

Benito Sanz Izquierdo

List of Publications by Year in descending order

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1845
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#	ARTICLE	IF	CITATIONS
1	Compact and Wideband Crossed Dipole Antenna Using Coupling Stub for Circular Polarization. IEEE Transactions on Antennas and Propagation, 2022, 70, 27-34.	5.1	8
2	Wideband Differentially-Fed Slot Antenna and Array With Circularly Polarized Radiation for Millimeter-Wave Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 5418-5429.	5.1	5
3	A Compact Dual-Polarized Filtering Antenna With Steep Cut-Off for Base-Station Applications. IEEE Transactions on Antennas and Propagation, 2022, 70, 5941-5946.	5.1	12
4	Dual RFID Tag System for AC Current Sensing. , 2022, , .		1
5	Manufacturing Considerations for the Development of Reconfigurable Antennas Using Inexpensive Inkjet Printing. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2022, 12, 1021-1028.	2.5	2
6	A Novel Differentially-Fed Dual-Polarized Filtering Antenna for Base Station. , 2022, , .		1
7	A Wideband Circular-Polarized Beam Steering Dielectric Resonator Antenna Using Gravitational Ball Lens. IEEE Transactions on Antennas and Propagation, 2021, 69, 2963-2968.	5.1	16
8	Design of a Wideband Dual-Feed Circularly Polarized Antenna for Different Axial Ratio Requirements. IEEE Antennas and Wireless Propagation Letters, 2021, 20, 88-92.	4.0	11
9	Origami Boat Sensing Antenna. , 2021, , .		1
10	Low-cost Inkjet Printed Paper Poster FSS for 5G Applications. , 2021, , .		3
11	Alternating Current Sensing Slot Antenna. IEEE Sensors Journal, 2021, 21, 9484-9491.	4.7	4
12	Wideband Differentially Fed Dual-Polarized Antenna by Using Three-Strip Transmission Lines. IEEE Transactions on Antennas and Propagation, 2021, 69, 4172-4177.	5.1	8
13	Manufacturing, Developments and Constraints in full 3D Printing of Frequency Selective Surface using Low-Cost Open-Source Printer. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2021, , 1-1.	2.5	4
14	RFID AC Current Sensing Technique. IEEE Sensors Journal, 2020, 20, 2197-2204.	4.7	12
15	3D-Printed 140 GHz Beam-Scanning Antenna Using Partially Reflecting Surface. , 2020, , .		1
16	Evaluation of Aerosol Jet Printing of Frequency Selective Surface on Glass for Building and RF Applications. , 2020, , .		5
17	Removable Finger Nail Antenna. , 2020, , .		1
18	Tag Design for RFID AC Current Sensing System. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
19	3D Printing of Millimetre Wave and Low-Terahertz Frequency Selective Surfaces Using Aerosol Jet Technology. IEEE Access, 2020, 8, 177341-177350.	4.2	19
20	Evaluation of Planar Inkjet-Printed Antennas on a Low-Cost Origami Flapping Robot. IEEE Access, 2020, 8, 164103-164113.	4.2	14
21	3D Printed Fingernail Antennas for 5G Applications. IEEE Access, 2020, 8, 228711-228719.	4.2	34
22	Design of a Broadband Circularly Polarized Antenna by Using Axial Ratio Contour. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 2487-2491.	4.0	5
23	A D-Band 3D-Printed Antenna. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 433-442.	3.1	36
24	140 GHz Additive Manufacturing Low-Cost and High-Gain Fabry-Perot Resonator Antenna. , 2020, , .		7
25	A Review of Broadband Low-Cost and High-Gain Low-Terahertz Antennas for Wireless Communications Applications. IEEE Access, 2020, 8, 57615-57629.	4.2	47
26	A comparative study of the harvested wireless power using multiple antenna designs implemented in a common domestic environment. , 2019, , .		1
27	Liquid Sensor/Detector Using an EBG Structure. IEEE Transactions on Antennas and Propagation, 2019, 67, 3366-3373.	5.1	31
28	Investigation of Antennas Integrated Into Disposable Unmanned Aerial Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 604-612.	6.3	24
29	Frequency Reconfigurable Double-sided Slot Antenna Using Close-coupled Biasing Technique. , 2018, , .		1
30	3-D Printing of Conformal Antennas for Diversity Wrist Worn Applications. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 2227-2235.	2.5	34
31	Wideband high-gain millimetre/submillimetre wave antenna using additive manufacturing. IET Microwaves, Antennas and Propagation, 2018, 12, 1758-1764.	1.4	8
32	Frequency-Agile Beam-Switchable Antenna. IEEE Transactions on Antennas and Propagation, 2017, 65, 3819-3826.	5.1	37
33	Inkjet printed dual band antenna for paper UAVs. , 2017, , .		3
34	Circular polarised antenna fabricated with low-cost 3D and inkjet printing equipment. Electronics Letters, 2017, 53, 370-371.	1.0	21
35	Dual-Band Electronically Beam-Switched Antenna Using Slot Active Frequency Selective Surface. IEEE Transactions on Antennas and Propagation, 2017, 65, 1393-1398.	5.1	48
36	A Novel Multiband Directional Antenna for Wireless Communications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1217-1220.	4.0	37

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37	Switchable slot antenna using close-coupled biasing technique. , 2017, , .		1
38	3-D Coverage Beam-Scanning Antenna Using Feed Array and Active Frequency-Selective Surface. IEEE Transactions on Antennas and Propagation, 2017, 65, 5862-5870.	5.1	43
39	Manufacturing Considerations in the 3-D Printing of Fractal Antennas. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2017, 7, 1891-1898.	2.5	35
40	Low-cost wideband low-THz antennas for wireless communications and sensing. , 2017, , .		8
41	Wideband low-THz antennas for high-speed wireless communications. , 2017, , .		3
42	Dual-Band Patch Antenna With Filtering Performance and Harmonic Suppression. IEEE Transactions on Antennas and Propagation, 2016, 64, 4074-4077.	5.1	135
43	Inkjet printed GPS antenna on a 3D printed substrate using low-cost machines. , 2016, , .		11
44	Evaluation of a low-cost inkjet printed slot antenna for energy harvesting applications. , 2016, , .		5
45	Inkjet printed and folded LTE antenna for vehicular application. , 2016, , .		8
46	An Integrated Filtering Antenna Array With High Selectivity and Harmonics Suppression. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 1798-1805.	4.6	125
47	3D printing technique for the development of non-€planar electromagnetic bandgap structures for antenna applications. Electronics Letters, 2016, 52, 175-176.	1.0	19
48	UWB antenna on 3D printed flexible substrate and foot phantom. , 2015, , .		15
49	A CPW-fed antenna on 3D printed EBG substrate. , 2015, , .		2
50	A Frequency and Polarization Reconfigurable Circularly Polarized Antenna Using Active EBG Structure for Satellite Navigation. IEEE Transactions on Antennas and Propagation, 2015, 63, 33-40.	5.1	96
51	Compact Smart Antenna With Electronic Beam-Switching and Reconfigurable Polarizations. IEEE Transactions on Antennas and Propagation, 2015, 63, 5325-5333.	5.1	73
52	Cylindrical Slot FSS Configuration for Beam-Switching Applications. IEEE Transactions on Antennas and Propagation, 2015, 63, 166-173.	5.1	59
53	WLAN antenna on 3D printed bracelet and wrist phantom. , 2014, , .		8
54	3-D Printing of Elements in Frequency Selective Arrays. IEEE Transactions on Antennas and Propagation, 2014, 62, 6060-6066.	5.1	126

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55	Design of broadband ESPAR antenna using inverted F monopoles. , 2014, , .		5
56	Active FSS enclosed beam-switching node for wireless sensor networks. , 2014, , .		7
57	3D printed FSS arrays for long wavelength applications. , 2014, , .		16
58	Dual Polarized Reconfigurable Frequency Selective Surfaces. IEEE Transactions on Antennas and Propagation, 2014, 62, 764-771.	5.1	62
59	Evaluation of wideband LTE antenna configurations for vehicle applications. , 2013, , .		4
60	3D printing technique for fabrication of frequency selective structures for built environment. Electronics Letters, 2013, 49, 1117-1118.	1.0	31
61	Integration of antennas and high impedance surfaces on ceramic body armor plates. , 2011, , .		1
62	Switchable Frequency Selective Slot Arrays. IEEE Transactions on Antennas and Propagation, 2011, 59, 2728-2731.	5.1	51
63	Wideband FSS for electromagnetic architecture in buildings. Applied Physics A: Materials Science and Processing, 2011, 103, 771-774.	2.3	16
64	Dual-band wearable metallic button antennas and transmission in body area networks. IET Microwaves, Antennas and Propagation, 2010, 4, 182.	1.4	67
65	Button antenna on textiles for wireless local area network on body applications. IET Microwaves, Antennas and Propagation, 2010, 4, 1980.	1.4	55
66	Singly and Dual Polarized Convolute Frequency Selective Structures. IEEE Transactions on Antennas and Propagation, 2010, 58, 690-696.	5.1	69
67	Dual-Band Tunable Screen Using Complementary Split Ring Resonators. IEEE Transactions on Antennas and Propagation, 2010, 58, 3761-3765.	5.1	78
68	Frequency selectively screened office incorporating convolute FSS window. Electronics Letters, 2010, 46, 317.	1.0	28
69	Tuning patch-form FSS. Electronics Letters, 2010, 46, 329.	1.0	16
70	Minimal size of operation of fractal FSS. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	3
71	Safety glasses RFID antennas. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	0
72	Tuning technique for active FSS arrays. Electronics Letters, 2009, 45, 1107.	1.0	45

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73	Designing FSS for wireless propagation control within buildings. , 2009, , .		20
74	Minimal size FSS for long wavelength operation. Electronics Letters, 2008, 44, 394.	1.0	39
75	A Dual Band Belt Antenna. , 2008, , .		24
76	Small FSS arrays for Indoor Communications. , 2008, , .		2
77	Wideband EM architecture of buildings: six-to-one dual-passband filter for indoor wireless environments. Electronics Letters, 2008, 44, 1268.	1.0	17
78	ELECTROMAGNETIC COUPLING THROUGH ARBITRARY APERTURES IN PARALLEL CONDUCTING PLANES. Progress in Electromagnetics Research B, 2008, 8, 29-42.	1.0	13
79	E-Plane Cut UWB Monopole. , 2007, , .		4
80	Compact UWB Wearable Antenna. , 2007, , .		23
81	Wlan Jacket Mounted Antenna. , 2007, , .		8
82	Elliptical Antenna with Circular Cuts for UWB applications. , 2007, , .		0
83	System and Circuit Models for Microwave Antennas. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 729-735.	4.6	10
84	Small size wearable button antenna. , 2006, , .		11
85	Compact Antenna for WLAN on body applications. , 2006, , .		11
86	Single and Double Layer Planar Multiband PIFAs. IEEE Transactions on Antennas and Propagation, 2006, 54, 1416-1422.	5.1	28
87	Covert dual-band wearable button antenna. Electronics Letters, 2006, 42, 668.	1.0	90
88	UWB wearable button antenna. , 2006, , .		31
89	Compact UWB monopole for multilayer applications. Electronics Letters, 2006, 42, 5.	1.0	15
90	System and Circuit Models for Microwave Antennas. , 2006, , .		1

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91	Substrate integrated folded waveguides (SIFW) and filters. IEEE Microwave and Wireless Components Letters, 2005, 15, 829-831.	3.2	235
92	Multiband printed PIFA antenna with ground plane capacitive resonator. Electronics Letters, 2004, 40, 1391.	1.0	26
93	Multi-band printed PIFA antennas for wireless picocell basestations. , 0, , .		0
94	Compact UWB Monopole Antenna for System-on-Package Applications. , 0, , .		5
95	Dual Band Button Antennas for Wearable Applications. , 0, , .		13