

Cyril Luxey

List of Publications by Year in descending order

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99
papers

2,041
citations

331670

21
h-index

265206

42
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100
all docs

100
docs citations

100
times ranked

1632
citing authors

#	ARTICLE	IF	CITATIONS
1	Study and Reduction of the Mutual Coupling Between Two Mobile Phone PIFAs Operating in the DCS1800 and UMTS Bands. IEEE Transactions on Antennas and Propagation, 2006, 54, 3063-3074.	5.1	466
2	Enhanced two-antenna structures for universal mobile telecommunications system diversity terminals. IET Microwaves, Antennas and Propagation, 2008, 2, 93-101.	1.4	164
3	A Novel Isolation Technique for Closely Spaced PIFAs for UMTS Mobile Phones. IEEE Antennas and Wireless Propagation Letters, 2008, 7, 665-668.	4.0	92
4	A 94-GHz 4TX-4RX Phased-Array FMCW Radar Transceiver With Antenna-in-Package. IEEE Journal of Solid-State Circuits, 2017, 52, 1245-1259.	5.4	90
5	Development of a Millimeter-Wave Measurement Setup and Dedicated Techniques to Characterize the Matching and Radiation Performance of Probe-Fed Antennas [Measurements Corner]. IEEE Antennas and Propagation Magazine, 2012, 54, 188-203.	1.4	85
6	What will 5G Antennas and Propagation Be?. IEEE Transactions on Antennas and Propagation, 2017, 65, 6205-6212.	5.1	71
7	A Novel Compact Dual-Band LTE Antenna-System for MIMO Operation. IEEE Transactions on Antennas and Propagation, 2014, 62, 2291-2296.	5.1	65
8	Neutralized Coupling Elements for MIMO Operation in 4G Mobile Terminals. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 141-144.	4.0	58
9	A Ceramic Antenna for Tri-Band Radio Devices. IEEE Transactions on Antennas and Propagation, 2013, 61, 5776-5780.	5.1	46
10	3D printed plastic 60 GHz lens: Enabling innovative millimeter wave antenna solution and system. , 2014, , .		43
11	Integration of Quadruple Linearly-Polarized Microstrip Grid Array Antennas for 60-GHz Antenna-in-Package Applications. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2013, 3, 1293-1300.	2.5	38
12	Beam switching conformal antenna array for mm-wave communications. IEEE Antennas and Wireless Propagation Letters, 2015, , 1-1.	4.0	37
13	Ball Grid Array Module With Integrated Shaped Lens for 5G Backhaul/Fronthaul Communications in F-Band. IEEE Transactions on Antennas and Propagation, 2017, 65, 6380-6394.	5.1	36
14	New Wideband Miniature Branchline Coupler on IPD Technology for Beamforming Applications. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2014, 4, 911-921.	2.5	34
15	A 94-GHz Dual-Polarized Microstrip Mesh Array Antenna in LTCC Technology. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 634-637.	4.0	34
16	A 60-GHz Circularly-Polarized Array Antenna-in-Package in LTCC Technology. IEEE Transactions on Antennas and Propagation, 2013, 61, 6228-6232.	5.1	32
17	Dual-Band WLAN Multiantenna System and Diversity/MIMO Performance Evaluation. IEEE Transactions on Antennas and Propagation, 2014, 62, 1409-1415.	5.1	30
18	An LTCC Microstrip Grid Array Antenna for 94-GHz Applications. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1279-1281.	4.0	30

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19	Feasibility Study of 4G Cellular Antennas for Eyewear Communicating Devices. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1704-1707.	4.0	28
20	10-Gb/s Indoor THz Communications Using Industrial Si Photonics Technology. IEEE Microwave and Wireless Components Letters, 2018, 28, 362-364.	3.2	27
21	Chip-to-Chip Switched Beam 60 GHz Circular Patch Planar Antenna Array and Pattern Considerations. IEEE Transactions on Antennas and Propagation, 2018, 66, 1776-1787.	5.1	24
22	17.8 A compact 130GHz fully packaged point-to-point wireless system with 3D-printed 26dBi lens antenna achieving 12.5Gb/s at 1.55pJ/b/m. , 2017, , .		22
23	Conformal antenna array for millimeter-wave communications: performance evaluation. International Journal of Microwave and Wireless Technologies, 2017, 9, 241-247.	1.9	22
24	Differential feeding technique for mm-wave series-fed antenna array. Electronics Letters, 2013, 49, 918-919.	1.0	21
25	Diversity Performance of Multiantenna Systems for UMTS Cellular Phones in Different Propagation Environments. International Journal of Antennas and Propagation, 2008, 2008, 1-10.	1.2	20
26	Probe-fed measurement system for F-band antennas. , 2014, , .		19
27	Efficiency Measurement of Probe-Fed Antennas Operating at Millimeter-Wave Frequencies. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1194-1197.	4.0	17
28	Ball Grid Array-Module With Integrated Shaped Lens for WiGig Applications in Eyewear Devices. IEEE Transactions on Antennas and Propagation, 2016, 64, 872-882.	5.1	17
29	Codesign of a PA-Antenna Block in Silicon Technology for 80-GHz Radar Application. IEEE Transactions on Circuits and Systems II: Express Briefs, 2013, 60, 177-181.	3.0	16
30	Pentaband internal antenna for handset communication devices. Microwave and Optical Technology Letters, 2006, 48, 1509-1512.	1.4	15
31	Inkjet Coplanar Square Monopole on Flexible Substrate for 60-GHz Applications. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 435-438.	4.0	15
32	Dual-Antenna Concept With Complementary Radiation Patterns for Eyewear Applications. IEEE Transactions on Antennas and Propagation, 2018, 66, 3056-3063.	5.1	14
33	A 120 GHz 3D-printed plastic elliptical lens antenna with an IPD patch antenna source. , 2014, , .		13
34	Dual-Band 4G Eyewear Antenna and SAR Implications. IEEE Transactions on Antennas and Propagation, 2017, 65, 2085-2089.	5.1	13
35	Photonics-Based Near-Field Measurement and Far-Field Characterization for 300-GHz Band Antenna Testing. IEEE Open Journal of Antennas and Propagation, 2022, 3, 24-31.	3.7	13
36	Design of multi-antenna systems for UMTS mobile phones. , 2009, , .		12

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37	PCB Integration of a Vivaldi Antenna on IPD Technology for 60-GHz Communications. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 678-681.	4.0	12
38	Ultrabroadband Antenna With Robustness to Body Detuning for 4G Eyewear Devices. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1225-1228.	4.0	12
39	θ -Band Substrate-Integrated Discrete-Lens Antenna for High Data Rate Communication Systems. IEEE Transactions on Antennas and Propagation, 2021, 69, 3677-3688.	5.1	12
40	Freehand System for Antenna Diagnosis Based on Amplitude-Only Data. IEEE Transactions on Antennas and Propagation, 2021, 69, 4988-4998.	5.1	12
41	A 94GHz 4TX-4RX phased-array for FMCW radar with integrated LO and flip-chip antenna package. , 2016, , .		11
42	Low-cost 3D-printed 240 GHz plastic lens fed by integrated antenna in organic substrate targeting sub-THz high data rate wireless links. , 2017, , .		11
43	Neutralisation technique applied to two coupling element antennas to cover low LTE and GSM communication standards. Electronics Letters, 2013, 49, 781-782.	1.0	9
44	4G antennas for wireless eyewear devices and related SAR. Comptes Rendus Physique, 2015, 16, 836-850.	0.9	9
45	Millimeter-wave antenna-in-package solutions for WiGig and backhaul applications. , 2015, , .		9
46	Broadband embroidered spiral antenna for off-body communications. IET Microwaves, Antennas and Propagation, 2016, 10, 1395-1401.	1.4	9
47	Improved Measurement Accuracy of Probe-Fed mm-Wave Antennas Using the Three γ Method. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 103-105.	4.0	8
48	Noncollimating MMW Polyethylene Lens Mitigating Dual-Source Offset From a Tx/Rx WiGig Module. IEEE Transactions on Antennas and Propagation, 2015, 63, 5908-5913.	5.1	8
49	Sub-THz source integrated in industrial silicon Photonic technology targeting high data rate wireless applications. , 2017, , .		8
50	3D-Printed transmit-array antenna for broadband backhaul 5G links at V band. IEEE Antennas and Wireless Propagation Letters, 2020, , 1-1.	4.0	8
51	Polymer MEMS fabrication process for system-on-chip self-assembled millimeter-wave antennas. , 2014, , .		7
52	On-body measurements of embroidered spiral antenna. , 2015, , .		7
53	300GHz quadrature phase shift keying and QAM16 56Gbps wireless data links using silicon photonics photodiodes. Electronics Letters, 2019, 55, 808-810.	1.0	7
54	Investigation of the effect of metallic frames on 4G eyewear antennas. , 2014, , .		6

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55	Antenna Solutions for 4G Smartphones in Laser Direct Structuring Technology. Radioengineering, 2016, 25, 419-428.	0.6	6
56	3D printing technology: Enabling innovative & cost effective industrial antenna solution. , 2016, , .		6
57	240 GHz antenna integrated on low-cost organic substrate packaging technology targeting high-data rate sub-THz telecommunication. , 2017, , .		6
58	Switched-Beam 60-GHz Four-Element Array for Multichip Multicore System. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2018, 8, 251-260.	2.5	6
59	300 GHz OOK Transmitter Integrated in Advanced Silicon Photonics Technology and Achieving 20 Gb/s. , 2018, , .		6
60	Characterization of inkjet patch antenna on different ground planes at millimeter-wave frequencies. , 2013, , .		5
61	Microstrip antenna array integrated with 60 GHz band CMOS injection locked power amplifier. , 2016, , .		5
62	Antenna on PEN substrate for millimeter-wave applications. , 2013, , .		4
63	Impact of gain and polarization in the design of reconfigurable chip-to-chip antennas. , 2016, , .		4
64	3D-Printed Double-Ridged Waveguide Array Antenna targeting High-Efficiency Ku-band SatCom on The Move Applications. , 2019, , .		4
65	Low-Cost Organic-Substrate Module for Tx&R; Short-Range WiGig Communications at 60 GHz. IEEE Transactions on Antennas and Propagation, 2021, 69, 6196-6208.	5.1	4
66	Antenna-array topologies for mm-wave beamforming transmitter with quadrature spatial combining. , 2014, , .		3
67	Near-field Measurement and Far-field Characterization of a J-band Antenna Based on an Electro-optic Sensing. , 2020, , .		3
68	A new symmetric feeding technique for a broadband series-fed antenna-array. , 2013, , .		2
69	Innovative 4G mobile phone LDS antenna module using plastronics integration scheme. , 2013, , .		2
70	The Bra-tenna: A novel body-mounted antenna for off-body communications. , 2014, , .		2
71	Millimeterµwave miniaturized couplers integrated on BiCMOS technology. Microwave and Optical Technology Letters, 2014, 56, 587-590.	1.4	2
72	Comparizon of 3D printed Plastic and micromachined Teflon Lenses for WiGig modules. , 2014, , .		2

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73	Estimation of optimum antenna configurations supported by realistic propagation models at 60 GHz. , 2014, , .		2
74	Low-cost 60 GHz 3D printed lens fed by a planar source with WR15 transition integrated on FR4 PCB. , 2017, , .		2
75	Transmit array as a viable 3D printing option for backhaul applications at V-band. , 2017, , .		2
76	Low-Cost Wide-Band V-Band Patch Antenna on FR4 PCB. , 2018, , .		2
77	Compact Antennas Pattern Measurement Setup at 240 GHz. , 2018, , .		2
78	THz links using tube amplifiers and steerable beams for indoor applications. , 2019, , .		2
79	Quality factor study of planar antennas. , 2011, , .		1
80	Combination of two neutralized coupling element antennas for low LTE and GSM mobile phones. , 2013, , .		1
81	End-fire radiating antenna on IPD technology for 60 GHz communications. , 2013, , .		1
82	Utilization of tunable components for 4G frequency reconfigurable mobile terminal antenna. , 2014, , .		1
83	Characteristic modes analysis of A 4G cellular antenna for eyewear wireless devices. , 2014, , .		1
84	Fabrication, simulations, and measurements of self-assembled millimeter-wave antennas for system-on-chip applications. Microsystem Technologies, 2016, 22, 583-592.	2.0	1
85	Sub-THz source integrated in low-cost Silicon Photonic technology targeting 40 Gb/s wireless links. , 2017, , .		1
86	Three-dimensional printed ABS plastic peanut-shaped lenses with integrated ball grid array module for high-data-rate communications in F-band. IET Microwaves, Antennas and Propagation, 2017, 11, 2021-2026. ^{1.4}		1
87	Scalable Analytical Model of 1.7 THz Cut-off Frequency Schottky Diodes Integrated in 55nm BiCMOS Technology. , 2019, , .		1
88	3-D Printed High-Efficiency Wideband 2x2 and 4x4 Double-Ridged Waveguide Antenna Arrays for Ku-Band Satcom-On-The-Move Applications. , 2020, , .		1
89	Smart Way to Adjust Schottky Barrier Height in 130 nm BiCMOS Process for sub-THz Applications. , 2020, , .		1
90	Tunable antennas using MEMS switches for LTE mobile terminals. , 2013, , .		0

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91	Investigation of tunable matching circuits for multiband 4G handsets. , 2014, , .		0
92	MIMO antenna concept for 4G electronic eyewear devices. , 2014, , .		0
93	A small tribute to Prof. Pertti Vainikainen: A great antenna and propagation specialist. , 2014, , .		0
94	Compact linear embroidered antenna research (CLEAR). , 2015, , .		0
95	Low-cost plastic lens fabricated in FDM 3D-printing technology targeting high data rate wireless links above 200 GHz. , 2017, , .		0
96	Industrial Antenna Design: A Multidisciplinary Course Offered by the European School of Antennas [Education Corner]. IEEE Antennas and Propagation Magazine, 2018, 60, 113-119.	1.4	0
97	Towards siliconâ€photonics based THz links?. Electronics Letters, 2019, 55, 770-770.	1.0	0
98	300 GHz-band 50 Gbit/s dual channel link using industrial silicon photonics technology. , 2019, , .		0
99	Antennas in Handheld Devices. , 2015, , 1-51.		0