

# Abdel Ghafour El Hachimi

## List of Publications by Year in descending order

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26  
papers

378  
citations

840776

11  
h-index

794594

19  
g-index

26  
all docs

26  
docs citations

26  
times ranked

443  
citing authors

#	ARTICLE	IF	CITATIONS
1	First-principles prediction of the magnetism of 4f rare-earth-metal-doped wurtzite zinc oxide. Journal of Rare Earths, 2014, 32, 715-721.	4.8	65
2	Comparative study between TB-mBJ and GGA+U on magnetic and optical properties of CdFe <sub>2</sub> O <sub>4</sub> . Journal of Magnetism and Magnetic Materials, 2015, 393, 183-187.	2.3	45
3	Electronic optical, properties and widening band gap of graphene with Ge doping. Optical and Quantum Electronics, 2017, 49, 1.	3.3	39
4	Understanding the interaction between heteroatom-doped carbon matrix and Sb <sub>2</sub> S <sub>3</sub> for efficient sodium-ion battery anodes. Journal of Colloid and Interface Science, 2021, 585, 649-659.	9.4	27
5	Comparative study of electronic and optical properties of graphene and germanene: DFT study. Optik, 2018, 158, 693-698.	2.9	25
6	Optical properties of ZnTe doped with transition metals (Ti, Cr and Mn). Optical and Quantum Electronics, 2014, 46, 75-86.	3.3	24
7	Ferromagnetism induced by oxygen related defects in CeO <sub>2</sub> from first principles study. Computational Materials Science, 2014, 85, 134-137.	3.0	17
8	Magnetic Properties of SrO Doped with 3d Transition Metals. Journal of Superconductivity and Novel Magnetism, 2014, 27, 203-208.	1.8	17
9	Experimental and theoretical investigation of Nd doped ZnO. Journal of Magnetism and Magnetic Materials, 2017, 444, 416-420.	2.3	14
10	Electronic structure and X-ray magnetic circular dichroic of Neodymium doped ZnTe using the GGA + U approximation. Computational Materials Science, 2014, 93, 91-96.	3.0	13
11	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
12	Enhanced optical absorption of rutile TiO <sub>2</sub> through (Sm, C) codoping: a first-principles study. Optical and Quantum Electronics, 2021, 53, 1.	3.3	11
13	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
14	Kinetic phase transition in the semi-infinite Ising model under an oscillating field. Physica A: Statistical Mechanics and Its Applications, 2014, 410, 370-379.	2.6	8
15	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
16	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
17	Exploring the enhanced performance of Sb <sub>2</sub> S <sub>3</sub> /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
18	Ferromagnetism and Electronic Structure in Manganese Doped YCrO <sub>3</sub> Perovskite Oxide: Ab Initio Study. Journal of Superconductivity and Novel Magnetism, 2017, 30, 483-488.	1.8	6

#	ARTICLE	IF	CITATIONS
19	Investigation of electronic and magnetic properties of FeS: First principle and Monte Carlo simulations. Solid State Communications, 2018, 274, 46-50.	1.9	6
20	Random crystal field effect on the kinetic spin-3/2 Blume-â€œCapel model under a time-dependent oscillating field. Physica A: Statistical Mechanics and Its Applications, 2016, 458, 248-258.	2.6	4
21	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
22	Kinetic phase transitions for the semi-infinite Ising model with bulk $S = 1$ and a free surface $\Gamma_f=12$ under an oscillating magnetic field. Physica A: Statistical Mechanics and Its Applications, 2018, 511, 207-217.	2.6	3
23	Fano factor in self-similar multibarrier structure based on graphene monolayer. Journal of Applied Physics, 2022, 131, 024303.	2.5	3
24	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
25	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
26	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