

Agustn Martn Muoz

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

302
citations

7
h-index

16
g-index

41
ext. papers

416
ext. citations

1.5
avg, IF

2.77
L-index

#	Paper	IF	Citations
39	Comparison of FDTD-calculated specific absorption rate in adults and children when using a mobile phone at 900 and 1800 MHz. <i>Physics in Medicine and Biology</i> , 2004 , 49, 345-54	3.8	150
38	FDTD assessment of human exposure to electromagnetic fields from WiFi and bluetooth devices in some operating situations. <i>Bioelectromagnetics</i> , 2009 , 30, 142-51	1.6	22
37	On the safety assessment of human exposure in the proximity of cellular communications base-station antennas at 900, 1800 and 2170 MHz. <i>Physics in Medicine and Biology</i> , 2005 , 50, 4125-37	3.8	20
36	A Lightweight Pseudorandom Number Generator for Securing the Internet of Things. <i>IEEE Access</i> , 2017 , 5, 27800-27806	3.5	17
35	Comparison of SAR and induced current densities in adults and children exposed to electromagnetic fields from electronic article surveillance devices. <i>Physics in Medicine and Biology</i> , 2010 , 55, 1041-55	3.8	14
34	. <i>IEEE Transactions on Antennas and Propagation</i> , 1993 , 41, 1336-1339	4.9	10
33	Near-field time-domain physical-optics and FDTD method for safety assessment near a base-station antenna. <i>Microwave and Optical Technology Letters</i> , 2003 , 39, 393-395	1.2	7
32	Thermal conductivity of silver loaded conductive epoxy from cryogenic to ambient temperature and its application for precision cryogenic noise measurements. <i>Cryogenics</i> , 2016 , 76, 23-28	1.8	7
31	Breaking Points in Quartic Maps. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2015 , 25, 1550051	2	6
30	FDTD analysis of the maximum SAR when operating a mobile phone near a human eye and a wall. <i>Microwave and Optical Technology Letters</i> , 2001 , 28, 83-85	1.2	5
29	A combination of time-domain versions of PO and PTD with the FDTD method to evaluate human exposure to an electromagnetic field in an urban environment. <i>Microwave and Optical Technology Letters</i> , 2001 , 31, 371-374	1.2	4
28	Using a combination of FDTD with a surface integration method for electromagnetic scattering analysis in large regions. <i>Microwave and Optical Technology Letters</i> , 1999 , 22, 74-78	1.2	4
27	Bifurcation Diagram of a Map with Multiple Critical Points. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2018 , 28, 1850065	2	4
26	A Modular and Optimized Toolbox for Side-Channel Analysis. <i>IEEE Access</i> , 2019 , 7, 21889-21903	3.5	3
25	Hidden and Nonstandard Bifurcation Diagram of an Alternate Quadratic System. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2016 , 26, 1650036	2	3
24	GMT study of the telephone-operator interaction in mobile communications. <i>Microwave and Optical Technology Letters</i> , 1997 , 15, 123-127	1.2	3
23	On the calculation of safety distances for human exposure to electromagnetic fields from base-station antennas. <i>Microwave and Optical Technology Letters</i> , 2002 , 34, 364-367	1.2	3

22	A Study on the Performance of Secure Elliptic Curves for Cryptographic Purposes. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 658-667	0.4	2
21	A comparative study of three Spanish eGovernment smart cards. <i>Logic Journal of the IGPL</i> , 2017 , 25, 42-53		2
20	An efficient FDTD time-domain equivalent currents method for safety assessment in human exposure to base-station antennas in presence of obstacles. <i>Microwave and Optical Technology Letters</i> , 2006 , 48, 1987-1991	1.2	2
19	. <i>IEEE Transactions on Magnetics</i> , 1991 , 27, 3880-3882	2	2
18	Using Smart Cards for Authenticating in Public Services: A Comparative Study. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 437-446	0.4	2
17	A Framework for Acquiring and Analyzing Traces from Cryptographic Devices. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2018 , 283-300	0.2	1
16	Calculation of the Structure of a Shrub in the Mandelbrot Set. <i>Discrete Dynamics in Nature and Society</i> , 2011 , 2011, 1-23	1.1	1
15	High-frequency approximation for cone-tip backscattering at arbitrary aspects from bodies of revolution. <i>IEEE Transactions on Magnetics</i> , 1999 , 35, 1514-1517	2	1
14	. <i>IEEE Transactions on Magnetics</i> , 1995 , 31, 1670-1673	2	1
13	Harmonic Analysis in Discrete Dynamical Systems. <i>International Journal of Modern Nonlinear Theory and Application</i> , 2012 , 01, 14-31	0.2	1
12	A Toolbox for DPA Attacks to Smart Cards. <i>Advances in Intelligent Systems and Computing</i> , 2014 , 399-408	0.4	1
11	Implementation of Cryptographic Algorithms for Elliptic Curves. <i>Springer Proceedings in Mathematics and Statistics</i> , 2016 , 121-133	0.2	1
10	On-the-Fly Testing an Implementation of Arrow Lightweight PRNG Using a LabVIEW Framework. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 175-184	0.4	1
9	Secure Elliptic Curves in Cryptography 2018 , 283-298		0
8	Design and optimization of the input modules of a DPA toolbox. <i>Logic Journal of the IGPL</i> , 2015 , jzv041		1
7	Design of a Set of Software Tools for Side-Channel Attacks. <i>IEEE Latin America Transactions</i> , 2015 , 13, 1966-1978	0.7	
6	A Method to Solve the Limitations in Drawing External Rays of the Mandelbrot Set. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-9	1.1	
5	Using Free Mathematical Software in Engineering Classes. <i>Axioms</i> , 2021 , 10, 253	1.6	

- 4 Study of the Reconciliation Mechanism of NewHope. *Advances in Intelligent Systems and Computing*, **2021**, 361-370 0.4
- 3 A Comparison of Computer-Based Technologies Suitable for Cryptographic Attacks. *Advances in Intelligent Systems and Computing*, **2017**, 621-630 0.4
- 2 A Proposal for Using a Cryptographic National Identity Card in Social Networks. *Advances in Intelligent Systems and Computing*, **2018**, 651-660 0.4
- 1 Limits and apparent paradoxes in economics and engineering **2020**, 1-14