

Stelios A Mitilineos

List of Publications by Year in descending order

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papers

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759233

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335
citing authors

#	ARTICLE	IF	CITATIONS
1	Electromagnetic Susceptibility of Car Engine and Parts to Narrowband Microwaves in the 1–2.5 GHz Band. IEEE Transactions on Electromagnetic Compatibility, 2021, 63, 1366-1375.	2.2	2
2	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
3	PSG-Audio, a scored polysomnography dataset with simultaneous audio recordings for sleep apnea studies. Scientific Data, 2021, 8, 197.	5.3	14
4	Deep Self-Organizing Map of Convolutional Layers for Clustering and Visualizing Image Data. Machine Learning and Knowledge Extraction, 2021, 3, 879-899.	5.0	4
5	A Real-Time Snore Detector Using Neural Networks and Selected Sound Features. Engineering Proceedings, 2021, 11, .	0.4	1
6	Design of Microwave Pulse Compressors Using Small Form-Factor Waveguide Cavities. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 3255-3262.	4.6	4
7	Experiments on the Pulse Repetition Frequency Optimization of 1.3-GHz, 100-kW Microwave Pulse Compressor. IEEE Transactions on Microwave Theory and Techniques, 2020, 68, 2374-2381.	4.6	4
8	Acoustic Sensor Data Flow for Cultural Heritage Monitoring and Safeguarding. Sensors, 2019, 19, 1629.	3.8	8
9	Neural Network Fusion and Selection Techniques for Noise-Efficient Sound Classification. AES: Journal of the Audio Engineering Society, 2019, 67, 27-37.	1.0	4
10	High Frequency Attenuation Characterization of Knitted E-Textile Structures. IOP Conference Series: Materials Science and Engineering, 2018, 460, 012054.	0.6	1
11	A Two-Level Sound Classification Platform for Environmental Monitoring. Journal of Sensors, 2018, 2018, 1-13.	1.1	14
12	Physiological parameters monitoring of fire-fighters by means of a wearable wireless sensor system. IOP Conference Series: Materials Science and Engineering, 2016, 108, 012011.	0.6	3
13	Microwave pulse compression experiments in a waveguide cavity with RF breakdown triggered switch. , 2016, , .		1
14	A Wireless Acoustic Sensor Network for environmental monitoring based on flexible hardware nodes. , 2015, , .		1
15	Modeling of a waveguide microwave pulse compression system using transmission line theory and equivalent circuits. , 2015, , .		3
16	High-Level Sound Classification in the ESOUNDMAPS Project. Key Engineering Materials, 2015, 644, 83-86.	0.4	2
17	Design of Waveguide Microwave Pulse Compressors Using Equivalent Circuits. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 125-134.	4.6	13
18	On the effect of compression on the complexity characteristics of wireless acoustic sensor network signals. Signal Processing, 2015, 107, 153-163.	3.7	7

#	ARTICLE	IF	CITATIONS
19	Equivalent circuit/transmission line model of microwave pulse-compression cavities. , 2014, , .		5
20	Fast Simulation of Average Small-Scale Fading for Indoor Localization Applications. Wireless Personal Communications, 2013, 71, 745-767.	2.7	1
21	Transmission line modeling of active microwave pulse compression systems. , 2013, , .		5
22	Conformal Patch Antenna Arrays Design for Onboard Ship Deployment Using Genetic Algorithms. Advances in Power Electronics, 2013, 2013, 1-5.	0.8	6
23	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
24	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
25	Indoor localization using passive RFID. , 2011, , .		2
26	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
27	Blind Position Location via Geometric Loci Construction. Wireless Personal Communications, 2011, 60, 665-677.	2.7	5
28	WAX-ROOM: an indoor WSN-based localization platform. Proceedings of SPIE, 2010, , .	0.8	6
29	POSITIONING ACCURACY ENHANCEMENT USING ERROR MODELING VIA A POLYNOMIAL APPROXIMATION APPROACH. Progress in Electromagnetics Research, 2010, 102, 49-64.	4.4	15
30	INDOOR LOCALISATION WITH WIRELESS SENSOR NETWORKS. Progress in Electromagnetics Research, 2010, 109, 441-474.	4.4	49
31	DALE: A range-free, adaptive indoor localization method enhanced by limited fingerprinting. , 2010, , .		6
32	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
33	Positioning accuracy enhancement using localization error modeling. , 2009, , .		2
34	Development of a compact SPA for 2.4GHz applications using commercially available elements: Design and experimental validation. , 2009, , .		1
35	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
36	A near-optimal low complexity sensor fusion technique for accurate indoor localization based on ultrasound time of arrival measurements from low-quality sensors. Proceedings of SPIE, 2009, , .	0.8	3

#	ARTICLE	IF	CITATIONS
37	Simulation of Small-Scale Fading in Mobile Channel Models for Next-Generation Wireless Communications. , 2009, , 321-360.		0
38	A broadband, circular switched parasitic array for portable and vehicular mobile DVB-T applications at the V UHF band. Microwave and Optical Technology Letters, 2008, 50, 1727-1732.	1.4	5
39	Comments on "Measuring the impedance of balanced antennas by an s-parameter method". IEEE Antennas and Propagation Magazine, 2008, 50, 113-114.	1.4	3
40	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
41	Design of a Dual-Band, Switched-Beam Dipole Array, with Elements Failure Correction. , 2007, , .		1
42	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
43	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
44	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
45	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
46	Design of a dual-band, switched-beam dipole array. , 2006, , .		1
47	A Novel Switched Parasitic Array and Diversity Scheme Using Horizontally Polarized Linear Antennas. Wireless Personal Communications, 2006, 38, 421-433.	2.7	0
48	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
49	A PIFA - parasitic optimization utilizing the Genetic Algorithms technique. , 2006, , .		1
50	Indoor environments propagation simulation using a hybrid MoM and UTD electromagnetic method. Annales Des Telecommunications/Annals of Telecommunications, 2005, 60, 1231-1243.	2.5	3
51	On array failure mitigation using genetic algorithms and a priori joint optimization. IEEE Antennas and Propagation Magazine, 2005, 47, 227-232.	1.4	11
52	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
53	DESIGN OF SWITCHED BEAM PLANAR ARRAYS USING THE METHOD OF GENETIC ALGORITHMS. Progress in Electromagnetics Research, 2004, 46, 105-126.	4.4	29
54	A simulation method for bit-error-rate-performance estimation for arbitrary angle of arrival channel models. IEEE Antennas and Propagation Magazine, 2004, 46, 158-163.	1.4	5

#	ARTICLE	IF	CITATIONS
55	Effects of different conductive yarns' knitting structure on electromagnetic shielding effectiveness. IOP Conference Series: Materials Science and Engineering, 0, 459, 012061.	0.6	2