

# Marcos Sergio Gonçalves

## List of Publications by Year in descending order

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17  
papers

103  
citations

1937685

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h-index

1372567

10  
g-index

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all docs

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docs citations

17  
times ranked

92  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-Band Impedance Matching Using Folded Stubs Composed Of Periodic Structures. IEEE Latin America Transactions, 2022, 20, 276-282.	1.6	1
2	Multi-Symmetric Level (MSL) Optimization Technique Based on Genetic Algorithm for Photonic Devices Design. Journal of Microwaves, Optoelectronics and Electromagnetic Applications, 2021, 20, 790-800.	0.7	0
3	Towards an integrated evolutionary strategy and artificial neural network computational tool for designing photonic coupler devices. Applied Soft Computing Journal, 2018, 65, 1-11.	7.2	26
4	Evolutionary Strategy Algorithm in a Complex Photonic Coupler Device Optimization. IEEE Latin America Transactions, 2018, 16, 613-619.	1.6	2
5	Numerical Analysis of a Novel Optical Filter for DWDM Systems. IEEE Latin America Transactions, 2016, 14, 1943-1947.	1.6	0
6	Complex elastic coefficient and mechanical losses for piezoelectric resonators under transversal and thickness modes. Ferroelectrics, 2016, 504, 104-115.	0.6	3
7	A novel three dimensional vector finite element method for periodic photonic devices. Microwave and Optical Technology Letters, 2016, 58, 2665-2668.	1.4	1
8	Finite element method to improve the computational performance in optical devices analysis. Microwave and Optical Technology Letters, 2015, 57, 1423-1426.	1.4	2
9	A novel approach to suppress the DC modes in eigenvalue problems using the finite element method. Microwave and Optical Technology Letters, 2013, 55, 210-212.	1.4	1
10	Experimental evaluation of the performance of a wireless sensor network in agricultural environments. Engenharia Agricola, 2012, 32, 1165-1175.	0.7	4
11	Novel dual-band RFID antenna configuration with independent tuning adjustment. Microwave and Optical Technology Letters, 2012, 54, 2214-2217.	1.4	6
12	Estudo do amortecimento do pêndulo simples: uma proposta para aplicação em laboratório de ensino. Revista Brasileira De Ensino De Fisica, 2011, 33, 4311-4311.	0.2	3
13	Parallel three-dimensional full-time domain applied to photonic structures. IET Optoelectronics, 2011, 5, 40-45.	3.3	2
14	Designing Novel Photonic Devices by Bio-Inspired Computing. IEEE Photonics Technology Letters, 2010, 22, 1177-1179.	2.5	47
15	Design of photonic devices using bio-inspired algorithms. , 2009, , .		2
16	Improvements in linear system solutions to Finite Element Method. , 2009, , .		0
17	New set of 3D orthogonal edge basis functions for the vector wave equation solution. Microwave and Optical Technology Letters, 2007, 49, 2224-2228.	1.4	3