

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 Kuatsienue, 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*

9. Justice Kwabena Sarfo (2016). Copper-paracetamol complexes: Promising lead. *African Journal of Pure and Applied*. <https://scholar.google.com/scholar?cluster=1509278212357957099&hl=en&oi=scholar>
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/jgm2014.0056>
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 (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 index *Journal 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=scholar>
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 β -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>