

# Amir Geranmayeh

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

193  
citations

1478505

6  
h-index

1372567

10  
g-index

20  
all docs

20  
docs citations

20  
times ranked

173  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Heart sound reproduction based on neural network classification of cardiac valve disorders using wavelet transforms of PCG signals. <i>Computers in Biology and Medicine</i> , 2009, 39, 8-15.        | 7.0 | 82        |
| 2  | Protein secondary structure prediction using modular reciprocal bidirectional recurrent neural networks. <i>Computer Methods and Programs in Biomedicine</i> , 2010, 100, 237-247.                    | 4.7 | 25        |
| 3  | Temporal discretization choices for stable boundary element methods in electromagnetic scattering problems. <i>Applied Numerical Mathematics</i> , 2009, 59, 2751-2773.                               | 2.1 | 16        |
| 4  | Towards designing modular recurrent neural networks in learning protein secondary structures. <i>Expert Systems With Applications</i> , 2012, 39, 6263-6274.  | 7.6 | 14        |
| 5  | Numerical Simulation of Electromagnetic Fields Radiated by Lightning Return Stroke Channels: A Wavelet-Based Approach. <i>IEEE Transactions on Electromagnetic Compatibility</i> , 2006, 48, 225-233. | 2.2 | 10        |
| 6  | A fast wavelet-based moment method for solving thin-wire EFIE. <i>IEEE Transactions on Magnetics</i> , 2006, 42, 575-578.   | 2.1 | 8         |
| 7  | Proper Combination of Integrators and Interpolators for Stable Marching-on-in-Time Schemes. , 2007, , .   |     | 7         |
| 8  | Survey of Temporal Basis Functions for Integral Equation Methods. , 2007, , .   |     | 6         |
| 9  | Space-FFT-accelerated marching-on-in-degree methods for finite periodic structures. <i>International Journal of Microwave and Wireless Technologies</i> , 2009, 1, 331-337.                           | 1.9 | 6         |
| 10 | FFT Accelerated Marching-on-in-Order Methods. , 2008, , .   |     | 5         |
| 11 | Fast Construction of Wavelet-Based Moment Matrices in Solving Thin-Wire Electric Field Integral Equations. , 0, , .   |     | 3         |
| 12 | Pruning neural networks for protein secondary structure prediction. , 2008, , .   |     | 3         |
| 13 | Laguerreâ€Galerkin methods with reduced sum-products. <i>Applied Mathematical Modelling</i> , 2016, 40, 6267-6279.  | 4.2 | 3         |
| 14 | Toeplitz property on order indices of Laguerre expansion methods. , 2009, , .   |     | 2         |
| 15 | On the use of piecewise linear wavelets for fast construction of sparsified moment matrices in solving the thin-wire EFIE. <i>Engineering Analysis With Boundary Elements</i> , 2006, 30, 869-881.    | 3.7 | 1         |
| 16 | Symplectic time integration methods for retarded potential integral equations. <i>Digest / IEEE Antennas and Propagation Society International Symposium</i> , 2009, , .                              | 0.0 | 1         |
| 17 | Finite difference delay modeling of potential time integrals. , 2010, , .   |     | 1         |
| 18 | 1/R2-Kernel cancelation in classical marching-on-in-time schemes. , 2011, , .   |     | 0         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Convolution quadrature methods for 3D EM wave scattering analysis. Engineering Analysis With Boundary Elements, 2014, 43, 50-55. | 3.7 | 0         |