Hasan Kotan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2127260/publications.pdf

Version: 2024-02-01

28	689	687220	580701
papers	citations	13 h-index	25 g-index

28	28	28	457
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High temperature stabilization of nanocrystalline grain size: Thermodynamic versus kinetic strategies. Journal of Materials Research, 2013, 28, 1785-1791.	1.2	137
2	Thermodynamic stabilization of nanocrystalline binary alloys. Journal of Applied Physics, 2013, 113, .	1.1	100
3	Thermal stability of nanocrystalline Feâ€“Cr alloys with Zr additions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 556, 664-670.	2.6	69
4	A predictive model for thermodynamic stability of grain size in nanocrystalline ternary alloys. Journal of Applied Physics, 2013, 114, .	1.1	61
5	An in situ experimental study of grain growth in a nanocrystalline Fe91Ni8Zr1 alloy. Journal of Materials Science, 2013, 48, 2251-2257.	1.7	49
6	Effect of zirconium on grain growth and mechanical properties of a ball-milled nanocrystalline FeNi alloy. Journal of Alloys and Compounds, 2013, 551, 621-629.	2.8	39
7	Thermal stability and mechanical properties of nanocrystalline Feâ€“Niâ€“Zr alloys prepared by mechanical alloying. Journal of Materials Science, 2013, 48, 8402-8411.	1.7	39
8	Microstructural evolution of 316L stainless steels with yttrium addition after mechanical milling and heat treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 647, 136-143.	2.6	25
9	Influence of Zr and nano-Y 2 O 3 additions on thermal stability and improved hardness in mechanically alloyed Fe base ferritic alloys. Journal of Alloys and Compounds, 2014, 615, 1013-1018.	2.8	22
10	Thermal stability, phase transformation and hardness of mechanically alloyed nanocrystalline Fe-18Cr-8Ni stainless steel with Zr and Y2O3 additions. Journal of Alloys and Compounds, 2018, 749, 948-954.	2.8	22
11	Grain size stabilization of oxide dispersion strengthened CoCrFeNi-Y2O3 high entropy alloys synthesized by mechanical alloying. Journal of Alloys and Compounds, 2021, 887, 161363.	2.8	17
12	Isothermal Annealing of aÂThermally Stabilized Fe-Based Ferritic Alloy. Journal of Materials Engineering and Performance, 2015, 24, 3271-3276.	1.2	16
13	A study of microstructural evolution of Fe-18Cr-8Ni, Fe-17Cr-12Ni, and Fe-20Cr-25Ni stainless steels after mechanical alloying and annealing. Materials Characterization, 2018, 138, 186-194.	1.9	15
14	Role of yttrium addition and annealing temperature on thermal stability and hardness of nanocrystalline CoCrFeNi high entropy alloy. Intermetallics, 2022, 146, 107589.	1.8	14
15	Phase transformation and grain growth behavior of a nanocrystalline 18/8 stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 686, 168-175.	2.6	13
16	Effect of milling time, MWCNT content, and annealing temperature on microstructure and hardness of Fe/MWCNT nanocomposites synthesized by high-energy ball milling. Advanced Powder Technology, 2021, 32, 3107-3116.	2.0	10
17	Effect of Hf additions on phase transformation, microstructural stability, and hardness of nanocrystalline 304L stainless steels synthesized by mechanical alloying. Advanced Powder Technology, 2021, 32, 3117-3124.	2.0	9
18	An investigation of abnormal grain growth in Zr doped CoCrFeNi HEAs through in-situ formed oxide phases. Intermetallics, 2022, 146, 107588.	1.8	7

#	Article	IF	Citations
19	High Temperature Mechanical Properties and Microstructures of Thermally Stabilized Fe-Based Alloys Synthesized by Mechanical Alloying Followed by Hot Extrusion. Metals and Materials International, 2021, 27, 1790-1797.	1.8	6
20	Effect of Composition, Mechanical Alloying Temperature and Cooling Rate on Martensitic Transformation and Its Reversion in Mechanically Alloyed Stainless Steels. Metals and Materials International, 2021, 27, 3765-3775.	1.8	4
21	Effect of Y addition on the structural transformation and thermal stability of Ti-22Al-25Nb alloy produced by mechanical alloying. Materialpruefung/Materials Testing, 2021, 63, 599-605.	0.8	4
22	Understanding microstructural evolution and hardness of nanostructured Fe89.5Ni8Zr2.5 alloy produced by mechanical alloying and pressureless sintering. Engineering Science and Technology, an International Journal, 2020, 23, 1279-1284.	2.0	3
23	Microstructural Characterization and Hardness Study of Nanostructured CoCrFeNi High Entropy Alloys with Dual Effect of Y and Nano-Sized Y2O3 Additions. Transactions of the Indian Institute of Metals, 2022, 75, 2389-2394.	0.7	3
24	Thermal Stability of Nanocrystalline Grain Size in Ternary Fe-Base Alloys. Materials Science Forum, 2013, 753, 341-344.	0.3	2
25	Preparation of defect-rich, N-doped activated carbons via high-energy ball milling and investigation of their electrochemical performances towards hydrogen peroxide sensing. Applied Nanoscience (Switzerland), 2022, 12, 1475-1489.	1.6	2
26	Mekanik AlaÅŸÄ±mlama ile Ãœretilen Nanokristal YapÄ±lÄ± Ã–stenitik Paslanmaz Ã‡elik AlaÅŸÄ±mlarÄ±nda Y ve nano - Y2O3 Ä°lavelerinin Tane BÃ¼yÃ¼mesi ve SertliÄŸe Etkisi. Journal of the Faculty of Engineering and Architecture of Gazi University, 2018, 2018, .	0.3	1
27	Investigation of Corrosion Behavior of Stainless Steels As a Function of Composition, Grain Size and Austenite to Martensite Phase Ratio. ECS Meeting Abstracts, 2019, , .	0.0	0
28	Mekanik alaÅŸÄ±mlama sÃ¼resinin Ti10Nb10Sn alaÅŸÄ±mÄ±nÄ±n mikroyapÄ± ve mekanik Ã¶zelliklerine etkisinin araÅŸtÄ±rÄ±lmasÄ±. El-Cezeri Journal of Science and Engineering, 0, , .	0.1	0