

Benito Sanz Izquierdo

List of Publications by Year in descending order

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95
papers

2,456
citations

186265

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223800

46
g-index

95
all docs

95
docs citations

95
times ranked

1845
citing authors

#	ARTICLE	IF	CITATIONS
1	Substrate integrated folded waveguides (SIFW) and filters. IEEE Microwave and Wireless Components Letters, 2005, 15, 829-831.	3.2	235
2	Dual-Band Patch Antenna With Filtering Performance and Harmonic Suppression. IEEE Transactions on Antennas and Propagation, 2016, 64, 4074-4077.	5.1	135
3	3-D Printing of Elements in Frequency Selective Arrays. IEEE Transactions on Antennas and Propagation, 2014, 62, 6060-6066.	5.1	126
4	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
5	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
6	Covert dual-band wearable button antenna. Electronics Letters, 2006, 42, 668.	1.0	90
7	Dual-Band Tunable Screen Using Complementary Split Ring Resonators. IEEE Transactions on Antennas and Propagation, 2010, 58, 3761-3765.	5.1	78
8	Compact Smart Antenna With Electronic Beam-Switching and Reconfigurable Polarizations. IEEE Transactions on Antennas and Propagation, 2015, 63, 5325-5333.	5.1	73
9	Singly and Dual Polarized Convolved Frequency Selective Structures. IEEE Transactions on Antennas and Propagation, 2010, 58, 690-696.	5.1	69
10	Dual-band wearable metallic button antennas and transmission in body area networks. IET Microwaves, Antennas and Propagation, 2010, 4, 182.	1.4	67
11	Dual Polarized Reconfigurable Frequency Selective Surfaces. IEEE Transactions on Antennas and Propagation, 2014, 62, 764-771.	5.1	62
12	Cylindrical Slot FSS Configuration for Beam-Switching Applications. IEEE Transactions on Antennas and Propagation, 2015, 63, 166-173.	5.1	59
13	Button antenna on textiles for wireless local area network on body applications. IET Microwaves, Antennas and Propagation, 2010, 4, 1980.	1.4	55
14	Switchable Frequency Selective Slot Arrays. IEEE Transactions on Antennas and Propagation, 2011, 59, 2728-2731.	5.1	51
15	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
16	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
17	Tuning technique for active FSS arrays. Electronics Letters, 2009, 45, 1107.	1.0	45
18	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

#	ARTICLE	IF	CITATIONS
19	Minimal size FSS for long wavelength operation. Electronics Letters, 2008, 44, 394.	1.0	39
20	Frequency-Agile Beam-Switchable Antenna. IEEE Transactions on Antennas and Propagation, 2017, 65, 3819-3826.	5.1	37
21	A Novel Multiband Directional Antenna for Wireless Communications. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1217-1220.	4.0	37
22	A D-Band 3D-Printed Antenna. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 433-442.	3.1	36
23	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
24	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
25	3D Printed Fingernail Antennas for 5G Applications. IEEE Access, 2020, 8, 228711-228719.	4.2	34
26	UWB wearable button antenna. , 2006, , .		31
27	3D printing technique for fabrication of frequency selective structures for built environment. Electronics Letters, 2013, 49, 1117-1118.	1.0	31
28	Liquid Sensor/Detector Using an EBG Structure. IEEE Transactions on Antennas and Propagation, 2019, 67, 3366-3373.	5.1	31
29	Single and Double Layer Planar Multiband PIFAs. IEEE Transactions on Antennas and Propagation, 2006, 54, 1416-1422.	5.1	28
30	Frequency selectively screened office incorporating convoluted FSS window. Electronics Letters, 2010, 46, 317.	1.0	28
31	Multiband printed PIFA antenna with ground plane capacitive resonator. Electronics Letters, 2004, 40, 1391.	1.0	26
32	A Dual Band Belt Antenna. , 2008, , .		24
33	Investigation of Antennas Integrated Into Disposable Unmanned Aerial Vehicles. IEEE Transactions on Vehicular Technology, 2019, 68, 604-612.	6.3	24
34	Compact UWB Wearable Antenna. , 2007, , .		23
35	Circular polarised antenna fabricated with low-cost 3D and inkjet printing equipment. Electronics Letters, 2017, 53, 370-371.	1.0	21
36	Designing FSS for wireless propagation control within buildings. , 2009, , .		20

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37	3D printing technique for the development of non-planar electromagnetic bandgap structures for antenna applications. Electronics Letters, 2016, 52, 175-176.	1.0	19
38	3D Printing of Millimetre Wave and Low-Terahertz Frequency Selective Surfaces Using Aerosol Jet Technology. IEEE Access, 2020, 8, 177341-177350.	4.2	19
39	Wideband EM architecture of buildings: six-to-one dual-passband filter for indoor wireless environments. Electronics Letters, 2008, 44, 1268.	1.0	17
40	Tuning patch-form FSS. Electronics Letters, 2010, 46, 329.	1.0	16
41	Wideband FSS for electromagnetic architecture in buildings. Applied Physics A: Materials Science and Processing, 2011, 103, 771-774.	2.3	16
42	3D printed FSS arrays for long wavelength applications. , 2014, , .		16
43	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
44	Compact UWB monopole for multilayer applications. Electronics Letters, 2006, 42, 5.	1.0	15
45	UWB antenna on 3D printed flexible substrate and foot phantom. , 2015, , .		15
46	Evaluation of Planar Inkjet-Printed Antennas on a Low-Cost Origami Flapping Robot. IEEE Access, 2020, 8, 164103-164113.	4.2	14
47	Dual Band Button Antennas for Wearable Applications. , 0, , .		13
48	ELECTROMAGNETIC COUPLING THROUGH ARBITRARY APERTURES IN PARALLEL CONDUCTING PLANES. Progress in Electromagnetics Research B, 2008, 8, 29-42.	1.0	13
49	RFID AC Current Sensing Technique. IEEE Sensors Journal, 2020, 20, 2197-2204.	4.7	12
50	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
51	Small size wearable button antenna. , 2006, , .		11
52	Compact Antenna for WLAN on body applications. , 2006, , .		11
53	Inkjet printed GPS antenna on a 3D printed substrate using low-cost machines. , 2016, , .		11
54	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

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55	System and Circuit Models for Microwave Antennas. IEEE Transactions on Microwave Theory and Techniques, 2007, 55, 729-735.	4.6	10
56	Wlan Jacket Mounted Antenna. , 2007, , .		8
57	WLAN antenna on 3D printed bracelet and wrist phantom. , 2014, , .		8
58	Inkjet printed and folded LTE antenna for vehicular application. , 2016, , .		8
59	Low-cost wideband low-THz antennas for wireless communications and sensing. , 2017, , .		8
60	Wideband high-gain millimetre/submillimetre wave antenna using additive manufacturing. IET Microwaves, Antennas and Propagation, 2018, 12, 1758-1764.	1.4	8
61	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
62	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
63	Active FSS enclosed beam-switching node for wireless sensor networks. , 2014, , .		7
64	140 GHz Additive Manufacturing Low-Cost and High-Gain Fabry-Perot Resonator Antenna. , 2020, , .		7
65	Compact UWB Monopole Antenna for System-on-Package Applications. , 0, , .		5
66	Design of broadband ESPAR antenna using inverted F monopoles. , 2014, , .		5
67	Evaluation of a low-cost inkjet printed slot antenna for energy harvesting applications. , 2016, , .		5
68	Evaluation of Aerosol Jet Printing of Frequency Selective Surface on Glass for Building and RF Applications. , 2020, , .		5
69	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
70	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
71	E-Plane Cut UWB Monopole. , 2007, , .		4
72	Evaluation of wideband LTE antenna configurations for vehicle applications. , 2013, , .		4

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73	Alternating Current Sensing Slot Antenna. IEEE Sensors Journal, 2021, 21, 9484-9491.	4.7	4
74	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
75	Minimal size of operation of fractal FSS. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	3
76	Inkjet printed dual band antenna for paper UAVs. , 2017, , .		3
77	Wideband low-THz antennas for high-speed wireless communications. , 2017, , .		3
78	Low-cost Inkjet Printed Paper Poster FSS for 5G Applications. , 2021, , .		3
79	Small FSS arrays for Indoor Communications. , 2008, , .		2
80	A CPW-fed antenna on 3D printed EBG substrate. , 2015, , .		2
81	Tag Design for RFID AC Current Sensing System. , 2020, , .		2
82	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
83	System and Circuit Models for Microwave Antennas. , 2006, , .		1
84	Integration of antennas and high impedance surfaces on ceramic body armor plates. , 2011, , .		1
85	Switchable slot antenna using close-coupled biasing technique. , 2017, , .		1
86	Frequency Reconfigurable Double-sided Slot Antenna Using Close-coupled Biasing Technique. , 2018, , .		1
87	A comparative study of the harvested wireless power using multiple antenna designs implemented in a common domestic environment. , 2019, , .		1
88	3D-Printed 140 GHz Beam-Scanning Antenna Using Partially Reflecting Surface. , 2020, , .		1
89	Removable Finger Nail Antenna. , 2020, , .		1
90	Origami Boat Sensing Antenna. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
91	Dual RFID Tag System for AC Current Sensing. , 2022, , .		1
92	A Novel Differentially-Fed Dual-Polarized Filtering Antenna for Base Station. , 2022, , .		1
93	Multi-band printed PIFA antennas for wireless picocell basestations. , 0, , .		0
94	Elliptical Antenna with Circular Cuts for UWB applications. , 2007, , .		0
95	Safety glasses RFID antennas. Digest / IEEE Antennas and Propagation Society International Symposium, 2009, , .	0.0	0