Justice Kwabena Sarfo

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RESEARCH

Interests	biomolecules · biochemical methods · protein structure
Areas	Plant Science · Endocrinology, Diabetes and Metabolism · Molecular Biology · Agronomy and Crop Science · Aquatic Science · Biochemistry

RESEARCH SUMMARY

27	443	12	14	0.99	11%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 27 publications listed below, 1994–2020. Field-weighted impact is the mean over the 9 works scored for it; 1.00 is the world average for works of the same field, type and year. 1 of the 9 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 26

1. Michael K. Miyittah, Samuel Kofi Tulashie, Francis W. Tsyawo, **Justice K. Sarfo**, Archibald A. Darko (2020). Assessment of surface water quality status of the Aby Lagoon System in the Western Region of Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2020.e04466
2. Michael Buenor Adinortey, Charles Ansah, Benjamin Aboagye, **Justice Kwabena Sarfo**, Orleans Martey, Alexander Kwadwo Nyarko (2020). Flavonoid-Rich Extract of Dissotis rotundifolia Whole Plant Protects against Ethanol-Induced Gastric Mucosal Damage. *Biochemistry Research International*. https://doi.org/10.1155/2020/7656127
3. Enoch T Quayson, **Justice K Sarfo** (2020). Physicochemical properties of fresh and dried kenkey aflata-mixes. *Cereals & Grains 20*. https://aaccnet.confex.com/aaccnet/2020/meetingapp.cgi/Paper/5496
4. Michael Buenor Adinortey, **Justice Kwabena Sarfo**, Cynthia Ayefoumi Adinortey, Eric Gyamerah Ofori, Jeffrey Kwarteng, Justice Afrifa, Fobi Adjei Owusu (2018). Inhibitory effects of Launaea taraxacifolia and Strychnos spinosa leaves extract on an isolated digestive enzyme linked to type -2 -diabetes mellitus. *Journal of Biology and Life Science*. https://doi.org/10.5296/jbls.v9i2.12649
5. Elvis Asare-Bediako, Faustina Agyarko, Kingsley Taah, Aaron Asare, **Justice Sarfo**, Kwame Frimpong, Joseph Nyarko (2018). Prevalence of Mosaic and Leaf Curl Diseases of Okra (Abelmoschus esculentus L. Moench) in the Central Region of Ghana. *Journal of Experimental Agriculture International*. https://doi.org/10.9734/jeai/2018/37421
6. Michael Buenor Adinortey, **Justice Kwabena Sarfo**, Jeffery Kwarteng, Cynthia Ayefoumi Adinortey, William Ekloh, Lydia Enyonam Kuatsienu, Alexander Kwadwo Nyarko (2018). The Ethnopharmacological and Nutraceutical Relevance of Launaea taraxacifolia (Willd.) Amin ex C. Jeffrey. *Evidence-based Complementary and Alternative Medicine*. https://doi.org/10.1155/2018/7259146
7. Raphael Lartey Abban, **Justice Kwabena Sarfo** (2017). Steeping of Whole Dried Maize Seeds in Buffers Altered Fatty Acid Ionization State, Composition, and Lipase Activity. *Food and Nutrition Sciences*. https://doi.org/10.4236/fns.2017.811071
8. **JUSTICE KWABENA SARFO** (2017). Variation in the susceptibility of okra (Abelmoschus esculentus L. Moench) genotypes to okra mosaic virus and Podagrica species under field conditions. *Journal of Plant*

Breeding and Crop Science. https://academicjournals.org/journal/JPBCS/article-full-text/F96D88664529

9. **Justice Kwabena Sarfo** (2016). Copper-paracetamol complexes: Promising lead. *African Journal of Pure and Applied*. https://scholar.google.com/scholar?cluster=15092782123579570 99&hl=en&oi=scholarr
10. **JUSTICE KWABENA SARFO** (2015). Catalase activity of cassava (Manihot esculenta) plant under African cassava mosaic virus infection in Cape coast, Ghana. *African Journal of Biotechnology*. https://www.academia.edu/download/84751808/article1429021522_Amoako_et_al.pdf
11. **Justice Sarfo**, Theresia Thalhammer (2015). H2O2-clearance Kinetics of Crude Catalase Preparations from Prostate Cancer Cell Lines Treated with Physiological and Synthetic Small Organic Ligands of PPAR-γ. *Journal of Advances in Medical and Pharmaceutical Sciences*. https://doi.org/10.9734/jamps/2016/20795
12. E Owusu-Mensah, I Oduro, **KJ Sarfo** (2014). Effect of air-rest treatment on rice malt. *Plant Science International*. https://www.academia.edu/download/50632788/OwusuMensah_et_al_2014_Effect_of_air-rest_treatment_on_rice_malt.pdf
13. A. Asare P., K. A. Galyuon I., Asare-Bediako E., **JK Sarfo**, P. Tetteh J. (2014). Phenotypic and molecular screening of cassava (Manihot esculentum Crantz) genotypes for resistance to cassava mosaic disease. *Journal of General and Molecular Virology*. https://doi.org/10.5897/jgmv2014.0056
14. **Kwabena J Sarfo** (2014). Unique photobleaching phenomena of the twin-arginine translocase respiratory enzyme chaperone DmsD. *The open biochemistry journal*. https://pmc.ncbi.nlm.nih.gov/articles/PMC3912628/
15. MB Adinortey, **JK Sarfo**, GE Adukpo, MA Ahmed (2012). Acute and sub-acute oral toxicity assessment of hydro-alcoholic root extract of Paullinia pinnata on haematological and biochemical parameters. *Biology and medicine*. https://go.gale.com/ps/i.do?id=GALE%7CA357969045&sid=googleScholar&v=2.1&it=r&linkaccess=abs&issn=09748369&p=AONE&sw=w
16. **JUSTICE KWABENA SARFO** (2012). Visible evidence for the formation of copper complexes in garlic extracts treated with copper sulfate and sodium nitrite mixture. *ScienceJet*. https://www.researchgate.net/profile/Ibok-Oduro/publication/233415570_Visible_evidence_for_the_formation_of_copper_complexes_in_garlic_extracts_treated_with_copper_sulfate_and_sodium_nitrite_mixture/links/0912f50eef57756eff000000/Visible-evidence-for-the-formation-of-copper-complexes-in-garlic-extracts-treated-with-copper-sulfate-and-sodium-nitrite-mixture.pdf
17. A Asare P, K A Galyuon I, **JK Sarfo**, P Tetteh J (2011). Morphological and molecular based diversity studies of some cassava (Manihot esculenta crantz) germplasm in Ghana. *AFRICAN JOURNAL OF BIOTECHNOLOGY*. https://doi.org/10.5897/ajb11.929
18. **Kwabena J Sarfo** (2006). Physical nature of signal peptide binding to DmsD. *Archives of biochemistry and biophysics*. https://www.sciencedirect.com/science/article/pii/S0003986106002918
19. **Kwabena J Sarfo** (2004). Folding forms of Escherichia coli DmsD, a twin-arginine leader binding protein. *Biochemical and biophysical research communications*. https://www.sciencedirect.com/science/article/pii/S0006291X04001159
20. **Kwabena Sarfo** (2003). A novel procedure for separating small peptides on polyacrylamide gels. *Letters in Peptide Science*. https://doi.org/10.1023/b:lips.0000032383.40916.e2
21. **KJ Sarfo** (1999). Author indexrJournal of Molecular Catalysis B: Enzymatic 6 1999 561–564 562. *Journal of Molecular Catalysis B: Enzymatic*. https://scholar.google.com/scholar?cluster=2428514688477572114&hl=en&oi=scholarr
22. **Kwabena J Sarfo** (1999). Glucosylation of benzyl alcohols by the cultured suspension cells of Nicotiana tabacum and Catharanthus roseus. *Journal of Molecular Catalysis B: Enzymatic*. https://www.sciencedirect.com/science/article/pii/S1381117798001271
23. **J Kwabena Sarfo** (1997). Synthesis and reactivity of the ferrocene-derived phosphine [Fe(η-C5H5){η-C5H4CH2P(CH2OH)2}]. *Journal of the Chemical Society, Dalton Transactions*. https://pubs.rsc.org/1d/article-abstract/26/22/4377/52280
24. **J Kwabena Sarfo** (1996). FcCH2P(CH2OH)2: a new, reactive yet air-stable ferrocene-derived phosphine [Fc =(η-C5H5)FeC5H4]. *Chemical Communications*. https://pubs.rsc.org/cc/article-abstract/32/13/1551/143234

25. **Kwabena Sarfo** (1995). Polymeric phosphine oxide polyether-derived copolymer as a support for urease immobilization. *Enzyme and microbial technology*. https://www.sciencedirect.com/science/article/pii/0141022994000926

26. **Kwabena Sarfo** (1994). A novel polymeric phosphine oxide-derived support for enzyme immobilisation. *Journal of the Chemical Society, Chemical Communications*. https://pubs.rsc.org/c3/article-abstract/30/3/245/136749

Reports 1

1. **Kwabena J Sarfo** (2015). A 'single point'experimental approach of assessing the inactivation kinetics of□-glucuronidase by aqueous-based leaf extractives notably used as enemas. *University of Cape Coast*. https://ir.ucc.edu.gh/items/7f22c9f0-5eb7-4de2-bdbb-29be7fd9312a