

Sujith Raman

List of Publications by Year in descending order

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60
papers

791
citations

623734

14
h-index

526287

27
g-index

61
all docs

61
docs citations

61
times ranked

684
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of Microwave Materials: A Review. Journal of Electronic Materials, 2019, 48, 2601-2634.	2.2	120
2	Low-Cost Multiple-Bit Encoded Chipless RFID Tag Using Stepped Impedance Resonator. IEEE Transactions on Antennas and Propagation, 2014, 62, 4762-4770.	5.1	73
3	ACS fed printed F-shaped uniplanar antenna for dual band WLAN applications. Microwave and Optical Technology Letters, 2009, 51, 1852-1856.	1.4	54
4	Microstrip-Fed Pattern- and Polarization- Reconfigurable Compact Truncated Monopole Antenna. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 710-713.	4.0	53
5	Effect of coupling agent on the thermal and dielectric properties of PTFE/Sm ₂ Si ₂ O ₇ composites. Composites Part A: Applied Science and Manufacturing, 2010, 41, 1148-1155.	7.6	52
6	Electromagnetic Interference (EMI): Measurement and Reduction Techniques. Journal of Electronic Materials, 2020, 49, 2975-2998.	2.2	49
7	A compact asymmetric coplanar strip fed dual-band antenna for DCS/WLAN applications. Microwave and Optical Technology Letters, 2012, 54, 1087-1089.	1.4	38
8	Novel Low Loss, Low Permittivity Glass-Ceramic Composites for LTCC Applications. International Journal of Applied Ceramic Technology, 2011, 8, 172-179.	2.1	36
9	Compact CPW-fed ground defected H-shaped slot antenna with harmonic suppression and stable radiation characteristics. Electronics Letters, 2010, 46, 812.	1.0	25
10	Noninvasive Osseointegration Analysis of Skull Implants With Proximity Coupled Split Ring Resonator Antenna. IEEE Transactions on Antennas and Propagation, 2014, 62, 5431-5436.	5.1	24
11	A compact dual-band modified T-shaped CPW-fed monopole antenna. Microwave and Optical Technology Letters, 2009, 51, 937-939.	1.4	21
12	Gain enhanced pattern reconfigurable planar Yagi-Uda antenna on coplanar structure. Electronics Letters, 2013, 49, 1593-1595.	1.0	20
13	Dual MIMO Antenna System for 5G Mobile Phones, 5.2 GHz WLAN, 5.5 GHz WiMAX and 5.8/6 GHz WiFi Applications. IEEE Access, 2021, 9, 106734-106742.	4.2	20
14	Complex Permittivity Extraction of Planar Dielectrics Using a Noninvasive Microwave Transmission Line Resonant Technique. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	17
15	Compact CPW-fed uniplanar antenna for multiband wireless applications. AEU - International Journal of Electronics and Communications, 2011, 65, 553-559.	2.9	14
16	Effect of silane coupling agent on the dielectric and thermal properties of DGEBA-forsterite composites. Journal of Polymer Research, 2011, 18, 811-819.	2.4	12
17	Microwave reflectivity analysis of bone mineral density using ultra wide band antenna. Microwave and Optical Technology Letters, 2017, 59, 21-26.	1.4	11
18	Slot line FED dipole antenna for wide band applications. Microwave and Optical Technology Letters, 2009, 51, 826-830.	1.4	9

#	ARTICLE	IF	CITATIONS
19	Experimental Procedure for Determination of the Dielectric Properties of Biological Samples in the 2-50 GHz Range. IEEE Journal of Translational Engineering in Health and Medicine, 2014, 2, 1-8.	3.7	9
20	Low Cost Multifunctional Planar RF Sensors for Dielectric Characterization and Quality Monitoring. IEEE Sensors Journal, 2021, 21, 24056-24065.	4.7	9
21	MOBILE ANTENNA WITH REDUCED RADIATION HAZARDS TOWARDS HUMAN HEAD. Progress in Electromagnetics Research Letters, 2010, 17, 39-46.	0.7	8
22	Microwave phantoms for craniotomy follow-up probe development. , 2014, , .		8
23	Mechanically Frequency Reconfigurable Antenna and its Application as a Fluid Level Detector for Wireless Sensor Networks. , 2019, , .		8
24	Mechanically frequency reconfigurable antenna for WSN, WLAN, and LTE 2500 based internet of things applications. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22318.	1.2	8
25	Bio-based Materials for Microwave Devices: A Review. Journal of Electronic Materials, 2021, 50, 1893-1921.	2.2	8
26	Studies on the effect of mobile phone radiation on DNA using laser induced fluorescence technique. Laser Physics, 2011, 21, 1945-1949.	1.2	7
27	Microstrip fed ground modified compact antenna with reconfigurable radiation pattern for BANs. , 2012, , .		7
28	Bone mineral density analysis using ultra wideband microwave measurements. , 2015, , .		7
29	Microstrip patch based switched beam antenna at 2.45 GHz for wireless sensor network applications. Journal of Electromagnetic Waves and Applications, 2017, 31, 1333-1341.	1.6	7
30	Relative permittivity measurements of EtOH and MtOH mixtures for calibration standards in 1-15 GHz range. Electronics Letters, 2014, 50, 358-359.	1.0	6
31	PTFE/SWNT composite for microwave absorption application. Materials Letters, 2010, 64, 743-745.	2.6	4
32	Modified CPW fed monopole antenna with a radiation pattern suitable for mobile handset. , 2011, , .		4
33	3-port MIMO Antenna for UWB Applications with Polarization Dependency Analysis. , 2018, , .		4
34	2.45 GHz Pattern Reconfigurable Antenna for Wireless Sensor Network applications. , 2019, , .		4
35	Compact csrr based patch antenna for wireless applications. , 2009, , .		3
36	Compact coplanar waveguide fed ground meandered antenna for wireless application. , 2011, , .		3

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37	Compact CPW-Fed slot antenna with harmonic suppression. International Journal of RF and Microwave Computer-Aided Engineering, 2011, 21, 543-550.	1.2	3
38	Complementary split ring resonator-based microstrip antenna for compact wireless applications. Microwave and Optical Technology Letters, 2013, 55, 814-816.	1.4	3
39	Head-compliant microstrip split ring resonator for non-invasive healing monitoring after craniostomosis-based surgery. Healthcare Technology Letters, 2020, 7, 29-34.	3.3	3
40	Compact asymmetric coplanar strip-fed antenna for wideband applications. Microwave and Optical Technology Letters, 2009, 51, 1170-1172.	1.4	2
41	Polymer ceramic composites for microwave substrate and antenna applications. , 2010, , .		2
42	A planar compact metamaterial-inspired broadband antenna. Microwave and Optical Technology Letters, 2014, 56, 610-613.	1.4	2
43	Multi resonance based chipless RFID tag with high data encoding capacity. , 2014, , .		2
44	A Quad-port MIMO Antenna with Beam Switching and Pattern Reconfiguration Capability for UWB Applications. , 2018, , .		2
45	CPW fed Antenna for Nearfield Sensor Applications. , 2018, , .		2
46	Metamaterial Inspired RF Planar Sensor for Dielectric Characterization and Identification of Adulteration in Vegetable Oils. , 2020, , .		2
47	Asymmetric Coplanar Strip fed wide band antenna. , 2008, , .		1
48	Yagi-Uda-Inspired Pattern Reconfigurable MIMO Antenna with Suppressed Harmonics and Minimum Parasitic Presence for WLAN Applications. , 2020, , .		1
49	A Flexible PVA/CaCO ₃ Dielectric Film for Microwave Antenna Applications. , 2020, , .		1
50	A Novel CR/L-H Transmission Line based Bandpass Filter for sub 6 GHz 5G. , 2020, , .		1
51	A quasi-elliptic Band Pass Filter designed using quadruplet metamaterial resonators for operation in the 3 GHz (5G) Band. , 2020, , .		1
52	Compact uniplanar antenna for multiband applications. , 2008, , .		0
53	CPW-fed quad-band antenna for compact wireless application. , 2009, , .		0
54	An SIR loaded modified dipole antenna. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
55	Osseointegration analysis of skull implants using microstrip fed split ring resonator antenna. , 2014, , .		0
56	Geometrical and dimensional dependance of skull implants on oseointegration analysis using microwave probe. , 2014, , .		0
57	A high gain compact coplanar stripline fed antenna for wireless applications. , 2014, , .		0
58	Dual-band Antennas with Multifunctional Beam for DCS/WLAN Applications. , 2018, , .		0
59	Parasitically Coupled Microstrip Patch Antenna for DCS and WLAN Applications. , 2020, , .		0
60	4-Port Microstrip planar resonator for multiband microwave material characterization applications. , 2022, , .		0