Marco Pellegrini

List of Publications by Year
in descending order

77 papers	1,485 citations	394421 19 h-index	414414 32 g-index
87 all docs	87 docs citations	87 times ranked	1925 citing authors

#	Article	IF	Citations
1	Accurate prediction of breast cancer survival through coherent voting networks with gene expression profiling. Scientific Reports, 2021, 11, 14645.	3.3	3
2	Drug repositioning by merging active subnetworks validated in cancer and COVID-19. Scientific Reports, 2021, 11, 19839.	3.3	6
3	miR-182-5p is an evolutionarily conserved Tbx5 effector that impacts cardiac development and electrical activity in zebrafish. Cellular and Molecular Life Sciences, 2020, 77, 3215-3229.	5.4	12
4	Finding disease modules for cancer and COVID-19 in gene co-expression networks with the Core&Peel method. Scientific Reports, 2020, 10, 17628.	3.3	6
5	The miR-28-5p Targetome Discovery Identified SREBF2 as One of the Mediators of the miR-28-5p Tumor Suppressor Activity in Prostate Cancer Cells. Cells, 2020, 9, 354.	4.1	21
6	A Transcriptional Study of Oncogenes and Tumor Suppressors Altered by Copy Number Variations in Ovarian Cancer. Smart Innovation, Systems and Technologies, 2020, , 159-169.	0.6	0
7	Community Detection in Biological Networks. , 2019, , 978-987.		5
8	Identification of Disease–miRNA Networks Across Different Cancer Types Using SWIM. Methods in Molecular Biology, 2019, 1970, 169-181.	0.9	5
9	Systematic evaluation of the microRNAome through miR-CATCHv2.0 identifies positive and negative regulators of <i>BRAF</i>-X1 mRNA. RNA Biology, 2019, 16, 865-878.	3.1	10
10	Editorial: Network Bioscience. Frontiers in Genetics, 2019, 10, 1160.	2.3	3
11	<i>Dot2dot</i>: accurate whole-genome tandem repeats discovery. Bioinformatics, 2019, 35, 914-922.	4.1	13
12	Fetal cardiac growth is associated with in utero gut colonization. Nutrition, Metabolism and Cardiovascular Diseases, 2019, 29, 170-176.	2.6	10
13	miRandola 2017: a curated knowledge base of non-invasive biomarkers. Nucleic Acids Research, 2018, 46, D354-D359.	14.5	61
14	Interplay Between Long Noncoding RNAs and MicroRNAs in Cancer. Methods in Molecular Biology, 2018, 1819, 75-92.	0.9	34
15	A Census of Tandemly Repeated Polymorphic Loci in Genic Regions Through the Comparative Integration of Human Genome Assemblies. Frontiers in Genetics, 2018, 9, 155.	2.3	9
16	MicroRNAs, Regulatory Networks, and Comorbidities: Decoding Complex Systems. Methods in Molecular Biology, 2017, 1580, 281-295.	0.9	2
17	The Prostate Cancer Cells Resistant to Docetaxel as in vitro Model for Discovering MicroRNAs Predictive of the Onset of Docetaxel Resistance. International Journal of Molecular Sciences, 2017, 18, 1512.	4.1	7
18	The miRNA Pull Out Assay as a Method to Validate the miR-28-5p Targets Identified in Other Tumor Contexts in Prostate Cancer. International Journal of Genomics, 2017, 2017, 1-7.	1.6	9

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19	Discovering the miR-26a-5p Targetome in Prostate Cancer Cells. Journal of Cancer, 2017, 8, 2729-2739.	2.5	21
20	Context-dependent miR-204 and miR-211 affect the biological properties of amelanotic and melanotic melanoma cells. Oncotarget, 2017, 8, 25395-25417.	1.8	64
21	Circulating Noncoding RNAs as Clinical Biomarkers. , 2016, , 239-258.		4
22	Discovering miRNA Regulatory Networks in Holt–Oram Syndrome Using a Zebrafish Model. Frontiers in Bioengineering and Biotechnology, 2016, 4, 60.	4.1	16
23	Editorial: Repetitive Structures in Biological Sequences: Algorithms and Applications. Frontiers in Bioengineering and Biotechnology, 2016, 4, 66.	4.1	0
24	Protein complex prediction for large protein protein interaction networks with the Core&Peel method. BMC Bioinformatics, 2016, 17, 372.	2.6	38
25	Enhanced copy number variants detection from whole-exome sequencing data using EXCAVATOR2. Nucleic Acids Research, 2016, 44, gkw695.	14.5	75
26	MicroRNA 19a replacement partially rescues fin and cardiac defects in zebrafish model of Holt Oram syndrome. Scientific Reports, 2015, 5, 18240.	3.3	21
27	Alkaline Phosphatase-Positive Immortal Mouse Embryo Fibroblasts Are Cells in a Transitional Reprogramming State Induced to Face Environmental Stresses. Genetics & Epigenetics, 2015, 7, GEG.S27696.	2.5	1
28	Tandem Repeats in Proteins: Prediction Algorithms and Biological Role. Frontiers in Bioengineering and Biotechnology, 2015, 3, 143.	4.1	23
29	A New Method for Discovering Disease-Specific MiRNA-Target Regulatory Networks. PLoS ONE, 2015, 10, e0122473.	2.5	9
30	Identification of BRAF 3′UTR Isoforms in Melanoma. Journal of Investigative Dermatology, 2015, 135, 1694-1697.	0.7	12
31	CMStalker: A Combinatorial Tool for Composite Motif Discovery. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2015, 12, 1123-1136.	3.0	1
32	From Literature to Knowledge: Exploiting PubMed to Answer Biomedical Questions in Natural Language. Lecture Notes in Computer Science, 2015, , 3-15.	1.3	2
33	CNVScan. , 2015, , .		0
34	A knowledge base for the discovery of function, diagnostic potential and drug effects on cellular and extracellular miRNAs. BMC Genomics, 2014, 15, S4.	2.8	25
35	Fast Exact and Approximate Computation of Betweenness Centrality in Social Networks. Lecture Notes in Social Networks, 2014, , 53-73.	0.1	2
36	A New Framework for Distilling Higher Quality Information from Health Data via Social Network Analysis. , 2013, , .		6

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37	CMF: A Combinatorial Tool to Find Composite Motifs. Lecture Notes in Computer Science, 2013, , 196-208.	1.3	1
38	Fast Exact Computation of betweenness Centrality in Social Networks. , 2012, , .		33
39	Ab initio detection of fuzzy amino acid tandem repeats in protein sequences. BMC Bioinformatics, 2012, 13, S8.	2.6	24
40	Tandem repeats discovery service (TReaDS) applied to finding novel cis-acting factors in repeat expansion diseases. BMC Bioinformatics, 2012, 13, S3.	2.6	10
41	Detecting fuzzy amino acid tandem repeats in protein sequences. , 2011, , .		0
42	Medium sized crawling made fast and easy through Lumbricus webis. , 2011, , .		2
43	STIMO: STIll and MOving video storyboard for the web scenario. Multimedia Tools and Applications, 2010, 46, 47-69.	3.9	214
44	TRStalker: an efficient heuristic for finding fuzzy tandem repeats. Bioinformatics, 2010, 26, i358-i366.	4.1	42
45	On the Benefits of Keyword Spreading in Sponsored Search Auctions: An Experimental Analysis. Lecture Notes in Business Information Processing, 2010, , 158-171.	1.0	4
46	K-Boost: A Scalable Algorithm for High-Quality Clustering of Microarray Gene Expression Data. Journal of Computational Biology, 2009, 16, 859-873.	1.6	15
47	Extraction and classification of dense implicit communities in the Web graph. ACM Transactions on the Web, 2009, 3, 1-36.	2.5	45
48	An Efficient Combinatorial Approach for Solving the DNA Motif Finding Problem. , 2009, , .		1
49	SpeedHap: An Accurate Heuristic for the Single Individual SNP Haplotyping Problem with Many Gaps, High Reading Error Rate and Low Coverage. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2008, 5, 492-502.	3.0	28
50	Efficient IP table lookup via adaptive stratified trees with selective reconstructions. Journal of Experimental Algorithmics, 2008, 12, 1-28.	1.0	0
51	AMIC@: All MIcroarray Clusterings @ once. Nucleic Acids Research, 2008, 36, W315-W319.	14.5	8
52	On Using Clustering Algorithms to Produce Video Abstracts for the Web Scenario. , 2008, , .		15
53	Dynamic User-Defined Similarity Searching in Semi-Structured Text Retrieval. , 2008, , .		2
54	Extraction and classification of dense communities in the web. , 2007, , .		143

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55	VISTO. , 2007, , .		27
56	Faster deterministic wakeup in multiple access channels. Discrete Applied Mathematics, 2007, 155, 898-903.	0.9	10
57	Georoy: A location-aware enhancement to Viceroy peer-to-peer algorithm. Computer Networks, 2007, 51, 1998-2014.	5.1	20
58	FPF-SB: A Scalable Algorithm for Microarray Gene Expression Data Clustering. Lecture Notes in Computer Science, 2007, , 606-615.	1.3	6
59	A Fast and Accurate Heuristic for the Single Individual SNP Haplotyping Problem with Many Gaps, High Reading Error Rate and Low Coverage. Lecture Notes in Computer Science, 2007, , 49-60.	1.3	6
60	Cluster Generation and Labeling for Web Snippets: A Fast, Accurate Hierarchical Solution. Internet Mathematics, 2006, 3, 413-443.	0.7	23
61	A scalable algorithm for high-quality clustering of web snippets. , 2006, , .		18
62	Faster Deterministic Wakeup in Multiple Access Channels. Lecture Notes in Computer Science, 2005, , 196-204.	1.3	1
63	On computing the diameter of a point set in high dimensional Euclidean space. Theoretical Computer Science, 2002, 287, 501-514.	0.9	5
64	On Numerical Approximation of Electrostatic Energy in 3D. Journal of Computational Physics, 1998, 146, 707-725.	3.8	13
65	Electrostatic fields without singularities. Journal of the ACM, 1998, 45, 924-964.	2.2	2
66	On counting pairs of intersecting segments and off-line triangle range searching. Algorithmica, 1997, 17, 380-398.	1.3	25
67	Monte carlo approximation of form factors with error bounded a priori. Discrete and Computational Geometry, 1997, 17, 319-337.	0.6	6
68	On Point Location and Motion Planning among Simplices. SIAM Journal on Computing, 1996, 25, 1061-1081.	1.0	5
69	On lines missing polyhedral sets in 3-space. Discrete and Computational Geometry, 1994, 12, 203-221.	0.6	10
70	On Collision-Free Placements of Simplices and the Closest Pair of Lines in 3-Space. SIAM Journal on Computing, 1994, 23, 133-153.	1.0	7
71	Lower bounds on stabbing lines in 3-space. Computational Geometry: Theory and Applications, 1993, 3, 53-58.	0.5	5
72	Ray shooting on triangles in 3-space. Algorithmica, 1993, 9, 471-494.	1.3	39

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73	On the zone of a surface in a hyperplane arrangement. Discrete and Computational Geometry, 1993, 9, 177-186.	0.6	47
74	Counting Circular Arc Intersections. SIAM Journal on Computing, 1993, 22, 778-793.	1.0	14
75	Finding stabbing lines in 3-space. Discrete and Computational Geometry, 1992, 8, 191-208.	0.6	20
76	Ray-shooting and isotopy classes of lines in 3-dimensional space. , 1991, , 20-31.		7
77	A Framework to Evaluate Information Quality in Public Administration Website. Pacific Asia Journal of the Association for Information Systems, 0, , 25-42.	0.7	0