

# Seyed Sajad Mirjavadi

## List of Publications by Year in descending order

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56  
papers

1,629  
citations

304368

22  
h-index

329751

37  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1272  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear vibration and buckling of functionally graded porous nanoscaled beams. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	220
2	4-Port MIMO Antenna with Defected Ground Structure for 5G Millimeter Wave Applications. Electronics (Switzerland), 2020, 9, 71.	1.8	195
3	Compact UWB Band-Notched Antenna with Integrated Bluetooth for Personal Wireless Communication and UWB Applications. Electronics (Switzerland), 2019, 8, 158.	1.8	69
4	EEG-Based Multi-Modal Emotion Recognition using Bag of Deep Features: An Optimal Feature Selection Approach. Sensors, 2019, 19, 5218.	2.1	68
5	Integrated LTE and Millimeter-Wave 5G MIMO Antenna System for 4G/5G Wireless Terminals. Sensors, 2020, 20, 3926.	2.1	65
6	Vibration of rotating functionally graded Timoshenko nano-beams with nonlinear thermal distribution. Mechanics of Advanced Materials and Structures, 2018, 25, 467-480.	1.5	55
7	Effect of temperature and porosity on the vibration behavior of two-dimensional functionally graded micro-scale Timoshenko beam. JVC/Journal of Vibration and Control, 2018, 24, 4211-4225.	1.5	47
8	On size-dependent free vibration and thermal buckling of axially functionally graded nanobeams in thermal environment. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	46
9	Thermo-mechanical vibration of rotating axially functionally graded nonlocal Timoshenko beam. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	45
10	Isolation Enhancement of Wide-Band MIMO Array Antennas Utilizing Resistive Loading. IEEE Access, 2019, 7, 81020-81026.	2.6	45
11	A Compact Multiple Notched Ultra-Wide Band Antenna with an Analysis of the CSRR-TO-CSRR Coupling for Portable UWB Applications. Sensors, 2017, 17, 2174.	2.1	43
12	Penta-notched UWB antenna with sharp frequency edge selectivity using combination of SRR, CSRR, and DGS. AEU - International Journal of Electronics and Communications, 2018, 93, 116-122.	1.7	43
13	The Smallest Form Factor UWB Antenna with Quintuple Rejection Bands for IoT Applications Utilizing RSRR and RCSRR. Sensors, 2018, 18, 911.	2.1	39
14	Thermal buckling behavior of two-dimensional imperfect functionally graded microscale-tapered porous beam. Journal of Thermal Stresses, 2017, 40, 1201-1214.	1.1	37
15	Malicious UAV Detection Using Integrated Audio and Visual Features for Public Safety Applications. Sensors, 2020, 20, 3923.	2.1	37
16	Bandwidth Enhancement and Frequency Scanning Array Antenna Using Novel UWB Filter Integration Technique for OFDM UWB Radar Applications in Wireless Vital Signs Monitoring. Sensors, 2018, 18, 3155.	2.1	35
17	A Low-Cost CPW-Fed Multiband Frequency Reconfigurable Antenna for Wireless Applications. Electronics (Switzerland), 2019, 8, 900.	1.8	35
18	Resonator Based Switching Technique between Ultra Wide Band (UWB) and Single/Dual Continuously Tunable-Notch Behaviors in UWB Radar for Wireless Vital Signs Monitoring. Sensors, 2018, 18, 3330.	2.1	30

#	ARTICLE	IF	CITATIONS
19	Nonlinear free and forced vibrations of graphene nanoplatelet reinforced microbeams with geometrical imperfection. <i>Microsystem Technologies</i> , 2019, 25, 3137-3150.	1.2	30
20	CONTINUOUSLY TUNABLE WIMAX BAND-NOTCHED UWB ANTENNA WITH FIXED WLAN NOTCHED BAND. <i>Progress in Electromagnetics Research Letters</i> , 2018, 75, 97-103.	0.4	28
21	A Comprehensive Survey of Digital Twins and Federated Learning for Industrial Internet of Things (IIoT), Internet of Vehicles (IoV) and Internet of Drones (IoD). <i>Applied System Innovation</i> , 2022, 5, 56.	2.7	24
22	Heterogeneities in Polymer Structural and Dynamic Properties in Graphene and Graphene Oxide Nanocomposites: Molecular Dynamics Simulations. <i>Macromolecular Theory and Simulations</i> , 2017, 26, 1600086.	0.6	22
23	Bag of Features (BoF) Based Deep Learning Framework for Bleached Corals Detection. <i>Big Data and Cognitive Computing</i> , 2021, 5, 53.	2.9	19
24	Collaborative Wireless Power Transfer in Wireless Rechargeable Sensor Networks. <i>Wireless Communications and Mobile Computing</i> , 2020, 2020, 1-13.	0.8	18
25	Nonlinear forced vibrations of sandwich smart nanobeams with two-phase piezo-magnetic face sheets. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	17
26	Dynamic response of metal foam FG porous cylindrical micro-shells due to moving loads with strain gradient size-dependency. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	17
27	Geometrically nonlinear vibration analysis of eccentrically stiffened porous functionally graded annular spherical shell segments. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 2206-2220.	3.4	17
28	Investigation of Mesh Sensitivity Influence to Determine Crack Characteristic by Finite Element Methods. <i>Journal of Failure Analysis and Prevention</i> , 2016, 16, 506-512.	0.5	16
29	Compact triband slotted printed monopole antenna for WLAN and WiMAX applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2020, 30, e21986.	0.8	16
30	Post-buckling analysis of piezo-magnetic nanobeams with geometrical imperfection and different piezoelectric contents. <i>Microsystem Technologies</i> , 2019, 25, 3477-3488.	1.2	15
31	Transient response of porous inhomogeneous nanobeams due to various impulsive loads based on nonlocal strain gradient elasticity. <i>International Journal of Mechanics and Materials in Design</i> , 2020, 16, 57-68.	1.7	15
32	OMPACT CPW FED SWITCHABLE UWB ANTENNA AS AN ANTENNA FILTER AT NARROW-FREQUENCY BANDS. <i>Progress in Electromagnetics Research C</i> , 2018, 81, 199-209.	0.6	14
33	Analyzing nonlinear vibration of metal foam stiffened toroidal convex/concave shell segments considering porosity distribution. <i>Mechanics Based Design of Structures and Machines</i> , 2023, 51, 310-326.	3.4	14
34	CPW Fed Miniaturized UWB Tri-Notch Antenna with Bandwidth Enhancement. <i>Advances in Electrical Engineering</i> , 2016, 2016, 1-7.	1.1	13
35	Calculation of stress intensity factor for functionally graded cylinders with two radial cracks using the weight function method. <i>Theoretical and Applied Fracture Mechanics</i> , 2016, 85, 447-456.	2.1	13
36	Fracture Analysis of a Special Cracked Lap Shear (CLS) Specimen with Utilization of Virtual Crack Closure Technique (VCCT) by Finite Element Methods. <i>Journal of Failure Analysis and Prevention</i> , 2017, 17, 304-314.	0.5	13

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37	SWITCHABLE PLANAR MONOPOLE ANTENNA BETWEEN ULTRA-WIDEBAND AND NARROW BAND BEHAVIOR. Progress in Electromagnetics Research Letters, 2018, 75, 131-137.	0.4	13
38	Analysis of nonlinear vibrations of CNT- /fiberglass-reinforced multi-scale truncated conical shell segments. Mechanics Based Design of Structures and Machines, 2022, 50, 2067-2083.	3.4	13
39	Small scale effects on transient vibrations of porous FG cylindrical nanoshells based on nonlocal strain gradient theory. European Physical Journal Plus, 2020, 135, 1.	1.2	13
40	Effect of temperature on microstructural evolution and subsequent enhancement of mechanical properties in a backward extruded magnesium alloy. International Journal of Advanced Manufacturing Technology, 2018, 95, 3155-3166.	1.5	12
41	Nonlinear modeling and dynamic analysis of bioengineering hyper-elastic tubes based on different material models. Biomechanics and Modeling in Mechanobiology, 2020, 19, 971-983.	1.4	12
42	Design of low-profile frequency reconfigurable antenna for multiband applications. International Journal of Electronics Letters, 2022, 10, 30-47.	0.7	10
43	A Dual-Stage Vocabulary of Features (VoF)-Based Technique for COVID-19 Variantsâ€™ Classification. Applied Sciences (Switzerland), 2021, 11, 11902.	1.3	9
44	Low-Rank Multi-Channel Features for Robust Visual Object Tracking. Symmetry, 2019, 11, 1155.	1.1	8
45	Time-Domain Investigation of Switchable Filter Wide-Band Antenna for Microwave Breast Imaging. Sensors, 2020, 20, 4302.	2.1	8
46	Design of compact tri and quad band band-pass filters using stub loaded resonators for wireless applications. SN Applied Sciences, 2019, 1, 1.	1.5	7
47	Image Local Features Description Through Polynomial Approximation. IEEE Access, 2019, 7, 183692-183705.	2.6	7
48	Wearable Tri-Band Antenna for Switching Between WLAN and Bluetooth for Body Centric Wireless Communication. Wireless Personal Communications, 2021, 117, 1459-1470.	1.8	7
49	A Novel Deep-Learning-Based Framework for the Classification of Cardiac Arrhythmia. Journal of Imaging, 2022, 8, 70.	1.7	7
50	Nonlinear vibrations of variable thickness curved panels made of multi-scale epoxy/fiberglass/CNT material using Jacobi elliptic functions. Mechanics Based Design of Structures and Machines, 2020, , 1-17.	3.4	6
51	Investigating nonlinear vibrations of multi-scale truncated conical shell segments with carbon nanotube/fiberglass reinforcement using a higher order conical shell theory. Journal of Strain Analysis for Engineering Design, 2021, 56, 181-192.	1.0	5
52	The effect of water-diesel emulsion usage on a tractor engine performance and emission. Russian Agricultural Sciences, 2016, 42, 488-492.	0.1	4
53	Analyzing nonlocal nonlinear vibrations of two-phase geometrically imperfect piezo-magnetic beams considering piezoelectric reinforcement scheme. Journal of Strain Analysis for Engineering Design, 2020, 55, 258-270.	1.0	4
54	Person Re-Identification by Discriminative Local Features of Overlapping Stripes. Symmetry, 2020, 12, 647.	1.1	3

#	ARTICLE	IF	CITATIONS
55	Nonlinear dynamic characteristics of nonlocal multi-phase magneto-electro-elastic nano-tubes with different piezoelectric constituents. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	3
56	A Novel High Gain Array Approach MIMO Antenna Operating at 28 GHz for 5G mm Wave Applications. , 2021, , .		0