

Najam Ul Hassan

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

238
citations

1163117

8
h-index

996975

15
g-index

21
all docs

21
docs citations

21
times ranked

239
citing authors

#	ARTICLE	IF	CITATIONS
1	SPUTTERING OF GOLD AND COPPER SURFACES UNDER LOW ENERGY CESIUM IONS. Surface Review and Letters, 2022, 29, .	1.1	0
2	Hydrothermal Synthesis of Binder-Free Metallic NiCo ₂ O ₄ Nano-Needles Supported on Carbon Cloth as an Advanced Electrode for Supercapacitor Applications. Materials, 2022, 15, 4499.	2.9	9
3	Tunable Martensitic Transformation and Magnetic Properties of Sm-Doped NiMnSn Ferromagnetic Shape Memory Alloys. Crystals, 2021, 11, 1115.	2.2	5
4	Multi-heterostructured spin-valve junction of vertical FLG/MoSe ₂ /FLG. APL Materials, 2020, 8, .	5.1	11
5	Realization of Magnetostructural Transition and Magnetocaloric Properties of Ni _{1-x} Mn _x Mo _{1-x} Sn _x Heusler Alloys. Journal of Superconductivity and Novel Magnetism, 2019, 32, 659-665.	1.8	3
6	Modified electrical and microwave absorption properties of silver nanowires grown on graphene nanoplatelets. Materials Research Express, 2019, 6, 1250f8.	1.6	3
7	Mechanical behavior and fracture characteristics of simultaneously tensile loaded and laser heated Ti6Al4V alloy. Materials Research Express, 2019, 6, 036506.	1.6	1
8	Magnetostructural transformation and magnetocaloric effect in Ni ₄₂ Mn _{47.5} Sn _{10.5} and Ni _{41.5} Mn _{47.5} Sn _{10.5} Zn _{0.5} ferromagnetic shape memory alloys. Materials Research Express, 2018, 5, 026108.	1.6	1
9	Magnetostructural transformation and magnetocaloric effect in Mn _{48-x} Ni ₄₂ Sn ₁₀ ferromagnetic shape memory alloys. Chinese Physics B, 2018, 27, 037504.	1.4	7
10	Magnetostructural Coupling and Giant Magnetocaloric Effect in Off-Stoichiometric MnCoGe Alloys. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3809-3815.	1.8	8
11	Synthesis, characterization and biological studies of copper oxide nanostructures. Materials Research Express, 2018, 5, 045006.	1.6	39
12	Effect of Ni-Mn ratio on structural, martensitic and magnetic properties of Ni-Mn-Co-Ti ferromagnetic shape memory alloys. Materials Research Express, 2018, 5, 086102.	1.6	4
13	Mechanical Response and Failure Evolution of 304L Stainless Steel under the Combined Action of Mechanical Loading and Laser Heating. Metals, 2018, 8, 620.	2.3	6
14	Structural and magneto-transport properties of Mn _{1+x} Co _{1-x} Sn (x = 0.0-1.0) alloys. Journal of Magnetism and Magnetic Materials, 2018, 465, 360-364.	2.3	11
15	Effect of Sb-doping on martensitic transformation and magnetocaloric effect in Mn-rich $\text{Mn}_{50}\text{Ni}_{40}\text{Sn}_{1-x}\text{Sb}_x$ (x=1,2,3, and 4) alloys. Chinese Physics B, 2017, 26, 017501.	1.4	2
16	Realisation of magnetostructural coupling and a large magnetocaloric effect in the MnCoGe _{1+x} system. Journal of Magnetism and Magnetic Materials, 2017, 439, 120-125.	2.3	29
17	MORPHOLOGICAL CHANGE IN Cu-DOPED ZnO FROM ROD-LIKE TO FLOWERS-LIKE NANOSTRUCTURES: A VITAL ROLE FOR THE OPTICAL BAND GAP TUNING. Surface Review and Letters, 2017, 24, 1850001.	1.1	5
18	Influence of Ni/Mn ratio on magnetostructural transformation and magnetocaloric effect in Ni _{48-x} Co ₂ Mn _{38+x} Sn ₁₂ (x = 0, 1.0, 1.5, 2.0, and 2.5) ferromagnetic shape memory a. Chinese Physics B, 2017, 26, 097501.	1.4	5

#	ARTICLE	IF	CITATIONS
19	INFLUENCE OF ION BEAM IRRADIATION ON STRUCTURAL, MAGNETIC AND ELECTRICAL CHARACTERISTICS OF Ho-DOPED AlN THIN FILMS. <i>Surface Review and Letters</i> , 2017, 24, 1750021.	1.1	10
20	Realization of magnetostructural coupling by modifying structural transitions in MnNiSi-CoNiGe system with a wide Curie-temperature window. <i>Scientific Reports</i> , 2016, 6, 23386.	3.3	55
21	Structural, optical, and electrical characteristics of AlN:Ho thin films irradiated with 700 keV protons. <i>Applied Surface Science</i> , 2015, 357, 179-183.	6.1	24