

Pierangelo Veltri

List of Publications by Year in descending order

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Version: 2024-02-01

154
papers

1,790
citations

304743

22
h-index

361022

35
g-index

160
all docs

160
docs citations

160
times ranked

1554
citing authors

#	ARTICLE	IF	CITATIONS
1	Adult cardiac stem cells are multipotent and robustly myogenic: c-kit expression is necessary but not sufficient for their identification. <i>Cell Death and Differentiation</i> , 2017, 24, 2101-2116.	11.2	131
2	Protein-to-protein interactions. <i>ACM Computing Surveys</i> , 2010, 43, 1-36.	23.0	122
3	Kitcre knock-in mice fail to fate-map cardiac stem cells. <i>Nature</i> , 2018, 555, E1-E5.	27.8	79
4	The XML web. , 2003, , .		70
5	A peroxisome proliferator-activated receptor gamma (PPARG) polymorphism is associated with zoledronic acid-related osteonecrosis of the jaw in multiple myeloma patients: analysis by DMET microarray profiling. <i>British Journal of Haematology</i> , 2011, 154, 529-533.	2.5	69
6	Toward an accurate prediction of inter-residue distances in proteins using 2D recursive neural networks. <i>BMC Bioinformatics</i> , 2014, 15, 6.	2.6	51
7	Atrial myxomas arise from multipotent cardiac stem cells. <i>European Heart Journal</i> , 2020, 41, 4332-4345.	2.2	51
8	Studying the XML Web: Gathering Statistics from an XML Sample. <i>World Wide Web</i> , 2005, 8, 413-438.	4.0	42
9	Melanoma Detection by Means of Multiple Instance Learning. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2020, 12, 24-31.	3.6	42
10	H-Ferritin Affects Cisplatin-Induced Cytotoxicity in Ovarian Cancer Cells through the Modulation of ROS. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-13.	4.0	41
11	Microfluidic device for continuous single cells analysis via Raman spectroscopy enhanced by integrated plasmonic nanodimers. <i>Optics Express</i> , 2016, 24, A180.	3.4	38
12	Data science in unveiling COVID-19 pathogenesis and diagnosis: evolutionary origin to drug repurposing. <i>Briefings in Bioinformatics</i> , 2021, 22, 855-872.	6.5	38
13	Views in a large-scale XML repository. <i>VLDB Journal</i> , 2002, 11, 238-255.	4.1	37
14	Methodologies of speech analysis for neurodegenerative diseases evaluation. <i>International Journal of Medical Informatics</i> , 2019, 122, 45-54.	3.3	34
15	Intelligent healthcare informatics in big data era. <i>Artificial Intelligence in Medicine</i> , 2015, 65, 75-77.	6.5	32
16	An extensive assessment of network alignment algorithms for comparison of brain connectomes. <i>BMC Bioinformatics</i> , 2017, 18, 235.	2.6	32
17	A time series approach for clustering mass spectrometry data. <i>Journal of Computational Science</i> , 2012, 3, 344-355.	2.9	31
18	Deep Learning Techniques for Electronic Health Record Analysis. , 2018, , .		30

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19	IMPRECO: Distributed prediction of protein complexes. Future Generation Computer Systems, 2010, 26, 434-440.	7.5	29
20	SIGMCC: A system for sharing meta patient records in a Peer-to-Peer environment. Future Generation Computer Systems, 2008, 24, 222-234.	7.5	28
21	Melanoma detection using color and texture features in computer vision systems. Advances in Science, Technology and Engineering Systems, 2019, 4, 16-22.	0.5	28
22	Image pre-processing in computer vision systems for melanoma detection. , 2018, , .		26
23	Reduction in Global Myocardial Glucose Metabolism in Subjects With 1-Hour Postload Hyperglycemia and Impaired Glucose Tolerance. Diabetes Care, 2020, 43, 669-676.	8.6	25
24	A framework for the atrial fibrillation prediction in electrophysiological studies. Computer Methods and Programs in Biomedicine, 2015, 120, 65-76.	4.7	23
25	Exploiting the molecular basis of age and gender differences in outcomes of SARS-CoV-2 infections. Computational and Structural Biotechnology Journal, 2021, 19, 4092-4100.	4.1	23
26	A proteomics approach to identify changes in protein profiles in serum of Familial Adenomatous Polyposis patients. Cancer Letters, 2008, 272, 40-52.	7.2	22
27	On the Usefulness of Pre-Processing Step in Melanoma Detection Using Multiple Instance Learning. Lecture Notes in Computer Science, 2019, , 374-382.	1.3	22
28	On the use of Networks in Biomedicine. Procedia Computer Science, 2017, 110, 498-503.	2.0	19
29	Features for Melanoma Lesions Characterization in Computer Vision Systems. , 2018, , .		18
30	Algorithms and tools for analysis and management of mass spectrometry data. Briefings in Bioinformatics, 2007, 9, 144-155.	6.5	17
31	Using ontologies for querying and analysing protein-protein interaction data. Procedia Computer Science, 2010, 1, 997-1004.	2.0	17
32	Automatic summarisation and annotation of microarray data. Soft Computing, 2011, 15, 1505-1512.	3.6	17
33	Methodologies for the analysis and classification of PET neuroimages. Network Modeling Analysis in Health Informatics and Bioinformatics, 2013, 2, 191-208.	2.1	17
34	On the Analysis of Diseases and Their Related Geographical Data. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 228-237.	6.3	17
35	Vocal signal analysis in patients affected by Multiple Sclerosis. Procedia Computer Science, 2017, 108, 1205-1214.	2.0	17
36	MS-Analyzer: preprocessing and data mining services for proteomics applications on the Grid. Concurrency Computation Practice and Experience, 2007, 19, 2047-2066.	2.2	16

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37	On the reliability of measurements for a stent positioning simulation system. International Journal of Medical Informatics, 2019, 123, 23-28.	3.3	16
38	PROTEUS: a Bioinformatics Problem Solving Environment on Grids. Parallel Processing Letters, 2004, 14, 217-237.	0.6	15
39	Improving protein secondary structure predictions by prediction fusion. Information Fusion, 2009, 10, 217-232.	19.1	15
40	Experiences on quantitative cardiac PET analysis. , 2016, , .		15
41	On a recent algorithm for multiple instance learning. Preliminary applications in image classification. , 2017, , .		15
42	On the Classification of EEG Signal by Using an SVM Based Algorithm. Smart Innovation, Systems and Technologies, 2018, , 271-278.	0.6	15
43	In vitro CSC-derived cardiomyocytes exhibit the typical microRNA-mRNA blueprint of endogenous cardiomyocytes. Communications Biology, 2021, 4, 1146.	4.4	15
44	Signal Analysis for Voice Evaluation in Parkinsonâ€™s Disease. , 2017, , .		14
45	Spatio-Temporal Resource Mapping for Intensive Care Units at Regional Level for COVID-19 Emergency in Italy. International Journal of Environmental Research and Public Health, 2020, 17, 3344.	2.6	14
46	Pattern Discovery in Multilayer Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, 19, 741-752.	3.0	13
47	An m-health system for the estimation of voice disorders. , 2015, , .		12
48	PCN-Miner: an open-source extensible tool for the analysis of Protein Contact Networks. Bioinformatics, 2022, 38, 4235-4237.	4.1	11
49	The EIpeptiDi tool: enhancing peptide discovery in ICAT-based LC MS/MS experiments. BMC Bioinformatics, 2007, 8, 255.	2.6	10
50	INTEGRO: an algorithm for data-integration and disease-gene association. , 2018, , .		10
51	A framework for the decomposition and features extraction from lung DICOM images. , 2018, , .		10
52	Calculation of Intracoronary Pressure-Based Indexes with JLabChart. Applied Sciences (Switzerland), 2022, 12, 3448.	2.5	10
53	Metabolic Syndrome Is Associated With Impaired Insulin-Stimulated Myocardial Glucose Metabolic Rate in Individuals With Type 2 Diabetes: A Cardiac Dynamic 18F-FDG-PET Study. Frontiers in Cardiovascular Medicine, 0, 9, .	2.4	10
54	A Grid Environment for High-Throughput Proteomics. IEEE Transactions on Nanobioscience, 2007, 6, 117-123.	3.3	8

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55	A Multi-Task Framework for Monitoring Health Conditions via Attention-based Recurrent Neural Networks. AMIA ... Annual Symposium proceedings, 2017, 2017, 1665-1674.	0.2	8
56	Design and Implementation of a Telecardiology System for Mobile Devices. Interdisciplinary Sciences, Computational Life Sciences, 2015, 7, 266-274.	3.6	7
57	Voice signal features analysis and classification. , 2015, , .		7
58	Hippocampal BOLD response during category learning predicts subsequent performance on transfer generalization. Human Brain Mapping, 2014, 35, 3122-3131.	3.6	6
59	Model and Application to Support the Coronary Artery Diseases (CAD): Development and Testing. Interdisciplinary Sciences, Computational Life Sciences, 2020, 12, 50-58.	3.6	6
60	A System for the Analysis of Snore Signals. Procedia Computer Science, 2011, 4, 1101-1108.	2.0	5
61	MODULA: A network module based local protein interaction network alignment method. , 2015, , .		5
62	GIDAC: A prototype for bioimages annotation and clinical data integration. , 2016, , .		5
63	Parallel and Cloud-Based Analysis of Omics Data: Modelling and Simulation in Medicine. , 2017, , .		5
64	On discovering relevant features for tongue colored image analysis. , 2019, , .		5
65	Studying neonatal TSH distribution by using GIS. , 2012, , .		4
66	Methods and Techniques for miRNA Data Analysis. Methods in Molecular Biology, 2015, 1375, 11-23.	0.9	4
67	On the identification of long non-coding RNAs from RNA-seq. , 2016, , .		4
68	Applying Mining Techniques to Analyze Vestibular Data. Procedia Computer Science, 2016, 98, 467-472.	2.0	4
69	Geoblood: A Web Based Tool for Geo-analysis of Biological Data. Procedia Computer Science, 2016, 98, 473-478.	2.0	4
70	Computational Methods for Detecting Functional Modules from Gene Regulatory Network. , 2016, , .		4
71	Tracking agricultural products for wellness care. , 2018, , .		4
72	Regional Resource Assessment During the COVID-19 Pandemic in Italy: Modeling Study. JMIR Medical Informatics, 2021, 9, e18933.	2.6	4

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73	A General Architecture for Grid-Based PSE Toolkits. Lecture Notes in Computer Science, 2006, , 656-664.	1.3	4
74	Using dual-network-analyser for communities detecting in dual networks. BMC Bioinformatics, 2021, 22, 614.	2.6	4
75	MS-Analyzer: Intelligent Preprocessing, Management, and Data Mining Analysis of Mass Spectrometry Data on the Grid. , 2005, , .		3
76	MaSDA: A system for analyzing mass spectrometry data. Computer Methods and Programs in Biomedicine, 2009, 95, S12-S21.	4.7	3
77	AutoSPET: An SPM plugin to automatize neuroimages PET analysis. Interdisciplinary Sciences, Computational Life Sciences, 2013, 5, 225-232.	3.6	3
78	A system for ubiquitous distributed acquisition of voice alteration samples through a mobile application. , 2014, , .		3
79	Management and Analysis of Biological and Clinical Data: How Computer Science May Support Biomedical and Clinical Research. Physics Procedia, 2015, 62, 29-35.	1.2	3
80	A noise-aware methodology for a Mobile Voice Screening application. , 2015, , .		3
81	mEEG: A system for electroencephalogram data management and analysis. , 2017, , .		3
82	An Innovative Framework for Bioimage Annotation and Studies. Interdisciplinary Sciences, Computational Life Sciences, 2018, 10, 544-557.	3.6	3
83	Software Tools for Medical Imaging Extended Abstract. Communications in Computer and Information Science, 2018, , 297-304.	0.5	3
84	Thresholding of Semantic Similarity Networks Using a Spectral Graph-Based Technique. Lecture Notes in Computer Science, 2014, , 201-213.	1.3	3
85	Clinical data annotation for parotid neoplasia management. , 2021, , .		3
86	MSPtool: A Versatile Tool for Mass Spectrometry Data Preprocessing. , 2008, , .		2
87	A Tool for the Semiautomatic Acquisition of the Morphological Data of Blood Vessel Networks. , 2008, , .		2
88	Using ontologies for annotating and retrieving protein-protein interactions data. , 2009, , .		2
89	Experimental comparison of biclustering algorithms for PPI networks. , 2010, , .		2
90	Using RDF for managing protein-protein interaction data. , 2010, , .		2

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91	Health risk assessment of zoonotic infections agents through plant products in areas with high livestock pressure. , 2012, , .		2
92	Assessment of G-quadruplex Prediction Tools. , 2014, , .		2
93	High-performance data structures for de novo assembly of genomes. , 2016, , .		2
94	Feature Selection Model for Diagnosis, Electronic Medical Records and Geographical Data Correlation. , 2016, , .		2
95	Data mining techniques for vestibular data classification. International Journal of Internet Technology and Secured Transactions, 2017, 7, 51.	0.4	2
96	VOTA - A Vocal Tract and Training Analysis Tool. , 2018, , .		2
97	Towards Heterogeneous Network Alignment: Design and Implementation of a Large-Scale Data Processing Framework. Lecture Notes in Computer Science, 2019, , 692-703.	1.3	2
98	Functional module extraction by ensembling the ensembles of selective module detectors. International Journal of Computational Biology and Drug Design, 2019, 12, 345.	0.3	2
99	Biological Databases. , 2014, , 431-440.		2
100	A Novel Algorithm for Local Network Alignment Based on Network Embedding. Applied Sciences (Switzerland), 2022, 12, 5403.	2.5	2
101	SpecDB: A Database for Storing and Managing Mass Spectrometry Proteomics Data. Lecture Notes in Computer Science, 2006, , 236-245.	1.3	1
102	myMCL: A Web Portal for Protein Complexes Prediction. , 2008, , .		1
103	Cartesio: A Software Tool for Pre-implant Stent Analyses. Lecture Notes in Computer Science, 2009, , 810-818.	1.3	1
104	VeNet: A framework for the analysis of protein interaction networks through vector space embedding. , 2011, , .		1
105	Experimental evaluation of OntoPIN. , 2011, , .		1
106	A system for acquiring and management of ECG signals by using mobile devices. , 2012, , .		1
107	Unraveling multiple miRNA-mRNA associations through a graph-based approach. , 2012, , .		1
108	OntoPIN: An ontology-annotated PPI database. Interdisciplinary Sciences, Computational Life Sciences, 2013, 5, 187-195.	3.6	1

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109	Using open data in health care and tourism. , 2013, , .		1
110	A system for geoanalysis of clinical and geographical data. , 2014, , .		1
111	An Architecture for Integrating Genetic and Clinical Data. Procedia Computer Science, 2014, 29, 1959-1969.	2.0	1
112	LiSE: A Personal Booklet for Health Care Annotation. , 2015, , .		1
113	Using miRNA-Analyzer for the Analysis of miRNA Data. Microarrays (Basel, Switzerland), 2016, 5, 29.	1.4	1
114	G-quadruplex Structure Prediction and integration in the GenData2020 data model. , 2016, , .		1
115	Using Graphs to Relate Patient's Clinical and Geographical Data.. Procedia Computer Science, 2017, 110, 448-452.	2.0	1
116	Development and testing of the application based on coronary artery diseases (CAD). , 2017, , .		1
117	On the use of mining techniques to analyse human papilloma virus dataset. , 2018, , .		1
118	Modeling and application of aorta coarctation: support system for pre-operative decision. , 2018, , .		1
119	On Blood Viscosity and Its Correlation with Biological Parameters. Lecture Notes in Computer Science, 2018, , 347-353.	1.3	1
120	Information Retrieval in Life Sciences. , 2019, , 1104-1108.		1
121	Protein Structure Metapredictors. , 2013, , 1781-1785.		1
122	An Extension of the TIGR M4 Suite to Preprocess and Visualize Affymetrix Binary Files. Lecture Notes in Computer Science, 2009, , 265-274.	1.3	1
123	PROTEIN SECONDARY STRUCTURE PREDICTION: HOW TO IMPROVE ACCURACY BY INTEGRATION. , 2006, , .		1
124	Using Views to Query XML Documents. , 2005, , 729-735.		1
125	J-TM Align: Efficient Comparison of Protein Structure Based on TMAAlign. Current Bioinformatics, 2013, 8, 220-225.	1.5	1
126	Annotations for clinical data enrichment. , 2021, , .		1

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127	Semantic extraction and adaptive delivery of multimedia contents for the cultural assets. , 2007, , .		0
128	StiMaRe: A software tool supporting visual stimuli definition and analysis in magnetic resonance. , 2009, , .		0
129	A device for stent designing in emodynamic surgery room. , 2009, , .		0
130	Using semantic similarity to detect features in yeast protein complexes. , 2011, , .		0
131	Modularity and community detection in Semantic Similarity Networks trough Spectral Based Transformation and Markov Clustering. , 2013, , .		0
132	Study on Squeaking Hip Analysis. , 2014, , .		0
133	Relating Clinical Diagnosis and Biological Analytes via EMRs Clustering. , 2014, , .		0
134	An R-based tool for miRNA data analysis and correlation with clinical ontologies. , 2014, , .		0
135	Annotation and retrieval in protein interaction databases. European Physical Journal Plus, 2014, 129, 1.	2.6	0
136	Using SSN-Analyzer for analysis of semantic similarity networks. Network Modeling Analysis in Health Informatics and Bioinformatics, 2015, 4, 1.	2.1	0
137	ICT Solutions for Health Education Model. , 2015, , .		0
138	Associating Genomics and Clinical Information by Means of Semantic Based Ranking. , 2017, , .		0
139	Development of a DSS for cardiovascular prevention and rehabilitation. , 2017, , .		0
140	Network based algorithms for module extraction from RNASeq data: A quantitative assessment. , 2017, , .		0
141	On the Use of Voice Signals for Studying Sclerosis Disease. Computers, 2017, 6, 30.	3.3	0
142	A Voice-Aware System for Vocal Wellness. , 2018, , .		0
143	SL-GLAlign. , 2018, , .		0
144	Mathematical Theories in the Era of Big Data. Mathematical Problems in Engineering, 2019, 2019, 1-2.	1.1	0

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145	Using Dual Networks for the Integration of Clinical and Biological Data.. , 2019, , .		0
146	IMPREGO: A Tool for Improving the Prediction of Protein Complexes. Lecture Notes in Computer Science, 2008, , 148-157.	1.3	0
147	Management and Analysis of Mass Spectrometry Proteomics Data on the Grid. , 2009, , 206-227.		0
148	Experimental Evaluation of Protein Secondary Structure Predictors. Lecture Notes in Computer Science, 2009, , 848-857.	1.3	0
149	Distributed Data Management. , 2013, , 603-604.		0
150	A New ICT Based Model for Wellness and Health Care. Smart Innovation, Systems and Technologies, 2016, , 243-252.	0.6	0
151	Database Community and Health Related Data: Experiences Through the Last Decade. Studies in Big Data, 2018, , 473-487.	1.1	0
152	Guest Editorial Innovative Data Analysis Methods for Biomedicine. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 4066-4067.	6.3	0
153	A framework for clinical data integration and annotation for decision support. , 2021, , .		0
154	A Tool for clinical data annotation of parotid neoplasia. , 2021, , .		0