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RESEARCH

Interests	ALGEBRA AND STOCHASTIC ANALYSIS
Areas	Computational Theory and Mathematics · Management Science and Operations Research · Artificial Intelligence · Demography · Finance · General Economics, Econometrics and Finance

RESEARCH SUMMARY

7	19	3	0	0.28	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 7 publications listed below, 2014–2018. Field-weighted impact is the mean over the 5 works scored for it; 1.00 is the world average for works of the same field, type and year. 0 of the 5 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 7

1. **Yao Elikem Ayekple**, Charles Kofi Tetteh, Prince Kwaku Fefemwole (2018). Markov Chain Monte Carlo Method for Estimating Implied Volatility in Option Pricing. *Journal of Mathematics Research*. https://doi.org/10.5539/jmr.v10n6p108
2. Joseph Ackora-Prah, Robert K. Acquah, **Yao Elikem Ayekple** (2016). Mathematical Morphological Distributive Concepts over Unions and Intersections. *Advances in Pure Mathematics*. https://doi.org/10.4236/apm.2016.610052
3. **Yao Elikem Ayekple**, Derrick Asamoah Owusu, Nana Kena Frempong, Prince Kwaku Fefemwole (2016). The Fundamental Matrix of the Simple Random Walk with Mixed Barriers. *Journal of Mathematics Research*. https://doi.org/10.5539/jmr.v8n6p128
4. Joseph Ackora-Prah, **Yao Elikem Ayekple**, Robert Kofi Acquah, Perpetual Saah Andam, Eric Adu Sakyi, Daniel Gyamfi (2015). Revised Mathematical Morphological Concepts. *Advances in Pure Mathematics*. https://doi.org/10.4236/apm.2015.54019
5. **Yao Elikem Ayekple**, Emmanuel Harris, Nana Kena Frempong, Joshua Amevialor (2015). Time Series Analysis of the Exchange Rate of the Ghanaian Cedi to the American Dollar. *Journal of Mathematics Research*. https://doi.org/10.5539/jmr.v7n3p46
6. J Ackora-Prah, A Sakyi, **YE Ayekple** (2014). A bilayer feed-forward artificial neural network for exchange rate prediction. *AUS. J. Applied Math.*. https://www.researchgate.net/profile/Adu-Sakyi/publication/326238892_A_Bilayer_Feed-Forward_Artificial_Neural_Network_for_Exchange_Rate_Prediction/links/5d337ab34585153e5913ce1e/A-Bilayer-Feed-Forward-Artificial-Neural-Network-for-Exchange-Rate-Prediction.pdf
7. W Obeng-Denteh, **YE Ayekple** (2014). On the Construction of special metrics involving Levenshtein and Hamming distances. *European Journal of Academic Essays*. https://www.researchgate.net/profile/Yao-Ayekple/publication/306091885_On_the_Construction_of_special_metrics_involving_Levenshtein_and_Hamming_distances/links/57af7cac08ae15c76cb8407e/On-the-Construction-of-special-metrics-involving-Levenshtein-and-Hamming-distances.pdf