

Marcos Sergio Gonçalves

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

103
citations

1937685

4
h-index

1372567

10
g-index

17
all docs

17
docs citations

17
times ranked

92
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Designing Novel Photonic Devices by Bio-Inspired Computing. IEEE Photonics Technology Letters, 2010, 22, 1177-1179. | 2.5 | 47 |
| 2 | 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 |
| 3 | Novel dual-band RFID antenna configuration with independent tuning adjustment. Microwave and Optical Technology Letters, 2012, 54, 2214-2217. | 1.4 | 6 |
| 4 | Experimental evaluation of the performance of a wireless sensor network in agricultural environments. Engenharia Agricola, 2012, 32, 1165-1175. | 0.7 | 4 |
| 5 | 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 |
| 6 | 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 |
| 7 | Complex elastic coefficient and mechanical losses for piezoelectric resonators under transversal and thickness modes. Ferroelectrics, 2016, 504, 104-115. | 0.6 | 3 |
| 8 | Design of photonic devices using bio-inspired algorithms. , 2009, , . | | 2 |
| 9 | Parallel three-dimensional full-time domain applied to photonic structures. IET Optoelectronics, 2011, 5, 40-45. | 3.3 | 2 |
| 10 | Finite element method to improve the computational performance in optical devices analysis. Microwave and Optical Technology Letters, 2015, 57, 1423-1426. | 1.4 | 2 |
| 11 | Evolutionary Strategy Algorithm in a Complex Photonic Coupler Device Optimization. IEEE Latin America Transactions, 2018, 16, 613-619. | 1.6 | 2 |
| 12 | 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 |
| 13 | A novel three dimensional vector finite element method for periodic photonic devices. Microwave and Optical Technology Letters, 2016, 58, 2665-2668. | 1.4 | 1 |
| 14 | Dual-Band Impedance Matching Using Folded Stubs Composed Of Periodic Structures. IEEE Latin America Transactions, 2022, 20, 276-282. | 1.6 | 1 |
| 15 | Improvements in linear system solutions to Finite Element Method. , 2009, , . | | 0 |
| 16 | Numerical Analysis of a Novel Optical Filter for DWDM Systems. IEEE Latin America Transactions, 2016, 14, 1943-1947. | 1.6 | 0 |
| 17 | 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 |