Hamidreza R Koohdar

List of Publications by Year
in descending order

18	217	1162889 8	996849 15
papers	citations	h-index	g-index

19	19	19	122
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electromagnetic microwave absorption properties of high entropy spinel ferrite ((MnNiCuZn)1â^'xCoxFe2O4)/graphene nanocomposites. Journal of Materials Research and Technology, 2021, 14, 1099-1111.	2.6	42
2	Optimization of hydrogen dynamic heat treatment and re-calcination for preparation of strontium hexaferrite nanocrystalline powder. Journal of Alloys and Compounds, 2009, 479, 638-641.	2.8	28
3	On the microstructure and mechanical properties of an Fe-10Ni-7Mn martensitic steel processed by high-pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 749, 27-34.	2.6	19
4	Strain-induced martensite to austenite reverse transformation in an ultrafine-grained Feâ€“Niâ€“Mn martensitic steel. Philosophical Magazine, 2014, 94, 1493-1507.	0.7	18
5	On the Stability of Reversely Formed Austenite and Related Mechanism of Transformation in an Fe-Ni-Mn Martensitic Steel Aided by Electron Backscattering Diffraction and Atom Probe Tomography. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 5244-5257.	1.1	18
6	Development of pseudoelasticity in Feâ€“10Niâ€“7Mn (wt%) high strength martensitic steel by intercritical heat treatment and subsequent ageing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 621, 52-60.	2.6	16
7	Observation of pseudoelasticity in a cold rolled Feâ€“Niâ€“Mn martensitic steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 658, 86-90.	2.6	16
8	Preparation of strontium hexaferrite nano-crystalline powder by carbon monoxide heat treatment and re-calcination from conventionally synthesized powder. Journal of Alloys and Compounds, 2009, 470, 561-564.	2.8	12
9	Investigating on the Reverse Transformation of Martensite to Austenite and Pseudoelastic Behavior in Ultrafine-Grained Fe-10Ni-7Mn (wt %) Steel Processed by Heavy Cold Rolling. Advanced Materials Research, 0, 829, 25-29.	0.3	10
10	High-performance microwave absorbers based on (CoNiCuZn)1â^'xMnxFe2O4 spinel ferrites. Journal of Alloys and Compounds, 2022, 909, 164637.	2.8	9
11	The effect of high-pressure torsion on the microstructure and outstanding pseudoelasticity of a ternary Feâ€“Niâ€“Mn shape memory alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 802, 140647.	2.6	7
12	Structure, magnetic, and microwave absorption properties of (MnNiCu)0.9â^'xCoxZn0.1Fe2O4/graphene composite powders. Journal of Alloys and Compounds, 2021, 878, 160337.	2.8	6
13	Conversion of Conventionally Synthesized Strontium Hexaferrite Powder Into a Nano Size Powder With Enhanced Coercivity Using GTMR Method. IEEE Transactions on Magnetics, 2009, 45, 2601-2604.	1.2	4
14	Phase evolution and mechanical properties of an intercritically-annealed Feâ€“10Niâ€“7Mn (wt. %) martensitic steel severely deformed by high-pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 804, 140519.	2.6	4
15	Engineering mechanical properties by controlling the microstructure of an Feâ€“Niâ€“Mn martensitic steel through pre-cold rolling and subsequent heat treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 804, 140760.	2.6	4
16	Effect of post-deformation annealing on the microstructure and mechanical behavior of an Feâ€“Niâ€“Mn steel processed by high-pressure torsion. Journal of Materials Research and Technology, 2021, 15, 1537-1546.	2.6	3
17	Effect of high-pressure torsion on the microstructural evolution and mechanical properties of an Fe-10Ni-7Mn (wt. %) lath martensitic steel. AIP Conference Proceedings, 2018, , .	0.3	1
18	The effects of cold rolling and aging conditions on the microstructure and magnetic properties of a semi-hard Feâ€“Moâ€“Ni magnetic alloy. Journal of Materials Research and Technology, 2021, 12, 521-529.	2.6	0