

# Vicente Galiano

## List of Publications by Year in descending order

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47  
papers

607  
citations

840585

11  
h-index

610775

24  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1017  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Updated Review on Marine Anticancer Compounds: The Use of Virtual Screening for the Discovery of Small-Molecule Cancer Drugs. <i>Molecules</i> , 2017, 22, 1037.	1.7	155
2	Two-Step Linear Least-Squares Method For Photovoltaic Single-Diode Model Parameters Extraction. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 6301-6308.	5.2	125
3	Looking for inhibitors of the dengue virus NS5 RNA-dependent RNA-polymerase using a molecular docking approach. <i>Drug Design, Development and Therapy</i> , 2016, Volume 10, 3163-3181.	2.0	38
4	Oleuropein aglycone in lipid bilayer membranes. A molecular dynamics study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 2849-2858.	1.4	32
5	New Mammalian Target of Rapamycin (mTOR) Modulators Derived from Natural Product Databases and Marine Extracts by Using Molecular Docking Techniques. <i>Marine Drugs</i> , 2018, 16, 385.	2.2	29
6	Influence of meteorological input data on backtrajectory cluster analysis – a seven-year study for southeastern Spain. <i>Advances in Science and Research</i> , 2008, 2, 65-70.	1.0	23
7	Parallel strategies for 2D Discrete Wavelet Transform in shared memory systems and GPUs. <i>Journal of Supercomputing</i> , 2013, 64, 4-16.	2.4	21
8	Feasibility study of portable microwave microstrip open-loop resonator for non-invasive blood glucose level sensing: proof of concept. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 2389-2405.	1.6	19
9	Air mass origin and its influence over the aerosol size distribution: a study in SE Spain. <i>Advances in Science and Research</i> , 2008, 2, 47-52.	1.0	17
10	In-depth analysis of single-diode model parameters from manufacturer’s datasheet. <i>Renewable Energy</i> , 2021, 163, 1370-1384.	4.3	16
11	GPU-based parallel algorithms for sparse nonlinear systems. <i>Journal of Parallel and Distributed Computing</i> , 2012, 72, 1098-1105.	2.7	13
12	Aggregation of 25-hydroxycholesterol in a complex biomembrane. Differences with cholesterol. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183413.	1.4	12
13	Molecular dynamics study of the membrane interaction of a membranotropic dengue virus C protein-derived peptide. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 1283-1294.	2.0	10
14	Discovery of nonnucleoside inhibitors of polymerase from infectious pancreatic necrosis virus (IPNV). <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 2337-2359.	2.0	10
15	Fast 3D wavelet transform on multicore and many-core computing platforms. <i>Journal of Supercomputing</i> , 2013, 65, 848-865.	2.4	8
16	Quick and Accurate Strategy for Calculating the Solutions of the Photovoltaic Single-Diode Model Equation. <i>IEEE Journal of Photovoltaics</i> , 2022, 12, 493-500.	1.5	8
17	The Location of the Protonated and Unprotonated Forms of Arbidol in the Membrane: A Molecular Dynamics Study. <i>Journal of Membrane Biology</i> , 2016, 249, 381-391.	1.0	7
18	Spontaneous membrane insertion of a dengue virus NS2A peptide. <i>Archives of Biochemistry and Biophysics</i> , 2017, 627, 56-66.	1.4	7

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19	Noise-Scaled Euclidean Distance: A Metric for Maximum Likelihood Estimation of the PV Model Parameters. IEEE Journal of Photovoltaics, 2022, 12, 815-826.	1.5	7
20	Distributed memory parallel approaches for HEVC encoder. Journal of Supercomputing, 2017, 73, 164-175.	2.4	6
21	Location of the bioactive pentacyclic triterpene ursolic acid in the membrane. A molecular dynamics study. Journal of Biomolecular Structure and Dynamics, 2017, 35, 2688-2700.	2.0	6
22	Heterogeneous CPU plus GPU approaches for HEVC. Journal of Supercomputing, 2019, 75, 1215-1226.	2.4	5
23	The Association Between the North Atlantic Oscillation and the Interannual Variability of the Tropospheric Transport Pathways in Western Europe. Geophysical Monograph Series, 2013, , 127-142.	0.1	4
24	Performance Overview of the Latest Video Coding Proposals: HEVC, JEM and VVC. Journal of Imaging, 2021, 7, 39.	1.7	4
25	Interfaces for parallel numerical linear algebra libraries in high level languages. Advances in Engineering Software, 2009, 40, 652-658.	1.8	3
26	PyPnetCDF: A high level framework for parallel access to netCDF files. Advances in Engineering Software, 2010, 41, 92-98.	1.8	3
27	Frame-Based and Subpicture-Based Parallelization Approaches of the HEVC Video Encoder. Applied Sciences (Switzerland), 2018, 8, 854.	1.3	3
28	Performance analysis of frame partitioning in parallel HEVC encoders. Journal of Supercomputing, 2017, 73, 543-556.	2.4	2
29	Location, Orientation and Aggregation of Bardoxolone-ME, CDDO-ME, in a Complex Phospholipid Bilayer Membrane. Journal of Membrane Biology, 2020, 253, 115-128.	1.0	2
30	PyACTS: A High-Level Framework for Fast Development of High Performance Applications. , 2006, , 417-425.		2
31	High-Level User Interfaces for the DOE ACTS Collection. , 2006, , 251-259.		2
32	Shared Memory Tile-Based vs Hybrid Memory GOP-Based Parallel Algorithms for HEVC Encoder. Lecture Notes in Computer Science, 2016, , 521-528.	1.0	2
33	Parallel nonlinear preconditioners on multicore architectures. Journal of Supercomputing, 2011, 58, 160-167.	2.4	1
34	GPU-based 3D lower tree wavelet video encoder. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.0	1
35	Enhancing LTW image encoder with perceptual coding and GPU-optimized 2D-DWT transform. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.0	1
36	GPU-based HEVC intra-prediction module. Journal of Supercomputing, 2017, 73, 455-468.	2.4	1

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37	A highly scalable parallel encoder version of the emergent JEM video encoder. Journal of Supercomputing, 2019, 75, 1429-1442.	2.4	1
38	Improving image compression through the use of evolutionary computing algorithms. WIT Transactions on Information and Communication Technologies, 2013, , .	0.0	1
39	PyACTS: A Python Based Interface to ACTS Tools and Parallel Scientific Applications. International Journal of Parallel Programming, 2009, 37, 58-77.	1.1	0
40	Multicore-based 3D-DWT video encoder. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.0	0
41	A Case Study in Distributing a SystemC Model. Lecture Notes in Computer Science, 2009, , 99-106.	1.0	0
42	Benefits of Virtual Worlds in Educational Environments. Advances in Game-based Learning Book Series, 2013, , 305-315.	0.2	0
43	Review of simulations tools for channel coding. WIT Transactions on Information and Communication Technologies, 2013, , .	0.0	0
44	Comment on "Parameter extraction of single-diode photovoltaic module using experimental current-voltage data". International Journal of Circuit Theory and Applications, 2022, 50, 772-773.	1.3	0
45	Load Balancing Strategies for Slice-Based Parallel Versions of JEM Video Encoder. Algorithms, 2021, 14, 320.	1.2	0
46	Speeding Up in Distributed SystemC Simulations. Advances in Soft Computing, 0, , 24-28.	0.4	0
47	GPU-Based Parallel Nonlinear Conjugate Gradient Algorithms. , 0, , .		0