



قسم الفيزياء – كلية العلوم – جامعة البصرة
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1	SM Mohi, HL Saadon, AA Khalaf	AIP Conference Proceedings 2386 (1)	Polarized laser trapping for measuring optical rotation of red blood cells in sickle cell disease and response to hydroxyurea treatment
2	SM Mohi, HL Saadon, AA Khalaf	Biochemical and Biophysical Research Communications 554, 222-228	Single laser trapping for optical folding and rotation of red blood cells in sickle cell disease in response to hydroxyurea treatment
3	SM Mohi, HL Saadon, AA Khalaf	Biophysical Reviews 13 (2), 173-184	Laser tweezers as a biophotonic tool to investigate the efficacy of living sickle red blood cells in response to optical deformation
4	Z Zada, AA Khan, R Zada, AH Reshak, G Murtaza, M Saqib, MM Ramli, ...	Indian Journal of Physics 96 (11), 3151-3159	First-principles calculations to investigate variation of cationic-ligand LmAl ₂ Ge ₂ (Lm = Ca, Y, La and Ce)
5	AA Khan, Z Zada, AH Reshak, J Akbar, M Saqib, MA Naeem, M Ismail, ...	Chinese Journal of Physics 77, 956-964	Effects of anion-ligands replacement on the structural, electronic and magnetic properties of ThCo ₂ X ₂ (X= Si, Ge)
6	R Ullah, MA Ali, KMS Katubi, NS Alsaiari, KM Abualnaja, AS Verma, ...	Inorganic Chemistry Communications 139, 109315	Modeling of bulk modulus of A ₂ BX ₆ cubic crystals (A= K, Cs, Rb, TI, NH ₄ ; B= tetravalent cation; X= F, Cl, Br, I) using semi-empirical model
7	AA Khan, AH Reshak, Z Zada, M Saqib, Z Abbas, M Ismail, S Zada, ...	The European Physical Journal Plus 137 (3), 351	Thermoelectric, structural, electronic, magnetic, and thermodynamic properties of CaZn ₂ Ge ₂ compound
8	Z Zada, AA Khan, AH Reshak, M Ismail, S Zada, G Murtaza, M Saqib, ...	Journal of Molecular Structure 1252, 132136	Cationic variation for LnAl ₂ Si ₂ (Ln= Y, Sm, Tb, Dy, Yb) compounds by density functional theory
9	M Husain, N Rahman, R Khan, S Zulfiqar, SA Khattak, SN Khan, M Sohail, ...	International Journal of Energy Research 46 (3), 2446-2453	Structural, electronic, elastic, and magnetic properties of NaQF ₃ (Q = ag, Pb, Rh, and Ru) flouperovskites: A first-principle outcomes
10	M Arif, AH Reshak, SU Zaman, M Husain, N Rahman, SA Ahmad, ...	International Journal of Energy Research 46 (3), 2467-2476	Density functional theory based study of the physical properties of cesium based cubic halide perovskites CsHgX ₃ (X=F and Cl)
11	J Saddique, M Husain, N Rahman, R Khan, A Iqbal, M Sohail, SA Khattak, ...	Materials Science in Semiconductor Processing 139, 106345	Modeling structural, elastic, electronic and optical properties of ternary cubic barium based fluoroperovskites MBaF ₃ (M= Ga and In) compounds based on DFT
12	B Merabet, AJH Almaliky, AH Reshak, MM Ramli, J Bila	Journal of Molecular Structure 1248, 131462	Dielectric absorption correlated to ferromagnetic behavior in (Cr, Ni)-codoped 4H-SiC for microwave applications

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