

# Mauro A Castro

## List of Publications by Year in descending order

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68  
papers

5,344  
citations

293460

24  
h-index

111975

67  
g-index

73  
all docs

73  
docs citations

73  
times ranked

9778  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive Molecular Characterization of Muscle-Invasive Bladder Cancer. <i>Cell</i> , 2017, 171, 540-556.e25.	13.5	1,742
2	The chromatin accessibility landscape of primary human cancers. <i>Science</i> , 2018, 362, .	6.0	781
3	A Consensus Molecular Classification of Muscle-invasive Bladder Cancer. <i>European Urology</i> , 2020, 77, 420-433.	0.9	741
4	Master regulators of FGFR2 signalling and breast cancer risk. <i>Nature Communications</i> , 2013, 4, 2464.	5.8	180
5	Regulators of genetic risk of breast cancer identified by integrative network analysis. <i>Nature Genetics</i> , 2016, 48, 12-21.	9.4	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. <i>Molecular Neurobiology</i> , 2019, 56, 7355-7367.	1.9	118
7	RedeR: R/Bioconductor package for representing modular structures, nested networks and multiple levels of hierarchical associations.. <i>Genome Biology</i> , 2012, 13, R29.	13.9	91
8	Identification of Differential Tumor Subtypes of T1 Bladder Cancer. <i>European Urology</i> , 2020, 78, 533-537.	0.9	77
9	CFL1 expression levels as a prognostic and drug resistance marker in nonsmall cell lung cancer. <i>Cancer</i> , 2010, 116, 3645-3655.	2.0	61
10	miRNA-21 and miRNA-34a Are Potential Minimally Invasive Biomarkers for the Diagnosis of Pancreatic Ductal Adenocarcinoma. <i>Pancreas</i> , 2016, 45, 84-92.	0.5	56
11	ER Binding by Transcription Factors NFIB and YBX1 Enables FGFR2 Signaling to Modulate Estrogen Responsiveness in Breast Cancer. <i>Cancer Research</i> , 2018, 78, 410-421.	0.4	55
12	An Analysis of the Global Expression of MicroRNAs in an Experimental Model of Physiological Left Ventricular Hypertrophy. <i>PLoS ONE</i> , 2014, 9, e93271.	1.1	53
13	Gompertzian growth pattern correlated with phenotypic organization of colon carcinoma, malignant glioma and non-small cell lung carcinoma cell lines. <i>Cell Proliferation</i> , 2003, 36, 65-73.	2.4	49
14	FGFR2 risk SNPs confer breast cancer risk by augmenting oestrogen responsiveness. <i>Carcinogenesis</i> , 2016, 37, 741-750.	1.3	48
15	ViaComplex: software for landscape analysis of gene expression networks in genomic context. <i>Bioinformatics</i> , 2009, 25, 1468-1469.	1.8	47
16	Integrated Transcriptomics Establish Macrophage Polarization Signatures and have Potential Applications for Clinical Health and Disease. <i>Scientific Reports</i> , 2015, 5, 13351.	1.6	46
17	A systematic review of human antioxidant genes. <i>Frontiers in Bioscience - Landmark</i> , 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. <i>Neurotoxicity Research</i> , 2017, 31, 545-559.	1.3	37

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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.	3.6	36
20	Unraveling Immune-Related lncRNAs in Breast Cancer Molecular Subtypes. <i>Frontiers in Oncology</i> , 2021, 11, 692170.	1.3	34
21	Cannabidiol Exposure During Neuronal Differentiation Sensitizes Cells Against Redox-Active Neurotoxins. <i>Molecular Neurobiology</i> , 2015, 52, 26-37.	1.9	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.	1.2	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.	2.4	28
24	Towards a genome-wide transcriptogram: the <i>Saccharomyces cerevisiae</i> case. <i>Nucleic Acids Research</i> , 2011, 39, 3005-3016.	6.5	25
25	Impaired expression of NER gene network in sporadic solid tumors. <i>Nucleic Acids Research</i> , 2007, 35, 1859-1867.	6.5	24
26	High cofilin-1 levels correlate with cisplatin resistance in lung adenocarcinomas. <i>Tumor Biology</i> , 2014, 35, 1233-1238.	0.8	22
27	Profiling cytogenetic diversity with entropy-based karyotypic analysis. <i>Journal of Theoretical Biology</i> , 2005, 234, 487-495.	0.8	21
28	<i>RTNsurvival</i> : an R/Bioconductor package for regulatory network survival analysis. <i>Bioinformatics</i> , 2019, 35, 4488-4489.	1.8	21
29	Evolutionary origins of human apoptosis and genome-stability gene networks. <i>Nucleic Acids Research</i> , 2008, 36, 6269-6283.	6.5	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.	0.8	20
31	Posterior Association Networks and Functional Modules Inferred from Rich Phenotypes of Gene Perturbations. <i>PLoS Computational Biology</i> , 2012, 8, e1002566.	1.5	18
32	Whole-genome characterization of lung adenocarcinomas lacking alterations in the RTK/RAS/RAF pathway. <i>Cell Reports</i> , 2021, 34, 108707.	2.9	16
33	AKT3 Expression in Mesenchymal Colorectal Cancer Cells Drives Growth and Is Associated with Epithelial-Mesenchymal Transition. <i>Cancers</i> , 2021, 13, 801.	1.7	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.	0.4	15
35	Integrative Analysis Identifies Genetic Variants Associated With Autoimmune Diseases Affecting Putative MicroRNA Binding Sites. <i>Frontiers in Genetics</i> , 2018, 9, 139.	1.1	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.	1.2	13

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37	DNA methylation in adolescents with anxiety disorder: a longitudinal study. <i>Scientific Reports</i> , 2018, 8, 13800.	1.6	13
38	Reverse Engineering the Neuroblastoma Regulatory Network Uncovers MAX as One of the Master Regulators of Tumor Progression. <i>PLoS ONE</i> , 2013, 8, e82457.	1.1	13
39	Stage-stratified molecular profiling of non-muscle-invasive bladder cancer enhances biological, clinical, and therapeutic insight. <i>Cell Reports Medicine</i> , 2021, 2, 100472.	3.3	13
40	Disruption and de novo formation of nanotubular membrane extensions in SW620 colon carcinoma cell line during cell division. <i>Cell Biology International</i> , 2005, 29, 929-931.	1.4	12
41	Retinol induces morphological alterations and proliferative focus formation through free radical-mediated activation of multiple signaling pathways. <i>Acta Pharmacologica Sinica</i> , 2012, 33, 558-567.	2.8	12
42	Preferential Duplication of Intermodular Hub Genes: An Evolutionary Signature in Eukaryotes Genome Networks. <i>PLoS ONE</i> , 2013, 8, e56579.	1.1	12
43	<i>RTNduals</i> : an R/Bioconductor package for analysis of co-regulation and inference of dual regulons. <i>Bioinformatics</i> , 2019, 35, 5357-5358.	1.8	11
44	Inhibition of MDR1 expression by retinol treatment increases sensitivity to etoposide (VP16) in human neoplastic cell line. <i>Toxicology in Vitro</i> , 2008, 22, 873-878.	1.1	10
45	Dysregulation of Transcription Factor Networks Unveils Different Pathways in Human Papillomavirus 16-Positive Squamous Cell Carcinoma and Adenocarcinoma of the Uterine Cervix. <i>Frontiers in Oncology</i> , 2021, 11, 626187.	1.3	10
46	Morphological and oxidative alterations on Sertoli cells cytoskeleton due to retinol-induced reactive oxygen species. <i>Molecular and Cellular Biochemistry</i> , 2005, 271, 189-196.	1.4	9
47	Evolutionary plasticity determination by orthologous groups distribution. <i>Biology Direct</i> , 2011, 6, 22.	1.9	9
48	Induced genome maintenance pathways in pre-cancer tissues describe an anti-cancer barrier in tumor development. <i>Molecular BioSystems</i> , 2012, 8, 3003.	2.9	9
49	Environmental prospecting of black yeast-like agents of human disease using culture-independent methodology. <i>Scientific Reports</i> , 2020, 10, 14229.	1.6	9
50	A Consensus Molecular Classification of Muscle-Invasive Bladder Cancer. <i>SSRN Electronic Journal</i> , 0, ..	0.4	9
51	In vitro evaluation of antitumoral efficacy of catalase in combination with traditional chemotherapeutic drugs against human lung adenocarcinoma cells. <i>Tumor Biology</i> , 2016, 37, 10775-10784.	0.8	8
52	Phenotype modulation of cellular UV-sensitivity. <i>Cancer Letters</i> , 1999, 145, 65-72.	3.2	7
53	Intercellular contact-dependent survival of human A549, NCI-H596 and NCI-H520 non-small cell lung carcinoma cell lines. <i>Brazilian Journal of Medical and Biological Research</i> , 2001, 34, 1007-1013.	0.7	7
54	Modeling the Human Genome Maintenance network. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 4188-4194.	1.2	7

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55	Reduced Neurite Density in Neuronal Cell Cultures Exposed to Serum of Patients with Bipolar Disorder. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyw051.	1.0	7
56	Draft Genome Sequence of <i>Fonsecaea nubica</i> Strain CBS 269.64, Causative Agent of Human Chromoblastomycosis. <i>Genome Announcements</i> , 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. <i>Frontiers in Endocrinology</i> , 2021, 12, 672319.	1.5	6
58	GALANT: a Cytoscape plugin for visualizing data as functional landscapes projected onto biological networks. <i>Bioinformatics</i> , 2013, 29, 2505-2506.	1.8	5
59	<i>TreeAndLeaf</i> : an R/Bioconductor package for graphs and trees with focus on the leaves. <i>Bioinformatics</i> , 2022, 38, 1463-1464.	1.8	5
60	Which came first, the transcriptional regulator or its target genes? An evolutionary perspective into the construction of eukaryotic regulons. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2020, 1863, 194472.	0.9	4
61	Novel lncRNAs Co-Expression Networks Identifies LINC00504 with Oncogenic Role in Luminal A Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2420.	1.8	4
62	Identification of Post-Transcriptional Modulators of Breast Cancer Transcription Factor Activity Using MINDy. <i>PLoS ONE</i> , 2016, 11, e0168770.	1.1	4
63	Transcriptomic analysis reveals pH-responsive antioxidant gene networks. <i>Frontiers in Bioscience - Scholar</i> , 2012, S4, 1556-1567.	0.8	3
64	On the absence of mutations in nucleotide excision repair genes in sporadic solid tumors. <i>Genetics and Molecular Research</i> , 2008, 7, 152-160.	0.3	3
65	An Ontology to Integrate Transcriptomics and Interatomics Data Involved in Gene Pathways of Genome Stability. <i>Lecture Notes in Computer Science</i> , 2009, , 164-167.	1.0	2
66	Potential predictive value of cofilin-1 for metastasis occurrence in a small cohort of Argentinian patients with mid-low Breslow thickness melanoma. <i>Pathology Research and Practice</i> , 2019, 215, 152582.	1.0	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. <i>Eur Urol</i> 2020;77:434-435. <i>European Urology</i> , 2020, 77, 436-438.	0.9	1
68	Analysis of expression pathways alterations of <i>Arabidopsis thaliana</i> induced by a Necrosis- and Ethylene-inducing protein. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 4515-4522.	1.2	0