

# Clive G Parini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7451785/publications.pdf>

Version: 2024-02-01

136  
papers

2,510  
citations

257450

24  
h-index

214800

47  
g-index

136  
all docs

136  
docs citations

136  
times ranked

2284  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antennas and propagation for on-body communication systems. IEEE Antennas and Propagation Magazine, 2007, 49, 41-58.	1.4	384
2	Statistical Analysis and Performance Evaluation for On-Body Radio Propagation With Microstrip Patch Antennas. IEEE Transactions on Antennas and Propagation, 2007, 55, 245-248.	5.1	170
3	Stacked Patch Antenna With Dual-Polarization and Low Mutual Coupling for Massive MIMO. IEEE Transactions on Antennas and Propagation, 2016, 64, 4544-4549.	5.1	143
4	Experimental Characterization of UWB On-Body Radio Channel in Indoor Environment Considering Different Antennas. IEEE Transactions on Antennas and Propagation, 2010, 58, 238-241.	5.1	106
5	Pattern-Reconfigurable Planar Circular Ultra-Wideband Monopole Antenna. IEEE Transactions on Antennas and Propagation, 2013, 61, 4973-4980.	5.1	105
6	Transmission of images with subwavelength resolution to distances of several wavelengths in the microwave range. Physical Review B, 2008, 77, .	3.2	101
7	Data-Assisted Low Complexity Compressive Spectrum Sensing on Real-Time Signals Under Sub-Nyquist Rate. IEEE Transactions on Wireless Communications, 2016, 15, 1174-1185.	9.2	90
8	Rapid prototyping of ceramic millimeterwave metamaterials: Simulations and experiments. Microwave and Optical Technology Letters, 2007, 49, 2090-2093.	1.4	85
9	A Small Printed Quasi-Self-Complementary Antenna for Ultrawideband Systems. IEEE Antennas and Wireless Propagation Letters, 2009, 8, 554-557.	4.0	70
10	Impulse Radio Ultra-Wideband Communications for Localization and Tracking of Human Body and Limbs Movement for Healthcare Applications. IEEE Transactions on Antennas and Propagation, 2017, 65, 7298-7309.	5.1	66
11	Experimental demonstration of multiwire endoscopes capable of manipulating near-fields with subwavelength resolution. Applied Physics Letters, 2010, 97, .	3.3	63
12	Design of bandpass-notched ultra wideband antenna for indoor and wearable wireless communications. IET Microwaves, Antennas and Propagation, 2015, 9, 243-251.	1.4	57
13	Stacked-Patch Dual-Polarized Antenna for Triple-Band Handheld Terminals. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 202-205.	4.0	54
14	MIMO Antennas for Mobile Handsets. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 799-802.	4.0	53
15	Low frequency heating of gold nanoparticle dispersions for non-invasive thermal therapies. Nanoscale, 2012, 4, 3945.	5.6	52
16	Experimental Investigation of 3-D Human Body Localization Using Wearable Ultra-Wideband Antennas. IEEE Transactions on Antennas and Propagation, 2015, 63, 5035-5044.	5.1	47
17	Compact and Low-Cost 3-D Printed Antennas Metalized Using Spray-Coating Technology for 5G mm-Wave Communication Systems. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 2051-2055.	4.0	45
18	Low-Profile Directive Millimeter-Wave Antennas Using Free-Formed Three-Dimensional (3-D) Electromagnetic Bandgap Structures. IEEE Transactions on Antennas and Propagation, 2009, 57, 2893-2903.	5.1	44

#	ARTICLE	IF	CITATIONS
19	Pattern-Reconfigurable Dual-Polarized Dielectric Resonator Antenna. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1273-1276.	4.0	39
20	Comparative Study of Sub-THz FSS Filters Fabricated by Inkjet Printing, Microprecision Material Printing, and Photolithography. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 184-190.	3.1	34
21	Stability of active magnetoinductive metamaterials. Journal of Applied Physics, 2010, 108, 054904.	2.5	29
22	Localization of Wearable Ultrawideband Antennas for Motion Capture Applications. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 507-510.	4.0	29
23	Enhancement of evanescent spatial harmonics inside media with extreme optical anisotropy. Optics Letters, 2009, 34, 527.	3.3	28
24	Performance Comparison of Simple and Low Cost Metallization Techniques for 3D Printed Antennas at 10 GHz and 30 GHz. IEEE Access, 2018, 6, 64261-64269.	4.2	27
25	Experimental characterisation of ultra-wideband off-body radio channels considering antenna effects. IET Microwaves, Antennas and Propagation, 2013, 7, 370-380.	1.4	22
26	Detection of glucose variability in saline solutions from transmission and reflection measurements using V-band waveguides. Measurement Science and Technology, 2015, 26, 125701.	2.6	21
27	Polarization reconfigurable ultrawideband antenna for cognitive radio applications. Microwave and Optical Technology Letters, 2013, 55, 501-506.	1.4	18
28	Conductivity and frequency dependent specific absorption rate. Journal of Applied Physics, 2013, 113, .	2.5	18
29	Dual-Layer Corrugated Plate Antenna. IEEE Antennas and Wireless Propagation Letters, 2017, 16, 2086-2089.	4.0	18
30	The importance of Fabry-Pérot resonance and the role of shielding in subwavelength imaging performance of multiwire endoscopes. Applied Physics Letters, 2009, 94, .	3.3	17
31	Efficient compressive spectrum sensing algorithm for M2M devices. , 2014, , .		17
32	Fidelity Pattern Analysis of a CPW-Fed Miniature UWB Antenna Using Different Excitation Pulses. IEEE Antennas and Wireless Propagation Letters, 2015, 14, 494-498.	4.0	17
33	Fabrication of Millimeter-Wave Electromagnetic Bandgap Crystals Using Microwave Dielectric Powders. Journal of the American Ceramic Society, 2009, 92, 371-378.	3.8	16
34	A miniature wideband antenna for wearable systems. , 2013, , .		15
35	High aperture efficient slot antenna surrounded by the cavity and narrow corrugations at Ka-band and Ku-band. IET Microwaves, Antennas and Propagation, 2018, 12, 1926-1931.	1.4	15
36	Ultrawideband-Based 3-D Localization Using Compact Base-Station Configurations. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 221-224.	4.0	14

#	ARTICLE	IF	CITATIONS
37	3D Printed Corrugated Plate Antennas With High Aperture Efficiency and High Gain at X-Band and Ka-Band. IEEE Access, 2020, 8, 30643-30654.	4.2	14
38	Multiple-parameter reconfiguration in a single planar ultra-wideband antenna for advanced wireless communication systems. IET Microwaves, Antennas and Propagation, 2014, 8, 849-857.	1.4	13
39	A 3-D-Printed High-Dielectric Materials-Filled Pyramidal Double-Ridged Horn Antenna for Abdominal Fat Measurement System. IEEE Transactions on Antennas and Propagation, 2021, 69, 64-73.	5.1	13
40	A compact microstrip antenna with improved bandwidth using Complementary Split-Ring Resonator (CSRR) loading. , 2007, , .		12
41	Dual band and dual mode antenna for power efficient body-centric wireless communications. , 2011, , .		12
42	Ultra wideband antenna diversity characterisation for off-body communications in an indoor environment. IET Microwaves, Antennas and Propagation, 2014, 8, 1161-1169.	1.4	12
43	Reconfigurable Intelligent Surface Aided Cellular Networks With Device-to-Device Users. IEEE Transactions on Communications, 2022, 70, 1808-1819.	7.8	12
44	Design of a compact multiband circularly polarized antenna for global navigation satellite systems and 5G/B5G applications. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22182.	1.2	11
45	Low-Pass FSS for 50-230 GHz Quasi-Optical Demultiplexing for the MetOp Second-Generation Microwave Sounder Instrument. IEEE Transactions on Antennas and Propagation, 2017, 65, 5312-5321.	5.1	10
46	Design of very-low-profile circular UHF small antenna using characteristic mode analysis. IET Microwaves, Antennas and Propagation, 2017, 11, 1113-1120.	1.4	10
47	An improved design of orthogonal half disk UWB antenna. , 2006, , .		9
48	Miniaturisation of Printed Disc UWB Monopoles. , 2008, , .		9
49	Compressive spectrum sensing augmented by geo-location database. , 2015, , .		9
50	Measurement and simulation of powerline channel using OFDM for UWB communication. , 2009, , .		8
51	Dielectric Property Measurement of Gold Nanoparticle Dispersions in the Millimeter Wave Range. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 140-151.	2.2	8
52	Experimental Investigation of Subject-Specific On-Body Radio Propagation Channels for Body-Centric Wireless Communications. Electronics (Switzerland), 2014, 3, 26-42.	3.1	8
53	Miniaturized Antenna Array with Co<math>2</math>/Z Hexaferrite Substrate for Massive MIMO. , 2014, , .		7
54	Mode control in air gap dielectric resonant antennas for applications in IEEE 802.11ac wireless local area network base station antennas. IET Microwaves, Antennas and Propagation, 2015, 9, 1297-1306.	1.4	7

#	ARTICLE	IF	CITATIONS
55	Compact and printed MIMO antennas for 2G/3G and 4G &#x2014; LTE mobile tablets. , 2015, , .		7
56	Sub-Nyquist rate wideband spectrum sensing over TV white space for M2M communications. , 2015, , .		7
57	Efficient design of a radome for minimised transmission loss. IET Microwaves, Antennas and Propagation, 2016, 10, 1662-1666.	1.4	7
58	UWB Channel Characterization for Compact L-Shape Configurations for Body-Centric Positioning Applications. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 29-33.	4.0	7
59	FDTD Characterisation of UWB Indoor Radio Channel Including Frequency Dependent Antenna Directivities. , 2006, , .		6
60	Design of tri-reflector Compact Antenna Test Range for millimetre/sub-millimetre wave and THz antenna measurement. , 2011, , .		6
61	A planar dual fed UWB monopole antenna with polarization diversity for cognitive radio sensing. , 2012, , .		6
62	Low-rank matrix completion based malicious user detection in cooperative spectrum sensing. , 2013, , .		6
63	Low cost shaped beam synthesis for semi-smart base station antennas. IET Microwaves, Antennas and Propagation, 2016, 10, 119-128.	1.4	6
64	Ultra wideband off-body radio channel characterisation and modelling for healthcare applications. , 2012, , .		5
65	Quad band circular polarized antenna. , 2012, , .		5
66	The design and manufacture of a high frequency CATR. , 2013, , .		5
67	Pattern reconfigurable Dielectric Loaded Antenna (DLA) for polarisation diversity Wi-Fi Access Point. , 2013, , .		5
68	UHF tunable compact antennas on Co <sub>2</sub> Z hexaferrite substrate with 2.5/1 tunable frequency range. , 2015, , .		5
69	Monopulse sum and difference signals with compensation for a failed feed element. IET Microwaves, Antennas and Propagation, 2016, 10, 645-650.	1.4	5
70	Glucose Sensing in Saline Solutions using V-Band Waveguides. , 2014, , .		5
71	Directive millimetrewave antennas using freeformed ceramic metamaterials in planar and cylindrical forms. , 2008, , .		4
72	Observational science at millimetre wavelengths: Imaging, imagining and exciting!. , 2010, , .		4

#	ARTICLE	IF	CITATIONS
73	On-body radio channel performance of a small printed quasi-self-complementary ultra wideband antenna. , 2013, , .		4
74	Time domain analysis of a miniature tapered-slot UWB antenna. , 2014, , .		4
75	Circular co-planar inverted-F antenna for UHF Machine-to-Machine communications. , 2015, , .		4
76	Small and high gain millimetre wave corrugated grooves antenna. , 2015, , .		4
77	From simulations to measurements: prototyping an antenna for non-linear applications at sub-THz frequencies. IET Microwaves, Antennas and Propagation, 2017, 11, 304-309.	1.4	4
78	Influence of spatial distribution of base-stations on off-body path loss statistics for wireless body area network applications. Wireless Networks, 2021, 27, 4759-4772.	3.0	4
79	Applications of Electromagnetic Bandgap (EBG) Structures for Novel Communication Antenna Designs. , 2006, , .		3
80	Mushroom-Like High-Impedance Surface (HIS) with Slanted VIAS. , 2007, , .		3
81	Exploit adaptive modulation in UWB Powerline Communication for improved BER performance. , 2010, , .		3
82	The UWB imaging system with rotating antenna array for concealed metallic object. , 2014, , .		3
83	Miniaturized UHF Antenna using a magneto-dielectric superstrate for M2M communications. , 2015, , .		3
84	Low-cost inkjet-printed FSS band-pass filters for 100 and 300 GHz. , 2016, , .		3
85	Investigation of frequency-tripling performance of Schottky diode based multennas to 0.3 THz. , 2016, , .		3
86	A reconfigurable reflectarray antenna in Ka-band using optically excited silicon. , 2016, , .		3
87	Measurements of non-linear sub-THz quasi-optical devices. , 2017, , .		3
88	High aperture efficient antenna at Ku band. , 2017, , .		3
89	Enhanced 3D localisation accuracy of body-mounted miniature antennas using ultra-wideband technology in line-of-sight scenarios. IET Microwaves, Antennas and Propagation, 2018, 12, 1-8.	1.4	3
90	Compressive Sensing in Massive MIMO Array Testing: A Practical Guide. IEEE Transactions on Antennas and Propagation, 2022, 70, 7978-7988.	5.1	3

#	ARTICLE	IF	CITATIONS
91	On the Performance of UWB Monopole Antennas. , 2007, , .		2
92	IEEE 802.11a Data Over Fiber Transmission Using Electromagnetic Bandgap Photonic Antenna With Integrated Asymmetric Fabryâ€“PÃ‰rot Modulator/Detector. Journal of Lightwave Technology, 2008, 26, 2671-2678.	4.6	2
93	A miniature quasi-self-complementary antenna for UWB applications. , 2008, , .		2
94	Stacked patch circular polarized antenna for GPS/Galileo receiver applications. , 2012, , .		2
95	A compact low-cost Dielectric Loaded Antenna for Wi-Fi Access Point applications. , 2013, , .		2
96	Broadband circular polarized antenna for mobile communication applications. , 2013, , .		2
97	Ultra wideband on-body radio radio propagation channels study for different real human test subjects with various sizes and shapes. , 2013, , .		2
98	Study and design of an integrated GPS and cellular antenna. , 2013, , .		2
99	Experimental investigation of 3D localisation of an on-body UWB antenna using several base stations. , 2014, , .		2
100	Examination of the effectiveness of FF MARS in a CATR through electromagnetic simulation. IET Microwaves, Antennas and Propagation, 2018, 12, 542-548.	1.4	2
101	Plane-wave spectrum methods for the near-field characterization of very large structures using UAVs: The SKA radio telescope case. , 2021, , .		2
102	Sub-Nyquist spectrum sensing and learning challenge. Frontiers of Computer Science, 2021, 15, 1.	2.4	2
103	Analogue Phase Shifter based on Stacked CBCPW. , 2006, , .		1
104	Modal Decomposition Equivalent Circuit Method Application for dual Frequency FSS Analysis. , 2007, , .		1
105	Dielectric Loaded Folded Half Loop Antenna for DVB-H Terminals. , 2007, , .		1
106	A Study of Cross Ring Antenna for UWB Applications. , 2007, , .		1
107	An EBG enhancement to patch array antenna with integrated optical transducer. , 2007, , .		1
108	Study of a dielectric-loaded folded monopole antenna at UHF band for DVB-H terminals. Microwave and Optical Technology Letters, 2008, 50, 487-490.	1.4	1

#	ARTICLE	IF	CITATIONS
109	A printed miniature antenna for UWB applications. , 2010, , .		1
110	A printed miniaturised antenna for ultra wideband systems. , 2010, , .		1
111	Advances in conformal antennas based on high impedance and EBG metamaterial surfaces. , 2011, , .		1
112	Compact wideband circularly polarized slotted ground plane antenna for mobile terminals. , 2017, , .		1
113	Hybrid Development of a Compact Antenna Based on a Novel Skin-Matched Ceramic Composite for Body Fat Measurement. Electronics (Switzerland), 2020, 9, 2139.	3.1	1
114	High Gain 3D Printed Antenna with Corrugations and High Aperture Efficiency Performance. , 2020, , .		1
115	Moments-method analysis of a finite array of arbitrary shaped microstrip patch radiating elements. The International Executive, 1994, 4, 18-30.	0.1	0
116	Effect of antenna's positioning on a handset for a miniature dielectric-loaded folded half-loop antenna. , 2006, , .		0
117	Design of diversity antenna array for GALILEO/GPS receivers. , 2006, , .		0
118	A Free-formed EBG resonator antenna at millimeter wave frequencies. , 2006, , .		0
119	Planar near-field measurement on an omni-directional UWB antenna. , 2007, , .		0
120	Low profile high directivity millimetrewave antenna using freeformed metamaterial. , 2007, , .		0
121	Solid freeforming of millimetrewave metamaterials and its applications. , 2007, , .		0
122	Further investigation of a dual-element diversity PIFA for MIMO applications at 2.5 GHz band. , 2007, , .		0
123	Modal decomposition equivalent circuit method application for multilayer FSS. , 2007, , .		0
124	Millimetrewave Metamaterials with Controlled Defects and Their Applications. , 2008, , .		0
125	Cylindrical woodpile antenna for millimeter-wave short range gigabit communications. , 2008, , .		0
126	A time domain study of a small quasi-self-complementary UWB antenna. , 2010, , .		0



#	ARTICLE	IF	CITATIONS
127	WLAN MIMO channel model in a ray-tracing simulator. , 2010, , .		0
128	Broadband active magnetic materials. , 2010, , .		0
129	Experimental characterization of Gold Nanoparticle suspensions at W band using a quasi-optical bench. , 2011, , .		0
130	Dielectric measurement of gold nanoparticle dispersions using THz-Time domain spectroscopy. , 2012, , .		0
131	Second order statistics of ultra wideband on-body radio channels. , 2012, , .		0
132	Parameters extraction of three-dimensional structures for graded textile cloaking materials. , 2013, , .		0
133	Investigative analysis of the influence of different simplified human body models on a miniature ultra-wideband antenna. , 2014, , .		0
134	Shaped beam synthesis with 4-element conformal array for a semi-smart Picocell sector antenna. , 2015, , .		0
135	A low-cost FMCW radar front end for imaging at 24 GHz to 33 GHz. , 2015, , .		0
136	Higher harmonic generation: Coupling two radiating elements at two different frequencies. , 2016, , .		0