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RESEARCH

Interests	Resilient and Energy Efficient Community Planning and Development · Universal (Barrier-free) Design
Areas	Building and Construction · Urban Studies · Management Science and Operations Research · Strategy and Management · Plant Science · Social Psychology

RESEARCH SUMMARY

44	198	8	7	1.14	7%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 44 publications listed below, 2005–2026. Field-weighted impact is the mean over the 28 works scored for it; 1.00 is the world average for works of the same field, type and year. 2 of the 28 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 36

1. Margaret Baamah Patterson, **Alexander Boakye Marful**, Moritz Dörstelmann, Isaac Egyir Kwofie (2026). BIO-BASED FACADE COMPOSITES FROM AGRO-INDUSTRIAL AND TEXTILE FIBRE WASTE: A SCOPING REVIEW. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v44i2.3s
2. Veronica Sakyi-Adjei, Victor Kwesi Quagraine, **Alexander Boakye Marful**, Ayisha Ida Baffoe-Ashun, Ernest Biney (2026). Barriers and enablers of eco-mobility adoption in the Global South: the case of Kumasi-Ghana. *Sustainable and Resilient Infrastructure*. https://doi.org/10.1080/23789689.2026.2674349
3. Emmanuel Banahene Owusu, Victor Kwesi Quagraine, Titus Ebenezer Kwofie, **Alexander Boakye Marful** (2026). Survey of the colonial architectural heritage of force and coercion in the core of Accra, Ghana. *Built Heritage*. https://doi.org/10.1186/s43238-026-00280-w
4. **Alexander Boakye Marful** (2025). A Novel Water-Energy-Food-Ecosystems (WEFE) Nexus Modelling Tool to Bridge Data Gaps and Aid Decision-making in Water Scarce African Regions. *AGU25*. https://scholar.google.com/scholar?cluster=3290171078718173315&hl=en&oi=scholarr
5. Titus Ebenezer Kwofie, Michael Nii Addy, **Alexander Boakye Marful**, Clinton Ohis Aigbavboa, Bright Emmanuel Owusu, Barbara Simons, Samuel Owusu Afram (2025). An integrated assessment of performance of anti-corruption practices among project teams in the Ghanaian construction industry. *International Journal of Ethics and Systems*. https://doi.org/10.1108/ijoes-10-2024-0337
6. Titus Ebenezer Kwofie, Michael Addy, **Alexander Boakye Marful**, Florence Yaa Akyaa Ellis, Clinton Ohis Aigbavboa, Samuel Amos-Abanyie, Isaac Afranie, Samuel Owusu Afram (2025). Architectural service consulting strategic clusters and service quality performance in public procurement in Ghana. *Engineering Construction & Architectural Management*. https://doi.org/10.1108/ecam-12-2024-1753
7. Titus Ebenezer Kwofie, Michael Nii Addy, **Alexander Boakye Marful**, Clinton Aigbavboa, Samuel Amos-

Abanyie, Barbara Simons, Samuel Owusu Afram (2025). Capability readiness model for green design practices for affordable housing delivery in Ghana. *International Journal of Housing Markets and Analysis*. https://doi.org/10.1108/ijhma-12-2024-0184

8. Michael Baccah, **Alexander Marful**, Henry Dansu, Eric Asirifi, Nana Kwame B. Marfo- Yiado (2025). Enhancing Resilient Urban Infrastructure through Biomimicry: A Collaborative Approach among Architects and Engineers in Ghana. *Advanced International Journal for Research*. https://doi.org/10.63363/aijfr.2025.v06i06.2307
9. Saija H. Hollmén, **Alexander B. Marful**, Taru Niskanen, Daniel Y. A. Duah, Esmeranda Manful, Meeri Pitkänen, Irene A. Idun (2025). Kumasi trees – project of the hearts. Decolonial strategies for advancing urban greenery in a Sub-Saharan city. *International Planning Studies*. https://doi.org/10.1080/13563475.2025.2461664
10. Titus Ebenezer Kwofie, Michael Nii Addy, **Alexander Boakye Marful**, Bright Emmanuel Owusu, Clinton Aigbavboa, Samuel Owusu Afram (2025). Multi-criteria decision model for green technology adoption in housing delivery in Ghana. *International Journal of Housing Markets and Analysis*. https://doi.org/10.1108/ijhma-04-2025-0094
11. Henry Dansu, **Alexander Marful**, Nissi Larbi, William Boakye (2025). The Role of Digital Twinning in Advancing Inclusive Circular Agro-Food Hub Potentials. *International Journal For Multidisciplinary Research*. https://doi.org/10.36948/ijfmr.2025.v07i06.62301
12. Frank Opoku, Otie Yankyera, David Asare, **Alexander Marful**, Titus Kwofie (2025). Water-Positive Housing Design Strategies in Africa: A Bibliometric Analysis. *International Journal For Multidisciplinary Research*. https://doi.org/10.36948/ijfmr.2025.v07i06.63603
13. Titus Ebenezer Kwofie, Michael Nii Addy, **Alexander Boakye Marful**, Clinton Ohis Aigbavboa, Samuel Amos-Abanyie, Ayisha Ida Baffoe-Ashun (2024). An evaluation of the adaptive performance of architects in project teams in Ghana using fuzzy approach. *International Journal of Managing Projects in Business*. https://doi.org/10.1108/ijmpb-03-2024-0057
14. D DUAH, **AB MARFUL** (2024). BARRIER-FREE EDUCATION FOR ALL: INVESTIGATING STAKEHOLDER PERCEPTIONS AND CHALLENGES IN GHANAIAN UNIVERSITIES. *Ghana Journal of Science*. https://www.researchgate.net/profile/Alexander-Marful/publication/393517145_BARRIER-FREE_EDUCATION_FOR_ALL_INVESTIGATING_STAKEHOLDER_PERCEPTIONS_AND_CHALLENGES_IN_GHANAIAN_UNIVERSITIES/links/686e5a7492697d42903df783/BARRIER-FREE-EDUCATION-FOR-ALL-INVESTIGATING-STAKEHOLDER-PERCEPTIONS-AND-CHALLENGES-IN-GHANAIAN-UNIVERSITIES.pdf
15. Lukman Kura Abraham Safo, Daniel Yaw Addai Duah, Stephen Biliyitorb Liwur, **Alexander Boakye Marful** (2024). Civic administrative centres in the northern and southern cities of Ghana: Assessing their state and locational distribution and the implications for urban growth and land demand. *Land Use Policy*. https://doi.org/10.1016/j.landusepol.2024.107199
16. **AB Marful**, HK Dansu, MO Asibey (2024). Exploring inclusive circular agro-food hub as a catalyst to mitigate food insecurity in sub-Saharan Africa. *Urban Design and Planning (Proceedings of the ICE)*. https://mediatum.ub.tum.de/1775390
17. I. T. A. O Frimpong, D. Y. A Duah, **A. B Marful**, I. E Kwofie, J. K Offei-Nketiah (2024). Faded memories: The role of design in enhancing the quality of life of persons living with dementia. *Cogent Gerontology*. https://doi.org/10.1080/28324897.2024.2308838
18. Mary Amoah, **Alexander Boakye Marful**, Stephen Appiah Takyi, Owusu Amponsah, Michael Poku-Boansi (2024). Practices in Central Kumasi: Inherent or Objective? *Urban Forum*. https://doi.org/10.1007/s12132-024-09529-y
19. D DUAH, **AB MARFUL** (2024). REDEFINING INCLUSION, ACCESSIBILITY AND PERCEPTION OF PERSONS WITH DISABILITY THROUGH THE LENS OF ARCHITECTURAL EDUCATION IN GHANA. *Ghana Journal of Science*. https://www.researchgate.net/profile/Alexander-Marful/publication/393517060_REDEFINING_INCLUSION_ACCESSIBILITY_AND_PERCEPTION_OF_PERSONS_WITH_DISABILITY_THROUGH_THE_LENS_OF_ARCHITECTURAL_EDUCATION_IN_GHANA/links/

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20. D Duah, E Badu, **AB Marful** (2024). Stimulation strategies to promote green building uptake in developing countries: the case of Ghana. *Journal of Engineering*.
21. Lee Felix Anzagira, Daniel Yaw Addai Duah, Edward Badu, Eric Kwame Simpeh, **Alexander B. Marful**, Samuel Amos-Abanyie (2024). Structural equation modelling of the critical barriers influencing the adoption of green building concepts and technologies in Ghana. *Journal of responsible production and consumption.*. https://doi.org/10.1108/jrpc-11-2023-0019
22. **Alexander Boakye Marful**, Emmanuel Adzah, Francis K.N. Nunoo, Daniel Yaw Addai Duah, Eric Anane-Antwi (2023). Exploring street graphics: Strategies and challenges for city branding in Kumasi, Ghana. *Cogent Arts and Humanities*. https://doi.org/10.1080/23311983.2023.2206235
23. **Alexander Boakye Marful**, Oliver Kornyo, Michael Asante, Richard Opoku, Daniel Yaw Addai Duah, Benjamin Tei-Partey (2023). Integration of Advanced Metering Infrastructure for Mini-Grid Solar PV Systems in Off-Grid Rural Communities (SoAMIRural). *Sustainability*. https://doi.org/10.3390/su15097526
24. Mary Amoah, **Alexander Boakye Marful**, Stephen Appiah Takyi, Owusu Amponsah, Michael Poku-Boansi (2023). Space use in Central Business District of emerging economies: Regulation or rationale? *Urban Governance*. https://doi.org/10.1016/j.ugj.2023.08.002
25. Lee Felix Anzagira, Daniel Duah, Edward Badu, Eric Kwame Simpeh, Samuel Amos-Abanyie, **Alexander Marful** (2022). Application of green building concepts and technologies for sustainable building development in Sub-Saharan Africa: the case of Ghana. *Open House International*. https://doi.org/10.1108/ohi-02-2022-0054
26. **Alexander Boakye Marful**, Joseph Agyei Danquah, Marina Ansah, Paula Ben-Smith, Daniel Duah (2022). DESIGN THINKING AS AN EFFECTIVE TOOL FOR ARCHITECTURAL PEDAGOGY: Challenges and benefits for Ghanaian schools. *Cogent Arts and Humanities*. https://doi.org/10.1080/23311983.2022.2051828
27. Effie Koomson, Patrique DeGraft Yankson, **Alexander Boakye Marful**, Mavis Osei (2022). Design Thinking Strategies in Therapeutic Assessment of Adolescent Emotional Challenges. *International Journal of Innovative Research and Development*. https://doi.org/10.24940/ijird/2022/v11/i8/aug22020
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29. **AB Marful**, D Duah (2019). Exploring barrier-free as a catalyst to smart cities initiatives in Sub Saharan Africa. *IS THIS THE REAL WORLD? Perfect Smart Cities vs. Real Emotional Cities. Proceedings of REAL CORP 2019, 24th International Conference on Urban Development, Regional Planning and Information Society*. https://repository.corp.at/491/
30. R.A. Oppong, **A.B. Marful**, Y.K. Sarbeng (2018). Conservation and character defining elements of historical towns: A comparative study of Cape Coast and Elmina streets and castles. *Frontiers of Architectural Research*. https://doi.org/10.1016/j.foar.2017.11.001
31. Ayisha Ida Haruna, Rexford Assasie Oppong, **Alexander Boakye Marful** (2018). Exploring eco-aesthetics for urban green infrastructure development and building resilient cities: A theoretical overview. *Cogent Social Sciences*. https://doi.org/10.1080/23311886.2018.1478492
32. R.A. Oppong, **A.B. Marful**, E.S. Asare (2017). Improving urban visibility through fractal analysis of street edges: The case of John Evans Atta Mills High Street in Accra, Ghana. *Frontiers of Architectural Research*. https://doi.org/10.1016/j.foar.2017.04.002
33. Joseph Agyei Danquah, Daniel Duah, **Alexander Boakye Marful** (2017). SUSTAINABLE PRACTICES IN REAL ESTATE HOUSING IN GHANA: PERCEPTION OF OCCUPANTS. *Journal on Innovation and Sustainability RISUS*. https://doi.org/10.24212/2179-3565.2017v8i4p98-113

34. **A Marful** (2015). Optimization of the technology mix for the Shagaya 2 GW renewable energy park in Kuwait. *Energy Procedia*. https://www.sciencedirect.com/science/article/pii/S1876610215004269

35. **AB Marful** (2014). Smarting the City or Development: The Dilemma of the Post-Oil Countries in sub-Saharan Africa. *REAL CORP 2014–PLAN IT SMART! Clever Solutions for Smart Cities. Proceedings of 19th International Conference on Urban Planning, Regional Development and Information Society*. https://repository.corp.at/id/eprint/285

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Book chapters 1

1. **AB Marful** (2015). SMART INFRASTRUCTURE: Case Study Of Gdynia, Waterfront City. *Urban Transformations: Towards wiser cities and better living*.

Conference papers 4

1. Maria Panta, Joseph Agyei Danquah, Daniel Duah, **Alexander Marful** (2023). Rethinking the Curriculum in Architectural Education in a Global Habitat: The Case of the Trans-African Dialogues Series. *Sustainable development goals series*. https://doi.org/10.1007/978-3-031-36640-6_53

2. **AB Marful** (2014). MASTER PLANNING TO HARNESS THE SUN AND WIND ENERGY: The Case of Shagaya Renewable Energy Master Plan Project, Kuwait. *MIPALCON 2014*.

3. **AB Marful** (2012). Landscapes for Neighbourhood and Community Revival (LaNCoR) for Urban Sub-Saharan Africa-The Case of Ghana. *48th ISOCARP Congress, PERM*.

4. **AB Marful** (2010). AFRO-GREEN URBAN COMMUNITY. *Networks for Mobility 2010*.

Reports 1

1. **AB Marful** (2015). LaNCoR+ Workshop: An International Students' Workshop on Playgrounds: Kumasi, Ghana 2015. *Frankfurt University of Applied Sciences*. https://scholar.google.com/scholar?cluster=5426102263462642387&hl=en&oi=scholarr

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1. **AB Marful** (2012). GREENING COMMUNITIES IN TROPICAL SUB-SAHARAN AFRICA, "A Research on the Dynamics of Developing New Juaben Municipal Area in Ghana into an Ecologically-Responsive and Energy …. *University of Stuttgart*. https://elib.uni-stuttgart.de/items/afc3b195-7ddf-4c9c-a8d9-612414d609fb

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