

# Francisco Javier Herraiz-Martínez

## List of Publications by Year in descending order

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47  
papers

843  
citations

567281

15  
h-index

526287

27  
g-index

47  
all docs

47  
docs citations

47  
times ranked

715  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resonator-Based Microwave Metamaterial Sensors for Instrumentation: Survey, Classification, and Performance Comparison. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-14.	4.7	34
2	Dual-Band Metamaterial-inspired Microwave Sensor For Liquid Dielectric Spectroscopy. , 2021, , .		0
3	A Novel Dielectric Resonator-Based Passive Sensor for Drop-Volume Binary Mixtures Classification. IEEE Sensors Journal, 2021, 21, 20156-20164.	4.7	16
4	A Contactless Dielectric Constant Sensing System Based on a Split-Ring Resonator-Loaded Monopole. IEEE Sensors Journal, 2018, 18, 4491-4502.	4.7	15
5	A Contactless RFID System Based on Chipless MIW Tags. IEEE Transactions on Antennas and Propagation, 2018, 66, 5064-5071.	5.1	10
6	Small printed log-periodic array, matched with an active non-foster network. , 2017, , .		2
7	Design of a low-cost wireless reader for an electromagnetic passive temperature sensor. , 2017, , .		0
8	An IoT Reader for Wireless Passive Electromagnetic Sensors. Sensors, 2017, 17, 693.	3.8	8
9	Wireless system for the measurement of passive electromagnetic sensors in laboratories. , 2017, , .		1
10	Design Method for Actively Matched Antennas With Non-Foster Elements. IEEE Transactions on Antennas and Propagation, 2016, 64, 4118-4123.	5.1	9
11	Design and Characterization of a Passive Temperature Sensor Based on a Printed MIW Delay Line. IEEE Sensors Journal, 2016, 16, 7884-7891.	4.7	10
12	Split-Ring Resonator-based sensor for thin-film sensing applications. , 2016, , .		3
13	Submersible Printed Split-Ring Resonator-Based Sensor for Thin-Film Detection and Permittivity Characterization. IEEE Sensors Journal, 2016, 16, 3587-3596.	4.7	148
14	A passive temperature sensor based on a printed magnetoinductive-wave (MIW) delay line. , 2015, , .		5
15	Leaky-wave antenna (LWA) based on slot line and non-bianisotropic split ring resonators (NB-SRRs) and comparison with CPW approach. , 2014, , .		4
16	Dyson conical Quad-Spiral Array for VLBI2010. , 2014, , .		4
17	Chipless RFID tags based on magneto-inductive or electro-inductive delay lines. , 2013, , .		1
18	Fundamental-Mode Leaky-Wave Antenna (LWA) Using Slotline and Split-Ring-Resonator (SRR)-Based Metamaterials. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1424-1427.	4.0	34

#	ARTICLE	IF	CITATIONS
19	Bandwidth limitations of ultra high frequency radio frequency identification tags. IET Microwaves, Antennas and Propagation, 2013, 7, 788-794.	1.4	9
20	FREE-SPACE AND ON-METAL DUAL-BAND TAG FOR UHF-RFID APPLICATIONS IN EUROPE AND USA. Progress in Electromagnetics Research, 2013, 141, 577-590.	4.4	8
21	QUAD-FREQUENCY LINEARLY-POLARIZED AND DUAL-FREQUENCY CIRCULARLY-POLARIZED MICROSTRIP PATCH ANTENNAS WITH CRLH LOADING. Progress in Electromagnetics Research, 2013, 133, 91-115.	4.4	18
22	Printed Magnetoinductive-Wave (MIW) Delay Lines for Chipless RFID Applications. IEEE Transactions on Antennas and Propagation, 2012, 60, 5075-5082.	5.1	59
23	Chipless RFID system based on magnetoinductive-wave (MIW) delay lines. , 2012, , .		2
24	Dual-band RFID tags based on folded dipole antennas loaded with spiral resonators. , 2012, , .		4
25	Recent Advances in Multiband Printed Antennas Based on Metamaterial Loading. Advances in OptoElectronics, 2012, 2012, 1-12.	0.6	6
26	Dual-band printed dipole antenna loaded with open complementary split ring resonators for wireless applications. Microwave and Optical Technology Letters, 2012, 54, 1014-1017.	1.4	23
27	Multiband Printed Monopole Antennas Loaded With OCSRRs for PANs and WLANs. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1528-1531.	4.0	80
28	Left-Handed Wire Antennas Over Ground Plane With Wideband Tuning. IEEE Transactions on Antennas and Propagation, 2011, 59, 1460-1471.	5.1	15
29	Dual-Band UHF-RFID Tags Based on Meander-Line Antennas Loaded With Spiral Resonators. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 768-771.	4.0	41
30	MULTIFREQUENCY SELF-DIPLEXED SINGLE PATCH ANTENNAS LOADED WITH SPLIT RING RESONATORS. Progress in Electromagnetics Research, 2011, 113, 47-66.	4.4	53
31	Planar superstrate for dual-frequency RHCP-LHCP array. Applied Physics A: Materials Science and Processing, 2011, 103, 843-848.	2.3	2
32	Planar superstrate made with meta-material particles for dual-polarized dual-frequency antennas and circularly polarized antennas. , 2010, , .		1
33	FILTERING LENS STRUCTURE BASED ON SRRS IN THE LOW THZ BAND. Progress in Electromagnetics Research, 2009, 93, 71-90.	4.4	14
34	Tunable left-handed monopole and loop antennas. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	6
35	Design of dual-frequency SRR-loaded dipole with equivalent circuit approach. Electronics Letters, 2009, 45, 964.	1.0	5
36	Dual-Frequency Printed Dipole Loaded With Split Ring Resonators. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 137-140.	4.0	53

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37	Self-Diplexed Patch Antennas Based on Metamaterials for Active RFID Systems. IEEE Transactions on Microwave Theory and Techniques, 2009, 57, 1330-1340.	4.6	30
38	Multi-Frequency Printed Dipoles Loaded with Metamaterial Particles. , 2008, , .		1
39	Dual-frequency printed dipole loaded with metamaterial particles. , 2008, , .		9
40	Patch Antennas partially filled with CRLH cells for Self-Diplexed Antennas for RFID Application. , 2008, , .		3
41	Multifrequency and Dual-Mode Patch Antennas Partially Filled With Left-Handed Structures. IEEE Transactions on Antennas and Propagation, 2008, 56, 2527-2539.	5.1	70
42	Multi-frequency microstrip patch antennas based on metamaterial structures. , 2007, , .		3
43	A dual band circularly polarized antenna based on a microstrip patch filled with left-handed structures. , 2007, , .		2
44	Hexagonal metallo-dielectric periodic structure: characterization and application. , 2007, , .		0
45	Low-Cost Approach Based on an Eigenfrequency Method to Obtain the Dispersion Diagram in CRLH Structures. IEEE Microwave and Wireless Components Letters, 2007, 17, 13-15.	3.2	18
46	Multifunction patch antennas filled with metamaterial structures. , 2007, , .		2
47	Self-diplexed antenna based on metamaterials for RFID application. , 2007, , .		2