

# Francisco Falcone

## List of Publications by Citations

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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	Equivalent-circuit models for split-ring resonators and complementary split-ring resonators coupled to planar transmission lines. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2005</b> , 53, 1451-1461	4.1	966
304	Babinet principle applied to the design of metasurfaces and metamaterials. <i>Physical Review Letters</i> , <b>2004</b> , 93, 197401	7.4	596
303	Effective negative-/spl epsiv/ stopband microstrip lines based on complementary split ring resonators. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2004</b> , 14, 280-282	2.6	505
302	<b>2014</b> , 52, 74-81		352
301	Split ring resonator-based left-handed coplanar waveguide. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 4652-4654	3.4	276
300	Miniaturized coplanar waveguide stop band filters based on multiple tuned split ring resonators. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2003</b> , 13, 511-513	2.6	175
299	Microwave filters with improved stopband based on sub-wavelength resonators. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2005</b> , 53, 1997-2006	4.1	137
298	Spurious passband suppression in microstrip coupled line band pass filters by means of split ring resonators. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2004</b> , 14, 416-418	2.6	131
297	. <i>IEEE Access</i> , <b>2020</b> , 8, 192965-193004	3.5	124
296	Broadband spoof plasmons and subwavelength electromagnetic energy confinement on ultrathin metafilms. <i>Optics Express</i> , <b>2009</b> , 17, 18184-95	3.3	114
295	. <i>IEEE Access</i> , <b>2020</b> , 8, 144778-144808	3.5	93
294	A new LC series element for compact bandpass filter design. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2004</b> , 14, 210-212	2.6	88
293	Microstrip "wiggly-line" bandpass filters with multispurious rejection. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2004</b> , 14, 531-533	2.6	87
292	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
291	An easy to deploy street light control system based on wireless communication and LED technology. <i>Sensors</i> , <b>2013</b> , 13, 6492-523	3.8	69
290	Left handed coplanar waveguide band pass filters based on bi-layer split ring resonators. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2004</b> , 14, 10-12	2.6	68
289	Electroinductive waves in chains of complementary metamaterial elements. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 083503	3.4	67

288	A Review of IoT Sensing Applications and Challenges Using RFID and Wireless Sensor Networks. <i>Sensors</i> , <b>2020</b> , 20,	3.8	66
287	A Ray Launching-Neural Network Approach for Radio Wave Propagation Analysis in Complex Indoor Environments. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2014</b> , 62, 2777-2786	4.9	66
286	1-D and 2-D photonic bandgap microstrip structures <b>1999</b> , 22, 411-412		65
285	Very low-profile "Bull's Eye" feeder antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2005</b> , 4, 365-368	3.8	62
284	Coplanar waveguide structures loaded with split-ring resonators. <i>Microwave and Optical Technology Letters</i> , <b>2004</b> , 40, 3-6	1.2	57
283	Extraordinary transmission and left-handed propagation in miniaturized stacks of doubly periodic subwavelength hole arrays. <i>Optics Express</i> , <b>2007</b> , 15, 1107-14	3.3	54
282	Molding Left- or Right-Handed Metamaterials by Stacked Cutoff Metallic Hole Arrays. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2007</b> , 55, 1514-1521	4.9	53
281	Application of complementary split-ring resonators to the design of compact narrow band-pass structures in microstrip technology. <i>Microwave and Optical Technology Letters</i> , <b>2005</b> , 46, 508-512	1.2	51
280	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
279	E-Government Interoperability: Linking Open and Smart Government. <i>Computer</i> , <b>2014</b> , 47, 22-24	1.6	46
278	Dual-band low-profile corrugated feeder antenna. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2006</b> , 54, 340-350	4.9	45
277	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
276	Novel photonic bandgap microstrip structures using network topology. <i>Microwave and Optical Technology Letters</i> , <b>2000</b> , 25, 33-36	1.2	44
275	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
274	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
273	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
272	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
271	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

270	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
269	Ab initio analysis of frequency selective surfaces based on conventional and complementary split ring resonators. <i>Journal of Optics</i> , <b>2005</b> , 7, S38-S43		37
268	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
267	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
266	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. <i>Sensors</i> , <b>2012</b> , 12, 15689-7083	3.8	33
265	Comparison of electromagnetic band gap and split-ring resonator microstrip lines as stop band structures. <i>Microwave and Optical Technology Letters</i> , <b>2005</b> , 44, 376-379	1.2	33
264	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
263	Study on improvement of the performance parameters of a novel 0.41-0.47 THz on-chip antenna based on metasurface concept realized on 50 <sup>th</sup> GaAs-layer. <i>Scientific Reports</i> , <b>2020</b> , 10, 11034	4.9	32
262	Dual electromagnetic bandgap CPW structures for filter applications. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2003</b> , 13, 393-395	2.6	32
261	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
260	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
259	Complementary split-ring resonator for compact waveguide filter design. <i>Microwave and Optical Technology Letters</i> , <b>2005</b> , 46, 88-92	1.2	29
258	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
257	Intelligent Vehicle Communication: Deterministic Propagation Prediction in Transportation Systems. <i>IEEE Vehicular Technology Magazine</i> , <b>2016</b> , 11, 29-37	9.9	28
256	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
255	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
254	Route for Bulk Millimeter Wave and Terahertz Metamaterial Design. <i>IEEE Journal of Quantum Electronics</i> , <b>2011</b> , 47, 375-385	2	26
253	Measurement and modeling of a UHF-RFID system in a metallic closed vehicle. <i>Microwave and Optical Technology Letters</i> , <b>2012</b> , 54, 2126-2130	1.2	25

252	A novel compact printed circular antenna for very ultrawideband applications. <i>Microwave and Optical Technology Letters</i> , <b>2009</b> , 51, 1130-1133	1.2	25
251	Performance Analysis of IEEE 802.15.4 Compliant Wireless Devices for Heterogeneous Indoor Home Automation Environments. <i>International Journal of Antennas and Propagation</i> , <b>2012</b> , 2012, 1-14	1.2	24
250	Development and Characterization of Quasi-Optical Mesh Filters and Metastructures for Subterahertz and Terahertz Applications. <i>Key Engineering Materials</i> , <b>2010</b> , 437, 276-280	0.4	24
249	A Series Solution for the Single-Mode Synthesis Problem Based on the Coupled-Mode Theory. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2008</b> , 56, 457-466	4.1	24
248	Stepped-impedance lowpass filters with spurious passband suppression. <i>Electronics Letters</i> , <b>2004</b> , 40, 881	1.1	24
247	Analysis and description of HOLTIN service provision for AECG monitoring in complex indoor environments. <i>Sensors</i> , <b>2013</b> , 13, 4947-60	3.8	22
246	Forward and backward leaky wave radiation in split-ring-resonator-based metamaterials. <i>IET Microwaves, Antennas and Propagation</i> , <b>2007</b> , 1, 65	1.6	22
245	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
244	Very Low Profile and Dielectric Loaded Feeder Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2007</b> , 6, 544-548	3.8	21
243	New periodic-loaded electromagnetic bandgap coplanar waveguide with complete spurious passband suppression. <i>IEEE Microwave and Wireless Components Letters</i> , <b>2002</b> , 12, 435-437	2.6	21
242	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
241	Evaluation of electromagnetic interference and exposure assessment from s-health solutions based on Wi-Fi devices. <i>BioMed Research International</i> , <b>2015</b> , 2015, 784362	3	20
240	Low-profile corrugated feeder antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , <b>2005</b> , 4, 378-380	3.8	20
239	Stop-band and band-pass characteristics in coplanar waveguides coupled to spiral resonators. <i>Microwave and Optical Technology Letters</i> , <b>2004</b> , 42, 386-388	1.2	20
238	IVAN: intelligent van for the distribution of pharmaceutical drugs. <i>Sensors</i> , <b>2012</b> , 12, 6587-609	3.8	19
237	Isolation Improvement in UWB-MIMO Antenna System Using Slotted Stub. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1582	2.6	19
236	Super compact split ring resonators CPW band pass filters		18
235	Compact photonic bandgap microstrip structures. <i>Microwave and Optical Technology Letters</i> , <b>1999</b> , 23, 233-236	1.2	18

234	Analysis and design of 1-D photonic bandgap microstrip structures using a fiber grating model <b>1999</b> , 22, 223-226		17
233	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
232	Super-Wide Impedance Bandwidth Planar Antenna for Microwave and Millimeter-Wave Applications. <i>Sensors</i> , <b>2019</b> , 19,	3.8	16
231	Design and Empirical Validation of a LoRaWAN IoT Smart Irrigation System. <i>Proceedings (mdpi)</i> , <b>2020</b> , 42, 62	0.3	16
230	Electromagnetic crystals in microstrip technology. <i>Optical and Quantum Electronics</i> , <b>2002</b> , 34, 279-295	2.4	16
229	Analysis of estimation of electromagnetic dosimetric values from non-ionizing radiofrequency fields in conventional road vehicle environments. <i>Electromagnetic Biology and Medicine</i> , <b>2015</b> , 34, 19-28	2.2	15
228	Characterization of Wireless Channel Impact on Wireless Sensor Network Performance in Public Transportation Buses. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2015</b> , 16, 3280-3293	6.1	15
227	Novel microstrip backward coupler with metamaterial cells for fully planar fabrication techniques. <i>Microwave and Optical Technology Letters</i> , <b>2006</b> , 48, 1205-1209	1.2	15
226	Compact coplanar waveguide band-pass filter at the S-band. <i>Microwave and Optical Technology Letters</i> , <b>2005</b> , 46, 33-35	1.2	15
225	Improved 2-D photonic bandgap structures in microstrip technology <b>1999</b> , 22, 207-211		15
224	Improved adaptive impedance matching for RF front-end systems of wireless transceivers. <i>Scientific Reports</i> , <b>2020</b> , 10, 14065	4.9	15
223	Implementation of Context Aware e-Health Environments Based on Social Sensor Networks. <i>Sensors</i> , <b>2016</b> , 16, 310	3.8	15
222	Effects of the Body Wearable Sensor Position on the UWB Localization Accuracy. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 1351	2.6	15
221	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
220	Analysis of radio wave propagation for ISM 2.4 GHz Wireless Sensor Networks in inhomogeneous vegetation environments. <i>Sensors</i> , <b>2014</b> , 14, 23650-72	3.8	14
219	ZigBee Radio Channel Analysis in a Complex Vehicular Environment [Wireless Corner]. <i>IEEE Antennas and Propagation Magazine</i> , <b>2014</b> , 56, 232-245	1.7	14
218	Development of a low mobility IEEE 802.15.4 compliant VANET system for urban environments. <i>Sensors</i> , <b>2013</b> , 13, 7065-78	3.8	14
217	Stacked complementary metasurfaces for ultraslow microwave metamaterials. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 164103	3.4	14

216	Electroinductive waves role in left-handed stacked complementary split rings resonators. <i>Optics Express</i> , <b>2009</b> , 17, 1274-81	3.3	14
215	New CPW low-pass filter based on a slow wave structure. <i>Microwave and Optical Technology Letters</i> , <b>2003</b> , 38, 190-193	1.2	14
214	An accurate UTD extension to a ray-launching algorithm for the analysis of complex indoor radio environments. <i>Journal of Electromagnetic Waves and Applications</i> , <b>2016</b> , 30, 43-60	1.3	14
213	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
212	Estimation of radiofrequency power leakage from microwave ovens for dosimetric assessment at nonionizing radiation exposure levels. <i>BioMed Research International</i> , <b>2015</b> , 2015, 603260	3	13
211	Metamaterials in microstrip technology for filter applications		13
210	Bragg Reflectors and Resonators in Microstrip Technology Based on Electromagnetic Crystal Structures. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , <b>1999</b> , 20, 1091-1102		13
209	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
208	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
207	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
206	Impact of Body Wearable Sensor Positions on UWB Ranging. <i>IEEE Sensors Journal</i> , <b>2019</b> , 19, 11449-11457		12
205	. <i>IEEE Access</i> , <b>2020</b> , 8, 223287-223305	3.5	12
204	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
203	Spatial Characterization of Personal RF-EMF Exposure in Public Transportation Buses. <i>IEEE Access</i> , <b>2019</b> , 7, 33038-33054	3.5	11
202	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
201	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
200	Estimation of electromagnetic dosimetric values from non-ionizing radiofrequency fields in an indoor commercial airplane environment. <i>Electromagnetic Biology and Medicine</i> , <b>2014</b> , 33, 252-63	2.2	11
199	A COMPACT SPLIT RING RESONATOR ANTENNA FOR WIRELESS COMMUNICATION SYSTEMS. <i>Progress in Electromagnetics Research Letters</i> , <b>2013</b> , 36, 201-207	0.5	11

198	Single negative birefringence in stacked spoof plasmon metasurfaces by prism experiment. <i>Optics Letters</i> , <b>2010</b> , 35, 643-5	3	11
197	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
196	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
195	Compact spurious free CPW bandpass filters based on electromagnetic bandgap structures. <i>Microwave and Optical Technology Letters</i> , <b>2004</b> , 40, 146-148	1.2	10
194	. <i>IEEE Access</i> , <b>2020</b> , 8, 178886-178899	3.5	10
193	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
192	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
191	Analysis of wireless sensor network topology and estimation of optimal network deployment by deterministic radio channel characterization. <i>Sensors</i> , <b>2015</b> , 15, 3766-88	3.8	9
190	Fifth-Generation (5G) mmWave Spatial Channel Characterization for Urban Environments' System Analysis. <i>Sensors</i> , <b>2020</b> , 20,	3.8	9
189	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
188	Characterization and consideration of topological impact of wireless propagation in a commercial aircraft environment [wireless corner]. <i>IEEE Antennas and Propagation Magazine</i> , <b>2013</b> , 55, 240-258	1.7	9
187	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
186	Ubiquitous connected train based on train-to-ground and intra-wagon communications capable of providing on trip customized digital services for passengers. <i>Sensors</i> , <b>2014</b> , 14, 8003-25	3.8	9
185	Frequency tuning in electromagnetic bandgap nonlinear transmission lines. <i>Electronics Letters</i> , <b>2003</b> , 39, 440	1.1	9
184	Evaluation of Deployment Challenges of Wireless Sensor Networks at Signalized Intersections. <i>Sensors</i> , <b>2016</b> , 16,	3.8	9
183	A Novel 0.3-0.31 THz GaAs-Based Transceiver with On-Chip Slotted Metamaterial Antenna Based on SIW Technology <b>2019</b> ,		9
182	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
181	Future Smartphone: MIMO Antenna System for 5G Mobile Terminals. <i>IEEE Access</i> , <b>2021</b> , 9, 91593-91603	3.5	9



180	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
179	Deterministic Propagation Modeling for Intelligent Vehicle Communication in Smart Cities. <i>Sensors</i> , <b>2018</b> , 18,	3.8	8
178	A Radio Channel Model for D2D Communications Blocked by Single Trees in Forest Environments. <i>Sensors</i> , <b>2019</b> , 19,	3.8	8
177	Band-pass filter-like antenna validation in an ultra-wideband in-car wireless channel. <i>IET Communications</i> , <b>2015</b> , 9, 532-540	1.3	8
176	Study of the delay characteristics of 1-D photonic bandgap microstrip structures <b>1999</b> , 23, 346-349		8
175	. <i>IEEE Access</i> , <b>2021</b> , 9, 71553-71562	3.5	8
174	Radio Wave Propagation and WSN Deployment in Complex Utility Tunnel Environments. <i>Sensors</i> , <b>2020</b> , 20,	3.8	7
173	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
172	Implementing context aware scenarios to enable smart health in complex urban environments <b>2014</b> ,		7
171	Challenges in Wireless System Integration as Enablers for Indoor Context Aware Environments. <i>Sensors</i> , <b>2017</b> , 17,	3.8	7
170	A coplanar waveguide-fed printed antenna with complementary split ring resonator for wireless communication systems. <i>Waves in Random and Complex Media</i> , <b>2015</b> , 25, 43-51	1.9	7
169	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
168	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
167	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
166	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
165	Mastering the Propagation Through Stacked Perforated Plates: Subwavelength Holes vs. Propagating Holes. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2011</b> , 59, 2980-2988	4.9	6
164	Negative group delay through subwavelength hole arrays. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	6
163	Enhanced gain dual band patch antenna based on complementary rectangular split-ring resonators. <i>Microwave and Optical Technology Letters</i> , <b>2011</b> , 53, 590-594	1.2	6

162	Connection between extraordinary transmission and negative refraction in a prism of stacked sub-wavelength hole arrays. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 165504	3	6
161	Analysis of the Reflection Properties in Electromagnetic Bandgap Coplanar Waveguides Loaded with Reactive Elements. <i>Progress in Electromagnetics Research</i> , <b>2003</b> , 42, 27-48	3.8	6
160	Gain Improvement of Dual Band Antenna Based on Complementary Rectangular Split-Ring Resonator. <i>ISRN Communications and Networking</i> , <b>2012</b> , 2012, 1-9		6
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139	The evaluation of stationary and mobile components of radiofrequency electromagnetic exposure in the public accessible environment <b>2017</b> ,		4
138	Dense wireless sensor network design for the implementation of Smart Health environments <b>2015</b> ,		4
137	Signal processing requirements for step detection using wrist-worn IMU <b>2015</b> ,		4
136	Metaradome for blind spot mitigation in phased-array antennas <b>2014</b> ,		4
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37	Towards a Train-to-Ground and Intra-wagon Communications Solution Capable of Providing on Trip Customized Digital Services for Passengers. <i>Lecture Notes in Computer Science, 2013, 334-341</i>	0.9	1



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