

PEER-REVIEWED PUBLICATIONS

- Regmi, B., Cocconcelli, M., Miertschin, D., Salinas, D.P., Panchal, G., Kandel, P., Pandey, K., **Ogunniranye, I.**, Mueller, R., Yao, L. and Valvidares, M., (2024). [Epitaxial growth and magnetic characterization of orthorhombic \$\text{Ho}\(\text{Ni}_{0.2}\text{Co}_{0.2}\text{Fe}_{0.2}\text{Mn}_{0.2}\text{Cr}_{0.2}\)\text{O}_3\$ high-entropy oxide perovskite thin films.](#) *Journal of Magnetism and Magnetic Materials*. Vol. 613: 172673.
- Ogunniranye, I. B.**, Atsue, T., and Oyewande, O. E. (2021). [Structural and optoelectronic behavior of the copper-doped double perovskite: A density functional theory investigation.](#) *Physical Review B*. Vol. 103(2): 024102.
- Atsue, T., **Ogunniranye, I. B.**, and Oyewande, O. E. (2021). [Investigation of material properties of halide mixed lead-free double perovskite for optoelectronic applications using first-principles study.](#) *Materials Science in Semiconductor Processing*. Vol. 133: 105963.
- Ogunniranye, I. B.**, Oyewande, O. E., Atsue, T., and Usikalu, M. (2021). [Influence of Transition Metal Doping on the Structural and Electronic Behaviour of Quaternary Double Perovskite, \$\text{Cs}_2\text{AgInCl}_6\$, using First-Principles Calculations.](#) *IOP Conf. Ser.: Earth Environ. Sci.* Vol. 655: 012046.
- Oyewande, O. E., Atsue, T., **Ogunniranye, I. B.**, and Usikalu, M. (2021). [Prediction of Lattice Constants of some Transition Metal Nitrides using Different Functionals and Pseudopotentials.](#) *IOP Conf. Ser.: Earth Environ. Sci.* Vol. 655: 012045.
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- Atsue, T., **Ogunniranye, I. B.**, and Oyewande, O. E. (2020). [A Study of the Structural and Magnetic Properties of Nitrides of Iron and Nickel \(XN; X=Fe,Ni\) Using Density Functional Theory Approach.](#) *Electron. Struct.* Vol. 2(4): 045002.
- Atsue, T., Oyewande, O. E., and **Ogunniranye, I. B.** (2019). [Review of Recent Progress in Fine-tuning the Physical Properties of Perovskite Materials.](#) *Proceedings of the 4th International Conference on Scientific Research in Nigeria, 20 – 23 May, 2019.* 41 – 52pp.