

# Pejman Rezaei

## List of Publications by Year in descending order

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129  
papers

2,672  
citations

172457

29  
h-index

254184

43  
g-index

131  
all docs

131  
docs citations

131  
times ranked

1241  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-sensing and dual-frequency microwave SRR sensor for liquid samples permittivity detection. Measurement: Journal of the International Measurement Confederation, 2020, 160, 107805.	5.0	93
2	Realization of single-mode plasmonic bandpass filters using improved nanodisk resonators. Optics Communications, 2018, 420, 147-156.	2.1	89
3	Design of a Reconfigurable Miniaturized Microstrip Antenna for Switchable Multiband Systems. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 822-825.	4.0	85
4	DESIGN OF WIDE-BAND DIELECTRIC RESONATOR ANTENNA WITH A TWO-SEGMENT STRUCTURE. Progress in Electromagnetics Research, 2006, 66, 111-124.	4.4	72
5	High-Efficient Wideband Transmitarray Antenna. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 817-820.	4.0	71
6	Dual-Frequency Microwave Resonant Sensor to Detect Noninvasive Glucose-Level Changes Through the Fingertip. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	71
7	Microwave Sensor for Detection of Solid Material Permittivity in Single/Multilayer Samples With High Quality Factor. IEEE Sensors Journal, 2018, 18, 9971-9977.	4.7	68
8	Design of a Single-Mode Plasmonic Bandpass Filter Using a Hexagonal Resonator Coupled to Graded-Stub Waveguides. Plasmonics, 2019, 14, 53-62.	3.4	66
9	Quad-band polarization-insensitive metamaterial perfect absorber based on bilayer graphene metasurface. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 128, 114621.	2.7	63
10	A novel design of Fabry-Perot antenna using metamaterial superstrate for gain and bandwidth enhancement. AEU - International Journal of Electronics and Communications, 2015, 69, 1525-1532.	2.9	61
11	Double and triple-wavelength plasmonic demultiplexers based on improved circular nanodisk resonators. Optical Engineering, 2018, 57, 1.	1.0	59
12	A Wideband and Reconfigurable Filtering Slot Antenna. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1610-1613.	4.0	57
13	Tunable single-mode bandpass filter based on metal-insulator-metal plasmonic coupled U-shaped cavities. IET Optoelectronics, 2019, 13, 161-171.	3.3	51
14	Y-shaped graphene-based antenna with switchable circular polarization. Optik, 2020, 200, 163321.	2.9	46
15	Polarization controlling approach in reconfigurable microstrip graphene-based antenna. Optik, 2020, 203, 163942.	2.9	46
16	Size reduction of MIM surface plasmon based optical bandpass filters by the introduction of arrays of silver nano-rods. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 113, 25-34.	2.7	45
17	Reconfigurable graphene-based V-shaped dipole antenna: From quasi-isotropic to directional radiation pattern. Optik, 2019, 184, 421-427.	2.9	45
18	Miniaturized microstrip dual-band bandpass filter with wide upper stop-band bandwidth. Analog Integrated Circuits and Signal Processing, 2019, 98, 367-376.	1.4	43

#	ARTICLE	IF	CITATIONS
19	A terahertz dual-band metamaterial perfect absorber based on metal-dielectric-metal multi-layer columns. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	42
20	Tunable compact microstrip dual-band bandpass filter with tapered resonators. <i>Microwave and Optical Technology Letters</i> , 2018, 60, 1256-1261.	1.4	41
21	A CPW-fed wearable antenna at ISM band for biomedical and WBAN applications. <i>Wireless Networks</i> , 2021, 27, 735-745.	3.0	41
22	Polarization Controlling of Multi Resonant Graphene-Based Microstrip Antenna. <i>Plasmonics</i> , 2020, 15, 417-426.	3.4	39
23	Reconfigurable Multiband Extended U-Slot Antenna with Switchable Polarization for Wireless Applications. <i>IEEE Antennas and Propagation Magazine</i> , 2015, 57, 194-202.	1.4	36
24	Adjustable compact dual-band microstrip bandpass filter using T-shaped resonators. <i>Microwave and Optical Technology Letters</i> , 2017, 59, 2970-2975.	1.4	36
25	Band-stop filter sensor based on SIW cavity for the non-invasive measuring of blood glucose. <i>IET Wireless Sensor Systems</i> , 2019, 9, 1-5.	1.7	36
26	Design of a compact dual-band notch ultra-wideband bandpass filter based on wave cancellation method. <i>IET Microwaves, Antennas and Propagation</i> , 2015, 9, 1-9.	1.4	35
27	Plasmonic all-optical metal-insulator-metal switches based on silver nano-rods, comprehensive theoretical analysis and design guidelines. <i>Journal of Computational Electronics</i> , 2021, 20, 442-457.	2.5	34
28	Design of a dual-band quadrifilar helix antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2005, 4, 39-42.	4.0	33
29	Efficient SIW-Feed Network Suppressing Mutual Coupling of Slot Antenna Array. <i>IEEE Transactions on Antennas and Propagation</i> , 2021, 69, 6058-6063.	5.1	33
30	New design of compact dual band notch ultra-wideband bandpass filter based on coupled wave canceller inverted T-shaped stubs. <i>IET Microwaves, Antennas and Propagation</i> , 2015, 9, 64-72.	1.4	31
31	Hybrid all-optical infrared metal-insulator-metal plasmonic switch incorporating photonic crystal bandgap structures. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2020, 40, 100802.	2.0	31
32	Modified planar sensor for measuring dielectric constant of liquid materials. <i>Electronics Letters</i> , 2017, 53, 1300-1302.	1.0	30
33	Reconfigurable microstrip slot antenna with DGS for UWB applications. <i>International Journal of Microwave and Wireless Technologies</i> , 2017, 9, 1517-1522.	1.9	29
34	Compact Ultra-Wide Upper Stopband Microstrip Dual-Band BPF Using Tapered and Octagonal Loop Resonators. <i>Frequenz</i> , 2020, 74, 61-71.	0.9	29
35	Polarization controlling plan in graphene-based reconfigurable microstrip patch antenna. <i>Optik</i> , 2021, 244, 167595.	2.9	29
36	Realization of a plasmonic optical switch using improved nano-disk resonators with Kerr-type nonlinearity: A theoretical and numerical study on challenges and solutions. <i>Optics Communications</i> , 2020, 477, 126359.	2.1	28

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37	Compact and low-power all-optical surface plasmon switches with isolated pump and data waveguides and a rectangular cavity containing nano-silver strips. Superlattices and Microstructures, 2020, 141, 106481.	3.1	28
38	Broadband polarization insensitive and tunable terahertz metamaterial perfect absorber based on the graphene disk and square ribbon. Superlattices and Microstructures, 2022, 163, 107153.	3.1	28
39	A Planar UWB Bat-Shaped Monopole Antenna with Dual Band-Notched for WiMAX/WLAN/DSRC. Wireless Personal Communications, 2015, 81, 881-891.	2.7	27
40	Very compact palmate leaf-shaped CPW-fed monopole antenna for UWB applications. Microwave and Optical Technology Letters, 2014, 56, 1612-1616.	1.4	26
41	All-Optical Plasmonic Switches Based on Asymmetric Directional Couplers Incorporating Bragg Gratings. Plasmonics, 2020, 15, 869-879.	3.4	26
42	A novel design of reconfigurable monopole antenna with switchable triple band-rejection for UWB applications. International Journal of Microwave and Wireless Technologies, 2016, 8, 1223-1229.	1.9	25
43	Ultra-wideband microwave absorber based on uncharged graphene layers. Journal of Electromagnetic Waves and Applications, 2018, 32, 1950-1960.	1.6	25
44	Millimetre-wave beam-steering array antenna by emphasising on improvement of Butler matrix features. IET Microwaves, Antennas and Propagation, 2019, 13, 1287-1292.	1.4	25
45	Multiband polarization insensitive and tunable terahertz metamaterial perfect absorber based on the heterogeneous structure of graphene. Optical and Quantum Electronics, 2022, 54, .	3.3	25
46	Polarization controlling method in reconfigurable graphene-based patch four-leaf clover-shaped antenna. Optik, 2021, 231, 166454.	2.9	24
47	Substrate integrated waveguide quasi-elliptic bandpass filter with parallel coupled microstrip resonator. Electronics Letters, 2018, 54, 667-668.	1.0	23
48	Polarization controlling idea in graphene-based patch antenna. Optik, 2021, 239, 166795.	2.9	23
49	Compact Via-Coupling Fed Monopulse Antenna With Orthogonal Tracking Capability in Radiation Pattern. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1443-1446.	4.0	21
50	A Compact Elliptical Slot Antenna for Covering Bluetooth/WiMAX/WLAN/ITU. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 857-860.	4.0	20
51	Microwave Split Ring Resonator Sensor for Determination of the Fluids Permittivity With Measurement of Human Milk Samples. Radio Science, 2022, 57, .	1.6	20
52	Efficient Transition Hybrid Two-Layer Feed Network: Polarization Diversity in a Satellite Transceiver Array Antenna. IEEE Antennas and Propagation Magazine, 2021, 63, 51-60.	1.4	19
53	A symmetrical SIW-based leaky-wave antenna with continuous beam scanning from backward-to-forward through broadside. Wireless Networks, 2021, 27, 5417-5424.	3.0	19
54	A NEW DESIGN OF DUAL-PORT ACTIVE INTEGRATED ANTENNA FOR 2.4/5.2 GHZ WLAN APPLICATIONS. Progress in Electromagnetics Research B, 2014, 58, 83-94.	1.0	18

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55	Single layer CPSSA array with change polarization diversity in broadband application. International Journal of RF and Microwave Computer-Aided Engineering, 2017, 27, e21075.	1.2	16
56	Compact Chip-Resistor Loaded Active Integrated Patch Antenna for ISM Band Applications. Wireless Personal Communications, 2017, 97, 5733-5746.	2.7	16
57	Graphene-Based Fabry-Perot Resonator for Chemical Sensing Applications at Mid-Infrared Frequencies. IEEE Photonics Technology Letters, 2018, 30, 1917-1920.	2.5	16
58	A miniaturized wideband wearable antenna with circular polarization for medical application. AEU - International Journal of Electronics and Communications, 2022, 150, 154197.	2.9	16
59	Absorption-based ultra-sensitive RI sensor based on the flower-shaped graphene resonator for early detection of cancer. Optics Communications, 2022, 524, 128775.	2.1	15
60	Dielectric resonator antenna for wireless LAN applications. , 2006, , .		14
61	Design of reconfigurable active integrated microstrip antenna with switchable low-noise amplifier/power amplifier performances for wireless local area network and WiMAX applications. IET Microwaves, Antennas and Propagation, 2015, 9, 872-881.	1.4	14
62	Compact bilayer substrate integrated waveguide leaky wave antenna with dumbbell-shaped slot based on the TE <sub>20</sub> mode. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21791.	1.2	14
63	SIW Corporate-Feed Network for Circular Polarization Slot Array Antenna. Wireless Personal Communications, 2020, 111, 2129-2136.	2.7	14
64	Monopulse antenna array based on three-modes with orthogonal radiation beams. AEU - International Journal of Electronics and Communications, 2021, 142, 154015.	2.9	14
65	A two-layer beam-steering array antenna with 4 modified Butler matrix fed network for switched beam application. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22028.	1.2	13
66	Realization of polarization adjusting in reconfigurable graphene-based microstrip antenna by adding leaf-shaped patch. , 2022, 168, 207322.		13
67	Polarization and Radiation Pattern Reconfigurability of a Planar Monopole-Fed Loop Antenna for GPS Application. Radioengineering, 2016, 25, 680-686.	0.6	12
68	A planar UWB antenna based on MB-OFDM applications with switchable dual band-notched for cognitive radio systems. International Journal of Microwave and Wireless Technologies, 2016, 8, 95-102.	1.9	12
69	Compact Planar UWB Antenna with Enhanced Bandwidth and Switchable Band-Notch Function for WLAN and DSRC. IETE Journal of Research, 2017, 63, 805-812.	2.6	12
70	Broadband and efficient patch array antenna fed by substrate integrated waveguide feed network for Ku-band satellite applications. International Journal of RF and Microwave Computer-Aided Engineering, 2021, 31, e22772.	1.2	12
71	Beam-steering antenna array based on a butler matrix feed network with CP capability for satellite application. Journal of Instrumentation, 2019, 14, P07005-P07005.	1.2	11
72	Microstrip antenna with a reconfigurable Dumbbell-shaped defected ground plane for DCS-1800 and PCS-1900. , 2013, , .		10

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73	Transparent dual band WiFi filter for double glazed energy saving window as a smart network. Microwave and Optical Technology Letters, 2019, 61, 2545-2550.	1.4	10
74	A compact high-performance patch array with suppressed cross polarization using image feed configuration. AEU - International Journal of Electronics and Communications, 2020, 127, 153479.	2.9	10
75	A Multi-Reconfigurable CLL-Loaded Planar Monopole Antenna. Radioengineering, 2020, 29, 313-320.	0.6	10
76	An X-Band Substrate Integrated Waveguide Fed Patch Array Antenna: Overcoming low efficiency, narrow impedance bandwidth, and cross-polarization radiation challenges. IEEE Antennas and Propagation Magazine, 2021, 63, 25-32.	1.4	10
77	Fano Resonance Using Surface Plasmon Polaritons in a Nano-disk Resonator Coupled to Perpendicular Waveguides for Amplitude Modulation Applications. Plasmonics, 2021, 16, 1891-1908.	3.4	10
78	An Overview of Interdigitated Microwave Resonance Sensors for Liquid Samples Permittivity Detection. Smart Sensors, Measurement and Instrumentation, 2021, , 153-197.	0.6	10
79	Design of quadrifilar helical antenna for use on small satellites. , 2004, , .		9
80	A Planar UWB Antenna with Switchable Single/Double Band-Rejection Characteristics. Radioengineering, 2016, 25, 429-435.	0.6	9
81	A design of UWB reconfigurable pulse transmitter with pulse shape modulation. Microwave and Optical Technology Letters, 2016, 58, 2221-2227.	1.4	9
82	A compact and wideband array antenna with efficient hybrid feed network. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22393.	1.2	9
83	Effect of Magnetic Layer on the Microstrip-excited Rectangular Dielectric Resonator Antennas Bandwidth. Journal of Electromagnetic Waves and Applications, 2007, 21, 915-927.	1.6	8
84	A Switchable Band-Notched UWB Antenna for Cognitive Radio Applications. IETE Journal of Research, 2015, 61, 423-428.	2.6	8
85	Unit cell with flexible transmission phase slope for ultra-wideband transmitarray antennas. IET Microwaves, Antennas and Propagation, 2019, 13, 1522-1528.	1.4	8
86	Broadband Conformal Monopole Antenna Loaded with Meandered Arms for Wireless Capsule Endoscopy. Wireless Personal Communications, 2020, 110, 1679-1691.	2.7	8
87	Design of Compact Frequency Reconfigurable Antenna with Defected Ground structure for UWB applications. , 2014, , .		7
88	Low phase-noise X-band oscillator based on elliptic filter and branchline coupler. IET Microwaves, Antennas and Propagation, 2019, 13, 888-891.	1.4	7
89	Conformal antenna array radiation pattern synthesis by tilt correction to improve Direction-of-Arrival estimation accuracy. Electromagnetics, 2020, 40, 262-275.	0.7	7
90	Renovation of dual-band to quad-band polarization-insensitive and wide incident angle perfect absorber based on the extra graphene layer. , 2022, 168, 207261.		7

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91	An ultra-wideband band-pass filter with band-notch performance based on meander embedded open-circuited stub structure. , 2014, , .		6
92	Circular slot CPW-fed monopole antenna for UWB applications. Microwave and Optical Technology Letters, 2014, 56, 1773-1776.	1.4	6
93	Design of reconfigurable active integrated pulse generator antenna with pulse shape modulation for ultra-wideband applications. IET Microwaves, Antennas and Propagation, 2016, 10, 1268-1275.	1.4	6
94	Small Square Reconfigurable Antenna with Switchable Single/Tri-Band Functions. Radioengineering, 2016, 25, 40-45.	0.6	5
95	Near optimal conformal antenna array structure for direction of arrival estimation. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21978.	1.2	5
96	Low-loss X-band waveguide bandpass filter based on rectangular resonators. Microwave and Optical Technology Letters, 2022, 64, 701-706.	1.4	5
97	Optimum designing of amateur satellite for maximum availability. , 2006, , .		4
98	A novel variable-length header extraction scheme based on ring laser for all-optical packet switching network. Optical and Quantum Electronics, 2021, 53, 1.	3.3	4
99	Integration of the modified Butler matrix and decoupling network for beam steering antenna array. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, e23015.	1.2	4
100	Design and analysis of a dualband antenna for small LEO satellite applications. , 0, , .		3
101	Multi-Band Rectangular Dielectric Resonator Antenna with Crank-Shape Feed-Line. , 2006, , .		3
102	A compact dual-band aperture-coupled microstrip antenna for Ku band applications. , 2012, , .		3
103	COMPACT UWB ANTENNAS WITH INVERTED E- AND F-SHAPED SLOTS FOR BANDNOTCH CHARACTERISTICS. Progress in Electromagnetics Research Letters, 2015, 56, 107-113.	0.7	3
104	Design of wideband microstrip antenna with spiral slot on ground plane. , 2015, , .		3
105	Compact multi-band reconfigurable antenna for Cognitive Radio. , 2015, , .		3
106	Planar Double-Band Monopole Antenna with Photonic Crystal Structure. Indian Journal of Science and Technology, 2016, 8, .	0.7	3
107	A Capacitive Fed Microstrip Patch Antenna with Air Gap for Wideband Applications (RESEARCH NOTE). International Journal of Engineering, Transactions B: Applications, 2014, 27, .	0.7	3
108	A modified rectangular resonant cavity utilizing frequency selective coupled endplate for dielectric constant measurement by perturbation technique. International Journal of RF and Microwave Computer-Aided Engineering, 2022, 32, .	1.2	3

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109	A miniaturized and biocompatible dual-band implantable antenna for fully-passive wireless signal monitoring. <i>AEU - International Journal of Electronics and Communications</i> , 2022, 154, 154303.	2.9	3
110	Evaluation of Interaction Effect between LEO Ground Station Antennas. , 2005, , .		2
111	A REFLECTARRAY BASED ON THE FOLDED SIR PATCH-SLOT CONFIGURATION BACKED ON FSS FOR LOW RCS. <i>Progress in Electromagnetics Research Letters</i> , 2014, 47, 119-124.	0.7	2
112	A novel reflectarray based on the folded SIR patch-slot configuration. , 2014, , .		2
113	A compact reconfigurable sub-nanosecond pulse generator with pulse-shape modulation. <i>International Journal of Microwave and Wireless Technologies</i> , 2017, 9, 741-745.	1.9	2
114	Mutual coupling reduction using plane spiral orbital angular momentum electromagnetic wave. <i>Journal of Electromagnetic Waves and Applications</i> , 2022, 36, 346-355.	1.6	2
115	Photonic Crystal 180° Ring-Shaped Hybrid: From Microwave to Optics. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 1165-1168.	2.5	2
116	Compact tunable tri-band bandpass filter using varactor diodes for wireless fidelity, wireless local area network <scp>, </scp> and worldwide interoperability for microwaves access applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2022, 32, e22935.	1.2	2
117	A comparative study on low phase noise feedback oscillators based on planar elliptic resonators. <i>Analog Integrated Circuits and Signal Processing</i> , 0, , .	1.4	2
118	Design and implementation of a dual-band quadrifilar helix antenna. , 0, , .		1
119	Adaptive bit rate scheme for a LEO satellite link. , 2010, , .		1
120	Radiation properties enhancement of a microstrip antenna using a new UC-EBG structure. , 2016, , .		1
121	Monte Carlo simulation for stochastic calculus of far-field radiation from open-ended waveguide arrays. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2016, 29, 1015-1023.	1.9	1
122	Dual Beam Leaky Wave Antenna Using Dumbbell-Shaped Slots based on Substrate Integrated Waveguide. , 2018, , .		1
123	Wideband transmitarray antenna using Electric ring resonator shaped slot element. <i>Journal of Electromagnetic Waves and Applications</i> , 2021, 35, 2092-2101.	1.6	1
124	Estimation of the Strength of the Time-dependent Heat Source Using Temperature Distribution at a Point in a Three Layer System. <i>International Journal of Engineering, Transactions B: Applications</i> , 2012, 25, .	0.7	1
125	Graphene-based flat microstrip patch antenna with circular polarization controllability. <i>Optik</i> , 2022, 261, 169159.	2.9	1
126	Optimum beam forming of LEO satellite antenna with genetic algorithm. , 2004, , .		0



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127	A novel frequency-selective metamaterial to improve helix antenna. Journal of Zhejiang University: Science C, 2012, 13, 365-375.	0.7	0
128	Applying the data fusion method to evaluation of the performance of two control signals in monitoring polarization mode dispersion effects in fiber optic links. Journal of the European Optical Society-Rapid Publications, 0, 10, .	1.9	0
129	A Miniaturized Half-Coplanar Waveguide CRLH Leaky Wave Antenna for Millimeter-Wave Applications. , 2022, , .		0