Alfredo Pulvirenti

List of Publications by Citations

133 papers	**2,879** citations	**29** h-index	**49** g-index
148 ext. papers	**3,443** ext. citations	**5.4** avg, IF	**5.06** L-index

#	Paper	IF	Citations
133	Introduction of gluten, HLA status, and the risk of celiac disease in children. *New England Journal of Medicine*, **2014**, 371, 1295-303	59.2	301
132	Integrated microRNA and mRNA signatures associated with survival in triple negative breast cancer. *PLoS ONE*, **2013**, 8, e55910	3.7	132
131	miRandola: extracellular circulating microRNAs database. *PLoS ONE*, **2012**, 7, e47786	3.7	129
130	Drug-target interaction prediction through domain-tuned network-based inference. *Bioinformatics*, **2013**, 29, 2004-8	7.2	124
129	Celiac disease from a global perspective. *Baillierels Best Practice and Research in Clinical Gastroenterology*, **2015**, 29, 365-79	2.5	108
128	Neutrophil-To-Lymphocyte Ratio: An Emerging Marker Predicting Prognosis in Elderly Adults with Community-Acquired Pneumonia. *Journal of the American Geriatrics Society*, **2017**, 65, 1796-1801	5.6	83
127	The neurology of coeliac disease in childhood: what is the evidence? A systematic review and meta-analysis. *Developmental Medicine and Child Neurology*, **2010**, 52, 700-7	3.3	80
126	A subgraph isomorphism algorithm and its application to biochemical data. *BMC Bioinformatics*, **2013**, 14 Suppl 7, S13	3.6	77
125	miRa miRNA knowledge base. *Database: the Journal of Biological Databases and Curation*, **2009**, 2009, bap008	5	77
124	Prediction of human population responses to toxic compounds by a collaborative competition. *Nature Biotechnology*, **2015**, 33, 933-40	44.5	70
123	Cellular and molecular effects of protons: apoptosis induction and potential implications for cancer therapy. *Apoptosis: an International Journal on Programmed Cell Death*, **2006**, 11, 57-66	5.4	66
122	Enhancing density-based clustering: Parameter reduction and outlier detection. *Information Systems*, **2013**, 38, 317-330	2.7	63
121	NetMatch: a Cytoscape plugin for searching biological networks. *Bioinformatics*, **2007**, 23, 910-2	7.2	62
120	Acute disseminated encephalomyelitis: a long-term prospective study and meta-analysis. *Neuropediatrics*, **2010**, 41, 246-55	1.6	59
119	SIGMA: a set-cover-based inexact graph matching algorithm. *Journal of Bioinformatics and Computational Biology*, **2010**, 8, 199-218	1	49
118	Tools and collaborative environments for bioinformatics research. *Briefings in Bioinformatics*, **2011**, 12, 549-61	13.4	46
117	Neutrophil-to-Lymphocyte Ratio is a strong predictor of atherosclerotic carotid plaques in older adults. *Nutrition, Metabolism and Cardiovascular Diseases*, **2018**, 28, 23-27	4.5	45

116	miRandola 2017: a curated knowledge base of non-invasive biomarkers. *Nucleic Acids Research*, **2018**, 46, D354-D359	20.1	44
115	Prevalence and natural history of potential celiac disease in at-family-risk infants prospectively investigated from birth. *Journal of Pediatrics*, **2012**, 161, 908-14	3.6	44
114	Variability in the incidence of miRNAs and genes in fragile sites and the role of repeats and CpG islands in the distribution of genetic material. *PLoS ONE*, **2010**, 5, e11166	3.7	43
113	GSK-3 Induced Tau pathology drives hippocampal neuronal cell death in Huntington's disease: involvement of astrocyte-neuron interactions. *Cell Death and Disease*, **2016**, 7, e2206	9.8	40
112	ncPred: ncRNA-Disease Association Prediction through Tripartite Network-Based Inference. *Frontiers in Bioengineering and Biotechnology*, **2014**, 2, 71	5.8	39
111	. *IEEE Transactions on Knowledge and Data Engineering*, **2005**, 17, 535-550	4.2	36
110	SING: subgraph search in non-homogeneous graphs. *BMC Bioinformatics*, **2010**, 11, 96	3.6	34
109	Clustering and classification of infrasonic events at Mount Etna using pattern recognition techniques. *Geophysical Journal International*, **2011**, 185, 253-264	2.6	33
108	Extracellular circulating viral microRNAs: current knowledge and perspectives. *Frontiers in Genetics*, **2013**, 4, 120	4.5	32
107	Re-challenge Studies in Non-celiac Gluten Sensitivity: A Systematic Review and Meta-Analysis. *Frontiers in Physiology*, **2017**, 8, 621	4.6	31
106	A novel computational method for inferring competing endogenous interactions. *Briefings in Bioinformatics*, **2017**, 18, 1071-1081	13.4	31
105	DT-Web: a web-based application for drug-target interaction and drug combination prediction through domain-tuned network-based inference. *BMC Systems Biology*, **2015**, 9 Suppl 3, S4	3.5	30
104	Geo-Epidemiology of Age-Related Macular Degeneration: New Clues Into the Pathogenesis. *American Journal of Ophthalmology*, **2016**, 161, 78-93.e1-2	4.9	29
103	POOLED ESTIMATES OF INCIDENCE OF ENDOPHTHALMITIS AFTER INTRAVITREAL INJECTION OF ANTI-VASCULAR ENDOTHELIAL GROWTH FACTOR AGENTS WITH AND WITHOUT TOPICAL ANTIBIOTIC PROPHYLAXIS. *Retina*, **2018**, 38, 1-11	3.6	29
102	miR-Synth: a computational resource for the design of multi-site multi-target synthetic miRNAs. *Nucleic Acids Research*, **2014**, 42, 5416-25	20.1	28
101	Risk of acute stroke in patients with retinal artery occlusion: a systematic review and meta-analysis. *Eye*, **2020**, 34, 683-689	4.4	26
100	Internal limiting membrane peeling versus no peeling during primary vitrectomy for rhegmatogenous retinal detachment: A systematic review and meta-analysis. *PLoS ONE*, **2018**, 13, e0201010	2.7	25
99	Recommendation Techniques for Drug-Target Interaction Prediction and Drug Repositioning. *Methods in Molecular Biology*, **2016**, 1415, 441-62	1.4	24

98	Network-Based Drug Repositioning: Approaches, Resources, and Research Directions. *Methods in Molecular Biology*, **2019**, 1903, 97-113	1.4	24
97	Intracellular and extracellular miRNome deregulation in cellular models of NAFLD or NASH: Clinical implications. *Nutrition, Metabolism and Cardiovascular Diseases*, **2016**, 26, 1129-1139	4.5	23
96	miR-EdiTar: a database of predicted A-to-I edited miRNA target sites. *Bioinformatics*, **2012**, 28, 3166-8	7.2	23
95	Post-transcriptional knowledge in pathway analysis increases the accuracy of phenotypes classification. *Oncotarget*, **2016**, 7, 54572-54582	3.3	23
94	A Subset of Patients With Autism Spectrum Disorders Show a Distinctive Metabolic Profile by Dried Blood Spot Analyses. *Frontiers in Psychiatry*, **2018**, 9, 636	5	23
93	A knowledge base for the discovery of function, diagnostic potential and drug effects on cellular and extracellular miRNAs. *BMC Genomics*, **2014**, 15 Suppl 3, S4	4.5	21
92	GASOLINE: a Greedy And Stochastic algorithm for optimal Local multiple alignment of Interaction NEtworks. *PLoS ONE*, **2014**, 9, e98750	3.7	21
91	Comprehensive reconstruction and visualization of non-coding regulatory networks in human. *Frontiers in Bioengineering and Biotechnology*, **2014**, 2, 69	5.8	20
90	Helicobacter pylori infection and atopic diseases: is there a relationship? A systematic review and meta-analysis. *World Journal of Gastroenterology*, **2014**, 20, 17635-47	5.6	20
89	Identification of tRNA-derived ncRNAs in TCGA and NCI-60 panel cell lines and development of the public database tRFexplorer. *Database: the Journal of Biological Databases and Curation*, **2019**, 2019,	5	20
88	Detecting Disease Specific Pathway Substructures through an Integrated Systems Biology Approach. *Non-coding RNA*, **2017**, 3,	7.1	18
87	GRAPES: a software for parallel searching on biological graphs targeting multi-core architectures. *PLoS ONE*, **2013**, 8, e76911	3.7	18
86	Prediction of human targets for viral-encoded microRNAs by thermodynamics and empirical constraints. *Journal of Rnai and Gene Silencing*, **2010**, 6, 379-85		18
85	Mode of Delivery and Risk of Celiac Disease: Risk of Celiac Disease and Age at Gluten Introduction Cohort Study. *Journal of Pediatrics*, **2017**, 184, 81-86.e2	3.6	17
84	Diathermy of leaking sclerotomies after 23-gauge transconjunctival pars plana vitrectomy: a prospective study. *Retina*, **2013**, 33, 939-45	3.6	17
83	Computational design of artificial RNA molecules for gene regulation. *Methods in Molecular Biology*, **2015**, 1269, 393-412	1.4	16
82	OCDB: a database collecting genes, miRNAs and drugs for obsessive-compulsive disorder. *Database: the Journal of Biological Databases and Curation*, **2015**, 2015, bav069	5	15
81	Enhancing Graph Database Indexing by Suffix Tree Structure. *Lecture Notes in Computer Science*, **2010**, 195-203	0.9	14

80	Long-Term Outcome of Potential Celiac Disease in Genetically at-Risk Children: The Prospective CELIPREV Cohort Study. *Journal of Clinical Medicine*, **2019**, 8,	5.1	13
79	A knowledge base for Vitis vinifera functional analysis. *BMC Systems Biology*, **2015**, 9 Suppl 3, S5	3.5	13
78	NetMatchStar: an enhanced Cytoscape network querying app. *F1000Research*, **2015**, 4, 479	3.6	13
77	MIDClass: microarray data classification by association rules and gene expression intervals. *PLoS ONE*, **2013**, 8, e69873	3.7	13
76	Risk of Death Associated With Intravitreal Anti-Vascular Endothelial Growth Factor Therapy: A Systematic Review and Meta-analysis. *JAMA Ophthalmology*, **2020**, 138, 50-57	3.9	13
75	Fast analytical methods for finding significant labeled graph motifs. *Data Mining and Knowledge Discovery*, **2018**, 32, 504-531	5.6	12
74	Knowledge in the Investigation of A-to-I RNA Editing Signals. *Frontiers in Bioengineering and Biotechnology*, **2015**, 3, 18	5.8	12
73	GraphFind: enhancing graph searching by low support data mining techniques. *BMC Bioinformatics*, **2008**, 9 Suppl 4, S10	3.6	12
72	Intravitreal anti-vascular endothelial growth factors, panretinal photocoagulation and combined treatment for proliferative diabetic retinopathy: a systematic review and network meta-analysis. *Acta Ophthalmologica*, **2021**, 99, e795-e805	3.7	12
71	Motif Discovery on Seismic Amplitude Time Series: The Case Study of Mt Etna 2011 Eruptive Activity. *Pure and Applied Geophysics*, **2013**, 170, 529-545	2.2	11
70	SPECTRA: An Integrated Knowledge Base for Comparing Tissue and Tumor-Specific PPI Networks in Human. *Frontiers in Bioengineering and Biotechnology*, **2015**, 3, 58	5.8	11
69	Current Knowledge and Computational Techniques for Grapevine Meta-Omics Analysis. *Frontiers in Plant Science*, **2017**, 8, 2241	6.2	10
68	VIRGO: visualization of A-to-I RNA editing sites in genomic sequences. *BMC Bioinformatics*, **2013**, 14 Suppl 7, S5	3.6	9
67	Disentangling Restrictive and Repetitive Behaviors and Social Impairments in Children and Adolescents with Gilles de la Tourette Syndrome and Autism Spectrum Disorder. *Brain Sciences*, **2020**, 10,	3.4	8
66	An Efficient Approximate Algorithm for the 1-Median Problem in Metric Spaces. *SIAM Journal on Optimization*, **2005**, 16, 434-451	2	8
65	GASOLINE: a Cytoscape app for multiple local alignment of PPI networks. *F1000Research*, **2014**, 3, 140	3.6	8
64	NetMatchStar: an enhanced Cytoscape network querying app. *F1000Research*, **2015**, 4, 479	3.6	8
63	APPAGATO: an APproximate PArallel and stochastic GrAph querying TOol for biological networks. *Bioinformatics*, **2016**, 32, 2159-66	7.2	8

62	Multilocus sequence typing analysis of Italian Xanthomonas campestris pv. campestris strains suggests the evolution of local endemic populations of the pathogen and does not correlate with race distribution. *Plant Pathology*, **2019**, 68, 278-287	2.8	8
61	GASOLINE: a Cytoscape app for multiple local alignment of PPI networks. *F1000Research*, **2014**, 3, 140	3.6	7
60	Ex Machina: Analytical platforms, Law and the Challenges of Computational Legal Science. *Future Internet*, **2018**, 10, 37	3.3	6
59	Exploring the role of interdisciplinarity in physics: Success, talent and luck. *PLoS ONE*, **2019**, 14, e0218793	3.7	6
58	Elucidating the role of microRNAs in cancer through data mining techniques. *Advances in Experimental Medicine and Biology*, **2013**, 774, 291-315	3.6	6
57	In vitro and in silico cloning of Xenopus laevis SOD2 cDNA and its phylogenetic analysis. *DNA and Cell Biology*, **2005**, 24, 111-6	3.6	6
56	BitCube: A Bottom-Up Cubing Engineering. *Lecture Notes in Computer Science*, **2009**, 189-203	0.9	6
55	A benchmarking of pipelines for detecting ncRNAs from RNA-Seq data. *Briefings in Bioinformatics*, **2020**, 21, 1987-1998	13.4	6
54	B-type natriuretic peptide may predict prognosis in older adults admitted with a diagnosis other than heart failure. *Nutrition, Metabolism and Cardiovascular Diseases*, **2018**, 28, 636-642	4.5	5
53	Best-match retrieval for structured images. *IEEE Transactions on Pattern Analysis and Machine Intelligence*, **2001**, 23, 707-718	13.3	5
52	An Efficient Duplicate Record Detection Using q-Grams Array Inverted Index. *Lecture Notes in Computer Science*, **2010**, 309-323	0.9	5
51	Computational Methods to Investigate the Impact of miRNAs on Pathways. *Methods in Molecular Biology*, **2019**, 1970, 183-209	1.4	4
50	Electrocardiographic Evaluation in Patients With Spinal Muscular Atrophy: A Case-Control Study. *Journal of Child Neurology*, **2018**, 33, 487-492	2.5	4
49	Mining and ranking of generalized multi-dimensional frequent subgraphs **2017**,		4
48	A pilot study on neurological manifestations and antibodies against antigens in children with hematological and other cancers. *European Journal of Paediatric Neurology*, **2013**, 17, 97-101	3.8	4
47	Obstacles constrained group mobility models in event-driven wireless networks with movable base stations. *Ad Hoc Networks*, **2011**, 9, 400-417	4.8	4
46	Involvement of GTA protein NC2beta in neuroblastoma pathogenesis suggests that it physiologically participates in the regulation of cell proliferation. *Molecular Cancer*, **2008**, 7, 52	42.1	4
45	Sequence similarity is more relevant than species specificity in probabilistic backtranslation. *BMC Bioinformatics*, **2007**, 8, 58	3.6	4

44	Genomics, evolution, and expression of TBPL2, a member of the TBP family. *DNA and Cell Biology*, **2007**, 26, 369-85	3.6	4
43	FAST CLUSTERING AND MINIMUM WEIGHT MATCHING ALGORITHMS FOR VERY LARGE MOBILE BACKBONE WIRELESS NETWORKS. *International Journal of Foundations of Computer Science*, **2003**, 14, 223-236	0.6	4
42	VECTOR: An Integrated Correlation Network Database for the Identification of CeRNA Axes in Uveal Melanoma. *Genes*, **2021**, 12,	4.2	4
41	PHENSIM: Phenotype Simulator. *PLoS Computational Biology*, **2021**, 17, e1009069	5	4
40	Clinical characteristics and predictors of death among hospitalized patients infected with SARS-CoV-2 in Sicily, Italy: A retrospective observational study.. *Biomedical Reports*, **2022**, 16, 34	1.8	4
39	Treat and extend versus fixed regimen in neovascular age related macular degeneration: A systematic review and meta-analysis. *European Journal of Ophthalmology*, **2021**, 31, 2496-2504	1.9	3
38	Endogenous and artificial miRNAs explore a rich variety of conformations: a potential relationship between secondary structure and biological functionality. *Scientific Reports*, **2020**, 10, 453	4.9	3
37	Proteins comparison through probabilistic optimal structure local alignment. *Frontiers in Genetics*, **2014**, 5, 302	4.5	3
36	New approaches in hepatitis B vaccination for celiac disease. *Immunotherapy*, **2014**, 6, 945-52	3.8	3
35	Circulating Noncoding RNAs as Clinical Biomarkers **2016**, 239-258		3
34	TemporalRI: A Subgraph Isomorphism Algorithm for Temporal Networks. *Studies in Computational Intelligence*, **2021**, 675-687	0.8	3
33	Fast Subgraph Matching Strategies Based on Pattern-Only Heuristics. *Interdisciplinary Sciences, Computational Life Sciences*, **2019**, 11, 21-32	3.5	2
32	Infant feeding pattern, HLA status, and prevalence of celiac disease. *Digestive and Liver Disease*, **2014**, 46, e75-e76	3.3	2
31	Multiple-Winners Randomized Tournaments with Consensus for Optimization Problems in Generic Metric Spaces. *Lecture Notes in Computer Science*, **2005**, 265-276	0.9	2
30	NETME: on-the-fly knowledge network construction from biomedical literature.. *Applied Network Science*, **2022**, 7, 1	2.9	2
29	Novel Mechanisms of Tumor Promotion by the Insulin Receptor Isoform A in Triple-Negative Breast Cancer Cells. *Cells*, **2021**, 10,	7.9	2
28	Bioinformatics Approach to Mitigate Mislabeling in EU Seafood Market and Protect Consumer Health. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	2
27	INBIA: a boosting methodology for proteomic network inference. *BMC Bioinformatics*, **2018**, 19, 188	3.6	2

#	Title	IF	Cites
26	Fast methods for finding significant motifs on labelled multi-relational networks. *Journal of Complex Networks*, **2019**, 7, 817-837	1.7	1
25	Bioinformatics in Italy: BITS 2012, the ninth annual meeting of the Italian Society of Bioinformatics. *BMC Bioinformatics*, **2013**, 14 Suppl 7, S1	3.6	1
24	Involvement of GTA protein NC2beta in Neuroblastoma pathogenesis suggests that it physiologically participates in the regulation of cell proliferation. *Molecular Cancer*, **2008**, 7, 59	42.1	1
23	Distributed antipole clustering for efficient data search and management in Euclidean and metric spaces **2006**,		1
22	Locally sensitive backtranslation based on multiple sequence alignment		1
21	Simple Pattern-only Heuristics Lead to Fast Subgraph Matching Strategies on Very Large Networks. *Advances in Intelligent Systems and Computing*, **2019**, 131-138	0.4	1
20	PHENSIM: Phenotype Simulator		1
19	Establish the Expected Number of Injective Motifs on Unlabeled Graphs Through Analytical Models. *Studies in Computational Intelligence*, **2020**, 255-267	0.8	1
18	Establish the expected number of induced motifs on unlabeled graphs through analytical models. *Applied Network Science*, **2020**, 5,	2.9	1
17	Rapid Identification of Druggable Targets and the Power of the PHENotype SIMulator for Effective Drug Repurposing in COVID-19 **2021**,		1
16	"Diagnosis on the Dock" project: A proactive screening program for diagnosing pulmonary tuberculosis in disembarking refugees and new SEI model. *International Journal of Infectious Diseases*, **2021**, 106, 98-104	10.5	1
15	RNAdetector: a free user-friendly stand-alone and cloud-based system for RNA-Seq data analysis. *BMC Bioinformatics*, **2021**, 22, 298	3.6	1
14	TACITuS: transcriptomic data collector, integrator, and selector on big data platform. *BMC Bioinformatics*, **2019**, 20, 366	3.6	1
13	Computational Resources for the Interpretation of Variations in Cancer.. *Advances in Experimental Medicine and Biology*, **2022**, 1361, 177-198	3.6	1
12	Computational Methods for Drug Repurposing.. *Advances in Experimental Medicine and Biology*, **2022**, 1361, 119-141	3.6	1
11	KAOS: a new automated computational method for the identification of overexpressed genes. *BMC Bioinformatics*, **2016**, 17, 340	3.6	0
10	Efficient Techniques for Graph Searching and Biological Network Mining. *Advances in Data Mining and Database Management Book Series*,89-111	0.6	
9	Efficient Boundary Values Generation in General Metric Spaces for Software Component Testing. *Lecture Notes in Computer Science*, **2003**, 318-331	0.9	

LIST OF PUBLICATIONS

8	Clustered Trie Structures for Approximate Search in Hierarchical Objects Collections. *Lecture Notes in Computer Science*, **2005**, 63-70	0.9
7	MySQL Data Mining: Extending MySQL to Support Data Mining Primitives (Demo). *Lecture Notes in Computer Science*, **2010**, 438-444	0.9
6	Reply To: Neutrophil to Lymphocyte Ratio As a Risk Stratification Tool for Older Adults with Pneumonia. *Journal of the American Geriatrics Society*, **2018**, 66, 418-420	5.6
5	Genetic Alteration of MicroRNA Affecting Cancer Pathways **2018**, 269-287	
4	Psychopathological outcomes and defence mechanisms in clinically healed adults with a paediatric cancer history: an exploratory study. *Annals of General Psychiatry*, **2021**, 34, e100307	5.3
3	Pathway Analysis for Cancer Research and Precision Oncology Applications.. *Advances in Experimental Medicine and Biology*, **2022**, 1361, 143-161	3.6
2	MODIT: MOtif DIscovery in Temporal Networks.. *Frontiers in Big Data*, **2021**, 4, 806014	2.8
1	BioTAGME: A Comprehensive Platform for Biological Knowledge Network Analysis.. *Frontiers in Genetics*, **2022**, 13, 855739	4.5