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RESEARCH

Areas Computational Theory and Mathematics · Statistical and Nonlinear Physics · Artificial Intelligence · Economics and Econometrics · Geometry and Topology · Sociology and Political Science

RESEARCH SUMMARY

13	97	3	3	0.82	15%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 13 publications listed below, 2008–2024. Field-weighted impact is the mean over the 13 works scored for it; 1.00 is the world average for works of the same field, type and year. 2 of the 13 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 13

1. Kwame Owusu Bempah, **Kwasi Baah Gyamfi**, Francis Ohene Boateng, Isaac Owusu-Mensah (2024). A Modified AES-512 Bits Algorithm for Data Encryption. *European Journal of Pure and Applied Mathematics*. https://doi.org/10.29020/nybg.ejpam.v17i2.5114
2. Patrick Akwasi Anamuah Mensah, William Obeng-Denteh, **Kwasi Baah Gyamfi** (2022). Periodic Point as a Recurrent Formation Using the Logistic Function: A Survey. *Momona Ethiopian Journal of Science*. https://doi.org/10.4314/mejs.v14i2.5
3. Patrick Akwasi Anamuah Mensah, William Obeng-Denteh, Ibrahim Issaka, **Kwasi Baah Gyamfi**, Joshua Kiddy K. Asamoah (2022). Using the Logistic Map as Compared to the Cubic Map to Show the Convergence and the Relaxation of the Period−1 Fixed Point. *International Journal of Mathematics and Mathematical Sciences*. Retracted. https://doi.org/10.1155/2022/1255614
4. Jonathan Kwaku Afriyie, Sampson Twumasi-Ankrah, **Kwasi Baah Gyamfi**, Doris Arthur, Wilhemina Adoma Pels (2020). Evaluating the Performance of Unit Root Tests in Single Time Series Processes. *Mathematics and Statistics*. https://doi.org/10.13189/ms.2020.080605
5. **Kwasi Baah Gyamfi**, Emmanuel Akweittey, Matilda Adusei Sarpong (2020). Galois Fields and some of its Applications. *International Journal of Scientific and Research Publications*. https://doi.org/10.29322/ijsrp.10.05.2020.p10139
6. Emmanuel Akweittey, **Kwasi Baah Gyamfi**, Gabriel Obed Fosu (2019). Solubility Existence of Inverse Eigenvalue Problem for a Class of Singular Hermitian Matrices. *Journal of Mathematics and System Science*. https://doi.org/10.17265/2159-5291/2019.05.001
7. **Kwasi Baah Gyamfi**, Abraham Aidoo, Dickson Y. B. Annor (2017). Homological Properties in Relation to Nakayama Algebras. *Journal of Applied Mathematics and Physics*. https://doi.org/10.4236/jamp.2017.51016
8. Yarhands Dissou Arthur, **Kwasi Baah Gyamfi**, Simon Kojo Appiah (2013). Probability Distributional Analysis of Hourly Solar Irradiation in Kumasi-Ghana. *RePEc: Research Papers in Economics*. https://doi.org/10.18533/ijbsr.v3i3.57
9. Baah, Amo, Mensah, Ata, **Gyamfi**, **Kwasi**, Boampong, Nyarko (2013). Replicating Pan-Africanism in Ghana: Challenges and Opportunities in Contemporary Contexts. *Zenodo (CERN European Organization for Nuclear*

Research). https://doi.org/10.5281/zenodo.19010353

10. Anthony Y. Aidoo, **Kwasi Baah Gyamfi**, Joseph Ackora-Prah, Francis T. Oduro (2013). Solvability of Inverse Eigenvalue Problem for Dense Singular Symmetric Matrices. *Advances in Pure Mathematics*. https://doi.org/10.4236/apm.2013.31003
11. Afariña, Sakya Kofi, **Gyamfi, Kwasi Kwadwo**, Owusu, Abena Adjoah (2011). Customary Law and Statutory Disputes in Ghanaian Family Matters: A Normative Interface Analysis. *Zenodo (CERN European Organization for Nuclear Research)*. https://doi.org/10.5281/zenodo.18940441
12. Oduro, Yaw, Baffour, Adoo, Ameyaw, Logah, **Gyamfi, Kwasi** (2009). Data Sovereignty in Southern Africa: Crafting Cyberlaw and Data Protection Frameworks. *Zenodo (CERN European Organization for Nuclear Research)*. https://doi.org/10.5281/zenodo.18899632
13. Owusu, Ameyaw, Ampofo, Atewia, Asare, Yaw, **Gyamfi, Kwasi** (2008). Economic Stability Modelling through Livestock Insurance Coverage among Smallholder Farmers in Northern Ghana: A Methodological Approach. *Zenodo (CERN European Organization for Nuclear Research)*. https://doi.org/10.5281/zenodo.18879584