

# Moaid K Hussain

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

260  
citations

1040056

9  
h-index

996975

15  
g-index

20  
all docs

20  
docs citations

20  
times ranked

115  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of Muscles Fatigue Based on Surface EMG Signals Using Machine Learning and Statistical Approaches: A Review. IOP Conference Series: Materials Science and Engineering, 2019, 705, 012010.	0.6	37
2	A new optimization strategy for wind/diesel/battery hybrid energy system. Energy, 2022, 239, 122458.	8.8	33
3	Investigations of the electronic and magnetic structures at Heusler alloy surface: Co <sub>2</sub> TiGe (0 0 1). Journal of Electron Spectroscopy and Related Phenomena, 2015, 203, 45-50.	1.7	29
4	Half-Metallic Properties in the New Ti <sub>2</sub> NiB Heusler Alloy. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3285-3291.	1.8	27
5	Investigations of the Electronic and Magnetic Structures of Zr <sub>2</sub> NiZ (Z=Ga, In, B) Heusler Compounds: First Principles Study. Journal of Electronic Materials, 2018, 47, 6221-6228.	2.2	22
6	Half-metallic properties of the new Ti <sub>2</sub> YPb (Y = Co, Fe) Heusler alloys. International Journal of Modern Physics B, 2015, 29, 1550175.	2.0	18
7	Theoretical study of surface properties of new (0 0 1)- and (1 1 1)-surface YCoCrGe quaternary Heusler compounds. Thin Solid Films, 2018, 663, 100-104.	1.8	14
8	Investigations of the electronic and magnetic properties of newly (001) surface LiCrS and LiCrSe half-Heusler compounds. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	13
9	Surface properties of the half-metallicity in ternary compounds: Fe(Cr,Mn)As based on different correlations. Journal of Magnetism and Magnetic Materials, 2019, 478, 227-233.	2.3	12
10	Spin polarization calculations and related properties of the surfaces of CoVTe alloy and interface with a BeTe semiconductor. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	10
11	Effects of Strain on the Half-Metallic and Elastic Properties of FeCrTe and CoCrSi with Cl <sub>2</sub> Structure. Spin, 2019, 09, .	1.3	7
12	Electronic, magnetic, and optical properties of bulk and (1 1 1)-surfaces of CoMnZnSi quaternary Heusler alloy. Journal of Magnetism and Magnetic Materials, 2021, 539, 168425.	2.3	7
13	Half-metallic properties of the new Zr <sub>2</sub> RhB inverse Heusler alloy with CuHg <sub>2</sub> Ti <sup>6</sup> -type structure. Materials Today: Proceedings, 2019, 18, 2590-2594.	1.8	6
14	Investigations of the stability, electronic and magnetic structures in the Zr <sub>2</sub> Ni-based Heusler compounds: First principles study. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 264, 114922.	3.5	6
15	The effect of Cr impurity and Zn vacancy on electronic and magnetic properties of ZnSe crystal. Physics and Chemistry of Solid State, 2021, 22, 529-534.	0.8	4
16	Brain Tumour Isolation in MRI Images Based on Statistical Properties and Morphological Process Techniques. Journal of Physics: Conference Series, 2019, 1279, 012018.	0.4	3
17	HALF-METALLICITY OF BULK AND (001) SURFACE IN THE Co <sub>2</sub> FeGa HEUSLER COMPOUND:A THEORETICAL STUDY. Surface Review and Letters, 2020, 27, 1950130.	1.1	3
18	Stability, electronic-magnetic, dynamical and optical properties of the Mn <sub>1-x</sub> P alloy based on the D0 <sub>19</sub> -Type. Optik, 2021, 226, 165948.	2.9	3

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19	(111), (001), and (110) surface effects on the stability and electronic-magnetic properties of Mn <sub>3</sub> P alloy. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 131, 114717.	2.7	3
20	Surface effects on the electronic and optical properties of the Mn <sub>3</sub> P alloy for optoelectronic applications. <i>Optik</i> , 2021, 242, 166667.	2.9	3