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Personal Information

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Education Information

Doctorate, Koc University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 2019 - Continues

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Telekomünikasyon Mühendisliği, Turkey 2017 - 2019

Undergraduate, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği, Turkey 2012 - 2017

Foreign Languages

English, C1 Advanced

Research Areas

Information Systems, Communication and Control Engineering, Communication Engineering, Communication System Theory, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Istanbul Technical University, Elektrik-Elektronik, Elektronik Ve Haberleşme Mühendisliği, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Indoor and Outdoor Physical Channel Modeling and Efficient Positioning for Reconfigurable Intelligent Surfaces in mmWave Bands**
Basar E., Yildirim İ., Kilinc F.
IEEE TRANSACTIONS ON COMMUNICATIONS, vol.69, no.12, pp.8600-8611, 2021 (Journal Indexed in SCI)
- II. **RECONFIGURABLE INTELLIGENT SURFACES FOR FUTURE WIRELESS NETWORKS: A CHANNEL MODELING PERSPECTIVE**
Basar E., Yildirim I.
IEEE WIRELESS COMMUNICATIONS, vol.28, no.3, pp.108-114, 2021 (Journal Indexed in SCI)
- III. **Index Modulation Based Coordinate Interleaved Orthogonal Design for Secure Communications**
Ozpoyraz B., Yıldırım İ., Başar E.

- IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, vol.70, no.5, pp.5155-5159, 2021 (Journal Indexed in SCI)
- IV. **Hybrid RIS-Empowered Reflection and Decode-and-Forward Relaying for Coverage Extension**
Yıldırım İ., Kilinc F., Basar E., Alexandropoulos G. C.
IEEE COMMUNICATIONS LETTERS, vol.25, no.5, pp.1692-1696, 2021 (Journal Indexed in SCI)
- V. **Coordinate Interleaved Orthogonal Design With Media-Based Modulation**
Yıldırım İ., Basar E., Altunbaş İ.
IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, vol.70, no.3, pp.2867-2871, 2021 (Journal Indexed in SCI)
- VI. **Modeling and Analysis of Reconfigurable Intelligent Surfaces for Indoor and Outdoor Applications in Future Wireless Networks**
Yıldırım İ., Uyrus A., Basar E.
IEEE TRANSACTIONS ON COMMUNICATIONS, vol.69, no.2, pp.1290-1301, 2021 (Journal Indexed in SCI)
- VII. **Media-based modulation for secrecy communications**
Yıldırım İ., Basar E., Kurt G. K.
ELECTRONICS LETTERS, vol.54, no.12, pp.789-790, 2018 (Journal Indexed in SCI)
- VIII. **Quadrature Channel Modulation**
Yıldırım İ., Basar E., Altunbaş İ.
IEEE WIRELESS COMMUNICATIONS LETTERS, vol.6, no.6, pp.790-793, 2017 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Physical Channel Modeling for RIS-Empowered Wireless Networks in Sub-6 GHz Bands**
Kılınç F., BAŞAR E., YILDIRIM İ.
Asilomar Conference on Signals, Systems, and Computers, United States Of America, 31 October 2021
- II. **SimRIS Channel Simulator for Reconfigurable Intelligent Surface-Empowered Communication Systems**
BAŞAR E., YILDIRIM İ.
IEEE Latin-American Conference on Communications (LATINCOM), Santo-Domingo, Dominican Republic, 18 November 2020, pp.1-6
- III. **Fractional Media-Based Modulation with Golden Angle Modulation**
Yıldırım İ., Başar E., Altunbaş İ.
IEEE WCNC 2019, Advances 5G Radio Access Network Features and Performance (ARANFP) Workshop, Marrakech, Morocco,, Marrakush, Morocco, 15 - 19 April 2019, pp.1-5

Supported Projects

Altunbaş İ., Yıldırım İ., Project Supported by Higher Education Institutions, Ortam Tabanlı Modülasyon: Kanal Modeli ve Kesirli Bit Problemi, 2019 - 2019

Citations

Total Citations (WOS):52

h-index (WOS):4