cyclic reversibility of a Ti50.3Ni33.7Pd16 high temperature shape memory alloy. Acta Materialia, 2010, 58, 6411-6420. | 7.9 | 75 |
| 16 | Thermomechanical cyclic response of an ultrafine-grained NiTi shape memory alloy. Acta Materialia, 2008, 56, 3630-3646. | 7.9 | 187 |
| 17 | Effect of severe ausforming via equal channel angular extrusion on the shape memory response of a NiTi alloy. Journal of Nuclear Materials, 2007, 361, 298-305. | 2.7 | 59 |