PEER-REVIEWED PUBLICATIONS

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, Cs2AgInCl6, 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.

Atsue, T., Oyewande, O. E., **Ogunniranye, I. B.**, and Aizebeokhai, A. P. (2021). Density Functional Theory Approach to the Study of the Structural Stability of Nitrides of Iron and Nickel. *IOP Conf. Ser.: Earth Environ. Sci.* Vol. 655: 012055.

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.

CONFERENCE PROCEEDINGS

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.