

Alejandro Jimenez-Saez

List of Publications by Year in descending order

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30
papers

367
citations

1040056

9
h-index

1125743

13
g-index

30
all docs

30
docs citations

30
times ranked

190
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-Layer Cavity-Backed Slot Array Fed by Groove Gap Waveguide. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1402-1405.	4.0	41
2	Frequency Selective Surface Coded Retroreflectors for Chipless Indoor Localization Tag Landmarks. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 726-730.	4.0	31
3	3D Printed Alumina for Low-Loss Millimeter Wave Components. IEEE Access, 2019, 7, 40719-40724.	4.2	28
4	Ridge Gap Waveguide Based Liquid Crystal Phase Shifter. IEEE Access, 2020, 8, 77833-77842.	4.2	28
5	Frequency-Coded mm-Wave Tags for Self-Localization System Using Dielectric Resonators. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 908-925.	2.2	25
6	Wide-Angle Ceramic Retroreflective Luneburg Lens Based on Quasi-Conformal Transformation Optics for Mm-Wave Indoor Localization. IEEE Access, 2022, 10, 41097-41111.	4.2	23
7	Gradient-Index-Based Frequency-Coded Retroreflective Lenses for mm-Wave Indoor Localization. IEEE Access, 2020, 8, 212765-212775.	4.2	22
8	Photonic Crystal THz High-Q Resonator for Chipless Wireless Identification. , 2018, , .		14
9	Hybrid Time-Frequency Modulation Scheme for Chipless Wireless Identification and Sensing. IEEE Sensors Journal, 2018, 18, 7850-7859.	4.7	14
10	3D Printed 90 GHz Frequency-Coded Chipless Wireless RFID Tag. , 2019, , .		14
11	Chipless Wireless Temperature Sensor for Machine Tools Based on a Dielectric Ring Resonator. Procedia Engineering, 2016, 168, 1231-1236.	1.2	11
12	Dielectric ring resonators as chipless temperature sensors for wireless machine tool monitoring. , 2017, , .		10
13	Passive chipless wireless pressure sensor based on dielectric resonators. , 2017, , .		10
14	Hybrid time-frequency modulation scheme for chipless wireless identification and sensing. , 2017, , .		10
15	Temperature Characterization of High-Q Resonators of Different Materials for mm-Wave Indoor Localization Tag Landmarks. , 2020, , .		10
16	Passive chipless wireless pressure sensor for Harsh and reflective environments. , 2018, , .		9
17	2D Metamaterial Luneburg Lens for Enhancing the RCS of Chipless Dielectric Resonator Tags. , 2019, , .		8
18	OAM Mode Order Conversion and Clutter Rejection With OAM-Coded RFID Tags. IEEE Access, 2020, 8, 218729-218738.	4.2	8

#	ARTICLE	IF	CITATIONS
19	Chipless frequency-coded RFID tags integrating high-Q resonators and dielectric rod antennas. , 2021, , .		7
20	Frequency-Coded Spherical Retroreflector for Wide-Angle Indoor Localization Tag Landmarks. , 2021, , .		6
21	Chipless Wireless High Temperature Sensing Based on a Multilayer Dielectric Resonator. , 2019, , .		5
22	Frequency Coded Retroreflective Landmark for 230 GHz Indoor Self-Localization Systems. , 2021, , .		5
23	Gridded Square-Ring Frequency Selective Surface for Angular-Stable Response on Chipless Indoor Location Tag Landmarks. , 2021, , .		5
24	Novel Hybrid Electric/Magnetic Bias Concept for Tunable Liquid Crystal Based Filter. IEEE Journal of Microwaves, 2022, 2, 490-495.	6.5	5
25	Ring resonances in groove gap waveguides with application to slot array antennas. , 2015, , .		4
26	Passive Orbital Angular Momentum RFID Tag based on Dielectric Resonator Arrays. , 2020, , .		3
27	QCTO Luneburg Lens-Based Retroreflective Tag Landmarks for mm-Wave Self-Localization Systems. , 2021, , .		3
28	Sub-THz Luneburg lens enabled wide-angle frequency-coded identification tag for passive indoor self-localization. International Journal of Microwave and Wireless Technologies, 2023, 15, 59-73.	1.9	3
29	Evaluation of Chipless RFID Indoor Landmarks at 80 GHz and 240 GHz Using FMCW Radars. , 2022, , .		3
30	Clutter Suppression for Indoor Self-Localization Systems by Iteratively Reweighted Low-Rank Plus Sparse Recovery. Sensors, 2021, 21, 6842.	3.8	2