

# Ekambir Sidhu

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

222  
citations

2682335

2  
h-index

2917550

2  
g-index

59  
all docs

59  
docs citations

59  
times ranked

125  
citing authors

#	ARTICLE	IF	CITATIONS
1	Raspberry pi based smart fire management system employing sensor based automatic water sprinkler. , 2017, , .		7
2	THz rectangular microstrip patch antenna employing polyimide substrate for video rate imaging and homeland defence applications. Optik, 2017, 144, 634-641.	1.4	57
3	Design and performance analysis of high gain flexible yagi microstrip patch antenna for fixed-satellite, radio location and amateur-satellite service applications. , 2017, , .		0
4	Flexible microstrip patch antenna designs for Bluetooth, IMT, WLAN and WiMAX applications. , 2017, , .		3
5	Performance analysis of conductive patch materials for the design and fabrication of microstrip patch antennas. , 2017, , .		6
6	Design and performance analysis of rectangular textile microstrip patch antennas employing different textile materials for Ku band applications. , 2017, , .		2
7	High gain reduced ground terahertz microstrip patch antenna design for the detection of trinitrotoluene (TNT) explosives material. , 2017, , .		7
8	Design and performance analysis of Cockroft-Walton Voltage Multiplier (CWVM) energy harvesting for low power applications. , 2017, , .		2
9	Paradigm and performance anatomization of automatic indoor solar energy harvesting system exerting sensors. , 2017, , .		1
10	Performance analysis of effect of vibrations on solar panel conversion efficiency. , 2017, , .		4
11	Design and performance analysis of autonomous indoor solar energy harvesting system. , 2017, , .		0
12	Design and performance analysis of high gain microstrip patch antennas employing leather substrates for earth exploration satellite applications. , 2017, , .		0
13	Performance evaluation of microstrip patch antenna using plywood as substrate for fixed satellite and earth exploration applications. , 2017, , .		1
14	Novel high gain air gap directive antenna for X-band satellite to earth downlink applications. , 2016, , .		2
15	Star shaped microstrip patch antenna design with slotted ground plane for Civil/Military radio location and satellite navigation applications. , 2016, , .		2
16	Rochelle salt integrated PIR sensor arduino based intruder detection system (ABIDS). , 2016, , .		5
17	High gain textile microstrip patch antenna design employing denim substrate for Ku band satellite applications. , 2016, , .		1
18	Efficient Arduino UNO driven smart highway/bridge/tunnel lighting system employing rochelle piezoelectric sensor. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
19	Flexible novel trident shaped microstrip patch antennas design employing Teflon substrate. , 2016, , .		1
20	High gain dual resonant textile microstrip patch antenna design employing denim substrate for vehicle mounted earth station uplink applications. , 2016, , .		1
21	Novel dual circular stacked microstrip patch antenna design for S-band UWB applications. , 2016, , .		0
22	Novel dual resonant air gap antenna for defence systems, earth exploration-satellite, land mobile, radio determination application, weather satellite and broadcasting satellite applications. , 2016, , .		0
23	TeraHertz textile microstrip patch antenna design employing denim substrate for detection of TNT explosives. , 2016, , .		2
24	Floating TEG based solar energy harvesting system. , 2016, , .		12
25	High gain blind hole substrate slotted Microstrip Patch Antenna design for X-band applications. , 2016, , .		2
26	Novel microstrip patch antenna design employing Extruded Polystyrene (XPS) substrate for GSM, IMT, WLAN, Bluetooth, WiMAX and X-band applications. , 2016, , .		3
27	High return loss microstrip patch antenna design for radio applications. , 2016, , .		1
28	THz rectangular slitted microstrip patch antenna design for biomedical applications, security purposes & drug detection. , 2016, , .		8
29	Autonomous dynamic thermoelectric energy harvesting system for water heating purposes. , 2016, , .		2
30	Stacked decagon shaped THz Microstrip Patch antenna design for detection of GaAs semi-conductor properties. , 2016, , .		2
31	Novel microstrip patch antenna design employing flexible PVC substrate suitable for defence and radio-determination applications. , 2016, , .		2
32	Ameliorated Urine Powered Battery (AUPB) for low power applications. , 2016, , .		2
33	Novel dumble shaped stacked micro strip patch antenna for Bluetooth/IMT/WLAN applications. , 2016, , .		2
34	Inverted L shape slotted micro strip patch antenna for IMT, WiMAX and WLAN applications. , 2016, , .		2
35	Performance analysis of microstrip patch antenna using CSRR and PSRR techniques for WLAN, WiMAX, Wi-Fi and IMT applications. , 2016, , .		9
36	High gain ultra wide band (UWB) multi resonant antenna for biomedical applications, security purposes and drug detection. , 2016, , .		7

#	ARTICLE	IF	CITATIONS
37	High gain stacked microstrip folded dipole Yagi antenna configuration for WiMAX applications. , 2016, , .		7
38	Efficient autonomous solar energy harvesting system utilizing dynamic offset feed mirrored parabolic dish integrated solar panel. , 2016, , .		7
39	Dual resonant stacked Shivaling shaped microstrip patch antenna for GSM, IMT, WLAN, Bluetooth and WiMAX applications. , 2016, , .		0
40	Solar energy driven Arduino based smart mosquito repeller system. , 2016, , .		2
41	Enhanced Urine Powered Battery (EUPB) for low power applications. , 2016, , .		0
42	Performance analysis of microstrip patch antenna employing Acrylic, Teflon and Polycarbonate as low dielectric constant substrate materials. , 2016, , .		2
43	High gain multifaceted novel UWB flexible microstrip patch antennas for indoor location and tracking equipment applications. , 2016, , .		0
44	High gain substrate slotted microstrip patch antenna design for X-band satellite uplink applications. , 2016, , .		3
45	Efficient autonomous solar panel and thermo-electric generator (TEG) integrated hybrid energy harvesting system. , 2016, , .		7
46	Novel UWB slotted I-shaped flexible microstrip patch antenna design for satellite reconnaissance, amateur radio, future soil moisture and sea surface salinity missions. , 2016, , .		1
47	Novel autonomous Compact Inert Cell Extracted-Urine Powered Cell (ICE-UPC) energy harvesting system for driving low power applications. , 2016, , .		0
48	Step notched flexible microstrip patch antenna with reduced ground for bluetooth, ISM and WLAN applications. , 2016, , .		0
49	Dead cell extracted-urine powered battery energy harvesting system. , 2016, , .		1
50	Flexible FR-4 based novel ultra-wide band microstrip patch antenna for buried landmine detection applications. , 2016, , .		0
51	Slotted rook shaped novel wide-band microstrip patch antenna for radar altimeter, IMT, WiMAX and C-band satellite downlink applications. , 2016, , .		9
52	High gain textile rectangular microstrip patch antenna design employing denim substrate for satellite space to Earth downlink applications. , 2016, , .		3
53	Novel high gain honeycomb shaped slotted ground microstrip patch antenna design for broadcasting fixed satellite, mobile satellite and downlink frequency applications. , 2016, , .		0
54	High directivity FR4 substrate slotted defected ground microstrip patch antenna for X-band applications. , 2016, , .		7

#	ARTICLE	IF	CITATIONS
55	Rectangular slitted ground stacked microstrip patch antenna design for public safety purposes. , 2016, , .		3
56	Novel Efficient Micro strip Antenna Design for Satellite C-band Downlink Applications. SSRG International Journal of Engineering Trends and Technology, 2016, 34, 85-87.	0.3	0
57	Smart-cap for pedestrian safety. , 2015, , .		3
58	Urine Powered Battery (UPB) for low power sensors. , 2015, , .		3
59	Equivalent Circuit Modelling of Microstrip Patch Antenna (MPA) Using Parallel LCR Circuits. SSRG International Journal of Engineering Trends and Technology, 2015, 25, 183-185.	0.3	3