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RESEARCH

Areas Aerospace Engineering · Oceanography · Astronomy and Astrophysics · Media Technology · Building and Construction · Civil and Structural Engineering

RESEARCH SUMMARY

14	99	5	3	4.62	36%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 14 publications listed below, 2007–2024. Field-weighted impact is the mean over the 14 works scored for it; 1.00 is the world average for works of the same field, type and year. 5 of the 14 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 14

1. Tangwam M, Acheampong AA, **Fosu C** (2024). Analysis of 3D positions processed from CORS in southern Ghana. *International Journal of Science and Research Archive*. https://doi.org/10.30574/ijsra.2024.11.2.0470
2. Osman Mohammed Abukari1, Akwasi Afrifa Acheampong, **Collins Fosu** (2022). Analysis of GNSS baseline solutions in Ghana. *South African Journal of Geomatics*. https://doi.org/10.4314/sajg.v8i1.1
3. Samuel Osah, Akwasi Afrifa Acheampong, Isaac Dadzie, **Collins Fosu** (2022). Comparative evaluation and analysis of different tropospheric delay models in Ghana. *South African Journal of Geomatics*. https://doi.org/10.4314/sajg.v10i2.10
4. S. Osah, A. A. Acheampong, **C. Fosu**, I. Dadzie (2021). Comparative analysis of blind tropospheric correction models in Ghana. *Journal of Geodetic Science*. https://doi.org/10.1515/jogs-2020-0104
5. Samuel Osah, Akwasi A. Acheampong, **Collins Fosu**, Isaac Dadzie (2021). Deep learning model for predicting daily IGS zenith tropospheric delays in West Africa using TensorFlow and Keras. *Advances in Space Research*. https://doi.org/10.1016/j.asr.2021.04.039
6. Samuel Osah, Akwasi A. Acheampong, **Collins Fosu**, Isaac Dadzie (2021). Evaluation of Zenith Tropospheric Delay Derived from Ray-Traced VMF3 Product over the West African Region Using GNSS Observations. *Advances in Meteorology*. https://doi.org/10.1155/2021/8836806
7. Acheampong, Bright, **Fosu, Collins** (2021). Integration of Spatial technology and Web Application for Revenue Mobilization. *DOAJ (DOAJ: Directory of Open Access Journals)*. https://doi.org/10.48346/imist.prsm/ajlp-gs.v4i5.26616
8. Samuel Osah, Akwasi A. Acheampong, **Collins Fosu**, Isaac Dadzie (2021). Regression models for predicting daily IGS zenith tropospheric delays in West Africa: Implication for GNSS meteorology and positioning applications. *Meteorological Applications*. https://doi.org/10.1002/met.2030
9. A.A. Acheampong, **C. Fosu**, L.K. Amekudzi, E. Kaas (2017). Precipitable water comparisons over Ghana using PPP Techniques and reanalysis data. *South African Journal of Geomatics*. https://doi.org/10.4314/sajg.v6i3.13
10. C. Y. Asante, A. A. Acheampong, **C. Fosu** (2016). INVESTIGATION OF HORIZONTAL AND VERTICAL CONTROLS ON KNUST CAMPUS. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/

just.v36i2.7

11. A. A. Acheampong, **C. Fosu**, L. K. Amekudzi, E. Kaas (2015). Comparison of precipitable water over Ghana using GPS signals and reanalysis products. *Journal of Geodetic Science*. https://doi.org/10.1515/jogs-2015-0016
12. J Ayer, **C Fosu** (2008). Map Coordinate Referencing and the use of GPS Datasets in Ghana. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v28i1.33084
13. **C Fosu**, FW Derby (2008). Reconciling Cadastral Records in a Dual Land Registration System in Ghana. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v28i1.33085
14. **C Fosu**, Y Poku-Gyamfi, G W Hein (2007). Global navigation satellite system (GNSS): a utility for sustainable development in Ghana. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v27i2.33049