yaw boahen

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RESEARCH

Interests	Organic Chemistry · Natural Products · Phytochemistry · Synthesis · Organic Spectroscopy
Areas	Plant Science · Molecular Biology · Organic Chemistry · Biochemistry · Biochemistry · Genetics

RESEARCH SUMMARY

21	944	8	8	0.89	20%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 21 publications listed below, 1998–2025. Field-weighted impact is the mean over the 10 works scored for it; 1.00 is the world average for works of the same field, type and year. 2 of the 10 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 19

1. Samuel Asiamah Obiri, Denzel Opoku-Kwabi, **Yaw Opoku-Boahen**, Francis Ackah Armah, Malcolm Patrick Fynn, Lawrence Sheringham Borquaye, Isaac Asiamah (2025). Crude alkaloids from Phyllanthus fraternus, Webster: Antibacterial, time-kill kinetics and resistance modulation studies. *Pharmacological Research - Natural Products*. https://doi.org/10.1016/j.prenap.2025.100312
2. VICTOR YA BARKU, **YAW OPOKU-BOAHEN** (2020). AJ Csian OURNALOF HEMISTRY AJ Csian OURNALOF HEMISTRY. *Asian Journal of Chemistry*. https://ir.ucc.edu.gh/server/api/core/bitstreams/56fca0f5-bebf-42e9-8341-a0a8e62af398/content
3. Victor Y.A. Barku, **Yaw Opoku-Boahen**, Vida Ackon (2020). Citrus sinensis Seed as a Potential Source of Quality Edible and Industrial Oil. *Asian Journal of Chemistry*. https://doi.org/10.14233/ajchem.2020.22559
4. PM Fynn, **Yaw Opoku-Boahen**, GE Adukpo, FA Armah (2016). Anti-inflammatory and antioxidant activities of canthinone alkaloids from Anthostema aubryanum (Baill). *Nat Prod Plant Resour*. https://www.researchgate.net/profile/Malcolm-Fynn/publication/302328395_Anti-inflammatory_and_antioxidant_activities_of_canthinone_alkaloids_from_Anthostema_aubryanum_Baill/links/5731fd7108ae9ace84047656/Anti-inflammatory-and-antioxidant-activities-of-canthinone-alkaloids-from-Anthostema-aubryanum-Baill.pdf
5. **Yaw Opoku Boahen** (2015). Colorimetric determination of carbohydrates in some brands of beer in Ghana as an indication of their glycemic index in the management of diabetes type II. *African Journal of Food Science and Technology*. https://doi.org/10.14303/ajfst.2015.066
6. Victor Yao Atsu Barku, **Yaw Opoku-Boahen**, Gertrude A Dali (2015). Ethnobotanical study of wound healing plants in Kpando Traditional Area, ghana. *International Journal of Phytomedicine*.
7. **Y Opoku-Boahen**, R Clemente, D Wubah (2014). Investigation of Cucumeropsis mannii N. seed oil as potential biodiesel feedstock. *International Journal of Biological and Chemical Sciences*. https://doi.org/10.4314/ijbcs.v7i4.32
8. **Yaw Opoku Boahen**, John Mann (2014). Synthesis and Evaluation of Quindoline and Its Analogue as Potential Anticancer Agents. *Chemistry of Natural Compounds*. https://doi.org/10.1007/s10600-014-0995-8
9. VYA Barku, **Y Opoku-Boahen** (2013). Available online at www. pelagiaresearchlibrary. com. *Asian Journal*

of Plant Science and Research. https://ir.ucc.edu.gh/server/api/core/bitstreams/c609ecca-3c0b-4fa7-a3db-4287b44b8e63/content

10. VYA Barku, **Yaw Opoku-Boahen**, N Dayie, F Mensah (2013). In-vitro assessment of antioxidant and antimicrobial activities of methanol extracts of six wound healing medicinal plants. *In-Vitro*. https://www.academia.edu/download/30633141/In-Vitro_Assessment_of_Antioxidant_and_Antimicrobial_Activities_of_Methanol_Extracts_of_Six_Wound_Healing_Medicinal_Plants.pdf
11. **Y Opoku-Boahen**, BD Novick, D Wubah (2013). Physicochemical characterization of traditional Ghanaian cooking oils, derived from seeds of Egusi (Citrullus colocynthis) and Werewere (Cucumeropsis manni). *International Journal of Biological and Chemical Sciences*. https://doi.org/10.4314/ijbcs.v7i1.34
12. John Prosper Kwaku Adotey, Genevieve Etornam Adukpo, **Yaw Opoku Boahen**, Frederick Ato Armah (2012). A Review of the Ethnobotany and Pharmacological Importance ofAlstonia booneiDe Wild (Apocynaceae). *ISRN Pharmacology*. https://doi.org/10.5402/2012/587160
13. **Y Opoku-Boahen** (2012). The quality and infrared determination of trans-fatty acid contents in some edible vegetable oils. *African Journal of Food Science and Technology*. https://ir.ucc.edu.gh/server/api/core/bitstreams/c7e7eaa5-07d8-4ef8-bfc8-76382c5c6283/content
14. **Y. Opoku-Boahen**, V. Y. Atsu Barku, Andrew Dobson (2011). Characterisation of fatty acids in the roots of Cryptolepis sanguinolenta. *Chemistry of Natural Compounds*. https://doi.org/10.1007/s10600-011-0036-9
15. HK Akotoye, **YO Boahen** (2007). The effect of environmental factors on the total alkaloid contents of Cryptolepis sanguinolenta (Lindl.) Schtr. *International Journal of Chemical Sciences*. https://doi.org/10.5555/20073203315
16. F. S. Tayman, V. Y. Atsu Barku, **Y. Opoku-Boahen**, K. Seifert, D. Grote (2006). Isolation of ent-labdane (+)-12,15-epoxylabda-8(17), 12,14-trien-16-yl acetate from the seeds of Turraeanthus africanus and its cytostatic/cytotoxic effect on the growth of cancer cells in vitro. *Chemistry of Natural Compounds*. https://doi.org/10.1007/s10600-006-0033-6
17. **Yaw Opoku-Boahen** (2001). A new class of symmetric bisbenzimidazole-based DNA minor groove-binding agents showing antitumor activity. *Journal of medicinal chemistry*. https://pubs.acs.org/jmcmar/article-abstract/44/2/138/3561105
18. **Yaw Opoku-Boahen** (2000). A novel inhibitor of human telomerase derived from 10H-indolo [3, 2-b] quinoline. *Bioorganic & medicinal chemistry letters*. https://www.sciencedirect.com/science/article/pii/S0960894X00003784
19. **Yaw Opoku-Boahen** (1999). Symmetric bis-benzimidazoles: new sequence-selective DNA-binding molecules. *Chemical Communications*. https://pubs.rsc.org/cc/article-abstract/35/10/929/141665

Reports 1

1. VYA Barku, **Y Opoku-Boahen** (2013). Antioxidant activity and the estimation of total phenolic and flavonoid contents of the root extract of Amaranthus spinosus. *University of Cape Coast*. https://ir.ucc.edu.gh/items/7ed8752f-17e6-48bf-a573-748bcd334084

Theses 1

1. **Yaw Opoku-Boahen** (1998). Synthesis of analogues of quindoline and other DNA minor groove binders. *University of Reading*. https://scholar.google.com/scholar?cluster=11445542453928475016&hl=en&oi=scholarr