

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 | THz rectangular microstrip patch antenna employing polyimide substrate for video rate imaging and homeland defence applications. Optik, 2017, 144, 634-641. | 1.4 | 57 |
| 2 | Floating TEG based solar energy harvesting system. , 2016, , . | | 12 |
| 3 | Performance analysis of microstrip patch antenna using CSRR and PSRR techniques for WLAN, WiMAX, Wi-Fi and IMT applications. , 2016, , . | | 9 |
| 4 | Slotted rook shaped novel wide-band microstrip patch antenna for radar altimeter, IMT, WiMAX and C-band satellite downlink applications. , 2016, , . | | 9 |
| 5 | THz rectangular slitted microstrip patch antenna design for biomedical applications, security purposes & drug detection. , 2016, , . | | 8 |
| 6 | High gain ultra wide band (UWB) multi resonant antenna for biomedical applications, security purposes and drug detection. , 2016, , . | | 7 |
| 7 | High gain stacked microstrip folded dipole Yagi antenna configuration for WiMAX applications. , 2016, , . | | 7 |
| 8 | Efficient autonomous solar energy harvesting system utilizing dynamic offset feed mirrored parabolic dish integrated solar panel. , 2016, , . | | 7 |
| 9 | Efficient autonomous solar panel and thermo-electric generator (TEG) integrated hybrid energy harvesting system. , 2016, , . | | 7 |
| 10 | High directivity FR4 substrate slotted defected ground microstrip patch antenna for X-band applications. , 2016, , . | | 7 |
| 11 | Raspberry pi based smart fire management system employing sensor based automatic water sprinkler. , 2017, , . | | 7 |
| 12 | High gain reduced ground terahertz microstrip patch antenna design for the detection of trinitrotoluene (TNT) explosives material. , 2017, , . | | 7 |
| 13 | Performance analysis of conductive patch materials for the design and fabrication of microstrip patch antennas. , 2017, , . | | 6 |
| 14 | Rochelle salt integrated PIR sensor arduino based intruder detection system (ABIDS). , 2016, , . | | 5 |
| 15 | Performance analysis of effect of vibrations on solar panel conversion efficiency. , 2017, , . | | 4 |
| 16 | Smart-cap for pedestrian safety. , 2015, , . | | 3 |
| 17 | Urine Powered Battery (LUPB) for low power sensors. , 2015, , . | | 3 |
| 18 | Efficient Arduino UNO driven smart highway/bridge/tunnel lighting system employing rochelle piezoelectric sensor. , 2016, , . | | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Novel microstrip patch antenna design employing Extruded Polystyrene (XPS) substrate for GSM, IMT, WLAN, Bluetooth, WiMAX and X-band applications. , 2016, , . | | 3 |
| 20 | High gain substrate slotted microstrip patch antenna design for X-band satellite uplink applications. , 2016, , . | | 3 |
| 21 | High gain textile rectangular microstrip patch antenna design employing denim substrate for satellite space to Earth downlink applications. , 2016, , . | | 3 |
| 22 | Flexible microstrip patch antenna designs for Bluetooth, IMT, WLAN and WiMAX applications. , 2017, , . | | 3 |
| 23 | Rectangular slitted ground stacked microstrip patch antenna design for public safety purposes. , 2016, , . | | 3 |
| 24 | 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 |
| 25 | Novel high gain air gap directive antenna for X-band satellite to earth downlink applications. , 2016, , . | | 2 |
| 26 | Star shaped microstrip patch antenna design with slotted ground plane for Civil/Military radio location and satellite navigation applications. , 2016, , . | | 2 |
| 27 | TeraHertz textile microstrip patch antenna design employing denim substrate for detection of TNT explosives. , 2016, , . | | 2 |
| 28 | High gain blind hole substrate slotted Microstrip Patch Antenna design for X-band applications. , 2016, , . | | 2 |
| 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 | Solar energy driven Arduino based smart mosquito repeller system. , 2016, , . | | 2 |
| 36 | Performance analysis of microstrip patch antenna employing Acrylic, Teflon and Polycarbonate as low dielectric constant substrate materials. , 2016, , . | | 2 |

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|----|--|----|-----------|
| 37 | Design and performance analysis of rectangular textile microstrip patch antennas employing different textile materials for Ku band applications. , 2017, , . | | 2 |
| 38 | Design and performance analysis of Cockroft-Walton Voltage Multiplier (CWVM) energy harvesting for low power applications. , 2017, , . | | 2 |
| 39 | High gain textile microstrip patch antenna design employing denim substrate for Ku band satellite applications. , 2016, , . | | 1 |
| 40 | Flexible novel trident shaped microstrip patch antennas design employing Teflon substrate. , 2016, , . | | 1 |
| 41 | High gain dual resonant textile microstrip patch antenna design employing denim substrate for vehicle mounted earth station uplink applications. , 2016, , . | | 1 |
| 42 | High return loss microstrip patch antenna design for radio applications. , 2016, , . | | 1 |
| 43 | 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 |
| 44 | Dead cell extracted-urine powered battery energy harvesting system. , 2016, , . | | 1 |
| 45 | Paradigm and performance anatomization of automatic indoor solar energy harvesting system exerting sensors. , 2017, , . | | 1 |
| 46 | Performance evaluation of microstrip patch antenna using plywood as substrate for fixed satellite and earth exploration applications. , 2017, , . | | 1 |
| 47 | Novel dual circular stacked microstrip patch antenna design for S-band UWB applications. , 2016, , . | | 0 |
| 48 | 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 |
| 49 | Dual resonant stacked Shivling shaped microstrip patch antenna for GSM, IMT, WLAN, Bluetooth and WiMAX applications. , 2016, , . | | 0 |
| 50 | Enhanced Urine Powered Battery (EUPB) for low power applications. , 2016, , . | | 0 |
| 51 | High gain multifaceted novel UWB flexible microstrip patch antennas for indoor location and tracking equipment applications. , 2016, , . | | 0 |
| 52 | Novel autonomous Compact Inert Cell Extracted-Urine Powered Cell (ICE-UPC) energy harvesting system for driving low power applications. , 2016, , . | | 0 |
| 53 | Step notched flexible microstrip patch antenna with reduced ground for bluetooth, ISM and WLAN applications. , 2016, , . | | 0 |
| 54 | Flexible FR-4 based novel ultra-wide band microstrip patch antenna for buried landmine detection applications. , 2016, , . | | 0 |

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|----|---|-----|-----------|
| 55 | Novel high gain honeycomb shaped slotted ground microstrip patch antenna design for broadcasting fixed satellite, mobile satellite and downlink frequency applications. , 2016, , . | | 0 |
| 56 | Design and performance analysis of high gain flexible yagi microstrip patch antenna for fixed-satellite, radio location and amateur-satellite service applications. , 2017, , . | | 0 |
| 57 | Design and performance analysis of autonomous indoor solar energy harvesting system. , 2017, , . | | 0 |
| 58 | Design and performance analysis of high gain microstrip patch antennas employing leather substrates for earth exploration satellite applications. , 2017, , . | | 0 |
| 59 | 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 |