Luciano Milanesi

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

225	4,046	32	51
papers	citations	h-index	g-index
273	4,957	4.8	5.09
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
225	Durum wheat genome highlights past domestication signatures and future improvement targets. *Nature Genetics*, **2019**, 51, 885-895	36.3	289
224	Methods for the integration of multi-omics data: mathematical aspects. *BMC Bioinformatics*, **2016**, 17 Suppl 2, 15	3.6	208
223	Blood microRNA changes in depressed patients during antidepressant treatment. *European Neuropsychopharmacology*, **2013**, 23, 602-11	1.2	163
222	Analysis of donor splice sites in different eukaryotic organisms. *Journal of Molecular Evolution*, **1997** , 45, 50-9	3.1	135
221	Presence of ATG triplets in 5' untranslated regions of eukaryotic cDNAs correlates with a 'weak' context of the start codon. *Bioinformatics*, **2001**, 17, 890-900	7.2	118
220	Evaluation of BioCreAtIvE assessment of task 2. *BMC Bioinformatics*, **2005**, 6 Suppl 1, S16	3.6	82
219	Multiclass HCV resistance to direct-acting antiviral failure in real-life patients advocates for tailored second-line therapies. *Liver International*, **2017**, 37, 514-528	7.9	71
218	Association study on long-living individuals from Southern Italy identifies rs10491334 in the CAMKIV gene that regulates survival proteins. *Rejuvenation Research*, **2011**, 14, 283-91	2.6	68
217	A multilevel data integration resource for breast cancer study. *BMC Systems Biology*, **2010**, 4, 76	3.5	67
216	Systematic analysis of human kinase genes: a large number of genes and alternative splicing events result in functional and structural diversity. *BMC Bioinformatics*, **2005**, 6 Suppl 4, S20	3.6	56
215	Osteogenic Differentiation of MSC through Calcium Signaling Activation: Transcriptomics and Functional Analysis. *PLoS ONE*, **2016**, 11, e0148173	3.7	56
214	GeneBuilder: interactive in silico prediction of gene structure. *Bioinformatics*, **1999**, 15, 612-21	7.2	52
213	Specific patterns of PIWI-interacting small noncoding RNA expression in dysplastic liver nodules and hepatocellular carcinoma. *Oncotarget*, **2016**, 7, 54650-54661	3.3	51
212	Environment, dysbiosis, immunity and sex-specific susceptibility: a translational hypothesis for regressive autism pathogenesis. *Nutritional Neuroscience*, **2015**, 18, 145-61	3.6	44
211	Calcium kidney stones are associated with a haplotype of the calcium-sensing receptor gene regulatory region. *Nephrology Dialysis Transplantation*, **2010**, 25, 2245-52	4.3	43
210	Molecular mechanism of allosteric communication in Hsp70 revealed by molecular dynamics simulations. *PLoS Computational Biology*, **2012**, 8, e1002844	5	43
209	Decreased transcriptional activity of calcium-sensing receptor gene promoter 1 is associated with calcium nephrolithiasis. *Journal of Clinical Endocrinology and Metabolism*, **2013**, 98, 3839-47	5.6	42

208	RSSsite: a reference database and prediction tool for the identification of cryptic Recombination Signal Sequences in human and murine genomes. *Nucleic Acids Research*, **2010**, 38, W262-7	20.1	42
207	Methylation and sequence analysis around EagI sites: identification of 28 new CpG islands in XQ24-XQ28. *Nucleic Acids Research*, **1992**, 20, 727-33	20.1	42
206	Inhibition of histone methyltransferase DOT1L silences ER□gene and blocks proliferation of antiestrogen-resistant breast cancer cells. *Science Advances*, **2019**, 5, eaav5590	14.3	37
205	Strategies for comparing gene expression profiles from different microarray platforms: application to a case-control experiment. *Analytical Biochemistry*, **2006**, 353, 43-56	3.1	37
204	Transposable Element Insertions in Long Intergenic Non-Coding RNA Genes. *Frontiers in Bioengineering and Biotechnology*, **2015**, 3, 71	5.8	36
203	The nuclear receptor ER□engages AGO2 in regulation of gene transcription, RNA splicing and RISC loading. *Genome Biology*, **2017**, 18, 189	18.3	35
202	Myosin-binding protein C DNA variants in domestic cats (A31P, A74T, R820W) and their association with hypertrophic cardiomyopathy. *Journal of Veterinary Internal Medicine*, **2013**, 27, 275-85	3.1	35
201	Towards a systems biology approach to mammalian cell cycle: modeling the entrance into S phase of quiescent fibroblasts after serum stimulation. *BMC Bioinformatics*, **2009**, 10 Suppl 12, S16	3.6	35
200	The subclass approach for mutational spectrum analysis: application of the SEM algorithm. *Journal of Theoretical Biology*, **1998**, 192, 475-87	2.3	35
199	Systems biology of the metabolic network regulated by the Akt pathway. *Biotechnology Advances*, **2012**, 30, 131-41	17.8	34
198	Genome and Phenotype Microarray Analyses of Rhodococcus sp. BCP1 and Rhodococcus opacus R7: Genetic Determinants and Metabolic Abilities with Environmental Relevance. *PLoS ONE*, **2015**, 10, e0139467	3.7	34
197	Assessment and comparison of three scatter correction techniques in single photon emission computed tomography. *Journal of Nuclear Medicine*, **1988**, 29, 1971-9	8.9	33
196	Homology modeling in tandem with 3D-QSAR analyses: a computational approach to depict the agonist binding site of the human CB2 receptor. *European Journal of Medicinal Chemistry*, **2011**, 46, 4489-505	6.8	32
195	Fine mapping of AHI1 as a schizophrenia susceptibility gene: from association to evolutionary evidence. *FASEB Journal*, **2010**, 24, 3066-82	0.9	32
194	ESTree db: a tool for peach functional genomics. *BMC Bioinformatics*, **2005**, 6 Suppl 4, S16	3.6	28
193	Phenotype microarray analysis may unravel genetic determinants of the stress response by Rhodococcus aetherivorans BCP1 and Rhodococcus opacus R7. *Research in Microbiology*, **2016**, 167, 766-773	4	28
192	New insights into selective PDE4D inhibitors: 3-(Cyclopentyloxy)-4-methoxybenzaldehyde O-(2-(2,6-dimethylmorpholino)-2-oxoethyl) oxime (GEBR-7b) structural development and promising activities to restore memory impairment. *European Journal of Medicinal Chemistry*, **2016**, 124, 82-102	6.8	27
191	Systems medicine of inflammaging. *Briefings in Bioinformatics*, **2016**, 17, 527-40	13.4	27

190	Study on the Association among Mycotoxins and other Variables in Children with Autism. *Toxins*, **2017**, 9,	4.9	27
189	Serum BPIFB4 levels classify health status in long-living individuals. *Immunity and Ageing*, **2015**, 12, 27	9.7	27
188	NuChart: an R package to study gene spatial neighbourhoods with multi-omics annotations. *PLoS ONE*, **2013**, 8, e75146	3.7	26
187	The exon-intron organization of the human X-linked gene (FLN1) encoding actin-binding protein 280. *Genomics*, **1994**, 21, 71-6	4.3	25
186	Classification and Personalized Prognostic Assessment on the Basis of Clinical and Genomic Features in Myelodysplastic Syndromes. *Journal of Clinical Oncology*, **2021**, 39, 1223-1233	2.2	25
185	An atomistic view of Hsp70 allosteric crosstalk: from the nucleotide to the substrate binding domain and back. *Scientific Reports*, **2016**, 6, 23474	4.9	24
184	DnaK as Antibiotic Target: Hot Spot Residues Analysis for Differential Inhibition of the Bacterial Protein in Comparison with the Human HSP70. *PLoS ONE*, **2015**, 10, e0124563	3.7	24
183	Molecular interaction studies of HIV-1 matrix protein p17 and heparin: identification of the heparin-binding motif of p17 as a target for the development of multitarget antagonists. *Journal of Biological Chemistry*, **2013**, 288, 1150-61	5.4	24
182	Homology modeling, docking studies and molecular dynamic simulations using graphical processing unit architecture to probe the type-11 phosphodiesterase catalytic site: a computational approach for the rational design of selective inhibitors. *Chemical Biology and Drug Design*, **2013**, 82, 718-31	2.9	24
181	ProCMD: a database and 3D web resource for protein C mutants. *BMC Bioinformatics*, **2007**, 8 Suppl 1, S11	3.6	24
180	Biowep: a workflow enactment portal for bioinformatics applications. *BMC Bioinformatics*, **2007**, 8 Suppl 1, S19	3.6	24
179	Medical informatics and bioinformatics: a bibliometric study. *IEEE Transactions on Information Technology in Biomedicine*, **2007**, 11, 237-43		24
178	Network diffusion-based analysis of high-throughput data for the detection of differentially enriched modules. *Scientific Reports*, **2016**, 6, 34841	4.9	24
177	Static and dynamic interactions between GALK enzyme and known inhibitors: guidelines to design new drugs for galactosemic patients. *European Journal of Medicinal Chemistry*, **2013**, 63, 423-34	6.8	23
176	Grid-enabled high-throughput in silico screening against influenza A neuraminidase. *IEEE Transactions on Nanobioscience*, **2006**, 5, 288-95	3.4	23
175	Reconstructing networks of pathways via significance analysis of their intersections. *BMC Bioinformatics*, **2008**, 9 Suppl 4, S9	3.6	22
174	A data integration approach for cell cycle analysis oriented to model simulation in systems biology. *BMC Systems Biology*, **2007**, 1, 35	3.5	22
173	A novel polymorphism in SEL1L confers susceptibility to Alzheimer's disease. *Neuroscience Letters*, **2006**, 398, 53-8	3.3	22

172	myMIR: a genome-wide microRNA targets identification and annotation tool. *Briefings in Bioinformatics*, **2011**, 12, 588-600	13.4	21
171	Version VI of the ESTree db: an improved tool for peach transcriptome analysis. *BMC Bioinformatics*, **2008**, 9 Suppl 2, S9	3.6	21
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169	LAV-BPIFB4 isoform modulates eNOS signalling through Ca2+/PKC-alpha-dependent mechanism. *Cardiovascular Research*, **2017**, 113, 795-804	9.9	20
168	SNPranker 2.0: a gene-centric data mining tool for diseases associated SNP prioritization in GWAS. *BMC Bioinformatics*, **2013**, 14 Suppl 1, S9	3.6	20
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134	A hybrid genetic-neural system for predicting protein secondary structure. *BMC Bioinformatics*, **2005**, 6 Suppl 4, S3	3.6	14
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128	A sentence sliding window approach to extract protein annotations from biomedical articles. *BMC Bioinformatics*, **2005**, 6 Suppl 1, S19	3.6	13
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93	Genome Sequence of Rhodococcus sp. Strain BCP1, a Biodegrader of Alkanes and Chlorinated Compounds. *Genome Announcements*, **2013**, 1,		7
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