

# Mauro A Castro

## List of Publications by Year in descending order

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Version: 2024-02-01

68

papers

5,344

citations

257450

24

h-index

98798

67

g-index

73

all docs

73

docs citations

73

times ranked

8998

citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive Molecular Characterization of Muscle-Invasive Bladder Cancer. Cell, 2017, 171, 540-556.e25.	28.9	1,742
2	The chromatin accessibility landscape of primary human cancers. Science, 2018, 362, .	12.6	781
3	A Consensus Molecular Classification of Muscle-invasive Bladder Cancer. European Urology, 2020, 77, 420-433.	1.9	741
4	Master regulators of FGFR2 signalling and breast cancer risk. Nature Communications, 2013, 4, 2464.	12.8	180
5	Regulators of genetic risk of breast cancer identified by integrative network analysis. Nature Genetics, 2016, 48, 12-21.	21.4	163
6	Cholinergic Differentiation of Human Neuroblastoma SH-SY5Y Cell Line and Its Potential Use as an In vitro Model for Alzheimer's Disease Studies. Molecular Neurobiology, 2019, 56, 7355-7367.	4.0	118
7	RedeR: R/Bioconductor package for representing modular structures, nested networks and multiple levels of hierarchical associations.. Genome Biology, 2012, 13, R29.	9.6	91
8	Identification of Differential Tumor Subtypes of T1 Bladder Cancer. European Urology, 2020, 78, 533-537.	1.9	77
9	CFL1 expression levels as a prognostic and drug resistance marker in nonsmall cell lung cancer. Cancer, 2010, 116, 3645-3655.	4.1	61
10	miRNA-21 and miRNA-34a Are Potential Minimally Invasive Biomarkers for the Diagnosis of Pancreatic Ductal Adenocarcinoma. Pancreas, 2016, 45, 84-92.	1.1	56
11	ER Binding by Transcription Factors NFIB and YBX1 Enables FGFR2 Signaling to Modulate Estrogen Responsiveness in Breast Cancer. Cancer Research, 2018, 78, 410-421.	0.9	55
12	An Analysis of the Global Expression of MicroRNAs in an Experimental Model of Physiological Left Ventricular Hypertrophy. PLoS ONE, 2014, 9, e93271.	2.5	53
13	Gompertzian growth pattern correlated with phenotypic organization of colon carcinoma, malignant glioma and non-small cell lung carcinoma cell lines. Cell Proliferation, 2003, 36, 65-73.	5.3	49
14	FGFR2 risk SNPs confer breast cancer risk by augmenting oestrogen responsiveness. Carcinogenesis, 2016, 37, 741-750.	2.8	48
15	ViaComplex: software for landscape analysis of gene expression networks in genomic context. Bioinformatics, 2009, 25, 1468-1469.	4.1	47
16	Integrated Transcriptomics Establish Macrophage Polarization Signatures and have Potential Applications for Clinical Health and Disease. Scientific Reports, 2015, 5, 13351.	3.3	46
17	A systematic review of human antioxidant genes. Frontiers in Bioscience - Landmark, 2009, Volume, 4457.	3.0	38
18	RA Differentiation Enhances Dopaminergic Features, Changes Redox Parameters, and Increases Dopamine Transporter Dependency in 6-Hydroxydopamine-Induced Neurotoxicity in SH-SY5Y Cells. Neurotoxicity Research, 2017, 31, 545-559.	2.7	37

#	ARTICLE	IF	CITATIONS
19	Long non-coding RNAs identify a subset of luminal muscle-invasive bladder cancer patients with favorable prognosis. <i>Genome Medicine</i> , 2019, 11, 60.	8.2	36
20	Unraveling Immune-Related lncRNAs in Breast Cancer Molecular Subtypes. <i>Frontiers in Oncology</i> , 2021, 11, 692170.	2.8	34
21	Cannabidiol Exposure During Neuronal Differentiation Sensitizes Cells Against Redox-Active Neurotoxins. <i>Molecular Neurobiology</i> , 2015, 52, 26-37.	4.0	30
22	Validation of cofilin-1 as a biomarker in non-small cell lung cancer: application of quantitative method in a retrospective cohort. <i>Journal of Cancer Research and Clinical Oncology</i> , 2011, 137, 1309-1316.	2.5	29
23	Differential expression of transcriptional regulatory units in the prefrontal cortex of patients with bipolar disorder: potential role of early growth response gene 3. <i>Translational Psychiatry</i> , 2016, 6, e805-e805.	4.8	28
24	Towards a genome-wide transcriptogram: the <i>Saccharomyces cerevisiae</i> case. <i>Nucleic Acids Research</i> , 2011, 39, 3005-3016.	14.5	25
25	Impaired expression of NER gene network in sporadic solid tumors. <i>Nucleic Acids Research</i> , 2007, 35, 1859-1867.	14.5	24
26	High cofilin-1 levels correlate with cisplatin resistance in lung adenocarcinomas. <i>Tumor Biology</i> , 2014, 35, 1233-1238.	1.8	22
27	Profiling cytogenetic diversity with entropy-based karyotypic analysis. <i>Journal of Theoretical Biology</i> , 2005, 234, 487-495.	1.7	21
28	<i>RTNsurvival</i> : an R/Bioconductor package for regulatory network survival analysis. <i>Bioinformatics</i> , 2019, 35, 4488-4489.	4.1	21
29	Evolutionary origins of human apoptosis and genome-stability gene networks. <i>Nucleic Acids Research</i> , 2008, 36, 6269-6283.	14.5	20
30	Potential crosstalk between cofilin-1 and EGFR pathways in cisplatin resistance of non-small-cell lung cancer. <i>Oncotarget</i> , 2015, 6, 3531-3539.	1.8	20
31	Posterior Association Networks and Functional Modules Inferred from Rich Phenotypes of Gene Perturbations. <i>PLoS Computational Biology</i> , 2012, 8, e1002566.	3.2	18
32	Whole-genome characterization of lung adenocarcinomas lacking alterations in the RTK/RAS/RAF pathway. <i>Cell Reports</i> , 2021, 34, 108707.	6.4	16
33	AKT3 Expression in Mesenchymal Colorectal Cancer Cells Drives Growth and Is Associated with Epithelial-Mesenchymal Transition. <i>Cancers</i> , 2021, 13, 801.	3.7	16
34	Chromosome aberrations in solid tumors have a stochastic nature. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2006, 600, 150-164.	1.0	15
35	Integrative Analysis Identifies Genetic Variants Associated With Autoimmune Diseases Affecting Putative MicroRNA Binding Sites. <i>Frontiers in Genetics</i> , 2018, 9, 139.	2.3	15
36	Imbalance in redox status is associated with tumor aggressiveness and poor outcome in lung adenocarcinoma patients. <i>Journal of Cancer Research and Clinical Oncology</i> , 2014, 140, 461-470.	2.5	13

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37	DNA methylation in adolescents with anxiety disorder: a longitudinal study. Scientific Reports, 2018, 8, 13800.	3.3	13
38	Reverse Engineering the Neuroblastoma Regulatory Network Uncovers MAX as One of the Master Regulators of Tumor Progression. PLoS ONE, 2013, 8, e82457.	2.5	13
39	Stage-stratified molecular profiling of non-muscle-invasive bladder cancer enhances biological, clinical, and therapeutic insight. Cell Reports Medicine, 2021, 2, 100472.	6.5	13
40	Disruption and de novo formation of nanotubular membrane extensions in SW620 colon carcinoma cell line during cell division. Cell Biology International, 2005, 29, 929-931.	3.0	12
41	Retinol induces morphological alterations and proliferative focus formation through free radical-mediated activation of multiple signaling pathways. Acta Pharmacologica Sinica, 2012, 33, 558-567.	6.1	12
42	Preferential Duplication of Intermodular Hub Genes: An Evolutionary Signature in Eukaryotes Genome Networks. PLoS ONE, 2013, 8, e56579.	2.5	12
43	<i>RTNduals</i>: an R/Bioconductor package for analysis of co-regulation and inference of <i>dual regulons</i>. Bioinformatics, 2019, 35, 5357-5358.	4.1	11
44	Inhibition of MDR1 expression by retinol treatment increases sensitivity to etoposide (VP16) in human neoplastic cell line. Toxicology in Vitro, 2008, 22, 873-878.	2.4	10
45	Dysregulation of Transcription Factor Networks Unveils Different Pathways in Human Papillomavirus 16-Positive Squamous Cell Carcinoma and Adenocarcinoma of the Uterine Cervix. Frontiers in Oncology, 2021, 11, 626187.	2.8	10
46	Morphological and oxidative alterations on Sertoli cells cytoskeleton due to retinol-induced reactive oxygen species. Molecular and Cellular Biochemistry, 2005, 271, 189-196.	3.1	9
47	Evolutionary plasticity determination by orthologous groups distribution. Biology Direct, 2011, 6, 22.	4.6	9
48	Induced genome maintenance pathways in pre-cancer tissues describe an anti-cancer barrier in tumor development. Molecular BioSystems, 2012, 8, 3003.	2.9	9
49	Environmental prospecting of black yeast-like agents of human disease using culture-independent methodology. Scientific Reports, 2020, 10, 14229.	3.3	9
50	A Consensus Molecular Classification of Muscle-Invasive Bladder Cancer. SSRN Electronic Journal, 0, ,.	0.4	9
51	In vitro evaluation of antitumoral efficacy of catalase in combination with traditional chemotherapeutic drugs against human lung adenocarcinoma cells. Tumor Biology, 2016, 37, 10775-10784.	1.8	8
52	Phenotype modulation of cellular UV-sensitivity. Cancer Letters, 1999, 145, 65-72.	7.2	7
53	Intercellular contact-dependent survival of human A549, NCI-H596 and NCI-H520 non-small cell lung carcinoma cell lines. Brazilian Journal of Medical and Biological Research, 2001, 34, 1007-1013.	1.5	7
54	Modeling the Human Genome Maintenance network. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 4188-4194.	2.6	7

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55	Reduced Neurite Density in Neuronal Cell Cultures Exposed to Serum of Patients with Bipolar Disorder. International Journal of Neuropsychopharmacology, 2016, 19, pyw051.	2.1	7
56	Draft Genome Sequence of <i>Fonsecaea nubica</i> Strain CBS 269.64, Causative Agent of Human Chromoblastomycosis. Genome Announcements, 2016, 4, .	0.8	6
57	Adrenocortical Carcinoma Steroid Profiles: In Silico Pan-Cancer Analysis of TCGA Data Uncovers Immunotherapy Targets for Potential Improved Outcomes. Frontiers in Endocrinology, 2021, 12, 672319.	3.5	6
58	GALANT: a Cytoscape plugin for visualizing data as functional landscapes projected onto biological networks. Bioinformatics, 2013, 29, 2505-2506.	4.1	5
59	<i>TreeAndLeaf</i> : an R/Bioconductor package for graphs and trees with focus on the leaves. Bioinformatics, 2022, 38, 1463-1464.	4.1	5
60	Which came first, the transcriptional regulator or its target genes? An evolutionary perspective into the construction of eukaryotic regulons. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2020, 1863, 194472.	1.9	4
61	Novel lncRNAs Co-Expression Networks Identifies LINC00504 with Oncogenic Role in Luminal A Breast Cancer Cells. International Journal of Molecular Sciences, 2021, 22, 2420.	4.1	4
62	Identification of Post-Transcriptional Modulators of Breast Cancer Transcription Factor Activity Using MINDy. PLoS ONE, 2016, 11, e0168770.	2.5	4
63	Transcriptomic analysis reveals pH-responsive antioxidant gene networks. Frontiers in Bioscience - Scholar, 2012, S4, 1556-1567.	2.1	3
64	On the absence of mutations in nucleotide excision repair genes in sporadic solid tumors. Genetics and Molecular Research, 2008, 7, 152-160.	0.2	3
65	An Ontology to Integrate Transcriptomics and Interatomics Data Involved in Gene Pathways of Genome Stability. Lecture Notes in Computer Science, 2009, , 164-167.	1.3	2
66	Potential predictive value of cofilin-1 for metastasis occurrence in a small cohort of Argentinian patients with mid-low Breslow thickness melanoma. Pathology Research and Practice, 2019, 215, 152582.	2.3	1
67	Reply To Kenneth B. Yatai, Mark J. Dunning, Dennis Wang. Consensus Genomic Subtypes of Muscle-invasive Bladder Cancer: A Step in the Right Direction but Still a Long Way To Go. Eur Urol 2020;77:434-435. European Urology, 2020, 77, 436-438.	1.9	1
68	Analysis of expression pathways alterations of <i>Arabidopsis thaliana</i> induced by a Necrosis- and Ethylene-inducing protein. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4515-4522.	2.6	0