

Abdel Ghafour El Hachimi

List of Publications by Year in descending order

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26
papers

378
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840776

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26
all docs

26
docs citations

26
times ranked

443
citing authors

#	ARTICLE	IF	CITATIONS
1	Fano factor in self-similar multibarrier structure based on graphene monolayer. Journal of Applied Physics, 2022, 131, 024303.	2.5	3
2	Theoretical Study of Thermoelectric Transport Properties of Dicalcium Silicide and Dicalcium Germanide Compounds. EAI/Springer Innovations in Communication and Computing, 2022, , 43-52.	1.1	1
3	Tailoring nanostructured materials based on I^3 -graphyne monolayers modified with Au heteroatoms for application in energy storage devices: A first principle study. Applied Surface Science, 2022, 598, 153771.	6.1	4
4	Understanding the interaction between heteroatom-doped carbon matrix and Sb ₂ S ₃ for efficient sodium-ion battery anodes. Journal of Colloid and Interface Science, 2021, 585, 649-659.	9.4	27
5	Enhanced optical absorption of rutile TiO ₂ through (Sm, C) codoping: a first-principles study. Optical and Quantum Electronics, 2021, 53, 1.	3.3	11
6	Exploring the enhanced performance of Sb ₂ S ₃ /doped-carbon composites as potential anode materials for sodium-ion batteries: A density functional theory approach. International Journal of Quantum Chemistry, 2021, 121, e26779.	2.0	7
7	First-principles study of electronic magnetic and optical properties of black phosphorene adsorbed with Ti and S. Superlattices and Microstructures, 2020, 146, 106673.	3.1	7
8	Calculation of the electronic, nuclear, rotational, and vibrational stopping cross sections for H atoms irradiation on H ₂ , N ₂ and O ₂ gas targets at low collision energies. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 135203.	1.5	1
9	Enhancing optical absorption in visible light of ZnO co-doped with europium and promethium by first-principles study through modified Becke and Johnson potential scheme. Journal of Rare Earths, 2019, 37, 416-421.	4.8	13
10	Investigation of electronic and magnetic properties of FeS: First principle and Monte Carlo simulations. Solid State Communications, 2018, 274, 46-50.	1.9	6
11	Comparative study of electronic and optical properties of graphene and germanene: DFT study. Optik, 2018, 158, 693-698.	2.9	25
12	Kinetic Phase Transition in the Semi-infinite Spin-1 Ising Model Under a Periodically Oscillating Magnetic Field. Journal of Superconductivity and Novel Magnetism, 2018, 31, 805-814.	1.8	1
13	Mixed spin-1 and spin-3/2 Blume-Emery-Griffiths model with external field on a honeycomb lattice. Superlattices and Microstructures, 2018, 123, 1-11.	3.1	7
14	First-Principles Calculations of van der Waals and Spin Orbit Effects on the Two-Dimensional Topological Insulator Stanene and Stanene on Ge(111) Substrate. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2579-2588.	1.8	10
15	Kinetic phase transitions for the semi-infinite Ising model with bulk $S = 1$ and a free surface $J_f = 12$ under an oscillating magnetic field. Physica A: Statistical Mechanics and Its Applications, 2018, 511, 207-217.	2.6	3
16	Electronic optical, properties and widening band gap of graphene with Ge doping. Optical and Quantum Electronics, 2017, 49, 1.	3.3	39
17	Experimental and theoretical investigation of Nd doped ZnO. Journal of Magnetism and Magnetic Materials, 2017, 444, 416-420.	2.3	14
18	Ferromagnetism and Electronic Structure in Manganese Doped YCrO ₃ Perovskite Oxide: Ab Initio Study. Journal of Superconductivity and Novel Magnetism, 2017, 30, 483-488.	1.8	6

#	ARTICLE	IF	CITATIONS
19	Random crystal field effect on the kinetic spin-3/2 Blume-Çapel model under a time-dependent oscillating field. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 458, 248-258.	2.6	4
20	Comparative study between TB-mBJ and GGA+U on magnetic and optical properties of CdFe ₂ O ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 393, 183-187.	2.3	45
21	Optical properties of ZnTe doped with transition metals (Ti, Cr and Mn). <i>Optical and Quantum Electronics</i> , 2014, 46, 75-86.	3.3	24
22	Kinetic phase transition in the semi-infinite Ising model under an oscillating field. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 410, 370-379.	2.6	8
23	Ferromagnetism induced by oxygen related defects in CeO ₂ from first principles study. <i>Computational Materials Science</i> , 2014, 85, 134-137.	3.0	17
24	First-principles prediction of the magnetism of 4f rare-earth-metal-doped wurtzite zinc oxide. <i>Journal of Rare Earths</i> , 2014, 32, 715-721.	4.8	65
25	Electronic structure and X-ray magnetic circular dichroic of Neodymium doped ZnTe using the GGA + U approximation. <i>Computational Materials Science</i> , 2014, 93, 91-96.	3.0	13
26	Magnetic Properties of SrO Doped with 3d Transition Metals. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 203-208.	1.8	17