

Mohammad Rostami

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The effect of lanthanum substitution on the structural, magnetic, and dielectric properties of nanocrystalline Mn-Ni spinel ferrite for radio frequency (RF) applications. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 446, 128285.	2.1	11
2	An investigation on the microwave absorption properties of Co-Al-Ti substituted barium hexaferrite-MWCNT nanocomposites. <i>Journal of Alloys and Compounds</i> , 2021, 872, 159656.	5.5	14
3	DFT+U study of the bulk and (001), (110) and (111) surfaces of NaCrAs half-Heusler alloy with hydrogen adsorption for spintronics applications. <i>Vacuum</i> , 2020, 175, 109278.	3.5	21
4	Bulk and surface DFT investigations of the electronic and magnetic properties of CsXNO ($X = \text{P, As}$) half-Heusler compounds. <i>Materials Chemistry and Physics</i> , 2020, 248, 122923.	4.0	15
5	The dielectric, magnetic and microwave absorption properties of Cu-substituted Mg-Ni spinel ferrite-MWCNT nanocomposites. <i>Ceramics International</i> , 2019, 45, 7606-7613.	4.8	53
6	Half-metallic property of the bulk and (001) surfaces of MNaCs ($M = \text{P, As}$) half-Heusler alloys: A density functional theory approach. <i>Surface Science</i> , 2018, 674, 103-114.	1.9	22
7	First-Principles Investigation of Electronic, Half-Metallic, and Optical Properties of Ti-Doped MgTe Semiconductors with Various Concentrations of Dopant. <i>Journal of Electronic Materials</i> , 2018, 47, 2565-2575.	2.2	10
8	Structural, electronic, magnetic and vibrational properties of half-Heusler NaZrZ ($Z = \text{P, As, Sb}$) compounds. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 3004-3011.	2.1	37
9	Structural, magnetic, and microwave absorption properties of Mg-Ti-Zr-Co-substituted barium hexaferrites nanoparticles synthesized via sol-gel auto-combustion method. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 82, 783-794.	2.4	13
10	Structural, Electronic and Magnetic Properties of NaKZ ($Z = \text{N, P, As, and Sb}$) Half-Heusler Compounds: a First-Principles study. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 989-997.	1.8	29
11	Effect of Substitution of Mn, Cu, and Zr on the Structural, Magnetic, and Ku-Band Microwave-Absorption Properties of Strontium Hexaferrite Nanoparticles. <i>Journal of Electronic Materials</i> , 2016, 45, 4154-4161.	2.2	16
12	Characterization of magnetic and microwave absorption properties of multi-walled carbon nanotubes/Mn-Cu-Zr substituted strontium hexaferrite nanocomposites. <i>Materials Research Bulletin</i> , 2016, 83, 379-386.	5.2	34
13	First principle study of structural, electronic and magnetic properties of half-Heusler IrCrZ ($Z = \text{Ge}$). <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 215-226.	4.0	43
14	Magnetic and microwave absorption properties of BaMg ₂ Mn _x Co _x Ti ₂ Fe ₁₂ O ₁₉ hexaferrite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 402, 20-27.	2.3	88
15	Electronic and Magnetic Properties of the Bulk and Surfaces of Rock salt KM ($M = \text{Se and Te}$): A Density Functional Theory Study. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 215-226.	1.8	4
16	Structural, magnetic and microwave absorption properties of doped Ba-hexaferrite nanoparticles synthesized by co-precipitation method. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 381, 1-9.	2.3	166
17	The electronic, magnetic and optical properties of Cr-doped MC ($M = \text{Si, Ge and Sn}$): A density functional theory approach. <i>Materials Science in Semiconductor Processing</i> , 2015, 38, 218-227.	4.0	19
18	Proposing a Algorithm for Finding Repetitive Patterns in Web Dataflow. <i>International Journal of Software Engineering and Its Applications</i> , 2015, 9, 181-192.	0.2	12