

List of Publications

Ali Bostani

PATENT

"System and method for uniform microwave heating ", Granted US patent number: 14/579,305, 2014

"RF Shielded Textiles", Published US patent number: 62022324, 2015

BOOK CHAPTER

Awadhwai G., Bostani A. (2018), "Microstrip Feed Slotted Ground Antenna with Parasitic Element for UWB Applications". In: Suparta W., Abdullah M., Ismail M. (eds) Space Science and Communication for Sustainability. Springer, Singapore, 2018

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Verma, P., Katal, N., Sharma, B., Chowdhury, S., Mehbodniya, A., Webber, J. L., & Bostani, A. (2022). Voltage Rise Mitigation in PV Rich LV Distribution Networks Using DC/DC Converter Level Active Power Curtailment Method. *Energies*, 15(16), 5901. 2022

Bostani, A. (2022) Design, Simulation and Fabrication of a U-Shaped Antenna Having Defected Ground For Wide Band Applications. Canadian Journal of IoT, and Smart Engineering Technologies (CJITSET) 2 (1), 5-9. 2022

Nakhaei-Kohani, R., Atashrouz, S., Hadavimoghaddam, F., Bostani, A., Hemmati-Sarapardeh, A., & Mohaddespour, A. (2022). Solubility of gaseous hydrocarbons in ionic liquids using equations of state and machine learning approaches. *Scientific Reports*, 12(1), 1-26. 2022

Sadabadi, H., Bostani, A., & Esmaeili, A. S. Reconfigurable Modular Platform for Prolonged Sensing of Toxic Gases in Particle Polluted Environments. *Chemosensors Journal*, 9(11), 328. 2021

Nour, A. A., Bostani, A., & Awadhwai, G. A Tapered Fork-Shaped Antenna With Small Ground Plane for UWB Applications. International Journal of Interdisciplinary Telecommunications and Networking (IJITN), 13(1), 13-24, 2021.

Mohammad Ghannadian Mohammad Ali Seyedi Sharbiyani , Ali Bostani , Reza Dashti , Ali Reza Kamali " Impact Investigation on Each Method of Removing Load Imbalance in Distribution Networks" TEST Engineering & Management, Vol. 82, Pages 15487-15493, 2020.

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A. Bostani , Seyed Morteza Moghim, Reza Dashti, & Seyed Mostafa Hashemi. "The Role of Preventive Major Maintenance in the Costs of Electric Energy Distribution Companies." *Indian Journal of Science and Technology [Online]*, 11.19 (2018): n. pag. Web. 27 Jun. 2018

A. Bostani, "Design, Finite Element Analysis and Implementing a Reconfigurable Antenna with Beam Switching Operating at ISM Band", *Progress In Electromagnetics Research*, vol. 65, Issue. 1 pp. 69–73, 2017

A. Bostani, J.P. Webb, "Efficient Finite Element Eigen-analysis of 3D Periodic Structures over a Frequency Band", *IEEE Transactions on Microwave Theory and Techniques*, vol. 60, Issue. 9 pp. 2677–2683, 2012.

A. Bostani, J.P. Webb, "A sparse finite element method for modeling evanescent modes in the stopband of periodic structures", *IEEE Transactions on Magnetics*, vol. 47, no. 5 pp. 1186–1189, 2011.

A. Bostani, M. Jemai, A. B. Kouki , and A. Khebir, "Efficient Design and Analysis of an Ultra Wideband Planar Antenna with band rejection in WLAN Frequencies", *Antennas online journal*, Spring 2012.

M. A. Habib, A. Bostani, A. Djaiz, M. Nedil, M. C. E. Yagoub, and T. A. Denidni, "Ultra Wideband CPW-fed Aperture Antenna with WLAN Band Rejection", *Progress In Electromagnetics Research Journal*, vol. 106, pp.17-31, 2010.

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H Sadabadi, A Bostani, A Esmaeili, "Detection of Toxic Gas in Dust-filled Environment Using Integrated Microwave-microfluidics", *3rd International Conference on Microelectronic Devices and Technologies (MicDAT '2020)* 21-23 October 2020

Girish Awadhwal , Ali Bostani, "Dual-Band CPW-Feed Antenna for WLAN/WIMAX Applications", *IEEE International Conference on Computational Electromagnetics (ICCEM)*, Singapore, 2020.

Girish Awadhwal , Ali Bostani, "Two Port CPW Feed MIMO Antenna with Very Low Mutual Coupling for WLAN (5.5GHz) Applications", *IEEE International Conference on Computational Electromagnetics (ICCEM)*, Singapore, 2020.

Ali Bostani, G. Awadhwal, "A Circular Symmetric UWB Antenna for enhancement of underground communications in Smart Cities", *3rd Smart Cities Symposium*, Bahrain ,2020.

Girish Awadhwal , Ali Bostani, "Dual-Band Slotted Ground Antenna Having Parasitic Elements for WIMAX Applications ", IEEE International Conference on Computational Electromagnetics (ICCEM), Singapore,2020.

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Girish Awadhwal, Amro A Nour, Ali Bostani, "A low profile dual band wideband patch antenna", Numerical Electromagnetic and Multiphysics Modeling and Optimization for RF, Microwave, and Terahertz Applications (NEMO), 2017 IEEE MTT-S International Conference on.

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