

# Gianluigi Zanetti

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

7,540  
citations

430442

18  
h-index

264894

42  
g-index

73  
all docs

73  
docs citations

73  
times ranked

7881  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prognostic Utility of the Gleason Grading System Revisions and Histopathological Factors Beyond Gleason Grade. <i>Clinical Epidemiology</i> , 2022, Volume 14, 59-70.	1.5	2
2	Interchangeability of light and virtual microscopy for histopathological evaluation of prostate cancer. <i>Scientific Reports</i> , 2021, 11, 3257.	1.6	11
3	TDM Edge Gateway: A Flexible Microservice-Based Edge Gateway Architecture for Heterogeneous Sensors. <i>Lecture Notes in Computer Science</i> , 2020, , 124-135.	1.0	1
4	Estimation of Relative and Absolute Risks in a Competing-Risks Setting Using a Nested Case-Control Study Design: Example From the ProMort Study. <i>American Journal of Epidemiology</i> , 2019, 188, 1165-1173.	1.6	4
5	PhenoMeNal: processing and analysis of metabolomics data in the cloud. <i>GigaScience</i> , 2019, 8, .	3.3	60
6	EEG Spectral Coherence Analysis in Nocturnal Epilepsy. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 2713-2719.	2.5	9
7	Enhancing <i>Reuse</i> of Data and Biological Material in Medical Research: From FAIR to FAIR-Health. <i>Biopreservation and Biobanking</i> , 2018, 16, 97-105.	0.5	71
8	OpenEHR modeling for genomics in clinical practice. <i>International Journal of Medical Informatics</i> , 2018, 120, 147-156.	1.6	17
9	Kafka interfaces for composable streaming genomics pipelines. , 2018, , .		4
10	Transition to congestion in communication/computation networks for near-optimal and sub-optimal resource management via Monte Carlo simulations. <i>Journal of Network and Computer Applications</i> , 2017, 81, 1-11.	5.8	0
11	wft4galaxy: a workflow testing tool for galaxy. <i>Bioinformatics</i> , 2017, 33, 3805-3807.	1.8	4
12	Ultrametricity of optimal transport substates for multiple interacting paths over a square lattice network. <i>Physical Review E</i> , 2017, 95, 030108.	0.8	1
13	The future of metabolomics in ELIXIR. <i>F1000Research</i> , 2017, 6, 1649.	0.8	19
14	The future of metabolomics in ELIXIR. <i>F1000Research</i> , 2017, 6, 1649.	0.8	11
15	A Scalable Data Access Layer to Manage Structured Heterogeneous Biomedical Data. <i>PLoS ONE</i> , 2016, 11, e0168004.	1.1	2
16	Scalable genomics: From raw data to aligned reads on Apache YARN. , 2016, , .		5
17	Critical phenomena in communication/computation networks with various topologies and suboptimal to optimal resource allocation. <i>Journal of Physics: Conference Series</i> , 2015, 574, 012004.	0.3	0
18	SeqPig: simple and scalable scripting for large sequencing data sets in Hadoop. <i>Bioinformatics</i> , 2014, 30, 119-120.	1.8	85

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19	A Hadoop-Galaxy adapter for user-friendly and scalable data-intensive bioinformatics in Galaxy. , 2014, , .		5
20	pyEHR: A scalable clinical data management toolkit for biomedical research projects. , 2014, , .		0
21	Orione, a web-based framework for NGS analysis in microbiology. <i>Bioinformatics</i> , 2014, 30, 1928-1929.	1.8	139
22	BioBlend.objects: metacomputing with Galaxy. <i>Bioinformatics</i> , 2014, 30, 2816-2817.	1.8	10
23	An automated infrastructure to support high-throughput bioinformatics. , 2014, , .		8
24	Lentiviral Hematopoietic Stem Cell Gene Therapy Benefits Metachromatic Leukodystrophy. <i>Science</i> , 2013, 341, 1233-1238.	6.0	998
25	Automated and traceable processing for large-scale high-throughput sequencing facilities. <i>EMBnet Journal</i> , 2013, 19, 23.	0.2	1
26	Scripting for large-scale sequencing based on Hadoop. <i>EMBnet Journal</i> , 2013, 19, 84.	0.2	1
27	7th Workshop on Virtualization in High-Performance Cloud Computing “VHPC2012. <i>Lecture Notes in Computer Science</i> , 2013, , 538-538.	1.0	0
28	SNP genotype calling with MapReduce. , 2012, , .		2
29	OMERO: flexible, model-driven data management for experimental biology. <i>Nature Methods</i> , 2012, 9, 245-253.	9.0	478
30	VHPC 2011: 6th Workshop on Virtualization in High-Performance Cloud Computing. <i>Lecture Notes in Computer Science</i> , 2012, , 385-385.	1.0	0
31	The Seal suite of distributed software for high-throughput sequencing. <i>EMBnet Journal</i> , 2012, 17, 23.	0.2	0
32	Lentiviral vector common integration sites in preclinical models and a clinical trial reflect a benign integration bias and not oncogenic selection. <i>Blood</i> , 2011, 117, 5332-5339.	0.6	201
33	Channeling the data deluge. <i>Nature Methods</i> , 2011, 8, 463-465.	9.0	13
34	SEAL: a distributed short read mapping and duplicate removal tool. <i>Bioinformatics</i> , 2011, 27, 2159-2160.	1.8	117
35	MapReducing a genomic sequencing workflow. , 2011, , .		16
36	VHPC 2010: Fifth Workshop on Virtualization in High-Performance Cloud Computing. <i>Lecture Notes in Computer Science</i> , 2011, , 613-613.	1.0	0

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37	Suspending, migrating and resuming HPC virtual clusters. Future Generation Computer Systems, 2010, 26, 1063-1072.	4.9	20
38	Pydoop. , 2010, , .		35
39	Using Virtual Clusters to Decouple Computation and Data Management in High Throughput Analysis Applications. , 2010, , .		3
40	Scalable Repositories for Virtual Clusters. Lecture Notes in Computer Science, 2010, , 414-423.	1.0	2
41	Biodoop: Bioinformatics on Hadoop. , 2009, , .		32
42	SOA Based Control Plane for Virtual Clusters. Lecture Notes in Computer Science, 2008, , 154-163.	1.0	0
43	An interactive multi-user holographic environment. , 2006, , .		10
44	Vascular Modeling from Volumetric Diagnostic Data: A Review. Current Medical Imaging, 2006, 2, 415-423.	0.4	5
45	Texture analysis for vascular segmentation from CT images. International Congress Series, 2005, 1281, 206-211.	0.2	1
46	Real-Time Haptic and Visual Simulation of Bone Dissection. Presence: Teleoperators and Virtual Environments, 2003, 12, 110-122.	0.3	59
47	3D Reconstruction of Large Tubular Geometries from CT Data. Lecture Notes in Computer Science, 2003, , 132-144.	1.0	2
48	Tracking the Movement of Surgical Tools in a Virtual Temporal Bone Dissection Simulator. Lecture Notes in Computer Science, 2003, , 100-107.	1.0	1
49	A multiprocessor decoupled system for the simulation of temporal bone surgery. Computing and Visualization in Science, 2002, 5, 35-43.	1.2	36
50	Head and Hand Tracking Devices in Virtual Reality. Medical Radiology, 2002, , 287-292.	0.0	1
51	Internet Patient Records: new techniques. Journal of Medical Internet Research, 2001, 3, e8.	2.1	20
52	A Volumetric Virtual Environment for Catheter Insertion Simulation. Eurographics, 2000, , 125-134.	0.4	7
53	Automatic reading of hybridization filter images. Bioinformatics, 1995, 11, 489-495.	1.8	6
54	Modelling Merging and Fragmentation in Multiphase Flows with SURFER. Journal of Computational Physics, 1994, 113, 134-147.	1.9	893

#	ARTICLE	IF	CITATIONS
55	Lattice Boltzmann model of immiscible fluids. <i>Physical Review A</i> , 1991, 43, 4320-4327.	1.0	1,293
56	Counting hydrodynamic modes in lattice gas automata models. <i>Physica D: Nonlinear Phenomena</i> , 1991, 47, 30-35.	1.3	6
57	Lattice Gas Automata: Comparison of Simulation and Theory. <i>NATO ASI Series Series B: Physics</i> , 1990, , 47-55.	0.2	0
58	Scaling of hard thermal turbulence in Rayleigh-B�nard convection. <i>Journal of Fluid Mechanics</i> , 1989, 204, 1.	1.4	929
59	Hydrodynamics of lattice-gas automata. <i>Physical Review A</i> , 1989, 40, 1539-1548.	1.0	86
60	From automata to fluid flow: Comparisons of simulation and theory. <i>Physical Review A</i> , 1989, 40, 4527-4541.	1.0	91
61	Use of the Boltzmann Equation to Simulate Lattice-Gas Automata. <i>Physical Review Letters</i> , 1988, 61, 2332-2335.	2.9	1,677