

# Stelios A Mitilineos

## List of Publications by Year in descending order

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55  
papers

417  
citations

759233

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18  
g-index

55  
all docs

55  
docs citations

55  
times ranked

335  
citing authors

#	ARTICLE	IF	CITATIONS
1	INDOOR LOCALISATION WITH WIRELESS SENSOR NETWORKS. Progress in Electromagnetics Research, 2010, 109, 441-474.	4.4	49
2	DESIGN OF SWITCHED BEAM PLANAR ARRAYS USING THE METHOD OF GENETIC ALGORITHMS. Progress in Electromagnetics Research, 2004, 46, 105-126.	4.4	29
3	A Study of the Performance of Wireless Sensor Networks Operating with Smart Antennas. IEEE Antennas and Propagation Magazine, 2012, 54, 50-67.	1.4	29
4	Genetic Design of Dual-band, Switched-beam Dipole Arrays, with Elements Failure Correction, Retaining Constant Excitation Coefficients. Journal of Electromagnetic Waves and Applications, 2006, 20, 1925-1942.	1.6	24
5	A New, Low-Cost, Switched Beam and Fully Adaptive Antenna Array for 2.4 GHz ISM Applications. IEEE Transactions on Antennas and Propagation, 2007, 55, 2502-2508.	5.1	21
6	Design and Optimization of ESPAR Antennas via Impedance Measurements and a Genetic Algorithm [Antenna Designer's Notebook]. IEEE Antennas and Propagation Magazine, 2009, 51, 118-123.	1.4	16
7	POSITIONING ACCURACY ENHANCEMENT USING ERROR MODELING VIA A POLYNOMIAL APPROXIMATION APPROACH. Progress in Electromagnetics Research, 2010, 102, 49-64.	4.4	15
8	Design of a Corner-Reflector Reactively Controlled Antenna for Maximum Directivity and Multiple Beam Forming at 2.4 GHz. IEEE Transactions on Antennas and Propagation, 2011, 59, 1132-1139.	5.1	15
9	On Array Failure Mitigation With Respect to Probability of Failure, Using Constant Excitation Coefficients and a Genetic Algorithm. IEEE Antennas and Wireless Propagation Letters, 2006, 5, 187-190.	4.0	14
10	A Two-Level Sound Classification Platform for Environmental Monitoring. Journal of Sensors, 2018, 2018, 1-13.	1.1	14
11	PSG-Audio, a scored polysomnography dataset with simultaneous audio recordings for sleep apnea studies. Scientific Data, 2021, 8, 197.	5.3	14
12	Design of Waveguide Microwave Pulse Compressors Using Equivalent Circuits. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 125-134.	4.6	13
13	A Broadband, Vertically Polarized, Circular Switched Parasitic Array for Indoor Portable DVB-T Applications at the IV UHF Band. IEEE Transactions on Broadcasting, 2007, 53, 547-552.	3.2	12
14	On array failure mitigation using genetic algorithms and a priori joint optimization. IEEE Antennas and Propagation Magazine, 2005, 47, 227-232.	1.4	11
15	A new active RF phase shifter using variable gain, drain Voltage controlled PHEMTs:A 2.4-GHz ISM implementation. IEEE Microwave and Wireless Components Letters, 2005, 15, 454-456.	3.2	11
16	A New Low-Profile and Cost SPA-PIFA for Mobile 2.4 GHz ISM Applications. Journal of Electromagnetic Waves and Applications, 2010, 24, 881-891.	1.6	11
17	Broadband switched parasitic arrays for portable DVB-T receiver applications in the VHF/UHF bands. IEEE Antennas and Propagation Magazine, 2008, 50, 110-117.	1.4	8
18	Acoustic Sensor Data Flow for Cultural Heritage Monitoring and Safeguarding. Sensors, 2019, 19, 1629.	3.8	8

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19	On the effect of compression on the complexity characteristics of wireless acoustic sensor network signals. <i>Signal Processing</i> , 2015, 107, 153-163.	3.7	7
20	WAX-ROOM: an indoor WSN-based localization platform. <i>Proceedings of SPIE</i> , 2010, , .	0.8	6
21	DALE: A range-free, adaptive indoor localization method enhanced by limited fingerprinting. , 2010, , .		6
22	Conformal Patch Antenna Arrays Design for Onboard Ship Deployment Using Genetic Algorithms. <i>Advances in Power Electronics</i> , 2013, 2013, 1-5.	0.8	6
23	A simulation method for bit-error-rate-performance estimation for arbitrary angle of arrival channel models. <i>IEEE Antennas and Propagation Magazine</i> , 2004, 46, 158-163.	1.4	5
24	A broadband, circular switched parasitic array for portable and vehicular mobile DVB-T applications at the V UHF band. <i>Microwave and Optical Technology Letters</i> , 2008, 50, 1727-1732.	1.4	5
25	Blind Position Location via Geometric Loci Construction. <i>Wireless Personal Communications</i> , 2011, 60, 665-677.	2.7	5
26	Transmission line modeling of active microwave pulse compression systems. , 2013, , .		5
27	Equivalent circuit/transmission line model of microwave pulse-compression cavities. , 2014, , .		5
28	Neural Network Fusion and Selection Techniques for Noise-Efficient Sound Classification. <i>AES: Journal of the Audio Engineering Society</i> , 2019, 67, 27-37.	1.0	4
29	Design of Microwave Pulse Compressors Using Small Form-Factor Waveguide Cavities. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020, 68, 3255-3262.	4.6	4
30	Experiments on the Pulse Repetition Frequency Optimization of 1.3-GHz, 100-kW Microwave Pulse Compressor. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2020, 68, 2374-2381.	4.6	4
31	Deep Self-Organizing Map of Convolutional Layers for Clustering and Visualizing Image Data. <i>Machine Learning and Knowledge Extraction</i> , 2021, 3, 879-899.	5.0	4
32	Indoor environments propagation simulation using a hybrid MoM and UTD electromagnetic method. <i>Annales Des Telecommunications/Annals of Telecommunications</i> , 2005, 60, 1231-1243.	2.5	3
33	Comments on "Measuring the impedance of balanced antennas by an s-parameter method". <i>IEEE Antennas and Propagation Magazine</i> , 2008, 50, 113-114.	1.4	3
34	A near-optimal low complexity sensor fusion technique for accurate indoor localization based on ultrasound time of arrival measurements from low-quality sensors. <i>Proceedings of SPIE</i> , 2009, , .	0.8	3
35	Modeling of a waveguide microwave pulse compression system using transmission line theory and equivalent circuits. , 2015, , .		3
36	Physiological parameters monitoring of fire-fighters by means of a wearable wireless sensor system. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 108, 012011.	0.6	3

#	ARTICLE	IF	CITATIONS
37	Positioning accuracy enhancement using localization error modeling. , 2009, , .		2
38	Indoor localization using passive RFID. , 2011, , .		2
39	High-Level Sound Classification in the ESOUNDMAPS Project. Key Engineering Materials, 2015, 644, 83-86.	0.4	2
40	Effects of different conductive yarnsâ€™ knitting structure on electromagnetic shielding effectiveness. IOP Conference Series: Materials Science and Engineering, 0, 459, 012061.	0.6	2
41	Electromagnetic Susceptibility of Car Engine and Parts to Narrowband Microwaves in the 1â€™2.5 GHz Band. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1366-1375.	2.2	2
42	Detecting Apnea/Hypopnea Events Time Location from Sound Recordings for Patients with Severe or Moderate Sleep Apnea Syndrome. Applied Sciences (Switzerland), 2021, 11, 6888.	2.5	2
43	Design of a dual-band, switched-beam dipole array. , 2006, , .		1
44	A PIFA - parasitic optimization utilizing the Genetic Algorithms technique. , 2006, , .		1
45	Design of a Dual-Band, Switched-Beam Dipole Array, with Elements Failure Correction. , 2007, , .		1
46	Development of a compact SPA for 2.4GHz applications using commercially available elements: Design and experimental validation. , 2009, , .		1
47	MIND: A Nonparametric Decision Fusion Method for Accurate Indoor Localization using Sensors with Monotonically Increasing Error Functions. IEEE Transactions on Aerospace and Electronic Systems, 2011, 47, 1498-1506.	4.7	1
48	Fast Simulation of Average Small-Scale Fading for Indoor Localization Applications. Wireless Personal Communications, 2013, 71, 745-767.	2.7	1
49	A Wireless Acoustic Sensor Network for environmental monitoring based on flexible hardware nodes. , 2015, , .		1
50	Microwave pulse compression experiments in a waveguide cavity with RF breakdown triggered switch. , 2016, , .		1
51	High Frequency Attenuation Characterization of Knitted E-Textile Structures. IOP Conference Series: Materials Science and Engineering, 2018, 460, 012054.	0.6	1
52	A Real-Time Snore Detector Using Neural Networks and Selected Sound Features. Engineering Proceedings, 2021, 11, .	0.4	1
53	A Novel Switched Parasitic Array and Diversity Scheme Using Horizontally Polarized Linear Antennas. Wireless Personal Communications, 2006, 38, 421-433.	2.7	0
54	On the Design of a Dual-Band, Switched-Beam Antenna Array with Constant Excitation Coefficients. Wireless Personal Communications, 2007, 41, 127-133.	2.7	0

#	ARTICLE	IF	CITATIONS
55	Simulation of Small-Scale Fading in Mobile Channel Models for Next-Generation Wireless Communications. , 2009, , 321-360.		0