

# 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  
g-index

100  
all docs

100  
docs citations

100  
times ranked

1632  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	<i>H</i>-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
3	Freehand System for Antenna Diagnosis Based on Amplitude-Only Data. IEEE Transactions on Antennas and Propagation, 2021, 69, 4988-4998.	5.1	12
4	Low-Cost Organic-Substrate Module for Tx&#x2014;Rx Short-Range WiGig Communications at 60 GHz. IEEE Transactions on Antennas and Propagation, 2021, 69, 6196-6208.	5.1	4
5	Near-field Measurement and Far-field Characterization of a J-band Antenna Based on an Electro-optic Sensing. , 2020, , .		3
6	3-D Printed High-Efficiency Wideband 2x2 and 4x4 Double-Ridged Waveguide Antenna Arrays for Ku-Band Satcom-On-The-Move Applications. , 2020, , .		1
7	Smart Way to Adjust Schottky Barrier Height in 130 nm BiCMOS Process for sub-THz Applications. , 2020, , .		1
8	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
9	Towards silicon&#x2013;photonics based THz links?. Electronics Letters, 2019, 55, 770-770.	1.0	0
10	Scalable Analytical Model of 1.7 THz Cut-off Frequency Schottky Diodes Integrated in 55nm BiCMOS Technology. , 2019, , .		1
11	THz links using tube amplifiers and steerable beams for indoor applications. , 2019, , .		2
12	300&#x2013;GHz quadrature phase shift keying and QAM16 56&#x2013;Gbps wireless data links using silicon photonics photodiodes. Electronics Letters, 2019, 55, 808-810.	1.0	7
13	3D-Printed Double-Ridged Waveguide Array Antenna targeting High-Efficiency Ku-band SatCom on The Move Applications. , 2019, , .		4
14	300 GHz-band 50 Gbit/s dual channel link using industrial silicon photonics technology. , 2019, , .		0
15	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
16	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
17	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
18	10-Gb/s Indoor THz Communications Using Industrial Si Photonics Technology. IEEE Microwave and Wireless Components Letters, 2018, 28, 362-364.	3.2	27

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19	Dual-Antenna Concept With Complementary Radiation Patterns for Eyewear Applications. IEEE Transactions on Antennas and Propagation, 2018, 66, 3056-3063.	5.1	14
20	Low-Cost Wide-Band V-Band Patch Antenna on FR4 PCB. , 2018, , .		2
21	Compact Antennas Pattern Measurement Setup at 240 GHz. , 2018, , .		2
22	300 GHz OOK Transmitter Integrated in Advanced Silicon Photonics Technology and Achieving 20 Gb/s. , 2018, , .		6
23	Dual-Band 4G Eyewear Antenna and SAR Implications. IEEE Transactions on Antennas and Propagation, 2017, 65, 2085-2089.	5.1	13
24	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
25	Sub-THz source integrated in industrial silicon Photonic technology targeting high data rate wireless applications. , 2017, , .		8
26	A 94-GHz 4TXâ€“4RX Phased-Array FMCW Radar Transceiver With Antenna-in-Package. IEEE Journal of Solid-State Circuits, 2017, 52, 1245-1259.	5.4	90
27	Conformal antenna array for millimeter-wave communications: performance evaluation. International Journal of Microwave and Wireless Technologies, 2017, 9, 241-247.	1.9	22
28	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
29	Sub-THz source integrated in low-cost Silicon Photonic technology targeting 40 Gb/s wireless links. , 2017, , .		1
30	Low-cost plastic lens fabricated in FDM 3D-printing technology targeting high data rate wireless links above 200 GHz. , 2017, , .		0
31	Ultrabroadband Antenna With Robustness to Body Detuning for 4G Eyewear Devices. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 1225-1228.	4.0	12
32	Low-cost 60 GHz 3D printed lens fed by a planar source with WR15 transition integrated on FR4 PCB. , 2017, , .		2
33	What will 5G Antennas and Propagation Be?. IEEE Transactions on Antennas and Propagation, 2017, 65, 6205-6212.	5.1	71
34	Transmit array as a viable 3D printing option for backhaul applications at V-band. , 2017, , .		2
35	240 GHz antenna integrated on low-cost organic substrate packaging technology targeting high-data rate sub-THz telecommunication. , 2017, , .		6
36	Threeâ€“dimensional printed ABS plastic peanutâ€“kerns with integrated ball grid array module for highâ€“dataâ€“rate communications in Fâ€“band. IET Microwaves, Antennas and Propagation, 2017, 11, 2021-2026. <sup>1.4</sup>		1

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37	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
38	Antenna Solutions for 4G Smartphones in Laser Direct Structuring Technology. Radioengineering, 2016, 25, 419-428.	0.6	6
39	Microstrip antenna array integrated with 60 GHz band CMOS injection locked power amplifier. , 2016, , .		5
40	Impact of gain and polarization in the design of reconfigurable chip-to-chip antennas. , 2016, , .		4
41	A 94GHz 4TX-4RX phased-array for FMCW radar with integrated LO and flip-chip antenna package. , 2016, , .		11
42	Broadband embroidered spiral antenna for off-body communications. IET Microwaves, Antennas and Propagation, 2016, 10, 1395-1401.	1.4	9
43	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
44	3D printing technology: Enabling innovative & cost effective industrial antenna solution. , 2016, , .		6
45	Fabrication, simulations, and measurements of self-assembled millimeter-wave antennas for system-on-chip applications. Microsystem Technologies, 2016, 22, 583-592.	2.0	1
46	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
47	An LTCC Microstrip Grid Array Antenna for 94-GHz Applications. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 1279-1281.	4.0	30
48	Compact linear embroidered antenna research (CLEAR). , 2015, , .		0
49	On-body measurements of embroidered spiral antenna. , 2015, , .		7
50	4G antennas for wireless eyewear devices and related SAR. Comptes Rendus Physique, 2015, 16, 836-850.	0.9	9
51	Millimeter-wave antenna-in-package solutions for WiGig and backhaul applications. , 2015, , .		9
52	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
53	Beam switching conformal antenna array for mm-wave communications. IEEE Antennas and Wireless Propagation Letters, 2015, , 1-1.	4.0	37
54	Antennas in Handheld Devices. , 2015, , 1-51.		0

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55	A 120 GHz 3D-printed plastic elliptical lens antenna with an IPD patch antenna source. , 2014, , .		13
56	The Bra-tenna: A novel body-mounted antenna for off-body communications. , 2014, , .		2
57	Improved Measurement Accuracy of Probe-Fed mm-Wave Antennas Using the Three $\gamma$ Method. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 103-105.	4.0	8
58	Millimeter-wave miniaturized couplers integrated on BiCMOS technology. Microwave and Optical Technology Letters, 2014, 56, 587-590.	1.4	2
59	Utilization of tunable components for 4G frequency reconfigurable mobile terminal antenna. , 2014, , .		1
60	Investigation of the effect of metallic frames on 4G eyewear antennas. , 2014, , .		6
61	Inkjet Coplanar Square Monopole on Flexible Substrate for 60-GHz Applications. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 435-438.	4.0	15
62	3D printed plastic 60 GHz lens: Enabling innovative millimeter wave antenna solution and system. , 2014, , .		43
63	Polymer MEMS fabrication process for system-on-chip self-assembled millimeter-wave antennas. , 2014, , .		7
64	Characteristic modes analysis of A 4G cellular antenna for eyewear wireless devices. , 2014, , .		1
65	A Novel Compact Dual-Band LTE Antenna-System for MIMO Operation. IEEE Transactions on Antennas and Propagation, 2014, 62, 2291-2296.	5.1	65
66	Neutralized Coupling Elements for MIMO Operation in 4G Mobile Terminals. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 141-144.	4.0	58
67	Probe-fed measurement system for F-band antennas. , 2014, , .		19
68	Investigation of tunable matching circuits for multiband 4G handsets. , 2014, , .		0
69	Antenna-array topologies for mm-wave beamforming transmitter with quadrature spatial combining. , 2014, , .		3
70	MIMO antenna concept for 4G electronic eyewear devices. , 2014, , .		0
71	A small tribute to Prof. Pertti Vainikainen: A great antenna and propagation specialist. , 2014, , .		0
72	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

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73	Comparizon of 3D printed Plastic and micromachined Teflon Lenses for WiGig modules. , 2014, , .		2
74	Dual-Band WLAN Multiantenna System and Diversity/MIMO Performance Evaluation. IEEE Transactions on Antennas and Propagation, 2014, 62, 1409-1415.	5.1	30
75	Estimation of optimum antenna configurations supported by realistic propagation models at 60 GHz. , 2014, , .		2
76	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
77	Combination of two neutralized coupling element antennas for low LTE and GSM mobile phones. , 2013, , .		1
78	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
79	Tunable antennas using MEMS switches for LTE mobile terminals. , 2013, , .		0
80	Characterization of inkjet patch antenna on different ground planes at millimeter-wave frequencies. , 2013, , .		5
81	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
82	A Ceramic Antenna for Tri-Band Radio Devices. IEEE Transactions on Antennas and Propagation, 2013, 61, 5776-5780.	5.1	46
83	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
84	Feasibility Study of 4G Cellular Antennas for Eyewear Communicating Devices. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 1704-1707.	4.0	28
85	Differential feeding technique for mm-wave series-fed antenna-array. Electronics Letters, 2013, 49, 918-919.	1.0	21
86	A new symmetric feeding technique for a broadband series-fed antenna-array. , 2013, , .		2
87	Innovative 4G mobile phone LDS antenna module using plastronics integration scheme. , 2013, , .		2
88	End-fire radiating antenna on IPD technology for 60 GHz communications. , 2013, , .		1
89	Antenna on PEN substrate for millimeter-wave applications. , 2013, , .		4
90	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

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91	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
92	Efficiency Measurement of Probe-Fed Antennas Operating at Millimeter-Wave Frequencies. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 1194-1197.	4.0	17
93	Quality factor study of planar antennas. , 2011, , .		1
94	Design of multi-antenna systems for UMTS mobile phones. , 2009, , .		12
95	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
96	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
97	Enhanced two-antenna structures for universal mobile telecommunications system diversity terminals. IET Microwaves, Antennas and Propagation, 2008, 2, 93-101.	1.4	164
98	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
99	Pentaband internal antenna for handset communication devices. Microwave and Optical Technology Letters, 2006, 48, 1509-1512.	1.4	15