

Robson Francisco Carvalho

List of Publications by Year in descending order

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Version: 2024-02-01

105
papers

2,699
citations

172207

29
h-index

233125

45
g-index

116
all docs

116
docs citations

116
times ranked

4481
citing authors

#	ARTICLE	IF	CITATIONS
1	Aging whole blood transcriptome reveals candidate genes for SARS-CoV-2-related vascular and immune alterations. <i>Journal of Molecular Medicine</i> , 2022, 100, 285-301.	1.7	16
2	Prediction of SARS-CoV Interaction with Host Proteins during Lung Aging Reveals a Potential Role for TRIB3 in COVID-19. , 2021, 12, 42.		13
3	Long-term persistence of supernumerary B chromosomes in multiple species of <i>Astyanax</i> fish. <i>BMC Biology</i> , 2021, 19, 52.	1.7	8
4	Ascorbic Acid Supplementation Improves Skeletal Muscle Growth in Pacu (<i>Piaractus mesopotamicus</i>) Juveniles: In Vivo and In Vitro Studies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2995.	1.8	8
5	Integrative microRNAome analysis of skeletal muscle of <i>Colossoma macropomum</i> (tambaqui), <i>Piaractus mesopotamicus</i> (pacu), and the hybrid tambacu, based on next-generation sequencing data. <i>BMC Genomics</i> , 2021, 22, 237.	1.2	3
6	Melatonergic index as a prognostic biomarker of reproductive organ cancers: correlations with metabolic parameters as well as clock genes PER1 and TIMELESS. <i>Melatonin Research</i> , 2021, 4, 299-315.	0.7	2
7	The relationship between cytokine and neutrophil gene network distinguishes SARS-CoV-2-infected patients by sex and age. <i>JCI Insight</i> , 2021, 6, .	2.3	17
8	An insight on the impact of teleost whole genome duplication on the regulation of the molecular networks controlling skeletal muscle growth. <i>PLoS ONE</i> , 2021, 16, e0255006.	1.1	5
9	<i>TLR4</i> deficiency upregulates TLR9 expression and enhances irinotecan-related intestinal mucositis and late-onset diarrhoea. <i>British Journal of Pharmacology</i> , 2021, 178, 4193-4209.	2.7	22
10	MiR-125a-3p and MiR-320b Differentially Expressed in Patients with Chronic Myeloid Leukemia Treated with Allogeneic Hematopoietic Stem Cell Transplantation and Imatinib Mesylate. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10216.	1.8	2
11	Preventive training does not interfere with mRNA-encoding myosin and collagen expression during pulmonary arterial hypertension. <i>PLoS ONE</i> , 2021, 16, e0244768.	1.1	2
12	Drug Repositioning Based on the Reversal of Gene Expression Signatures Identifies TOP2A as a Therapeutic Target for Rectal Cancer. <i>Cancers</i> , 2021, 13, 5492.	1.7	17
13	Prediction of Non-canonical Routes for SARS-CoV-2 Infection in Human Placenta Cells. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 614728.	1.6	13
14	Multidimensional Single-Nuclei RNA-Seq Reconstruction of Adipose Tissue Reveals Adipocyte Plasticity Underlying Thermogenic Response. <i>Cells</i> , 2021, 10, 3073.	1.8	11
15	Decreased miR-497-5p Suppresses IL-6 Induced Atrophy in Muscle Cells. <i>Cells</i> , 2021, 10, 3527.	1.8	8
16	Maternal protein restriction changes structural and metabolic gene expression in the skeletal muscle of aging offspring rats. <i>Histology and Histopathology</i> , 2021, 36, 853-867.	0.5	0
17	Elevated Glucose Levels Favor SARS-CoV-2 Infection and Monocyte Response through a HIF-1 α /Glycolysis-Dependent Axis. <i>Cell Metabolism</i> , 2020, 32, 437-446.e5.	7.2	578
18	Transcriptome of Two Canine Prostate Cancer Cells Treated With Toceranib Phosphate Reveals Distinct Antitumor Profiles Associated With the PDGFR Pathway. <i>Frontiers in Veterinary Science</i> , 2020, 7, 561212.	0.9	6

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19	Circulating miR-16-5p, miR-92a-3p, and miR-451a in Plasma from Lung Cancer Patients: Potential Application in Early Detection and a Regulatory Role in Tumorigenesis Pathways. <i>Cancers</i> , 2020, 12, 2071.	1.7	34
20	The authors reply: Comment on "The expression landscape of cachexia-inducing factors in human cancers" by Freire et al.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 1854-1857.	2.9	1
21	Deregulated microRNAs Are Associated with Patient Survival and Predicted to Target Genes That Modulate Lung Cancer Signaling Pathways. <i>Cancers</i> , 2020, 12, 2711.	1.7	5
22	Comparison of microRNA Expression Profile in Chronic Myeloid Leukemia Patients Newly Diagnosed and Treated by Allogeneic Hematopoietic Stem Cell Transplantation. <i>Frontiers in Oncology</i> , 2020, 10, 1544.	1.3	10
23	A meta-analysis of microRNA networks regulated by melatonin in cancer: Portrait of potential candidates for breast cancer treatment. <i>Journal of Pineal Research</i> , 2020, 69, e12693.	3.4	32
24	MicroRNA-mRNA Co-sequencing Identifies Transcriptional and Post-transcriptional Regulatory Networks Underlying Muscle Wasting in Cancer Cachexia. <i>Frontiers in Genetics</i> , 2020, 11, 541.	1.1	19
25	An Integrated Meta-Analysis of Secretome and Proteome Identify Potential Biomarkers of Pancreatic Ductal Adenocarcinoma. <i>Cancers</i> , 2020, 12, 716.	1.7	21
26	Increased DSG2 plasmatic levels identified by transcriptomic-based secretome analysis is a potential prognostic biomarker in laryngeal carcinoma. <i>Oral Oncology</i> , 2020, 103, 104592.	0.8	12
27	The expression landscape of cachexia-inducing factors in human cancers. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 947-961.	2.9	47
28	Identification of potential molecular pathways involved in prostate carcinogenesis in offspring exposed to maternal malnutrition. <i>Aging</i> , 2020, 12, 19954-19978.	1.4	11
29	Tumor Transcriptome Reveals High Expression of IL-8 in Non-Small Cell Lung Cancer Patients with Low Pectoralis Muscle Area and Reduced Survival. <i>Cancers</i> , 2019, 11, 1251.	1.7	26
30	Locally advanced rectal cancer transcriptomic-based secretome analysis reveals novel biomarkers useful to identify patients according to neoadjuvant chemoradiotherapy response. <i>Scientific Reports</i> , 2019, 9, 8702.	1.6	14
31	MicroRNA modulated networks of adaptive and innate immune response in pancreatic ductal adenocarcinoma. <i>PLoS ONE</i> , 2019, 14, e0217421.	1.1	33
32	The combination of resveratrol and exercise enhances muscle growth characteristics in pacu (<i>Piaractus mesopotamicus</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 235, 46-55.	0.8	11
33	Proteomic analysis of the fast-twitch muscle of pacu (<i>Piaractus mesopotamicus</i>) after prolonged fasting and compensatory growth. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019, 30, 321-332.	0.4	11
34	The Pathway to Cancer Cachexia: MicroRNA-Regulated Networks in Muscle Wasting Based on Integrative Meta-Analysis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1962.	1.8	33
35	Ascorbic acid stimulates the in vitro myoblast proliferation and migration of pacu (<i>Piaractus</i>) Tj ETQq1 1 0.784314 1.6 BT / Overlock 10 Tf	1.6	25
36	Exercise during transition from compensated left ventricular hypertrophy to heart failure in aortic stenosis rats. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 1235-1245.	1.6	29

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37	Prolonged fasting followed by refeeding modifies proteome profile and parvalbumin expression in the fast-twitch muscle of pacu (<i>Piaractus mesopotamicus</i>). <i>PLoS ONE</i> , 2019, 14, e0225864.	1.1	6
38	Expressão Diferencial de MicroRNAs no Câncer de Próstata. <i>Revista Brasileira De Cancerologia</i> , 2019, 58, 687-693.	0.0	0
39	Late Breaking Abstract - Effects of preventive exercise in monocrotaline rat model with pulmonary hypertension. , 2019, , .		0
40	Overexpression of PGC-1 β in aging muscle enhances a subset of young-like molecular patterns. <i>Aging Cell</i> , 2018, 17, e12707.	3.0	57
41	Enhancement of colon carcinogenesis by the combination of indole-3 carbinol and synbiotics in hemin-fed rats. <i>Food and Chemical Toxicology</i> , 2018, 112, 11-18.	1.8	7
42	Low-level laser irradiation induces a transcriptional myotube-like profile in C2C12 myoblasts. <i>Lasers in Medical Science</i> , 2018, 33, 1673-1683.	1.0	6
43	Preeclamptic plasma stimulates the expression of miRNAs, leading to a decrease in endothelin-1 production in endothelial cells. <i>Pregnancy Hypertension</i> , 2018, 12, 75-81.	0.6	19
44	Capsaicin reduces genotoxicity, colonic cell proliferation and preneoplastic lesions induced by 1,2-dimethylhydrazine in rats. <i>Toxicology and Applied Pharmacology</i> , 2018, 338, 93-102.	1.3	31
45	Lyophilized açaí-pulp (<i>Euterpe oleracea</i> Mart) attenuates colitis-associated colon carcinogenesis while its main anthocyanin has the potential to affect the motility of colon cancer cells. <i>Food and Chemical Toxicology</i> , 2018, 121, 237-245.	1.8	46
46	Can the antral follicular count modulate the gene expression of bovine oviducts in Aberdeen Angus and Nelore heifers?. <i>PLoS ONE</i> , 2018, 13, e0202017.	1.1	8
47	Recovery of Cardiac Remodeling and Dysmetabolism by Pancreatic Islet Injury Improvement in Diabetic Rats after Yacon Leaf Extract Treatment. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-9.	1.9	9
48	Osteoglycin post-transcriptional regulation by miR-155 induces cellular architecture changes in H9c2 cardiomyoblasts. <i>Gene</i> , 2018, 676, 9-15.	1.0	5
49	Fractal dimension analysis reveals skeletal muscle disorganization in mdx mice. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 109-115.	1.0	17
50	Abstract B01: MicroRNA expression in tumors and liquid biopsy samples from patients with pancreatic ductal adenocarcinoma: Identification of clinically relevant pathways. , 2018, , .		0
51	Late Breaking Abstract - Molecular mechanisms involved in early stage of pulmonary hypertension: experimental study. , 2018, , .		0
52	β -ionone modulates the expression of miRNAs and genes involved in the metastatic phenotype of microdissected persistent preneoplastic lesions in rats submitted to hepatocarcinogenesis. <i>Molecular Carcinogenesis</i> , 2017, 56, 184-196.	1.3	11
53	Neuromuscular junctions (NMJs): ultrastructural analysis and nicotinic acetylcholine receptor (nAChR) subunit mRNA expression in offspring subjected to protein restriction throughout pregnancy. <i>International Journal of Experimental Pathology</i> , 2017, 98, 109-116.	0.6	0
54	Integration of miRNA and mRNA expression profiles reveals microRNA-regulated networks during muscle wasting in cardiac cachexia. <i>Scientific Reports</i> , 2017, 7, 6998.	1.6	42

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55	Food restriction increase the expression of mTORC1 complex genes in the skeletal muscle of juvenile pacu (<i>Piaractus mesopotamicus</i>). PLoS ONE, 2017, 12, e0177679.	1.1	33
56	Osteoglycin inhibition by microRNA miR-155 impairs myogenesis. PLoS ONE, 2017, 12, e0188464.	1.1	13
57	Late Breaking Abstract - Pulmonary hypertension modifies cardiac genes myh7 and col1a1 nonreversible by training. , 2017, , .		0
58	Fractal Dimension in Quantifying Experimental-Pulmonary-Hypertension-Induced Cardiac Dysfunction in Rats. Arquivos Brasileiros De Cardiologia, 2016, 107, 33-9.	0.3	18
59	Training improves the oxidative phenotype of muscle during the transition from cardiac hypertrophy to heart failure without altering MyoD and myogenin. Experimental Physiology, 2016, 101, 1075-1085.	0.9	4
60	Propolis modulates miRNAs involved in TLR-4 pathway, NF- κ B activation, cytokine production and in the bactericidal activity of human dendritic cells. Journal of Pharmacy and Pharmacology, 2016, 68, 1604-1612.	1.2	32
61	Preventive aerobic training exerts a cardioprotective effect on rats treated with monocrotaline. International Journal of Experimental Pathology, 2016, 97, 238-247.	0.6	18
62	Aerobic Exercise Recovers Disuse-induced Atrophy Through the Stimulus of the LRP130/PGC-1 β Complex in Aged Rats. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2016, 71, 601-609.	1.7	17
63	Integrative transcriptome analysis identifies deregulated microRNA-transcription factor networks in lung adenocarcinoma. Oncotarget, 2016, 7, 28920-28934.	0.8	49
64	Abstract A28: Differentially expressed microRNA profiles in pancreatic ductal and ampullary adenocarcinomas. , 2016, , .		0
65	MicroRNA-499 Expression Distinctively Correlates to Target Genes sox6 and rod1 Profiles to Resolve the Skeletal Muscle Phenotype in Nile Tilapia. PLoS ONE, 2015, 10, e0119804.	1.1	36
66	Differential microRNA Expression in Fast- and Slow-Twitch Skeletal Muscle of <i>Piaractus mesopotamicus</i> during Growth. PLoS ONE, 2015, 10, e0141967.	1.1	28
67	Regulation of cardiac microRNAs induced by aerobic exercise training during heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1629-H1641.	1.5	42
68	Acute Doxorubicin-Induced Cardiotoxicity is Associated with Matrix Metalloproteinase-2 Alterations in Rats. Cellular Physiology and Biochemistry, 2015, 35, 1924-1933.	1.1	46
69	High Final Energy of Low-Level Gallium Arsenide Laser Therapy Enhances Skeletal Muscle Recovery without a Positive Effect on Collagen Remodeling. Photochemistry and Photobiology, 2015, 91, 957-965.	1.3	22
70	Aerobic training attenuates nicotinic acetylcholine receptor changes in the diaphragm muscle during heart failure. Histology and Histopathology, 2015, 30, 801-11.	0.5	9
71	Improvement in fractional shortening in aortic regurgitation rats: cardiac muscle network. FASEB Journal, 2015, 29, .	0.2	0
72	Abstract 4576: Early-in-life dietary zinc supplementation or deficiency and susceptibility to mammary carcinogenesis in female Sprague-Dawley rat. , 2015, , .		0

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73	Aerobic Exercise Training Prevents Heart Failure-Induced Skeletal Muscle Atrophy by Anti-Catabolic, but Not Anabolic Actions. <i>PLoS ONE</i> , 2014, 9, e110020.	1.1	54
74	Origin and Evolution of B Chromosomes in the Cichlid Fish <i>Astatotilapia latifasciata</i> Based on Integrated Genomic Analyses. <i>Molecular Biology and Evolution</i> , 2014, 31, 2061-2072.	3.5	112
75	Heart failure-induced skeletal myopathy in spontaneously hypertensive rats. <i>International Journal of Cardiology</i> , 2013, 167, 698-703.	0.8	46
76	Short periods of fasting followed by refeeding change the expression of muscle growth-related genes in juvenile Nile tilapia (<i>Oreochromis niloticus</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2013, 164, 268-274.	0.7	65
77	Myogenin, MyoD and IGF-I Regulate Muscle Mass but not Fiber-type Conversion during Resistance Training in Rats. <i>International Journal of Sports Medicine</i> , 2013, 34, 293-301.	0.8	32
78	NFAT Isoforms Regulate Muscle Fiber Type Transition without Altering CaN during Aerobic Training. <i>International Journal of Sports Medicine</i> , 2013, 34, 861-867.	0.8	10
79	Involvement of Renal Corpuscle microRNA Expression on Epithelial-to-Mesenchymal Transition in Maternal Low Protein Diet in Adult Programmed Rats. <i>PLoS ONE</i> , 2013, 8, e71310.	1.1	41
80	Doxorubicin induces early left ventricular dysfunction and metalloproteinase activation in rats. <i>FASEB Journal</i> , 2012, 26, 1036.10.	0.2	0
81	Differential morphofunctional characteristics and gene expression in fast and slow muscle of rats with monocrotaline-induced heart failure. <i>Journal of Molecular Histology</i> , 2011, 42, 205-215.	1.0	9
82	Morphological aspects of neuromuscular junctions and gene expression of nicotinic acetylcholine receptors (nAChRs) in skeletal muscle of rats with heart failure. <i>Journal of Molecular Histology</i> , 2011, 42, 557-565.	1.0	7
83	Combined effect of the finasteride and doxazosin on rat ventral prostate morphology and physiology. <i>Journal of Developmental and Physical Disabilities</i> , 2010, 33, 489-499.	3.6	15
84	Heart failure increases atrogin-1 and MuRF1 gene expression in skeletal muscle with fiber type-specific atrophy. <i>Journal of Molecular Histology</i> , 2010, 41, 81-87.	1.0	39
85	Quantitative expression of myogenic regulatory factors MyoD and myogenin in pacu (<i>Piaractus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 49	1.1	49
86	Growth hormone attenuates skeletal muscle changes in experimental chronic heart failure. <i>Growth Hormone and IGF Research</i> , 2010, 20, 149-155.	0.5	13
87	Chronic heart failure-induced skeletal muscle atrophy, necrosis, and changes in myogenic regulatory factors. <i>Medical Science Monitor</i> , 2010, 16, BR374-83.	0.5	23
88	Severe food restriction induces myocardial dysfunction related to SERCA2 activity. <i>Canadian Journal of Physiology and Pharmacology</i> , 2009, 87, 666-673.	0.7	6
89	Differential expression of myogenic regulatory factor MyoD in pacu skeletal muscle (<i>Piaractus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	1.1	78
90	Downregulation of MyoD gene expression in rat diaphragm muscle with heart failure. <i>International Journal of Experimental Pathology</i> , 2008, 89, 216-222.	0.6	18

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91	Food restriction impairs myocardial inotropic response to calcium and β^2 -adrenergic stimulation in spontaneously hypertensive rats. <i>Nutrition Research</i> , 2008, 28, 722-727.	1.3	7
92	Identities among actin-encoding cDNAs of the Nile tilapia (<i>Oreochromis niloticus</i>) and other eukaryote species revealed by nucleotide and amino acid sequence analyses. <i>Genetics and Molecular Biology</i> , 2008, 31, 325-356.	0.6	0
93	Mecanismos celulares e moleculares que controlam o desenvolvimento e o crescimento muscular. <i>Revista Brasileira De Zootecnia</i> , 2007, 36, 21-31.	0.3	12
94	Genetic vaccine for tuberculosis (pVAXhsp65) primes neonate mice for a strong immune response at the adult stage. <i>Genetic Vaccines and Therapy</i> , 2007, 5, 12.	1.5	6
95	Brain distribution of myosin Va in rainbow trout <i>Oncorhynchus mykiss</i> . <i>Acta Zoologica</i> , 2007, 89, 29-36.	0.6	0
96	Exercise training increases myocardial inotropic response in food restricted rats. <i>International Journal of Cardiology</i> , 2006, 112, 191-201.	0.8	19
97	Effects of betaine on the growth of the fish piauçu, <i>Leporinus macrocephalus</i> . <i>Brazilian Archives of Biology and Technology</i> , 2006, 49, 757-762.	0.5	12
98	Heart failure alters MyoD and MRF4 expressions in rat skeletal muscle. <i>International Journal of Experimental Pathology</i> , 2006, 87, 219-225.	0.6	13
99	Heart failure alters matrix metalloproteinase gene expression and activity in rat skeletal muscle. <i>International Journal of Experimental Pathology</i> , 2006, 87, 437-443.	0.6	31
100	Beta-Carotene Supplementation Attenuates Cardiac Remodeling Induced by One-Month Tobacco-Smoke Exposure in Rats. <i>Toxicological Sciences</i> , 2006, 90, 259-266.	1.4	33
101	Myocardial Dysfunction Induced by Food Restriction is Related to Morphological Damage in Normotensive Middle-Aged Rats. <i>Journal of Biomedical Science</i> , 2005, 12, 641-649.	2.6	33
102	Effects of incubation temperature on muscle morphology and growth in the pacu (<i>Piaractus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	1.7	40
103	Myosin heavy chain expression and atrophy in rat skeletal muscle during transition from cardiac hypertrophy to heart failure. <i>International Journal of Experimental Pathology</i> , 2003, 84, 201-206.	0.6	36
104	Elevated Glucose Levels Favor Sars-Cov-2 Infection and Monocyte Response Through a Hif-1 β /Glycolysis Dependent Axis. <i>SSRN Electronic Journal</i> , 0, , .	0.4	65
105	Fibronectin Modulates the Expression of miRNAs in Prostate Cancer Cell Lines. <i>Frontiers in Veterinary Science</i> , 0, 9, .	0.9	0