

Pter Szolgay

List of Publications by Year in Descending Order

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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.

26
papers

166
citations

7
h-index

12
g-index

31
ext. papers

201
ext. citations

1.8
avg, IF

2.15
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 26 | Accelerating unstructured finite volume computations on field-programmable gate arrays. <i>Concurrency Computation Practice and Experience</i> , 2014 , 26, 615-643 | 1.4 | 4 |
| 25 | FPGA based acceleration of computational fluid flow simulation on unstructured mesh geometry 2012 , | | 6 |
| 24 | Analysis of a GPU based CNN implementation 2012 , | | 9 |
| 23 | Variational computing based segmentation methods for medical imaging by using CNN 2010 , | | 8 |
| 22 | CNN model on stream processing platform 2009 , | | 1 |
| 21 | Variational computing based images denoising methods by using cellular neural networks 2009 , | | 2 |
| 20 | Implementation of a parallel SAD based wavefront sensor architecture on FPGA 2009 , | | 1 |
| 19 | Simulation of 2D inviscid, adiabatic, compressible flows on emulated digital CNN-UM. <i>International Journal of Circuit Theory and Applications</i> , 2009 , 37, 569-585 | 2 | 7 |
| 18 | Simulation of Two-Dimensional Supersonic Flows on Emulated-Digital CNN-UM. <i>Eurasip Journal on Advances in Signal Processing</i> , 2009 , 2009, | 1.9 | 1 |
| 17 | FPGA based emulated-digital CNN-UM implementation with GAPU 2008 , | | 2 |
| 16 | A standalone FPGA based emulated-digital CNN-UM system 2008 , | | 1 |
| 15 | An advanced real-time, multi-channel emulated-digital retina model implementation on FPGA 2008 , | | 1 |
| 14 | Emulated digital CNN-UM on different kind of array processors 2008 , | | 1 |
| 13 | Two-dimensional Compressible Flow Simulation on Emulated Digital CNN-UM 2008 , | | 8 |
| 12 | Implementation of embedded emulated-digital CNN-UM global analogic programming unit on FPGA and its application. <i>International Journal of Circuit Theory and Applications</i> , 2008 , 36, 589-603 | 2 | 23 |
| 11 | Toward exploitation of cell multi-processor array in time-consuming applications by using CNN model. <i>International Journal of Circuit Theory and Applications</i> , 2008 , 36, 605-622 | 2 | 4 |
| 10 | CNN-UM based transversely isotropic elastic wave propagation simulation 2007 , | | 2 |

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|---|--|---|----|
| 9 | CNN model on cell multiprocessor array 2007 , | | 2 |
| 8 | Emulated digital CNN solution for two dimensional compressible flows 2007 , | | 1 |
| 7 | Emulated digital CNN-UM solution of partial differential equations. <i>International Journal of Circuit Theory and Applications</i> , 2006 , 34, 445-470 | 2 | 26 |
| 6 | 3D tactile sensor array processed by CNN-UM: a fast method for detecting and identifying slippage and twisting motion. <i>International Journal of Circuit Theory and Applications</i> , 2006 , 34, 517-531 | 2 | 17 |
| 5 | CNNUM-Based Methods Using Deformable Contours on Smooth Boundaries 2006 , | | 1 |
| 4 | Some new analogic CNN algorithms for PCB quality control. <i>International Journal of Circuit Theory and Applications</i> , 2002 , 30, 231-245 | 2 | |
| 3 | An Emulated Digital CNN Implementation. <i>Journal of Signal Processing Systems</i> , 1999 , 23, 291-303 | | 29 |
| 2 | Analogic algorithms for optical detection of breaks and short circuits on the layouts of printed circuit boards using CNN. <i>International Journal of Circuit Theory and Applications</i> , 1999 , 27, 103-116 | 2 | 7 |
| 1 | On algorithms in the parallel design of logic and layout of circuits with functional blocks. <i>International Journal of Circuit Theory and Applications</i> , 1992 , 20, 411-429 | 2 | 2 |