# Leire Azpilicueta

List of Publications by Year
in descending order

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| 167 | 2,222 | 304743 | 276875 |
|---|---|---|---|
| papers | citations | 22 h-index | 41 g-index |

| 168 | 168 | 168 | 1796 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Deterministic Wireless Channel Characterization towards the Integration of Communication Capabilities to Enable Context Aware Industrial Internet of Thing Environments. Mobile Networks and Applications, 2023, 28, 4-18. | 3.3 | 2 |
| 2 | Tuning Selection Impact on Kriging-Aided In-Building Path Loss Modeling. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 84-88. | 4.0 | 5 |
| 3 | Analysis of low power wide area network wireless technologies in smart agriculture for large-scale farm monitoring and tractor communications. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110231. | 5.0 | 22 |
| 4 | A 3-D Indoor Analysis of Path Loss Modeling Using Kriging Techniques. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 1218-1222. | 4.0 | 8 |
| 5 | Intra-train Wagon Wireless Channel Connectivity Analysis of Ultra Dense Node Deployments. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, , 269-279. | 0.3 | 0 |
| 6 | Electromagnetic Characterization of UHF-RFID Fixed Reader in Healthcare Centers Related to the Personal and Labor Health. IEEE Access, 2022, 10, 28614-28630. | 4.2 | 4 |
| 7 | Analysis of MIMO Performance in Complex Indoor Scenarios at 3.7 GHz Band for Future 5G Deployments. , 2022, , . | | 0 |
| 8 | Time and Frequency Analysis of Rough Surface Scattering in the THz Spectrum. , 2022, , . | | 0 |
| 9 | Spatial V2X Traffic Density Channel Characterization for Urban Environments. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 2761-2774. | 8.0 | 11 |
| 10 | Wireless Characterization and Assessment of an UWB-Based System in Industrial Environments. IEEE Access, 2021, 9, 107824-107841. | 4.2 | 6 |
| 11 | Basketball Player On-Body Biophysical and Environmental Parameter Monitoring Based on Wireless Sensor Network Integration. IEEE Access, 2021, 9, 27051-27066. | 4.2 | 5 |
| 12 | Impedance Bandwidth Improvement of a Planar Antenna Based on Metamaterial-Inspired T-Matching Network. IEEE Access, 2021, 9, 67916-67927. | 4.2 | 38 |
| 13 | Design and Experimental Validation of an Augmented Reality System With Wireless Integration for Context Aware Enhanced Show Experience in Auditoriums. IEEE Access, 2021, 9, 5466-5484. | 4.2 | 4 |
| 14 | Integration of Wireless Communication Capabilities to Enable Context Aware Industrial Internet of Thing Environments. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2021, , 162-170. | 0.3 | 0 |
| 15 | Empirical and Modeling Approach for Environmental Indoor RF-EMF Assessment in Complex High-Node Density Scenarios: Public Shopping Malls Case Study. IEEE Access, 2021, 9, 46755-46775. | 4.2 | 9 |
| 16 | Propagation Models in Vehicular Communications. IEEE Access, 2021, 9, 15902-15913. | 4.2 | 5 |
| 17 | Comparative Study of Artificial Neural Network Based Channel Equalization Methods for mmWave Communications. IEEE Access, 2021, 9, 41678-41687. | 4.2 | 14 |
| 18 | IoT Enabled Low Cost Distributed Angle Measurement Fault Detection System for LFR Plants. IEEE Sensors Journal, 2021, 21, 24855-24868. | 4.7 | 2 |

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| 19 | Bandwidth and gain enhancement of composite right left handed metamaterial transmission line planar antenna employing a non foster impedance matching circuit board. Scientific Reports, 2021, 11, 7472. | 3.3 | 15 |
| 20 | Optimum power transfer in RF front end systems using adaptive impedance matching technique. Scientific Reports, 2021, 11, 11825. | 3.3 | 9 |
| 21 | Deterministic and Empirical Approach for Millimeter-Wave Complex Outdoor Smart Parking Solution Deployments. Sensors, 2021, 21, 4112. | 3.8 | 9 |
| 22 | Near Field Exposure Conditions by UHF-RFID Systems in Smart Healthcare Environments. , 2021, , . | | 3 |
| 23 | Achieving the performance of the MMSE receiver with the maximum ratio combiner. IET Communications, 2021, 15, 2513. | 2.2 | 0 |
| 24 | Towards Environmental RF-EMF Assessment of mmWave High-Node Density Complex Heterogeneous Environments. Sensors, 2021, 21, 8419. | 3.8 | 3 |
| 25 | Deterministic-Based 5G mmWave Propagation Characterization in Urban Environments. , 2021, , . | | 0 |
| 26 | Deterministic 3D Ray-Launching Millimeter Wave Channel Characterization for Vehicular Communications in Urban Environments. Sensors, 2020, 20, 5284. | 3.8 | 10 |
| 27 | Aggregator to Electric Vehicle LoRaWAN Based Communication Analysis in Vehicle-to-Grid Systems in Smart Cities. IEEE Access, 2020, 8, 124688-124701. | 4.2 | 33 |
| 28 | Implementation of an Interactive Environment With Multilevel Wireless Links for Distributed Botanical Garden in University Campus. IEEE Access, 2020, 8, 132382-132396. | 4.2 | 10 |
| 29 | A Comprehensive Survey of â€œMetamaterial Transmission-Line Based Antennas: Design, Challenges, and Applicationsâ€• IEEE Access, 2020, 8, 144778-144808. | 4.2 | 202 |
| 30 | A Comprehensive Survey on â€œVarious Decoupling Mechanisms With Focus on Metamaterial and Metasurface Principles Applicable to SAR and MIMO Antenna Systemsâ€• IEEE Access, 2020, 8, 192965-193004. | 4.2 | 244 |
| 31 | Analysis of Phase Evolution Impact in SIMO Operation in Distributed Transceiver Systems. , 2020, , . | | 0 |
| 32 | Radio Wave Propagation and WSN Deployment in Complex Utility Tunnel Environments. Sensors, 2020, 20, 6710. | 3.8 | 15 |
| 33 | Design, Implementation, and Empirical Validation of an IoT Smart Irrigation System for Fog Computing Applications Based on LoRa and LoRaWAN Sensor Nodes. Sensors, 2020, 20, 6865. | 3.8 | 46 |
| 34 | Wireless Channel Characterization and System Analysis of Complex Utility Tunnel Environments. Proceedings (mdpi), 2020, 42, 53. | 0.2 | 0 |
| 35 | Millimeter Wave Spatial Channel Characterization for Vehicular Communications. Proceedings (mdpi), 2020, 42, 64. | 0.2 | 3 |
| 36 | Fifth-Generation (5G) mmWave Spatial Channel Characterization for Urban Environmentsâ€™ System Analysis. Sensors, 2020, 20, 5360. | 3.8 | 19 |

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| 37 | From 2G to 5G Spatial Modeling of Personal RF-EMF Exposure Within Urban Public Trams. IEEE Access, 2020, 8, 100930-100947. | 4.2 | 22 |
| 38 | A 3D Ray Launching Time-Frequency Channel Modeling Approach for UWB Ranging Applications. IEEE Access, 2020, 8, 97321-97334. | 4.2 | 5 |
| 39 | Design and Empirical Validation of a Bluetooth 5 Fog Computing Based Industrial CPS Architecture for Intelligent Industry 4.0 Shipyard Workshops. IEEE Access, 2020, 8, 45496-45511. | 4.2 | 23 |
| 40 | Validation of 3D simulation tool for radio channel modeling at 60ÂGHz: A meeting point for empirical and simulation-based models. Measurement: Journal of the International Measurement Confederation, 2020, 163, 108038. | 5.0 | 5 |
| 41 | Building Decentralized Fog Computing-Based Smart Parking Systems: From Deterministic Propagation Modeling to Practical Deployment. IEEE Access, 2020, 8, 117666-117688. | 4.2 | 15 |
| 42 | Design and Empirical Validation of a LoRaWAN IoT Smart Irrigation System. Proceedings (mdpi), 2020, 42, . | 0.2 | 21 |
| 43 | Comparative study of channel estimators for massive MIMO 5G NR systems. IET Communications, 2020, 14, 1175-1184. | 2.2 | 16 |
| 44 | Metamaterial-Inspired Antenna Array for Application in Microwave Breast Imaging Systems for Tumor Detection. IEEE Access, 2020, 8, 174667-174678. | 4.2 | 83 |
| 45 | Enhanced Wireless Channel Estimation Through Parametric Optimization of Hybrid Ray Launching-Collaborative Filtering Technique. IEEE Access, 2020, 8, 83070-83080. | 4.2 | 5 |
| 46 | Deterministic Radio Channel Characterization for Near-Ground Wireless Sensor Networks Deployment Optimization in Smart Agriculture. , 2020, , . | | 2 |
| 47 | Characterization of Impairments in the Detection of RFID Tags for Smart Agriculture Applications. , 2020, , . | | 0 |
| 48 | Analysis of Personal RF-EMF radiation exposure within Public Transportation Buses. , 2020, , . | | 1 |
| 49 | Implementation of a WSN-Based IIoT Monitoring System within the Workshop of a Solar Protection Curtains Company. , 2020, 2, . | | 1 |
| 50 | Deterministic Propagation Approach for Millimeter Wave Outdoor Smart Parking Solution Deployment. , 2020, 2, . | | 0 |
| 51 | Design and Experimental Validation of a LoRaWAN Fog Computing Based Architecture for IoT Enabled Smart Campus Applications. Sensors, 2019, 19, 3287. | 3.8 | 51 |
| 52 | Performance Evaluation and Interference Characterization of Wireless Sensor Networks for Complex High-Node Density Scenarios. Sensors, 2019, 19, 3516. | 3.8 | 7 |
| 53 | A Radio Channel Model for D2D Communications Blocked by Single Trees in Forest Environments. Sensors, 2019, 19, 4606. | 3.8 | 16 |
| 54 | RF Channel Propagation Modeling for Wireless Sensor Networks in Intelligent Transportation Systems. , 2019, , . | | 0 |

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| 55 | Hybrid Computational Techniques: Electromagnetic Propagation Analysis in Complex Indoor Environments. IEEE Antennas and Propagation Magazine, 2019, 61, 20-30. | 1.4 | 15 |
| 56 | Analysis, Design and Empirical Validation of a Smart Campus Based on LoRaWAN. Proceedings (mdpi), 2019, 4, 7. | 0.2 | 2 |
| 57 | Spatial Characterization of Personal RF-EMF Exposure in Public Transportation Buses. IEEE Access, 2019, 7, 33038-33054. | 4.2 | 22 |
| 58 | Intra-Train Connectivity Analysis to Enable Context Aware Passenger Environments. , 2019, , . | | 0 |
| 59 | Context Aware Intensive Care Unit Wireless System Analysis. , 2019, , . | | 0 |
| 60 | The effects of an Adaptive and Distributed Transmission Power Control on the performance of energy harvesting sensor networks. Computer Networks, 2018, 137, 69-82. | 5.1 | 22 |
| 61 | Integration of Wireless Sensor Networks in Intelligent Transportation Systems within Smart City Context. , 2018, , . | | 3 |
| 62 | Integration of Autonomous Wireless Sensor Networks in Academic School Gardens. Sensors, 2018, 18, 3621. | 3.8 | 8 |
| 63 | Efficient Wireless Channel Characterization in Medicalised Vehicles for Smart Health. , 2018, , . | | 0 |
| 64 | Wireless System Integration to Enable Smart Cities and Smart Regions. Proceedings (mdpi), 2018, 2, 109. | 0.2 | 0 |
| 65 | Implementation and Operational Analysis of an Interactive Intensive Care Unit within a Smart Health Context. Sensors, 2018, 18, 389. | 3.8 | 15 |
| 66 | Deterministic Propagation Modeling for Intelligent Vehicle Communication in Smart Cities. Sensors, 2018, 18, 2133. | 3.8 | 10 |
| 67 | Performance Evaluation and Interference Characterization of Wireless Sensor Networks for Complex High-Node Density Scenarios. Proceedings (mdpi), 2018, 4, . | 0.2 | 0 |
| 68 | Radio Channel Characterization in Dense Forest Environments for IoT-5G. Proceedings (mdpi), 2018, 4, . | 0.2 | 2 |
| 69 | 3D ray launching simulation of urban vehicle to infrastructure radio propagation links. Congreso De Ciencia Y TecnologÃa ESPE, 2018, 13, . | 0.1 | 1 |
| 70 | A Hybrid Ray Launching-Diffusion Equation Approach for Propagation Prediction in Complex Indoor Environments. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 214-217. | 4.0 | 36 |
| 71 | Optimization and Design of Wireless Systems for the Implementation of Context Aware Scenarios in Railway Passenger Vehicles. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2838-2850. | 8.0 | 15 |
| 72 | Influence of meshing adaption in convergence performance of deterministic ray launching estimation in indoor scenarios. Journal of Electromagnetic Waves and Applications, 2017, 31, 544-559. | 1.6 | 15 |

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| 73 | Optimized Wireless Channel Characterization in Large Complex Environments by Hybrid Ray Launching-Collaborative Filtering Approach. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 780-783. | 4.0 | 43 |
| 74 | Design and Implementation of Context Aware Applications With Wireless Sensor Network Support in Urban Train Transportation Environments. IEEE Sensors Journal, 2017, 17, 169-178. | 4.7 | 39 |
| 75 | SesToCross: Semantic Expert System to Manage Single-Lane Road Crossing. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 1221-1233. | 8.0 | 9 |
| 76 | Study on the impact of the body shadow effect in wireless channels through dosimetry measurements. , 2017, , . | | 1 |
| 77 | Spatial Characterization of Radio Propagation Channel in Urban Vehicle-to-Infrastructure Environments to Support WSNs Deployment. Sensors, 2017, 17, 1313. | 3.8 | 19 |
| 78 | Challenges in Wireless System Integration as Enablers for Indoor Context Aware Environments. Sensors, 2017, 17, 1616. | 3.8 | 8 |
| 79 | Medium Access Control Protocols for Cognitive Radio Ad Hoc Networks: A Survey. Sensors, 2017, 17, 2136. | 3.8 | 20 |
| 80 | Characterization of Radio Propagation Channel in Urban Vehicle to Infrastructure Environments to Support WSNs. Proceedings (mdpi), 2017, 1, 19. | 0.2 | 2 |
| 81 | Assessment of ISM 2.4GHz wireless sensor networks performance in urban infrasctructure scenarios. , 2017, , . | | 0 |
| 82 | Characterisation of radio wave propagation in vehicular environments through deterministic methods. , 2017, , . | | 0 |
| 83 | Deterministic Propagation Modeling for Intelligent Vehicle Communication in Smart Cities. Proceedings (mdpi), 2017, 2, . | 0.2 | 0 |
| 84 | Integration of Autonomous Wireless Sensor Networks in Academic School Gardens. Proceedings (mdpi), 2017, 2, . | 0.2 | 1 |
| 85 | Implementation and Analysis of ISM 2.4 GHz Wireless Sensor Network Systems in Judo Training Venues. Sensors, 2016, 16, 1247. | 3.8 | 8 |
| 86 | Performance Analysis of ZigBee Wireless Networks for AAL through Hybrid Ray Launching and Collaborative Filtering. Journal of Sensors, 2016, 2016, 1-16. | 1.1 | 10 |
| 87 | Implementation of Context Aware e-Health Environments Based on Social Sensor Networks. Sensors, 2016, 16, 310. | 3.8 | 15 |
| 88 | Evaluation of Deployment Challenges of Wireless Sensor Networks at Signalized Intersections. Sensors, 2016, 16, 1140. | 3.8 | 10 |
| 89 | Implementation and Analysis of a Wireless Sensor Network-Based Pet Location Monitoring System for Domestic Scenarios. Sensors, 2016, 16, 1384. | 3.8 | 16 |
| 90 | Optimal parameter estimation for wireless signal analysis in context-aware scenarios: A brief study. , 2016, , . | | 2 |

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| 91 | Analysis of vehicular connectivity in smart health service provision scenarios. , 2016, , . | | 0 |
| 92 | Analysis of ISO/IEEE 11073 built-in security and its potential IHE-based extensibility. Journal of Biomedical Informatics, 2016, 60, 270-285. | 4.3 | 21 |
| 93 | Hybrid equivalent source â€“ 3D ray-launching simulation technique for deterministic estimation of radiated emissions of electrical appliances. Journal of Electromagnetic Waves and Applications, 2016, 30, 415-430. | 1.6 | 0 |
| 94 | Implementation of Wireless Sensor Network Architecture for Interactive Shopping Carts to Enable Context-Aware Commercial Areas. IEEE Sensors Journal, 2016, 16, 5416-5425. | 4.7 | 8 |
| 95 | An accurate UTD extension to a ray-launching algorithm for the analysis of complex indoor radio environments. Journal of Electromagnetic Waves and Applications, 2016, 30, 43-60. | 1.6 | 16 |
| 96 | Two-dimensional collaborative filtering approach to wireless channel characterization in medical complex scenarios. , 2016, , . | | 2 |
| 97 | Characterisation of radio wave propagation in complex indoor environments with and accurate Ray Launching and UTD method. , 2016, , . | | 0 |
| 98 | Intelligent Vehicle Communication: Deterministic Propagation Prediction in Transportation Systems. IEEE Vehicular Technology Magazine, 2016, 11, 29-37. | 3.4 | 48 |
| 99 | Analysis of Wireless Sensor Network performance in urban infrastructure to vehicle scenarios. , 2016, , . | | 1 |
| 100 | Design and performance analysis of wireless body area networks in complex indoor e-Health hospital environments for patient remote monitoring. International Journal of Distributed Sensor Networks, 2016, 12, 155014771666806. | 2.2 | 12 |
| 101 | Lessons learned from the implementation of remote control for the interoperability standard ISO/IEEE11073-20601 in a standard weighing scale. Computer Methods and Programs in Biomedicine, 2016, 123, 81-93. | 4.7 | 7 |
| 102 | Analysis of Bluetooth-Based Wireless Sensor Networks Performance in Hospital Environments. Proceedings (mdpi), 2016, 1, . | 0.2 | 3 |
| 103 | Analysis of topo-morphological influence of vineyards in the design of wireless sensor networks for smart viticultural management. International Journal of Sensor Networks, 2015, 19, 78. | 0.4 | 3 |
| 104 | Challenges in the implementation of context-aware scenarios within emergency rooms. , 2015, , . | | 0 |
| 105 | Dense wireless sensor network design for the implementation of Smart Health environments. , 2015, , . | | 6 |
| 106 | Analysis of body effect in translinear topologies by means of the general translinear principle. International Journal of Circuit Theory and Applications, 2015, 43, 613-634. | 2.0 | 0 |
| 107 | Evaluation of Electromagnetic Interference and Exposure Assessment from s-Health Solutions Based on Wi-Fi Devices. BioMed Research International, 2015, 2015, 1-9. | 1.9 | 30 |
| 108 | Estimation of Radiofrequency Power Leakage from Microwave Ovens for Dosimetric Assessment at Nonionizing Radiation Exposure Levels. BioMed Research International, 2015, 2015, 1-14. | 1.9 | 22 |

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| 109 | Bandâ€pass filterâ€like antenna validation in an ultraâ€wideband inâ€car wireless channel. IET Communications, 2015, 9, 532-540. | 2.2 | 8 |
| 110 | Context aware scenarios in train transportation environments. , 2015, , . | | 0 |
| 111 | Signal processing requirements for step detection using wrist-worn IMU. , 2015, , . | | 6 |
| 112 | Analysis of wireless sensor network performance embedded in motorcycle communication system. , 2015, , . | | 0 |
| 113 | Influence of impairments due to dispersive propagation on the antenna design for body-based applications. Journal of Electromagnetic Waves and Applications, 2015, 29, 2355-2364. | 1.6 | 2 |
| 114 | Hybrid-based optimization of wireless channel characterization for health services in medical complex environments. , 2015, , . | | 6 |
| 115 | Dosimetric assessment of RadioFrequency power leakage from microwave ovens in complex scenarios. , 2015, , . | | 1 |
| 116 | Exposure assessment from s-Health solutions based on WLAN/WBAN systems. , 2015, , . | | 0 |
| 117 | Low Cost Real Time Location System Based in Radio Frequency Identification for the Provision of Social and Safety Services. Wireless Personal Communications, 2015, 84, 2797-2814. | 2.7 | 5 |
| 118 | Characterization of UHF Radio Channels for Wireless Sensor Systems Embedded in Surfboards. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1526-1529. | 4.0 | 4 |
| 119 | Analysis of Wireless Sensor Network Topology and Estimation of Optimal Network Deployment by Deterministic Radio Channel Characterization. Sensors, 2015, 15, 3766-3788. | 3.8 | 14 |
| 120 | Analysis of estimation of electromagnetic dosimetric values from non-ionizing radiofrequency fields in conventional road vehicle environments. Electromagnetic Biology and Medicine, 2015, 34, 19-28. | 1.4 | 22 |
| 121 | Radio channel characterization of Vehicle-to-Infrastructure communications at 60GHz. , 2015, , . | | 1 |
| 122 | Characterization of Wireless Channel Impact on Wireless Sensor Network Performance in Public Transportation Buses. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 3280-3293. | 8.0 | 24 |
| 123 | Dosimetric assessment for non-ionizing ISM 2.4 GHz wireless systems in a commercial passenger aircraft. , 2014, , . | | 0 |
| 124 | Estimation of wireless coverage in complex cave environments for speleology applications. , 2014, , . | | 2 |
| 125 | Radio Characterization for ISM 2.4 GHz Wireless Sensor Networks for Judo Monitoring Applications. Sensors, 2014, 14, 24004-24028. | 3.8 | 6 |
| 126 | Estimation of Electromagnetic Dosimetric Values from Non-Ionizing Radiofrequency Fields in an Indoor Commercial Airplane Environment. Electromagnetic Biology and Medicine, 2014, 33, 252-263. | 1.4 | 21 |

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| 127 | Analysis of efficient dense wireless sensor network deployment in Smart City environments. , 2014, , . | | 1 |
| 128 | Analysis of Radio Wave Propagation for ISM 2.4 GHz Wireless Sensor Networks in Inhomogeneous Vegetation Environments. Sensors, 2014, 14, 23650-23672. | 3.8 | 16 |
| 129 | Ubiquitous Connected Train Based on Train-to-Ground and Intra-Wagon Communications Capable of Providing on Trip Customized Digital Services for Passengers. Sensors, 2014, 14, 8003-8025. | 3.8 | 14 |
| 130 | Assessment of electromagnetic dosimetric values from non-ionizing radiofrequency sources in a conventional road vehicle. , 2014, , . | | 0 |
| 131 | Analysis of radiopropagation of wireless transceivers in surfboards. , 2014, , . | | 0 |
| 132 | Characterization of wireless channel response in in-vehicle environments. , 2014, , . | | 2 |
| 133 | Review of specific absorption definition considering the evolution of the Brillouin precursors. , 2014, , . | | 1 |
| 134 | Radio channel characterization for bluetooth communication systems onboard commercial aircrafts. Microwave and Optical Technology Letters, 2014, 56, 2660-2664. | 1.4 | 0 |
| 135 | ZigBee Radio Channel Analysis in a Complex Vehicular Environment [Wireless Corner]. IEEE Antennas and Propagation Magazine, 2014, 56, 232-245. | 1.4 | 19 |
| 136 | Implementing context aware scenarios to enable smart health in complex urban environments. , 2014, , . | | 13 |
| 137 | A Ray Launching-Neural Network Approach for Radio Wave Propagation Analysis in Complex Indoor Environments. IEEE Transactions on Antennas and Propagation, 2014, 62, 2777-2786. | 5.1 | 99 |
| 138 | Impact of wireless sensor network cluster architecture in wireless channel performance. , 2014, , . | | 1 |
| 139 | Event-driven, pattern-based methodology for cost-effective development of standardized personal health devices. Computer Methods and Programs in Biomedicine, 2014, 117, 168-178. | 4.7 | 2 |
| 140 | Analysis of challenges in the application of deterministic wireless channel modelling in the implementation of WLAN-based indoor location system in large complex scenarios. International Journal of Ad Hoc and Ubiquitous Computing, 2014, 15, 171. | 0.5 | 5 |
| 141 | Channel characterization in indoor wireless sensor network deployment in commercial environment. , 2014, , . | | 0 |
| 142 | Novel translinear differential implementation of rational functions with squared denominators. International Journal of Circuit Theory and Applications, 2014, 42, 1290-1305. | 2.0 | 1 |
| 143 | Topological dependence in the performance of deterministic wireless channel estimation. , 2014, , . | | 0 |
| 144 | Assessment of Statistical Distribution of Exposure to Electromagnetic Fields from Social Alarm Devices. IFMBE Proceedings, 2014, , 1159-1162. | 0.3 | 0 |

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| 145 | An Easy to Deploy Street Light Control System Based on Wireless Communication and LED Technology. Sensors, 2013, 13, 6492-6523. | 3.8 | 95 |
| 146 | Low Cost and Easy to Deploy Real Time Location System Based in Radio Frequency Identification. Lecture Notes in Computer Science, 2013, , 191-198. | 1.3 | 0 |
| 147 | Characterization and consideration of topological impact of wireless propagation in a commercial aircraft environment [wireless corner]. IEEE Antennas and Propagation Magazine, 2013, 55, 240-258. | 1.4 | 11 |
| 148 | Impact of Wireless Sensor Networks in the advancement of Ambient Intelligence and Smart Cities. , 2013, , . | | 1 |
| 149 | Analysis and Description of HOLTIN Service Provision for AECG monitoring in Complex Indoor Environments. Sensors, 2013, 13, 4947-4960. | 3.8 | 27 |
| 150 | Evaluation of the Brillouin precursor performance for ultra wide band intra-body technologies. Journal of Electromagnetic Waves and Applications, 2013, 27, 2213-2220. | 1.6 | 3 |
| 151 | Towards a Traceability System Based on RFID Technology to Check the Content of Pallets within Electronic Devices Supply Chain. International Journal of Antennas and Propagation, 2013, 2013, 1-9. | 1.2 | 3 |
| 152 | Towards a Train-to-Ground and Intra-wagon Communications Solution Capable of Providing on Trip Customized Digital Services for Passengers. Lecture Notes in Computer Science, 2013, , 334-341. | 1.3 | 1 |
| 153 | Impact of High Power Interference Sources in Planning and Deployment of Wireless Sensor Networks and Devices in the 2.4 GHz Frequency Band in Heterogeneous Environments. Sensors, 2012, 12, 15689-15708. | 3.8 | 36 |
| 154 | IVAN: Intelligent Van for the Distribution of Pharmaceutical Drugs. Sensors, 2012, 12, 6587-6609. | 3.8 | 24 |
| 155 | Analysis of an UHF-RFID system in a metallic closed vehicle. , 2012, , . | | 0 |
| 156 | Topological and morphological influence in the performance of MIMO techniques in complex indoor scenarios. , 2012, , . | | 0 |
| 157 | Impact of material changes in electromagnetic dosimetry estimation of complex indoor scenarios. , 2012, , . | | 1 |
| 158 | Performance Analysis of IEEE 802.15.4 Compliant Wireless Devices for Heterogeneous Indoor Home Automation Environments. International Journal of Antennas and Propagation, 2012, 2012, 1-14. | 1.2 | 34 |
| 159 | EVALUATION OF ELECTROMAGNETIC DOSIMETRY OF WIRELESS SYSTEMS IN COMPLEX INDOOR SCENARIOS WITH HUMAN BODY INTERACTION. Progress in Electromagnetics Research B, 2012, 43, 189-209. | 1.0 | 54 |
| 160 | Measurement and modeling of a UHFâ€RFID system in a metallic closed vehicle. Microwave and Optical Technology Letters, 2012, 54, 2126-2130. | 1.4 | 28 |
| 161 | Easily Deployable Streetlight Intelligent Control System Based on Wireless Communication. Lecture Notes in Computer Science, 2012, , 334-337. | 1.3 | 3 |
| 162 | Analysis of topology and morphology influence in indoor millimeter wave wireless networks. , 2011, , . | | 0 |

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| 163 | Lessons learned implementing the ISO/IEEE11073 standard into wearable personal devices. , 2010, , . | | 2 |
| 164 | Design of a Wearable Device for ECG Continuous Monitoring Using Wireless Technology. , 2004, 2004, 3318-21. | | 19 |
| 165 | Analysis, Design and Practical Validation of an Augmented Reality Teaching System Based on Microsoft HoloLens 2 and Edge Computing. , 0, , . | | 7 |
| 166 | <strong>Radio propagation analysis for ZigBee based indoor dog monitoring system</strong>. , 0, , . | | 0 |
| 167 | Errealitate areagotuko sistema baten diseinu eta balioztatze esperimentala haririk gabeko integrazioarekin, auditoriumetan desgaitasuna pairatzen duten pertsonen esperientzia hobetzeko. , 0, , . | | 0 |