

# Pejman Rezaei

## List of Publications by Year in descending order

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129  
papers

2,672  
citations

172457

29  
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254184

43  
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131  
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131  
docs citations

131  
times ranked

1241  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Compact tunable tri-band bandpass filter using varactor diodes for wireless fidelity, wireless local area network <sc>, </sc> and worldwide interoperability for microwaves access applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2022, 32, e22935.	1.2	2
3	Integration of the modified Butler matrix and decoupling network for beam-steering antenna array. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2022, 32, e23015.	1.2	4
4	Broadband polarization insensitive and tunable terahertz metamaterial perfect absorber based on the graphene disk and square ribbon. <i>Superlattices and Microstructures</i> , 2022, 163, 107153.	3.1	28
5	Low-loss <sc>X-band</sc> waveguide bandpass filter based on rectangular resonators. <i>Microwave and Optical Technology Letters</i> , 2022, 64, 701-706.	1.4	5
6	A modified rectangular resonant cavity utilizing frequency selective coupled end-plate for dielectric constant measurement by perturbation technique. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2022, 32, .	1.2	3
7	A miniaturized wideband wearable antenna with circular polarization for medical application. <i>AEU - International Journal of Electronics and Communications</i> , 2022, 150, 154197.	2.9	16
8	Graphene-based flat microstrip patch antenna with circular polarization controllability. <i>Optik</i> , 2022, 261, 169159.	2.9	1
9	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
10	A Miniaturized Half-Coplanar Waveguide CRLH Leaky Wave Antenna for Millimeter-Wave Applications. , 2022, , .		0
11	Multiband polarization insensitive and tunable terahertz metamaterial perfect absorber based on the heterogeneous structure of graphene. <i>Optical and Quantum Electronics</i> , 2022, 54, .	3.3	25
12	Realization of polarization adjusting in reconfigurable graphene-based microstrip antenna by adding leaf-shaped patch. , 2022, 168, 207322.		13
13	Absorption-based ultra-sensitive RI sensor based on the flower-shaped graphene resonator for early detection of cancer. <i>Optics Communications</i> , 2022, 524, 128775.	2.1	15
14	Microwave Split Ring Resonator Sensor for Determination of the Fluids Permittivity With Measurement of Human Milk Samples. <i>Radio Science</i> , 2022, 57, .	1.6	20
15	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
16	A CPW-fed wearable antenna at ISM band for biomedical and WBAN applications. <i>Wireless Networks</i> , 2021, 27, 735-745.	3.0	41
17	Efficient Transition Hybrid Two-Layer Feed Network: Polarization Diversity in a Satellite Transceiver Array Antenna. <i>IEEE Antennas and Propagation Magazine</i> , 2021, 63, 51-60.	1.4	19
18	An X-Band Substrate Integrated Waveguide Fed Patch Array Antenna: Overcoming low efficiency, narrow impedance bandwidth, and cross-polarization radiation challenges. <i>IEEE Antennas and Propagation Magazine</i> , 2021, 63, 25-32.	1.4	10

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19	Dual-Frequency Microwave Resonant Sensor to Detect Noninvasive Glucose-Level Changes Through the Fingertip. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-8.	4.7	71
20	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
21	Quad-band polarization-insensitive metamaterial perfect absorber based on bilayer graphene metasurface. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 128, 114621.	2.7	63
22	Polarization controlling method in reconfigurable graphene-based patch four-leaf clover-shaped antenna. <i>Optik</i> , 2021, 231, 166454.	2.9	24
23	Fano Resonance Using Surface Plasmon Polaritons in a Nano-disk Resonator Coupled to Perpendicular Waveguides for Amplitude Modulation Applications. <i>Plasmonics</i> , 2021, 16, 1891-1908.	3.4	10
24	A novel variable-length header extraction scheme based on ring laser for all-optical packet switching network. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	3.3	4
25	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
26	Broadband and efficient patch array antenna fed by substrate integrated waveguide feed network for Ku-band satellite applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2021, 31, e22772.	1.2	12
27	Polarization controlling idea in graphene-based patch antenna. <i>Optik</i> , 2021, 239, 166795.	2.9	23
28	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
29	A symmetrical SIW-based leaky-wave antenna with continuous beam scanning from backward-to-forward through broadside. <i>Wireless Networks</i> , 2021, 27, 5417-5424.	3.0	19
30	Polarization controlling plan in graphene-based reconfigurable microstrip patch antenna. <i>Optik</i> , 2021, 244, 167595.	2.9	29
31	Photonic Crystal 180° Ring-Shaped Hybrid: From Microwave to Optics. <i>IEEE Photonics Technology Letters</i> , 2021, 33, 1165-1168.	2.5	2
32	An Overview of Interdigitated Microwave Resonance Sensors for Liquid Samples Permittivity Detection. <i>Smart Sensors, Measurement and Instrumentation</i> , 2021, , 153-197.	0.6	10
33	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
34	Monopulse antenna array based on three-modes with orthogonal radiation beams. <i>AEU - International Journal of Electronics and Communications</i> , 2021, 142, 154015.	2.9	14
35	Y-shaped graphene-based antenna with switchable circular polarization. <i>Optik</i> , 2020, 200, 163321.	2.9	46
36	Broadband Conformal Monopole Antenna Loaded with Meandered Arms for Wireless Capsule Endoscopy. <i>Wireless Personal Communications</i> , 2020, 110, 1679-1691.	2.7	8

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37	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
38	A two-layer beam-steering array antenna with 4 modified Butler matrix fed network for switched beam application. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020, 30, e22028.	1.2	13
39	Polarization Controlling of Multi Resonant Graphene-Based Microstrip Antenna. <i>Plasmonics</i> , 2020, 15, 417-426.	3.4	39
40	All-Optical Plasmonic Switches Based on Asymmetric Directional Couplers Incorporating Bragg Gratings. <i>Plasmonics</i> , 2020, 15, 869-879.	3.4	26
41	Polarization controlling approach in reconfigurable microstrip graphene-based antenna. <i>Optik</i> , 2020, 203, 163942.	2.9	46
42	SIW Corporate-Feed Network for Circular Polarization Slot Array Antenna. <i>Wireless Personal Communications</i> , 2020, 111, 2129-2136.	2.7	14
43	A compact high-performance patch array with suppressed cross polarization using image feed configuration. <i>AEU - International Journal of Electronics and Communications</i> , 2020, 127, 153479.	2.9	10
44	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
45	A compact and wideband array antenna with efficient hybrid feed network. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020, 30, e22393.	1.2	9
46	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
47	A Multi-Reconfigurable CLL-Loaded Planar Monopole Antenna. <i>Radioengineering</i> , 2020, 29, 313-320.	0.6	10
48	Compact and low-power all-optical surface plasmon switches with isolated pump and data waveguides and a rectangular cavity containing nano-silver strips. <i>Superlattices and Microstructures</i> , 2020, 141, 106481.	3.1	28
49	Compact Via-Coupling Fed Monopulse Antenna With Orthogonal Tracking Capability in Radiation Pattern. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020, 19, 1443-1446.	4.0	21
50	Dual-sensing and dual-frequency microwave SRR sensor for liquid samples permittivity detection. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 160, 107805.	5.0	93
51	Conformal antenna array radiation pattern synthesis by tilt correction to improve Direction-of-Arrival estimation accuracy. <i>Electromagnetics</i> , 2020, 40, 262-275.	0.7	7
52	Design of a Single-Mode Plasmonic Bandpass Filter Using a Hexagonal Resonator Coupled to Graded-Stub Waveguides. <i>Plasmonics</i> , 2019, 14, 53-62.	3.4	66
53	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
54	Miniaturized microstrip dual-band bandpass filter with wide upper stop-band bandwidth. <i>Analog Integrated Circuits and Signal Processing</i> , 2019, 98, 367-376.	1.4	43

#	ARTICLE	IF	CITATIONS
55	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
56	Tunable single-mode bandpass filter based on metal-insulator-metal plasmonic coupled U-shaped cavities. IET Optoelectronics, 2019, 13, 161-171.	3.3	51
57	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
58	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
59	Unit cell with flexible transmission phase slope for ultra-wideband transmitarray antennas. IET Microwaves, Antennas and Propagation, 2019, 13, 1522-1528.	1.4	8
60	Transparent dual band Wi-Fi filter for double glazed energy saving window as a smart network. Microwave and Optical Technology Letters, 2019, 61, 2545-2550.	1.4	10
61	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
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	Reconfigurable graphene-based V-shaped dipole antenna: From quasi-isotropic to directional radiation pattern. Optik, 2019, 184, 421-427.	2.9	45
64	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
65	Tunable compact microstrip dual-band bandpass filter with tapered resonators. Microwave and Optical Technology Letters, 2018, 60, 1256-1261.	1.4	41
66	Realization of single-mode plasmonic bandpass filters using improved nanodisk resonators. Optics Communications, 2018, 420, 147-156.	2.1	89
67	High-Efficient Wideband Transmitarray Antenna. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 817-820.	4.0	71
68	Dual Beam Leaky Wave Antenna Using Dumbbell-Shaped Slots based on Substrate Integrated Waveguide. , 2018, , .		1
69	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
70	Graphene-Based Fabry-Perot Resonator for Chemical Sensing Applications at Mid-Infrared Frequencies. IEEE Photonics Technology Letters, 2018, 30, 1917-1920.	2.5	16
71	Substrate integrated waveguide quasi-elliptic bandpass filter with parallel coupled microstrip resonator. Electronics Letters, 2018, 54, 667-668.	1.0	23
72	Ultra-wideband microwave absorber based on uncharged graphene layers. Journal of Electromagnetic Waves and Applications, 2018, 32, 1950-1960.	1.6	25

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73	Double and triple-wavelength plasmonic demultiplexers based on improved circular nanodisk resonators. <i>Optical Engineering</i> , 2018, 57, 1.	1.0	59
74	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
75	Compact Planar UWB Antenna with Enhanced Bandwidth and Switchable Band-Notch Function for WLAN and DSRC. <i>IETE Journal of Research</i> , 2017, 63, 805-812.	2.6	12
76	Single layer CPSSA array with change polarization diversity in broadband application. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2017, 27, e21075.	1.2	16
77	Modified planar sensor for measuring dielectric constant of liquid materials. <i>Electronics Letters</i> , 2017, 53, 1300-1302.	1.0	30
78	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
79	Compact Chip-Resistor Loaded Active Integrated Patch Antenna for ISM Band Applications. <i>Wireless Personal Communications</i> , 2017, 97, 5733-5746.	2.7	16
80	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
81	Small Square Reconfigurable Antenna with Switchable Single/Tri-Band Functions. <i>Radioengineering</i> , 2016, 25, 40-45.	0.6	5
82	A Planar UWB Antenna with Switchable Single/Double Band-Rejection Characteristics. <i>Radioengineering</i> , 2016, 25, 429-435.	0.6	9
83	Polarization and Radiation Pattern Reconfigurability of a Planar Monopole-Fed Loop Antenna for GPS Application. <i>Radioengineering</i> , 2016, 25, 680-686.	0.6	12
84	Planar Double-Band Monopole Antenna with Photonic Crystal Structure. <i>Indian Journal of Science and Technology</i> , 2016, 8, .	0.7	3
85	Radiation properties enhancement of a microstrip antenna using a new UC-EBG structure. , 2016, , .		1
86	Design of reconfigurable active integrated pulse generator antenna with pulse-shape modulation for ultra-wideband applications. <i>IET Microwaves, Antennas and Propagation</i> , 2016, 10, 1268-1275.	1.4	6
87	A design of UWB reconfigurable pulse transmitter with pulse shape modulation. <i>Microwave and Optical Technology Letters</i> , 2016, 58, 2221-2227.	1.4	9
88	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
89	A planar UWB antenna based on MB-OFDM applications with switchable dual band-notched for cognitive radio systems. <i>International Journal of Microwave and Wireless Technologies</i> , 2016, 8, 95-102.	1.9	12
90	A Wideband and Reconfigurable Filtering Slot Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2016, 15, 1610-1613.	4.0	57

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91	Design of a Reconfigurable Miniaturized Microstrip Antenna for Switchable Multiband Systems. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 822-825.	4.0	85
92	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
93	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
94	New design of compact dual band notch ultra wideband bandpass filter based on coupled wave canceller inverted T shaped stubs. IET Microwaves, Antennas and Propagation, 2015, 9, 64-72.	1.4	31
95	Design of a compact dual band notch ultra wideband bandpass filter based on wave cancellation method. IET Microwaves, Antennas and Propagation, 2015, 9, 1-9.	1.4	35
96	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
97	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
98	A Switchable Band-Notched UWB Antenna for Cognitive Radio Applications. IETE Journal of Research, 2015, 61, 423-428.	2.6	8
99	Reconfigurable Multiband Extended U-Slot Antenna with Switchable Polarization for Wireless Applications. IEEE Antennas and Propagation Magazine, 2015, 57, 194-202.	1.4	36
100	Design of wideband microstrip antenna with spiral slot on ground plane. , 2015, , .		3
101	Compact multi-band reconfigurable antenna for Cognitive Radio. , 2015, , .		3
102	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
103	A REFLECTARRAY BASED ON THE FOLDED SIR PATCH-SLOT CONFIGURATION BACKED ON FSS FOR LOW RCS. Progress in Electromagnetics Research Letters, 2014, 47, 119-124.	0.7	2
104	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
105	An ultra-wideband band-pass filter with band-notch performance based on meander embedded open-circuited stub structure. , 2014, , .		6
106	Very compact palmate leaf shaped CPW FED monopole antenna for UWB applications. Microwave and Optical Technology Letters, 2014, 56, 1612-1616.	1.4	26
107	A novel reflectarray based on the folded SIR patch-slot configuration. , 2014, , .		2
108	Design of Compact Frequency Reconfigurable Antenna with Defected Ground structure for UWB applications. , 2014, , .		7

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109	Circular slot CPW-fed monopole antenna for UWB applications. Microwave and Optical Technology Letters, 2014, 56, 1773-1776.	1.4	6
110	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
111	Microstrip antenna with a reconfigurable Dumbbell-shaped defected ground plane for DCS-1800 and PCS-1900. , 2013, , .		10
112	A Compact Elliptical Slot Antenna for Covering Bluetooth/WiMAX/WLAN/ITU. IEEE Antennas and Wireless Propagation Letters, 2012, 11, 857-860.	4.0	20
113	A compact dual-band aperture-coupled microstrip antenna for Ku band applications. , 2012, , .		3
114	A novel frequency-selective metamaterial to improve helix antenna. Journal of Zhejiang University: Science C, 2012, 13, 365-375.	0.7	0
115	Estimation of the Strength of the Time-dependent Heat Source Using Temperature Distribution at a Point in a Three Layer System. International Journal of Engineering, Transactions B: Applications, 2012, 25, .	0.7	1
116	Adaptive bit rate scheme for a LEO satellite link. , 2010, , .		1
117	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
118	Dielectric resonator antenna for wireless LAN applications. , 2006, , .		14
119	Multi-Band Rectangular Dielectric Resonator Antenna with Crank-Shape Feed-Line. , 2006, , .		3
120	DESIGN OF WIDE-BAND DIELECTRIC RESONATOR ANTENNA WITH A TWO-SEGMENT STRUCTURE. Progress in Electromagnetics Research, 2006, 66, 111-124.	4.4	72
121	Optimum designing of amateur satellite for maximum availability. , 2006, , .		4
122	Evaluation of Interaction Effect between LEO Ground Station Antennas. , 2005, , .		2
123	Design of a dual-band quadrifilar helix antenna. IEEE Antennas and Wireless Propagation Letters, 2005, 4, 39-42.	4.0	33
124	Design of quadrifilar helical antenna for use on small satellites. , 2004, , .		9
125	Optimum beam forming of LEO satellite antenna with genetic algorithm. , 2004, , .		0
126	Design and implementation of a dual-band quadrifilar helix antenna. , 0, , .		1



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127	Design and analysis of a dualband antenna for small LEO satellite applications. , 0, , .		3
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 comparative study on low phase noise feedback oscillators based on planar elliptic resonators. Analog Integrated Circuits and Signal Processing, 0, , .	1.4	2