

Hasan Kotan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	An investigation of abnormal grain growth in Zr doped CoCrFeNi HEAs through in-situ formed oxide phases. Intermetallics, 2022, 146, 107588.	1.8	7
4	Microstructural Characterization and Hardness Study of Nanostructured CoCrFeNi High Entropy Alloys with Dual Effect of Y and Nano-Sized Y ₂ O ₃ Additions. Transactions of the Indian Institute of Metals, 2022, 75, 2389-2394.	0.7	3
5	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
6	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
7	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
8	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
9	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
10	Grain size stabilization of oxide dispersion strengthened CoCrFeNi-Y ₂ O ₃ high entropy alloys synthesized by mechanical alloying. Journal of Alloys and Compounds, 2021, 887, 161363.	2.8	17
11	Understanding microstructural evolution and hardness of nanostructured Fe _{89.5} Ni ₈ Zr _{2.5} alloy produced by mechanical alloying and pressureless sintering. Engineering Science and Technology, an International Journal, 2020, 23, 1279-1284.	2.0	3
12	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
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	Thermal stability, phase transformation and hardness of mechanically alloyed nanocrystalline Fe-18Cr-8Ni stainless steel with Zr and Y ₂ O ₃ additions. Journal of Alloys and Compounds, 2018, 749, 948-954.	2.8	22
15	Mekanik Ala [±] mlama ile [±] ceritlen Nanokristal Yap [±] l [±] [±] stenitik Paslanmaz [±] elik Ala [±] mlar [±] nda Y ve nano - Y ₂ O ₃ [±] lavelerinin Tane B [±] l [±] mesi ve Sertli [±] e Etkisi. Journal of the Faculty of Engineering and Architecture of Gazi University, 2018, 2018, .	0.3	1
16	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
17	Isothermal Annealing of a Thermally Stabilized Fe-Based Ferritic Alloy. Journal of Materials Engineering and Performance, 2015, 24, 3271-3276.	1.2	16
18	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

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19	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
20	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
21	A predictive model for thermodynamic stability of grain size in nanocrystalline ternary alloys. Journal of Applied Physics, 2013, 114, .	1.1	61
22	Thermodynamic stabilization of nanocrystalline binary alloys. Journal of Applied Physics, 2013, 113, .	1.1	100
23	Thermal Stability of Nanocrystalline Grain Size in Ternary Fe-Base Alloys. Materials Science Forum, 2013, 753, 341-344.	0.3	2
24	An in situ experimental study of grain growth in a nanocrystalline Fe ₉₁ Ni ₈ Zr ₁ alloy. Journal of Materials Science, 2013, 48, 2251-2257.	1.7	49
25	High temperature stabilization of nanocrystalline grain size: Thermodynamic versus kinetic strategies. Journal of Materials Research, 2013, 28, 1785-1791.	1.2	137
26	Thermal stability and mechanical properties of nanocrystalline Fe-Ni-Zr alloys prepared by mechanical alloying. Journal of Materials Science, 2013, 48, 8402-8411.	1.7	39
27	Thermal stability of nanocrystalline Fe-Cr alloys with Zr additions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 556, 664-670.	2.6	69
28	Mekanik alaÄ±mlama s ¹ / ₄ resinin Ti ₁₀ Nb ₁₀ Sn alaÄ±mÄ±n mikroyapı ve mekanik özelliklerine etkisinin araÄ±tması. El-Cezeri Journal of Science and Engineering, 0, , .	0.1	0