

Gregorio Bernab Garca

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.

36
papers

190
citations

7
h-index

12
g-index

37
ext. papers

230
ext. citations

2.2
avg, IF

2.69
L-index

#	Paper	IF	Citations
36	Left ventricular non-compactness cardiomyopathy automatic diagnosis using a deep learning approach. <i>Computer Methods and Programs in Biomedicine</i> , 2021 , 214, 106548	6.9	0
35	Towards an Enhanced Tool for Quantifying the Degree of LV Hyper-Trabeculation. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	2
34	Deploying deep learning approaches to left ventricular non-compactness measurement. <i>Journal of Supercomputing</i> , 2021 , 77, 10138-10151	2.5	1
33	A highly accurate method for quantifying LVNC cardiomyopathy 2020 , 2020, 223-232	0.7	
32	Trabeculated Myocardium in Hypertrophic Cardiomyopathy: Clinical Consequences. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	3
31	A self-optimized software tool for quantifying the degree of left ventricle hyper-trabeculation. <i>Journal of Supercomputing</i> , 2019 , 75, 1625-1640	2.5	5
30	Parallel implementations of the 3D fast wavelet transform on a Raspberry Pi 2 cluster. <i>Journal of Supercomputing</i> , 2018 , 74, 1765-1778	2.5	5
29	On the Parallelization of Stream Compaction on a Low-Cost SDC Cluster. <i>Scientific Programming</i> , 2018 , 2018, 1-10	1.4	0
28	Rendimiento de un nuevo software para la cuantificación automática de trabeculaciones en el ventrículo izquierdo. <i>Revista Española De Cardiología</i> , 2017 , 70, 405-407	1.5	
27	Exploiting Hybrid Parallelism in the Kinematic Analysis of Multibody Systems Based on Group Equations. <i>Procedia Computer Science</i> , 2017 , 108, 576-585	1.6	1
26	Performance of a New Software Tool for Automatic Quantification of Left Ventricular Trabeculations. <i>Revista Española De Cardiología (English Ed)</i> , 2017 , 70, 405-407	0.7	5
25	A Training Engine for Automatic Quantification of Left Ventricular Trabeculation from Cardiac MRI. <i>Procedia Computer Science</i> , 2016 , 80, 2246-2250	1.6	1
24	A Software Tool for the Automatic Quantification of the Left Ventricle Myocardium Hyper-trabeculation Degree. <i>Procedia Computer Science</i> , 2015 , 51, 610-619	1.6	6
23	Auto-tuning techniques for linear algebra routines on hybrid platforms. <i>Journal of Computational Science</i> , 2015 , 10, 299-310	3.4	5
22	An Autotuning Engine for the 3D Fast Wavelet Transform on Clusters with Hybrid CPU + GPU Platforms. <i>International Journal of Parallel Programming</i> , 2015 , 43, 1160-1191	1.5	1
21	A High Performance Computing Course Guided by the LU Factorization. <i>Procedia Computer Science</i> , 2014 , 29, 1446-1457	1.6	2
20	Tuning basic Linear Algebra Routines for Hybrid CPU+GPU Platforms. <i>Procedia Computer Science</i> , 2014 , 29, 30-39	1.6	5

19	Improving an autotuning engine for 3D Fast Wavelet Transform on manycore systems. <i>Journal of Supercomputing</i> , 2014 , 70, 830-844	2.5	2
18	Optimizing a 3D-FWT Code in a Heterogeneous Cluster of Multicore CPUs and Manycore GPUs 2013 ,		3
17	Optimization Techniques for 3D-FWT on Systems with Manycore GPUs and Multicore CPUs. <i>Procedia Computer Science</i> , 2013 , 18, 319-328	1.6	8
16	CUDA and OpenCL implementations of 3D Fast Wavelet Transform 2012 ,		5
15	The 2D wavelet transform on emerging architectures: GPUs and multicores. <i>Journal of Real-Time Image Processing</i> , 2012 , 7, 145-152	1.9	18
14	Parallel 3D fast wavelet transform on manycore GPUs and multicore CPUs. <i>Procedia Computer Science</i> , 2010 , 1, 1101-1110	1.6	22
13	A lossy 3D wavelet transform for high-quality compression of medical video. <i>Journal of Systems and Software</i> , 2009 , 82, 526-534	3.3	10
12	2009 ,		41
11	An efficient implementation of a 3D wavelet transform based encoder on hyper-threading technology. <i>Parallel Computing</i> , 2007 , 33, 54-72	1	5
10	Reducing 3D Fast Wavelet Transform Execution Time Using Blocking and the Streaming SIMD Extensions. <i>Journal of Signal Processing Systems</i> , 2005 , 41, 209-223		8
9	Reducing 3D wavelet transform execution time through the Streaming SIMD Extensions 2003 ,		5
8	Virtual surgical tele-simulations in ophthalmology. <i>International Congress Series</i> , 2003 , 1256, 145-150		7
7	A virtual surgical telesimulation in micrographic dermatologic surgery (MOHS). <i>International Congress Series</i> , 2003 , 1256, 151-155		2
6	Optimizing a 3D-FWT video encoder for SMPs and HyperThreading architectures		2
5	Memory conscious 3D wavelet transform		8
4	HDNN: a cross-platform MLIR dialect for deep neural networks. <i>Journal of Supercomputing</i> ,1	2.5	0
3	FARMIT: continuous assessment of crop quality using machine learning and deep learning techniques for IoT-based smart farming. <i>Cluster Computing</i> ,1	2.1	1
2	Performance portability in a real world application: PHAST applied to Caffe. <i>International Journal of High Performance Computing Applications</i> ,109434202210771	1.8	

1	Applying Intel® oneAPI to a machine learning case study. <i>Concurrency Computation Practice and Experience</i> ,	1.4	1
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