

# Francisco Falcone

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

305  
papers

6,954  
citations

37  
h-index

77  
g-index

436  
ext. papers

9,047  
ext. citations

2.4  
avg, IF

5.9  
L-index

#	Paper	IF	Citations
305	A Frequency Reconfigurable Compact Planar Inverted-F Antenna for Portable Devices. <i>International Journal of Antennas and Propagation</i> , <b>2022</b> , 2022, 1-9	1.2	0
304	Bi2Bi Communication: Toward Encouragement of Sustainable Smart Mobility. <i>IEEE Access</i> , <b>2022</b> , 10, 9380-9394	3.9	0
303	Analysis of low power wide area network wireless technologies in smart agriculture for large-scale farm monitoring and tractor communications. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2022</b> , 187, 110231	4.6	3
302	A Compact CPW-Fed Ultra-Wideband Multi-Input-Multi-Output (MIMO) Antenna for Wireless Communication Networks. <i>IEEE Access</i> , <b>2022</b> , 10, 25278-25289	3.5	5
301	A 3D Indoor Analysis of Path Loss Modeling Using Kriging Techniques. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2022</b> , 1-1	3.8	3
300	Intra-train Wagon Wireless Channel Connectivity Analysis of Ultra Dense Node Deployments. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2022</b> , 269-279	0.2	
299	Electromagnetic Characterization of UHF-RFID Fixed Reader in Healthcare Centers Related to the Personal and Labor Health. <i>IEEE Access</i> , <b>2022</b> , 10, 28614-28630	3.5	0
298	Novel Concentric Hexagonal-Shaped RFID Tag Antenna With T-Shaped Stub Matching. <i>IEEE Journal of Radio Frequency Identification</i> , <b>2021</b> , 1-1	2.4	
297	A Metasurface-Based Single-Layered Compact AMC-Backed Dual-Band Antenna for Off-Body IoT Devices. <i>IEEE Access</i> , <b>2021</b> , 1-1	3.5	4
296	Analysis of Inter-train Wireless Connectivity to Enable Context Aware Rail Applications. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 125-132	0.9	
295	Dual-Polarized Highly Folded Bowtie Antenna with Slotted Self-Grounded Structure for Sub-6 GHz 5G Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 1-1	4.9	17
294	A Novel Hook-Shaped Antenna Operating at 28 GHz for Future 5G mmwave Applications. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 673	2.6	6
293	An Innovative and Simple Impedance Matching Network Using Stacks of Metasurface Sheets to Suppress the Mismatch Between Antennas and RF Front-End Transceivers Circuits <b>2021</b> ,		2
292	Bandwidth and gain enhancement of composite right left handed metamaterial transmission line planar antenna employing a non foster impedance matching circuit board. <i>Scientific Reports</i> , <b>2021</b> , 11, 7472	4.9	3
291	Theoretical Study of the Input Impedance and Electromagnetic Field Distribution of a Dipole Antenna Printed on an Electrical/Magnetic Uniaxial Anisotropic Substrate. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1050	2.6	6
290	Antenna on Chip (AoC) Design Using Metasurface and SIW Technologies for THz Wireless Applications. <i>Electronics (Switzerland)</i> , <b>2021</b> , 10, 1120	2.6	11
289	High-isolation antenna array using SIW and realized with a graphene layer for sub-terahertz wireless applications. <i>Scientific Reports</i> , <b>2021</b> , 11, 10218	4.9	21

288	Optimum power transfer in RF front end systems using adaptive impedance matching technique. <i>Scientific Reports</i> , <b>2021</b> , 11, 11825	4.9	1
287	Spatial V2X Traffic Density Channel Characterization for Urban Environments. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2021</b> , 22, 2761-2774	6.1	6
286	Study on on-Chip Antenna Design Based on Metamaterial-Inspired and Substrate-Integrated Waveguide Properties for Millimetre-Wave and THz Integrated-Circuit Applications. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , <b>2021</b> , 42, 17-28	2.2	40
285	Wireless Characterization and Assessment of an UWB-Based System in Industrial Environments. <i>IEEE Access</i> , <b>2021</b> , 9, 107824-107841	3.5	2
284	Basketball Player On-Body Biophysical and Environmental Parameter Monitoring Based on Wireless Sensor Network Integration. <i>IEEE Access</i> , <b>2021</b> , 9, 27051-27066	3.5	3
283	Impedance Bandwidth Improvement of a Planar Antenna Based on Metamaterial-Inspired T-Matching Network. <i>IEEE Access</i> , <b>2021</b> , 9, 67916-67927	3.5	9
282	Design and Experimental Validation of an Augmented Reality System With Wireless Integration for Context Aware Enhanced Show Experience in Auditoriums. <i>IEEE Access</i> , <b>2021</b> , 9, 5466-5484	3.5	2
281	Overcoming Inherent Narrow Bandwidth and Low Radiation Properties of Electrically Small Antennas by Using an Active Interior-Matching Circuit. <i>IEEE Access</i> , <b>2021</b> , 9, 20622-20628	3.5	1
280	. <i>IEEE Access</i> , <b>2021</b> , 9, 71553-71562	3.5	8
279	Integration of Wireless Communication Capabilities to Enable Context Aware Industrial Internet of Thing Environments. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , <b>2021</b> , 162-170	0.2	
278	Empirical and Modeling Approach for Environmental Indoor RF-EMF Assessment in Complex High-Node Density Scenarios: Public Shopping Malls Case Study. <i>IEEE Access</i> , <b>2021</b> , 9, 46755-46775	3.5	1
277	Propagation Models in Vehicular Communications. <i>IEEE Access</i> , <b>2021</b> , 9, 15902-15913	3.5	1
276	Future Smartphone: MIMO Antenna System for 5G Mobile Terminals. <i>IEEE Access</i> , <b>2021</b> , 9, 91593-91603	3.5	9
275	Monitoring of Electric Buses within an Urban Smart City Environment. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	3
274	Metasurface-Based Wideband MIMO Antenna for 5G Millimeter-Wave Systems. <i>IEEE Access</i> , <b>2021</b> , 9, 125348-125357	3.5	1
273	IoT Enabled Low Cost Distributed Angle Measurement Fault Detection System for LFR Plants. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	0
272	Metamaterial Based Design of Compact UWB/MIMO Monopoles Antenna with Characteristic Mode Analysis. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 1542	2.6	6
271	Design and Realization of a Frequency Reconfigurable Multimode Antenna for ISM, 5G-Sub-6-GHz, and S-Band Applications. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 1635	2.6	3

270	Singular Integral Formulations for Electrodynamical Analysis of Metamaterial-Inspired Antenna Array. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2021</b> , 20, 179-183	3.8	4
269	Enabling Customizable Services for Multimodal Smart Mobility With City-Platforms. <i>IEEE Access</i> , <b>2021</b> , 9, 41628-41646	3.5	4
268	. <i>IEEE Access</i> , <b>2021</b> , 9, 84910-84921	3.5	5
267	Multimode HMSIW-Based Bandpass Filter with Improved Selectivity for Fifth-Generation (5G) RF Front-Ends. <i>Sensors</i> , <b>2020</b> , 20,	3.8	6
266	Radio Wave Propagation and WSN Deployment in Complex Utility Tunnel Environments. <i>Sensors</i> , <b>2020</b> , 20,	3.8	7
265	Design, Implementation, and Empirical Validation of an IoT Smart Irrigation System for Fog Computing Applications Based on LoRa and LoRaWAN Sensor Nodes. <i>Sensors</i> , <b>2020</b> , 20,	3.8	21
264	Analysis and Design of IoT-Enabled, Low-Cost Distributed Angle Measurement System. <i>Proceedings (mdpi)</i> , <b>2020</b> , 42, 58	0.3	1
263	Wireless Channel Characterization and System Analysis of Complex Utility Tunnel Environments. <i>Proceedings (mdpi)</i> , <b>2020</b> , 42, 53	0.3	
262	Millimeter Wave Spatial Channel Characterization for Vehicular Communications. <i>Proceedings (mdpi)</i> , <b>2020</b> , 42, 64	0.3	2
261	Fifth-Generation (5G) mmWave Spatial Channel Characterization for Urban Environments' System Analysis. <i>Sensors</i> , <b>2020</b> , 20,	3.8	9
260	A Review of IoT Sensing Applications and Challenges Using RFID and Wireless Sensor Networks. <i>Sensors</i> , <b>2020</b> , 20,	3.8	66
259	From 2G to 5G Spatial Modeling of Personal RF-EMF Exposure Within Urban Public Trams. <i>IEEE Access</i> , <b>2020</b> , 8, 100930-100947	3.5	8
258	A 3D Ray Launching Time-Frequency Channel Modeling Approach for UWB Ranging Applications. <i>IEEE Access</i> , <b>2020</b> , 8, 97321-97334	3.5	2
257	High-Gain Metasurface in Polyimide On-Chip Antenna Based on CRLH-TL for Sub-Terahertz Integrated Circuits. <i>Scientific Reports</i> , <b>2020</b> , 10, 4298	4.9	35
256	Design and Empirical Validation of a Bluetooth 5 Fog Computing Based Industrial CPS Architecture for Intelligent Industry 4.0 Shipyard Workshops. <i>IEEE Access</i> , <b>2020</b> , 8, 45496-45511	3.5	11
255	Impact of sensor data on intelligent environments. <i>Journal of Ambient Intelligence and Smart Environments</i> , <b>2020</b> , 12, 181-182	2.2	
254	Validation of 3D simulation tool for radio channel modeling at 60GHz: A meeting point for empirical and simulation-based models. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2020</b> , 163, 108038	4.6	4
253	Building Decentralized Fog Computing-Based Smart Parking Systems: From Deterministic Propagation Modeling to Practical Deployment. <i>IEEE Access</i> , <b>2020</b> , 8, 117666-117688	3.5	7

252	Study on improvement of the performance parameters of a novel 0.41-0.47 THz on-chip antenna based on metasurface concept realized on 50th GaAs-layer. <i>Scientific Reports</i> , <b>2020</b> , 10, 11034	4.9	32
251	Isolation enhancement of densely packed array antennas with periodic MTM-photonic bandgap for SAR and MIMO systems. <i>IET Microwaves, Antennas and Propagation</i> , <b>2020</b> , 14, 183-188	1.6	39
250	Design and Empirical Validation of a LoRaWAN IoT Smart Irrigation System. <i>Proceedings (mdpi)</i> , <b>2020</b> , 42, 62	0.3	16
249	Metasurface for Controlling Polarization of Scattered EM Waves <b>2020</b> ,		4
248	Metamaterial-Inspired Antenna Array for Application in Microwave Breast Imaging Systems for Tumor Detection. <i>IEEE Access</i> , <b>2020</b> , 8, 174667-174678	3.5	33
247	Deterministic Radio Channel Characterization for Near-Ground Wireless Sensor Networks Deployment Optimization in Smart Agriculture <b>2020</b> ,		2
246	<b>2020</b> ,		3
245	Analysis of Personal RF-EMF radiation exposure within Public Transportation Buses <b>2020</b> ,		1
244	Impedance Matching Network Based on Metasurfaces (2-D Metamaterials) for Electrically Small Antennas <b>2020</b> ,		2
243	Analysis, Design and Practical Validation of an Augmented Reality Teaching System Based on Microsoft HoloLens 2 and Edge Computing <b>2020</b> ,		3
242	Multi-Level Internet of Things Communication Strategy for Microgrid Smart Network. <i>Proceedings (mdpi)</i> , <b>2020</b> , 42, 38	0.3	
241	. <i>IEEE Access</i> , <b>2020</b> , 8, 83070-83080	3.5	3
240	Deterministic 3D Ray-Launching Millimeter Wave Channel Characterization for Vehicular Communications in Urban Environments. <i>Sensors</i> , <b>2020</b> , 20,	3.8	5
239	Isolation Improvement in UWB-MIMO Antenna System Using Slotted Stub. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1582	2.6	19
238	Aggregator to Electric Vehicle LoRaWAN Based Communication Analysis in Vehicle-to-Grid Systems in Smart Cities. <i>IEEE Access</i> , <b>2020</b> , 8, 124688-124701	3.5	11
237	Implementation of an Interactive Environment With Multilevel Wireless Links for Distributed Botanical Garden in University Campus. <i>IEEE Access</i> , <b>2020</b> , 8, 132382-132396	3.5	5
236	High-Gain On-Chip Antenna Design on Silicon Layer With Aperture Excitation for Terahertz Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2020</b> , 19, 1576-1580	3.8	42
235	Patient Tracking in a Multi-Building, Tunnel-Connected Hospital Complex. <i>IEEE Sensors Journal</i> , <b>2020</b> , 20, 14453-14464	4	3

234	. <i>IEEE Access</i> , <b>2020</b> , 8, 144778-144808	3.5	93
233	. <i>IEEE Access</i> , <b>2020</b> , 8, 178886-178899	3.5	10
232	. <i>IEEE Access</i> , <b>2020</b> , 8, 192965-193004	3.5	124
231	Artificial Intelligence in Government. <i>Computer</i> , <b>2020</b> , 53, 23-27	1.6	3
230	High Performance Metasurface-Based On-Chip Antenna for Terahertz Integrated Circuits <b>2020</b> ,		2
229	Improved adaptive impedance matching for RF front-end systems of wireless transceivers. <i>Scientific Reports</i> , <b>2020</b> , 10, 14065	4.9	15
228	. <i>IEEE Access</i> , <b>2020</b> , 8, 223287-223305	3.5	12
227	Hybrid Computational Techniques: Electromagnetic Propagation Analysis in Complex Indoor Environments. <i>IEEE Antennas and Propagation Magazine</i> , <b>2019</b> , 61, 20-30	1.7	9
226	Implementation of Radiating Elements for Radiofrequency Front-Ends by Screen-Printing Techniques for Internet of Things Applications. <i>Sensors</i> , <b>2019</b> , 19,	3.8	2
225	FDTD and Empirical Exploration of Human Body and UWB Radiation Interaction on TOF Ranging. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2019</b> , 18, 1119-1123	3.8	9
224	Beam-scanning leaky-wave antenna based on CRLH-metamaterial for millimetre-wave applications. <i>IET Microwaves, Antennas and Propagation</i> , <b>2019</b> , 13, 1129-1133	1.6	44
223	Super-Wide Impedance Bandwidth Planar Antenna for Microwave and Millimeter-Wave Applications. <i>Sensors</i> , <b>2019</b> , 19,	3.8	16
222	High-Isolation Leaky-Wave Array Antenna Based on CRLH-Metamaterial Implemented on SIW with $\beta$ 30o Frequency Beam-Scanning Capability at Millimetre-Waves. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 642	2.6	46
221	Context-Aware Environments in Passenger Train Transportation Systems: Ideas, Feasibility and Risks. <i>Lecture Notes in Electrical Engineering</i> , <b>2019</b> , 279-285	0.2	
220	Analysis, Design and Empirical Validation of a Smart Campus Based on LoRaWAN. <i>Proceedings (mdpi)</i> , <b>2019</b> , 4, 7	0.3	1
219	Spatial Characterization of Personal RF-EMF Exposure in Public Transportation Buses. <i>IEEE Access</i> , <b>2019</b> , 7, 33038-33054	3.5	11
218	Impact of Body Wearable Sensor Positions on UWB Ranging. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 11449-11457		12
217	Design and Experimental Validation of a LoRaWAN Fog Computing Based Architecture for IoT Enabled Smart Campus Applications. <i>Sensors</i> , <b>2019</b> , 19,	3.8	27

216	Performance Evaluation and Interference Characterization of Wireless Sensor Networks for Complex High-Node Density Scenarios. <i>Sensors</i> , <b>2019</b> , 19,	3.8	6
215	Surface Wave Reduction in Antenna Arrays Using Metasurface Inclusion for MIMO and SAR Systems. <i>Radio Science</i> , <b>2019</b> , 54, 1067-1075	1.4	29
214	A Radio Channel Model for D2D Communications Blocked by Single Trees in Forest Environments. <i>Sensors</i> , <b>2019</b> , 19,	3.8	8
213	Enhanced Accuracy of Breast Cancer Detection Based on UWB Compact Slotted Monopole Antennas. <i>Advanced Electromagnetics</i> , <b>2019</b> , 8, 1-6	1.2	2
212	Performance Evaluation and Interference Characterization of Wireless Sensor Networks for Complex High-Node Density Scenarios. <i>Proceedings (mdpi)</i> , <b>2019</b> , 4, 28	0.3	
211	A Novel 0.3-0.31 THz GaAs-Based Transceiver with On-Chip Slotted Metamaterial Antenna Based on SIW Technology <b>2019</b> ,		9
210	Automated Reconfigurable Antenna Impedance for Optimum Power Transfer <b>2019</b> ,		3
209	Overcome the Limitations of Performance Parameters of On-Chip Antennas Based on Metasurface and Coupled Feeding Approaches for Applications in System-on-Chip for THz Integrated-Circuits <b>2019</b> ,		5
208	Radio Channel Characterization in Dense Forest Environments for IoT-5G. <i>Proceedings (mdpi)</i> , <b>2019</b> , 4, 19	0.3	2
207	High-Performance 50 $\mu$ m Silicon-Based On-Chip Antenna with High Port-to-Port Isolation Implemented by Metamaterial and SIW Concepts for THz Integrated Systems <b>2019</b> ,		4
206	Silicon-Based 0.450-0.475 THz Series-Fed Double Dielectric Resonator On-Chip Antenna Array Based on Metamaterial Properties for Integrated-Circuits <b>2019</b> ,		7
205	Effects of the Body Wearable Sensor Position on the UWB Localization Accuracy. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 1351	2.6	15
204	Integration of Autonomous Wireless Sensor Networks in Academic School Gardens. <i>Proceedings (mdpi)</i> , <b>2018</b> , 2, 108	0.3	
203	Wireless System Integration to Enable Smart Cities and Smart Regions. <i>Proceedings (mdpi)</i> , <b>2018</b> , 2, 109	0.3	
202	<b>2018</b> ,		4
201	Implementation and Operational Analysis of an Interactive Intensive Care Unit within a Smart Health Context. <i>Sensors</i> , <b>2018</b> , 18,	3.8	12
200	Study on isolation improvement between closely-packed patch antenna arrays based on fractal metamaterial electromagnetic bandgap structures. <i>IET Microwaves, Antennas and Propagation</i> , <b>2018</b> , 12, 2241-2247	1.6	71
199	Deterministic Propagation Modeling for Intelligent Vehicle Communication in Smart Cities. <i>Sensors</i> , <b>2018</b> , 18,	3.8	8

198	Wideband printed monopole antenna for application in wireless communication systems. <i>IET Microwaves, Antennas and Propagation</i> , <b>2018</b> , 12, 1222-1230	1.6	28
197	Wireless Performance in Dense-Transceiver Scenarios to Enable Context-Aware Scenarios <b>2018</b> , 329-350		
196	BREAST TUMOR DETECTION SYSTEM BASED ON A COMPACT UWB ANTENNA DESIGN. <i>Progress in Electromagnetics Research M</i> , <b>2018</b> , 64, 123-133	0.6	12
195	Integration of Wireless Sensor Networks in Intelligent Transportation Systems within Smart City Context <b>2018</b> ,		3
194	<b>2018</b> ,		4
193	New Approach to Suppress Mutual Coupling Between Longitudinal-Slotted Arrays Based on SIW Antenna Loaded with Metal-Fences Working on VHF/UHF Frequency-Bands: Study, Investigation, and Principle <b>2018</b> ,		3
192	Characterization of Near-Ground Radio Propagation Channel for Wireless Sensor Network with Application in Smart Agriculture. <i>Proceedings (mdpi)</i> , <b>2018</b> , 2, 110	0.3	1
191	Integration of Autonomous Wireless Sensor Networks in Academic School Gardens. <i>Sensors</i> , <b>2018</b> , 18,	3.8	6
190	<b>2018</b> ,		2
189	Deterministic Propagation Modeling for Intelligent Vehicle Communication in Smart Cities. <i>Proceedings (mdpi)</i> , <b>2018</b> , 2, 107	0.3	
188	Mutual-Coupling Reduction in Metamaterial Substrate Integrated Waveguide Slotted Antenna Arrays Using Metal Fence Isolators for SAR and MIMO Applications <b>2018</b> ,		2
187	<b>2018</b> ,		2
186	A New Waveguide Slot Array Antenna with High Isolation and High Antenna Bandwidth Operation on Ku- and K-bands for Radar and MIMO Systems <b>2018</b> ,		3
185	Antenna Mutual Coupling Suppression Over Wideband Using Embedded Periphery Slot for Antenna Arrays. <i>Electronics (Switzerland)</i> , <b>2018</b> , 7, 198	2.6	41
184	Narrowband Characterization of Near-Ground Radio Channel for Wireless Sensors Networks at 5G-IoT Bands. <i>Sensors</i> , <b>2018</b> , 18,	3.8	14
183	META-SURFACE WALL SUPPRESSION OF MUTUAL COUPLING BETWEEN MICROSTRIP PATCH ANTENNA ARRAYS FOR THZ-BAND APPLICATIONS. <i>Progress in Electromagnetics Research Letters</i> , <b>2018</b> , 75, 105-111	0.5	38
182	Interaction Between Closely Packed Array Antenna Elements Using Meta-Surface for Applications Such as MIMO Systems and Synthetic Aperture Radars. <i>Radio Science</i> , <b>2018</b> , 53, 1368-1381	1.4	41
181	Comparative Study of Radiofrequency Electromagnetic Exposure in the Public Shopping Centers <b>2018</b> ,		3



180	A Hybrid Ray Launching-Diffusion Equation Approach for Propagation Prediction in Complex Indoor Environments. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 214-217	3.8	28
179	Investigating a two headed monster. <i>ACM SIGCAS Computers and Society</i> , <b>2017</b> , 46, 12-17	0	1
178	Optimization and Design of Wireless Systems for the Implementation of Context Aware Scenarios in Railway Passenger Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2017</b> , 18, 2838-2850	6.1	12
177	Theoretical approach to optimize fiber Bragg grating sensor performance using an automated new code. <i>Optik</i> , <b>2017</b> , 140, 634-643	2.5	1
176	Closed-form expression to optimize the fiber Bragg grating sensor apodization performance. <i>Microwave and Optical Technology Letters</i> , <b>2017</b> , 59, 1947-1950	1.2	1
175	Influence of meshing adaption in convergence performance of deterministic ray launching estimation in indoor scenarios. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2017</b> , 31, 544-559	1.3	11
174	Optimized Wireless Channel Characterization in Large Complex Environments by Hybrid Ray Launching-Collaborative Filtering Approach. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2017</b> , 16, 780-783	3.8	33
173	Response of complementary split ring resonators in composite stratified substrate integrated waveguide. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 194902	2.5	
172	Design and Implementation of Context Aware Applications With Wireless Sensor Network Support in Urban Train Transportation Environments. <i>IEEE Sensors Journal</i> , <b>2017</b> , 17, 169-178	4	30
171	SesToCross: Semantic Expert System to Manage Single-Lane Road Crossing. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2017</b> , 18, 1221-1233	6.1	9
170	The evaluation of stationary and mobile components of radiofrequency electromagnetic exposure in the public accessible environment <b>2017</b> ,		4
169	Spatial Characterization of Radio Propagation Channel in Urban Vehicle-to-Infrastructure Environments to Support WSNs Deployment. <i>Sensors</i> , <b>2017</b> , 17,	3.8	14
168	Challenges in Wireless System Integration as Enablers for Indoor Context Aware Environments. <i>Sensors</i> , <b>2017</b> , 17,	3.8	7
167	Analysis of Bluetooth-Based Wireless Sensor Networks Performance in Hospital Environments. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 3	0.3	3
166	Characterization of Radio Propagation Channel in Urban Vehicle to Infrastructure Environments to Support WSNs. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 19	0.3	1
165	Challenges in Wireless System Integration in the Implementation of Smart City Environments. <i>Proceedings (mdpi)</i> , <b>2017</b> , 1, 44	0.3	
164	Highly efficient error correcting codes for ubiquitous healthcare in Wireless Body Area Networks <b>2016</b> ,		2
163	Intelligent Vehicle Communication: Deterministic Propagation Prediction in Transportation Systems. <i>IEEE Vehicular Technology Magazine</i> , <b>2016</b> , 11, 29-37	9.9	28

162	Design and performance analysis of wireless body area networks in complex indoor e-Health hospital environments for patient remote monitoring. <i>International Journal of Distributed Sensor Networks</i> , <b>2016</b> , 12, 155014771666806	1.7	9
161	Implementation and Analysis of ISM 2.4 GHz Wireless Sensor Network Systems in Judo Training Venues. <i>Sensors</i> , <b>2016</b> , 16,	3.8	7
160	Performance Analysis of ZigBee Wireless Networks for AAL through Hybrid Ray Launching and Collaborative Filtering. <i>Journal of Sensors</i> , <b>2016</b> , 2016, 1-16	2	4
159	Implementation of Context Aware e-Health Environments Based on Social Sensor Networks. <i>Sensors</i> , <b>2016</b> , 16, 310	3.8	15
158	Evaluation of Deployment Challenges of Wireless Sensor Networks at Signalized Intersections. <i>Sensors</i> , <b>2016</b> , 16,	3.8	9
157	Implementation and Analysis of a Wireless Sensor Network-Based Pet Location Monitoring System for Domestic Scenarios. <i>Sensors</i> , <b>2016</b> , 16,	3.8	13
156	Reduction of Four-Wave Mixing nonlinear effects in dense WDM optical long-haul networks <b>2016</b> ,		2
155	Experimental demonstration of metamaterials application for mitigating scan blindness in phased array antennas. <i>EPJ Applied Metamaterials</i> , <b>2016</b> , 3, 9	0.8	6
154	Generation of circularly polarized waves based on electro inductive-wave (EIW) coupling to chains of complementary split ring resonators. <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 174905	2.5	0
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6	Interaction effects between electromagnetic bandgap structures and split ring resonators in microstrip technology		2
5	Metamaterials in microstrip technology for filter applications		13
4	Split rings resonators: key particles for microwave device design		3
3	Metamaterial microstrip backward couplers for fully planar fabrication techniques		1
2	Super compact split ring resonators CPW band pass filters		18
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