

# Oswaldo Gervasi

## List of Publications by Year in descending order

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Version: 2024-02-01

89  
papers

1,024  
citations

516561

16  
h-index

526166

27  
g-index

100  
all docs

100  
docs citations

100  
times ranked

428  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deploying Efficiently Modern Applications on Cloud. Electronics (Switzerland), 2022, 11, 450.	1.8	5
2	Strategies and System Implementations for Secure Electronic Written Exams. IEEE Access, 2022, 10, 20559-20570.	2.6	3
3	Synthetic Data Generation to Speed-Up the Object Recognition Pipeline. Electronics (Switzerland), 2022, 11, 2.	1.8	13
4	High-performance computing and computational intelligence applications with a multi-chaos perspective. , 2022, , 55-76.		2
5	Deploying Serious Games for Cognitive Rehabilitation. Computers, 2022, 11, 103.	2.1	4
6	IoT to Monitor People Flow in Areas of Public Interest. Lecture Notes in Computer Science, 2021, , 658-672.	1.0	1
7	On the Anatomy of Predictive Models for Accelerating GPU Convolution Kernels and Beyond. Transactions on Architecture and Code Optimization, 2021, 18, 1-24.	1.6	8
8	A New Method for Binary Classification of Proteins with Machine Learning. Lecture Notes in Computer Science, 2021, , 388-397.	1.0	7
9	Implementing a Scalable and Elastic Computing Environment Based on Cloud Containers. Lecture Notes in Computer Science, 2021, , 676-689.	1.0	6
10	Rapid Prototyping of Virtual Reality Cognitive Exercises in a Tele-Rehabilitation Context. Electronics (Switzerland), 2021, 10, 457.	1.8	9
11	Correction to: Computational Science and Its Applications “ ICCSA 2021. Lecture Notes in Computer Science, 2021, , C1-C1.	1.0	1
12	Enhancing Mouth-Based Emotion Recognition Using Transfer Learning. Sensors, 2020, 20, 5222.	2.1	21
13	Skin Cancer Classification Using Inception Network and Transfer Learning. Lecture Notes in Computer Science, 2020, , 536-545.	1.0	10
14	Binary Classification of Proteins by a Machine Learning Approach. Lecture Notes in Computer Science, 2020, , 549-558.	1.0	13
15	Teaching Math with the Help of Virtual Reality. Lecture Notes in Computer Science, 2020, , 799-809.	1.0	12
16	Improvements to the G-Lorep Federation of Learning Object Repositories. Lecture Notes in Computer Science, 2020, , 526-537.	1.0	0
17	Automating facial emotion recognition. Web Intelligence, 2019, 17, 17-27.	0.1	26
18	Mobile Localization Techniques Oriented to Tangible Web. Lecture Notes in Computer Science, 2019, , 118-128.	1.0	2

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19	An Approach for Improving Automatic Mouth Emotion Recognition. Lecture Notes in Computer Science, 2019, , 649-664.	1.0	15
20	Towards a Learning-Based Performance Modeling for Accelerating Deep Neural Networks. Lecture Notes in Computer Science, 2019, , 665-676.	1.0	10
21	Cloud and Local Servers for a Federation of Molecular Science Learning Object Repositories. Lecture Notes in Computer Science, 2019, , 359-373.	1.0	5
22	Hahai: Computational Thinking in Primary Schools. Lecture Notes in Computer Science, 2019, , 287-298.	1.0	3
23	Strategies and systems towards grids and clouds integration:A DBMS-based solution. Future Generation Computer Systems, 2018, 88, 718-729.	4.9	17
24	The ECTN Virtual Education Community Prosumer Model for Promoting and Assessing Chemical Knowledge. Lecture Notes in Computer Science, 2018, , 533-548.	1.0	12
25	Sharing Learning Objects Between Learning Platforms and Repositories. Lecture Notes in Computer Science, 2018, , 804-816.	1.0	2
26	EmEx, a Tool for Automated Emotive Face Recognition Using Convolutional Neural Networks. Lecture Notes in Computer Science, 2017, , 692-704.	1.0	14
27	A DBMS-Based System for Integrating Grids and Clouds. , 2016, , .		1
28	A Method for Predicting Words by Interpreting Labial Movements. Lecture Notes in Computer Science, 2016, , 450-464.	1.0	6
29	A Simulation Framework for Efficient Resource Management on Hybrid Systems. , 2015, , .		1
30	A Brain Computer Interface for Enhancing the Communication of People with Severe Impairment. Lecture Notes in Computer Science, 2014, , 709-721.	1.0	5
31	User Interaction and Data Management for Large Scale Grid Applications. Journal of Grid Computing, 2014, 12, 485-497.	2.5	7
32	Biometrics and Biosecurity. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-3.	3.0	0
33	Ubiquitous Sensor Networks and Its Application. International Journal of Distributed Sensor Networks, 2012, 8, 310271.	1.3	6
34	Generalized Bayesian inference in a fuzzy context: From theory to a virtual reality application. Computational Statistics and Data Analysis, 2012, 56, 967-980.	0.7	23
35	A Simulation Framework for Scheduling Performance Evaluation on CPU-GPU Heterogeneous System. Lecture Notes in Computer Science, 2012, , 457-469.	1.0	14
36	GPU Computing in EGI Environment Using a Cloud Approach. , 2011, , .		9

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37	Special issue on Computational Science and Its Applications. Concurrency Computation Practice and Experience, 2011, 23, 435-435.	1.4	0
38	X3DMMS. , 2011, , .		5
39	A Fault Tolerant Workflow for CPU Demanding Calculations. Lecture Notes in Computer Science, 2011, , 387-396.	1.0	2
40	On the extension of the grid-empowered molecular science simulator: MD and visualisation tools. International Journal of Web and Grid Services, 2010, 6, 141.	0.4	5
41	Nu!RehaVR: virtual reality in neuro tele-rehabilitation of patients with traumatic brain injury and stroke. Virtual Reality, 2010, 14, 131-141.	4.1	34
42	Guest editorsâ€™™ foreword to the second issue on virtual reality in scientific application. Virtual Reality, 2010, 14, 153-153.	4.1	3
43	COMPChem: Progress Towards GEMS a Grid Empowered Molecular Simulator and Beyond. Journal of Grid Computing, 2010, 8, 571-586.	2.5	63
44	Non-Bornâ€™™Oppenheimer MCTDH calculations on the confined H2+ molecular ion. Chemical Physics Letters, 2010, 500, 144-148.	1.2	11
45	A priori molecular virtual reality on EGEE grid. International Journal of Quantum Chemistry, 2010, 110, 446-453.	1.0	8
46	The AES Implantation Based on OpenCL for Multi/many Core Architecture. , 2010, , .		26
47	USABAGILE_Web: A Web Agile Usability Approach for Web Site Design. Lecture Notes in Computer Science, 2010, , 422-431.	1.0	11
48	Porting of GROMACS Package into the Grid Environment: Testing of a New Distribution Strategy. Lecture Notes in Computer Science, 2010, , 41-52.	1.0	3
49	Guest editorsâ€™™™ foreword to the special issue on Virtual Reality in Scientific Application. Virtual Reality, 2009, 13, 219-220.	4.1	1
50	A program for performing exact quantum dynamics calculations using cylindrical polar coordinates: A nanotube application. Computer Physics Communications, 2009, 180, 459-465.	3.0	5
51	Visualization and Web Services for Studying Molecular Properties. , 2009, , .		2
52	Guidelines for Web Usability and Accessibility on the Nintendo Wii. Lecture Notes in Computer Science, 2009, , 19-40.	1.0	10
53	Perception Based Representation of Female Avatar. Lecture Notes in Computer Science, 2008, , 168-180.	1.0	2
54	An X3D Approach to Neuro-Rehabilitation. Lecture Notes in Computer Science, 2008, , 78-90.	1.0	4

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55	Web Usability on the Nintendo Wii Platform. Lecture Notes in Computer Science, 2008, , 105-118.	1.0	1
56	An alternative distribution model for the Molecular Dynamics study of liquid Propane on a grid platform. , 2007, , .		1
57	Quantum dynamics of H atom transmission across carbon nanotubes. Theoretical Chemistry Accounts, 2007, 118, 47-52.	0.5	6
58	On the Structuring of the Computational Chemistry Virtual Organization COMPChem. Lecture Notes in Computer Science, 2006, , 665-674.	1.0	50
59	Immersive Molecular Virtual Reality Based on X3D and Web Services. Lecture Notes in Computer Science, 2006, , 212-221.	1.0	7
60	A Grid Molecular Simulator for E-Science. Lecture Notes in Computer Science, 2005, , 16-22.	1.0	11
61	Virtual Chemical Laboratories and Their Management on the Web. Lecture Notes in Computer Science, 2005, , 905-912.	1.0	5
62	Integrating Learning and Assessment Using the Semantic Web. Lecture Notes in Computer Science, 2005, , 921-927.	1.0	4
63	Virtual Reality Applied to Molecular Sciences. Lecture Notes in Computer Science, 2004, , 827-836.	1.0	6
64	EoL: A Web-Based Distance Assessment System. Lecture Notes in Computer Science, 2004, , 854-862.	1.0	6
65	VMSLab-G: a virtual laboratory prototype for molecular science on the Grid. Future Generation Computer Systems, 2004, 20, 717-726.	4.9	28
66	SIMBEX: a portal for the a priori simulation of crossed beam experiments. Future Generation Computer Systems, 2004, 20, 703-715.	4.9	38
67	Linear Algebra Computation Benchmarks on a Model Grid Platform. Lecture Notes in Computer Science, 2003, , 297-306.	1.0	8
68	A Multiscale Virtual Reality Approach to Chemical Experiments. Lecture Notes in Computer Science, 2003, , 324-330.	1.0	9
69	A prototype of a Problem Solving Environment for an a priori Molecular Simulator on the Grid. Journal of Computational Methods in Sciences and Engineering, 2002, 2, 377-383.	0.1	1
70	Towards a GRID based Portal for an a priori Molecular Simulation of Chemical Reactivity. Lecture Notes in Computer Science, 2002, , 956-965.	1.0	13
71	Networking and Hypermedia in Chemistry. Lecture Notes in Quantum Chemistry II, 2000, , 182-190.	0.3	0
72	Eigensolutions for one-dimensional cuts of bond order potentials. Chemical Physics Letters, 1997, 267, 403-410.	1.2	5

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73	Distributed computing for quantum reactive scattering calculations. AIP Conference Proceedings, 1995, , .	0.3	1
74	From parallel to distributed computing for reactive scattering calculations. International Journal of Quantum Chemistry, 1994, 52, 85-102.	1.0	6
75	Cooperative mechanisms for the H $\hat{+}$ Cl reaction and their significance for the K $\hat{+}$ Cl experiment. Canadian Journal of Chemistry, 1994, 72, 919-927.	0.6	3
76	Where are embarrassingly parallel problems? The atom-diatom quasiclassical reactivity. Theoretica Chimica Acta, 1993, 84, 413-421.	0.9	10
77	A comparison of time $\hat{e}$ pendent and time $\hat{i}$ ndependent quantum reactive scattering $\hat{e}$ Li+HF $\hat{+}$ LiF+H model calculations. Journal of Chemical Physics, 1993, 99, 9567-9584.	1.2	63
78	A massively parallel approach to the quasiclassical reactive scattering. Journal of Mathematical Chemistry, 1992, 11, 1-11.	0.7	3
79	Potential energy representations in the bond order space. Chemical Physics, 1992, 168, 341-348.	0.9	30
80	Reactive Collisional Spectroscopy: Scalar and Vector Information From Numerically Intensive Computing. Laser Chemistry, 1991, 11, 169-175.	0.5	0
81	Parallel calculations of approximate 3D quantum cross sections: the Li + HF reaction. Chemical Physics Letters, 1991, 176, 280-286.	1.2	18
82	Li + HCl RIOSA cross section calculations on parallel computers. Theoretica Chimica Acta, 1991, 79, 191-198.	0.9	13
83	D+D 2 Quasiclassical rate constant calculations on parallel computers. Theoretica Chimica Acta, 1991, 79, 323-333.	0.9	8
84	An approximate three-dimensional quantum-mechanical study of the Li+HF $\hat{+}$ LiF+H reaction. Chemical Physics Letters, 1989, 158, 362-368.	1.2	14
85	A bond-order LiFH potential energy surface for 3D quantum-mechanical calculations. Chemical Physics Letters, 1988, 143, 174-180.	1.2	40
86	Improved infinite order sudden cross sections for the Li+HF reaction. Journal of Chemical Physics, 1988, 89, 7238-7241.	1.2	34
87	A quasiclassical trajectory test for a potential energy surface of the Li+HF reaction. Journal of Chemical Physics, 1982, 77, 6341-6342.	1.2	44
88	A quantum mechanical collinear study of the reactions Li + FX $\hat{+}$ LiF + X (X = H, D, T). Chemical Physics Letters, 1982, 87, 254-258.	1.2	27
89	Learning Mathematics in an Immersive Way. , 0, , .		3