

Amanpreet Kaur

List of Publications by Year in descending order

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86
papers

1,031
citations

516710

16
h-index

580821

25
g-index

88
all docs

88
docs citations

88
times ranked

1140
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitive and selective acetone sensor based on Gd doped WO ₃ /reduced graphene oxide nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 1022-1035.	7.8	84
2	Systematic review of microRNA biomarkers in acute coronary syndrome and stable coronary artery disease. <i>Cardiovascular Research</i> , 2020, 116, 1113-1124.	3.8	60
3	Nature Inspired Algorithm-Based Improved Variants of DV-Hop Algorithm for Randomly Deployed 2D and 3D Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2018, 101, 567-582.	2.7	59
4	3-D Printed Air Substrates for the Design and Fabrication of RF Components. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2017, 7, 982-989.	2.5	42
5	Mapping the H2 resistance effective against <i>Globodera pallida</i> pathotype Pa1 in tetraploid potato. <i>Theoretical and Applied Genetics</i> , 2019, 132, 1283-1294.	3.6	36
6	Affordable 3D printed microwave antennas. , 2015, , .		30
7	Professional quality of life among professional care providers at cancer palliative care centers in Bengaluru, India. <i>Indian Journal of Palliative Care</i> , 2018, 24, 167.	1.0	30
8	Affordable terahertz components using 3D printing. , 2015, , .		29
9	A Hybrid Magnetoelastic Wireless Sensor for Detection of Food Adulteration. <i>IEEE Sensors Journal</i> , 2017, 17, 1706-1714.	4.7	29
10	Breast tissue tumor detection using S_{11} -parameter analysis with an UWB stacked aperture coupled microstrip patch antenna having a ϵ -shaped defected ground structure. <i>International Journal of Microwave and Wireless Technologies</i> , 2020, 12, 635-651.	1.9	28
11	A novel and efficient deep learning approach for COVID-19 detection using X-ray imaging modality. <i>International Journal of Imaging Systems and Technology</i> , 2021, 31, 1775-1791.	4.1	26
12	Temperature dependent selective detection of hydrogen and acetone using Pd doped WO ₃ /reduced graphene oxide nanocomposite. <i>Chemical Physics Letters</i> , 2018, 701, 115-125.	2.6	24
13	Systematic review of interventions to reduce mental health stigma in India. <i>Asian Journal of Psychiatry</i> , 2021, 55, 102466.	2.0	24
14	Direct somatic embryogenesis and encapsulation of somatic embryos for in vitro conservation of <i>Bacopa monnieri</i> (L.) Wettst. <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 127, 433-442.	2.3	23
15	CNTs and Graphene-Based Diodes for Microwave and Millimeter-Wave Circuits on Flexible Substrates. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2016, 6, 1766-1775.	2.5	23
16	Wnt5a Signals through DVL1 to Repress Ribosomal DNA Transcription by RNA Polymerase I. <i>PLoS Genetics</i> , 2016, 12, e1006217.	3.5	21
17	An integrated community and primary healthcare worker intervention to reduce stigma and improve management of common mental disorders in rural India: protocol for the SMART Mental Health programme. <i>Trials</i> , 2021, 22, 179.	1.6	21
18	A complementary Sierpinski gasket fractal antenna array integrated with a complementary Archimedean defected ground structure for portable 4G/5G UWB MIMO communication devices. <i>Microwave and Optical Technology Letters</i> , 2020, 62, 2595-2605.	1.4	20

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19	Hexa-band suppression characteristics from a fork-shaped UWB-MIMO antenna loaded with complementary split-ring resonator and slots. <i>Journal of Electromagnetic Waves and Applications</i> , 2020, 34, 2194-2219.	1.6	18
20	Monostatic radar-based microwave imaging of breast tumor detection using a compact cubical dielectric resonator antenna. <i>Microwave and Optical Technology Letters</i> , 2021, 63, 196-204.	1.4	18
21	UWB aperture coupled circular fractal MIMO antenna with a complementary rectangular spiral defected ground structure (DGS) for 4G/WLAN/radar/satellite/international space station (ISS) communication systems. <i>Journal of Electromagnetic Waves and Applications</i> , 2020, 34, 2317-2338.	1.6	17
22	Temperature sensor based on exfoliated graphene sheets produced by microwave assisted freezing induced volumetric expansion of carbonated water. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5791-5807.	2.2	15
23	Managing the degree of exfoliation and number of graphene layers using probe sonication approach. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017, 25, 318-326.	2.1	14
24	A new localization using single mobile anchor and mesh-based path planning models. <i>Wireless Networks</i> , 2019, 25, 2919-2929.	3.0	14
25	A multilayer dual wideband circularly polarized microstrip antenna with DGS for WLAN/Bluetooth/ZigBee/Wi-Max/ IMT band applications. <i>International Journal of Microwave and Wireless Technologies</i> , 2017, 9, 317-325.	1.9	13
26	Aerosol-Jet Printed Quasi-Optical Terahertz Filters. , 2017, , .		13
27	A complementary Sierpinski gasket fractal antenna array for wireless MIMO portable devices. <i>Microwave and Optical Technology Letters</i> , 2019, 61, 436-442.	1.4	13
28	An ultra wideband -shaped DRA with a defected ground structure and dual polarization properties for 4G / 5G wireless communications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020, 30, e22327.	1.2	13
29	Comparative Study of the Different Variants of the DV-Hop Based Node Localization Algorithms for Wireless Sensor Networks. <i>Wireless Personal Communications</i> , 2022, 123, 1625-1667.	2.7	13
30	Novel mutations conferring resistance to kanamycin in <i>Mycobacterium tuberculosis</i> clinical isolates from Northern India. <i>Tuberculosis</i> , 2016, 96, 96-101.	1.9	11
31	Direct somatic embryogenesis of potato [<i>Solanum tuberosum</i> (L.)] cultivar "Kufri Chipsona 2". <i>Plant Cell, Tissue and Organ Culture</i> , 2018, 134, 457-466.	2.3	11
32	3D Printed Out-of-Plane Antennas for Use on High Density Boards. , 2017, , .		10
33	Green exfoliation of graphene nanosheets based on freezing induced volumetric expansion of carbonated water. <i>Materials Research Express</i> , 2018, 5, 085601.	1.6	10
34	Over-expression of Osmotin (OsmWS) gene of <i>Withania somnifera</i> in potato cultivar "Kufri Chipsona 1" imparts resistance to <i>Alternaria solani</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2020, 142, 131-142.	2.3	10
35	Triple band-stop characteristics from an aperture coupled modified Pythagorean tree fractal-based UWB-MIMO antenna integrated with complementary hexagonal spiral defected ground structure. <i>AEU - International Journal of Electronics and Communications</i> , 2021, 137, 153805.	2.9	10
36	Variations in MHC class I antigen presentation and immunopeptidome selection pathways. <i>F1000Research</i> , 2020, 9, 1177.	1.6	10

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37	Semi Spiral G-shaped dual wideband Microstrip Antenna with Aperture feeding for WLAN/WiMAX/U-NII band applications. International Journal of Microwave and Wireless Technologies, 2016, 8, 931-941.	1.9	9
38	Graphene aerogel based room temperature chemiresistive detection of hydrogen peroxide: A key explosive ingredient. Sensors and Actuators A: Physical, 2018, 282, 97-113.	4.1	9
39	RFID Compatible Sensor Tags for Remote Liquid Sample Interrogation. , 2016, , .		8
40	Magnetic moments of $J^P = \frac{3}{2}^+$ + decuplet baryons using the statistical model. European Physical Journal A, 2016, 52, 1.	2.5	8
41	Capillary Condensation Based Wireless Volatile Molecular Sensor. , 2017, , .		8
42	Structural characterization of ribT from Bacillus subtilis reveals it as a GCN5-related N-acetyltransferase. Journal of Structural Biology, 2018, 202, 70-81.	2.8	8
43	A robust genetic transformation protocol to obtain transgenic shoots of Solanum tuberosum L. cultivar 'Kufri Chipsona 1'™. Physiology and Molecular Biology of Plants, 2020, 26, 367-377.	3.1	8
44	Reduced graphene oxide based Schottky diode on flex substrate for microwave circuit applications. , 2013, , .		7
45	Genetically Modified Organisms: An Indian Ethical Dilemma. Journal of Agricultural and Environmental Ethics, 2013, 26, 621-628.	1.7	7
46	Interaction of Erp Protein of Mycobacterium tuberculosis with Rv2212 Enhances Intracellular Survival of Mycobacterium smegmatis. Journal of Bacteriology, 2016, 198, 2841-2852.	2.2	7
47	Tailor made exfoliated reduced graphene oxide nanosheets based on oxidative-exfoliation approach. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 1-11.	2.1	7
48	A Compact Plus Shaped Carpet Fractal Antenna with an I-Shaped DGS for C-band/X-band/UWB/WIBAN applications. Wireless Personal Communications, 2019, 109, 1673-1687.	2.7	7
49	Design and development of a stacked complementary microstrip antenna with a 'C'-shaped DGS for UWB, UNII, WLAN, WiMAX, and Radio Astronomy wireless applications. International Journal of Microwave and Wireless Technologies, 2017, 9, 1547-1556.	1.9	6
50	3D Printed Metalized Plastic Waveguides for Microwave Components. International Symposium on Microelectronics, 2017, 2017, 000078-000082.	0.0	6
51	RNA Interference (RNAi) and Its Role in Crop Improvement: A Review. , 2016, , 379-394.		5
52	A Nonlinear Transmission Line Based Harmonic RF Tag. , 2017, , .		5
53	Selective Determination of Silver Metal Ion Using Polyamine-Based Ratiometric Chemosensor in an Aqueous Medium and Its Real-Time Applicability as a Silver Sink. ChemistrySelect, 2018, 3, 7792-7799.	1.5	5
54	A Calreticulin Tail: C-terminal Mutants of Calreticulin Allow Cancer Cells to Evade Phagocytosis. Molecular Cell, 2020, 77, 683-685.	9.7	5

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55	Computational analysis of a dual-port semi-circular patch antenna combined with Koch curve fractals for ultra-wideband systems. <i>Engineering Reports</i> , 2021, 3, e12378.	1.7	5
56	Genetically modified crops and climate change linkages: An Indian perspective. <i>Agricultural Sciences</i> , 2013, 04, 541-548.	0.3	5
57	Cylindrical air spaced high gain dielectric resonator antenna for ultra-wideband applications. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2020, 45, 1.	1.3	4
58	Squaric acid as a new chemoselective moiety for mass spectrometry-based metabolomics analysis of amines. <i>RSC Chemical Biology</i> , 2021, 2, 1479-1483.	4.1	4
59	Low-loss RF filter through a combination of additive manufacturing and thin-film process. , 2017, , .		3
60	Multi-band Harmonic RF Tags for Barcode Applications in a Cluttered Environment. , 2017, , .		3
61	Directly engaging with People with lived experiences of mental illness from the communities in India. <i>SSM Mental Health</i> , 2021, 1, 100024.	1.8	3
62	Protocol for process evaluation of SMART Mental Health cluster randomised control trial: an intervention for management of common mental disorders in India. <i>BMJ Open</i> , 2022, 12, e058669.	1.9	3
63	Implementation of semiconducting nanowires for the design of THz detectors. , 2013, , .		2
64	Millimeter wave and terahertz dielectric probe microfluidic sensors. , 2014, , .		2
65	Therapeutic Identity among Clinical Psychology Professionals in India. <i>Psychological Studies</i> , 2015, 60, 402-406.	1.0	2
66	Investigation of modulation-capable silicon waveguides for efficient on-wafer terahertz interconnects. , 2015, , .		2
67	Unveiling the tunneling phenomena in graphene-graphene homo-junctions for emerging device applications. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 475303.	1.8	2
68	Felt Needs of Cancer Palliative Care Professionals Working in India: A Qualitative Study. <i>Indian Journal of Palliative Care</i> , 2021, 27, 544-551.	1.0	2
69	Genetically modified crops in India: Experiments with Bt Cotton to explore the road ahead. <i>Open Agriculture</i> , 2020, 5, 386-394.	1.7	2
70	Mindfulness Integrated Cognitive Behavioural Intervention: Effects on Palliative Cancer Care Professionals. <i>BMJ Supportive and Palliative Care</i> , 2023, 13, e1048-e1055.	1.6	2
71	Compact multiband ground slotted patch antenna for X-band applications. , 2015, , .		1
72	Design of thin-film quasi-optical terahertz components using evolutionary algorithms. , 2015, , .		1

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73	Selective Fabrication of SiC/Si Heterojunction Diodes by Local Laser Annealing Process for Microwave Circuit Applications. IEEE Journal of the Electron Devices Society, 2017, 5, 291-298.	2.1	1
74	Heat shock enhanced Agrobacterium tumefaciens mediated T-DNA delivery to potato (Solanum Tj ETQq0 0 0 rgBT/Overlock_10 Tf 50 7	1.7	1
75	Psychological Well-Being amongst Cancer Palliative Care Professionals working in Bengaluru, India. Indian Journal of Palliative Care, 0, .	1.0	1
76	â€œCâ€-shaped dual polarized dielectric resonator antenna for the microwave imaging of breast tumor using beamâ€-forming algorithms. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	1
77	Terahertz micropolarizers using carbon microfibers. , 2013, , .		0
78	Influence of Dy doping on structural, morphological and gas sensing properties of ZnO. AIP Conference Proceedings, 2017, , .	0.4	0
79	Hydrogen adsorption properties based on holey graphene sheets. AIP Conference Proceedings, 2018, , .	0.4	0
80	Sonication assisted graphene exfoliation for preparation of conductive inks. AIP Conference Proceedings, 2019, , .	0.4	0
81	A Study of Contraceptive Practices among Married Women in Rural and Urban Areas of District Amritsar. Indian Journal of Public Health Research and Development, 2016, 7, 303.	0.0	0
82	Assessment of Knowledge Regarding Vaccine Preventable Diseases among Anganwadi Workers in District Amritsar, Punjab. Indian Journal of Public Health Research and Development, 2016, 7, 209.	0.0	0
83	Multi-factor product authentication using integrated Quick Response (QR) code pixelated antenna. International Symposium on Microelectronics, 2017, 2017, 000608-000612.	0.0	0
84	Spontaneous formation of atomically thin p-n homojunction diodes in exfoliated graphenic medium intended for rectifiers. Physica Scripta, 2021, 96, 015807.	2.5	0
85	GMO Labeling Regulatory review of a divided world. , 0, , .		0
86	Stacking classifier to improve the classification of shoulder motion in transhumeral amputees. Biomedizinische Technik, 2022, 67, 105-117.	0.8	0