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List of Publications by Year in descending order

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90
papers

2,663
citations

153493

30
h-index

232741

45
g-index

100
all docs

100
docs citations

100
times ranked

3733
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastic fibres and vascular structure in hypertension. , 2006, 111, 771-791.		216
2	A Review of Bioactive Factors in Human Breastmilk: A Focus on Prematurity. <i>Nutrients</i> , 2019, 11, 1307.	4.2	148
3	Role of Elastin in Spontaneously Hypertensive Rat Small Mesenteric Artery Remodelling. <i>Journal of Physiology</i> , 2003, 552, 185-195.	2.9	123
4	Implication of Oxidative Stress in Fetal Programming of Cardiovascular Disease. <i>Frontiers in Physiology</i> , 2018, 9, 602.	2.8	120
5	Role of extracellular matrix in vascular remodeling of hypertension. <i>Current Opinion in Nephrology and Hypertension</i> , 2010, 19, 187-194.	2.1	82
6	Imbalance between Pro and Anti-Oxidant Mechanisms in Perivascular Adipose Tissue Aggravates Long-Term High-Fat Diet-Derived Endothelial Dysfunction. <i>PLoS ONE</i> , 2014, 9, e95312.	2.5	82
7	New aspects of vascular remodelling: the involvement of all vascular cell types. <i>Experimental Physiology</i> , 2005, 90, 469-475.	2.0	78
8	Cellular Aspects of Vascular Remodeling in Hypertension Revealed by Confocal Microscopy. <i>Hypertension</i> , 1997, 30, 1455-1464.	5.2	73
9	Alterations in structure and mechanics of resistance arteries from ouabain-induced hypertensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H193-H201.	3.4	61
10	Estimation of scavenging capacity of melatonin and other antioxidants: Contribution and evaluation in germinated seeds. <i>Food Chemistry</i> , 2015, 170, 203-211.	8.4	55
11	Prediction of fermentation index of cocoa beans (<i>Theobroma cacao</i> L.) based on color measurement and artificial neural networks. <i>Talanta</i> , 2016, 161, 31-39.	5.7	50
12	Endothelial dysfunction in spontaneously hypertensive rats: focus on methodological aspects. <i>Journal of Hypertension</i> , 2009, 27, S27-S31.	0.5	49
13	Fetal undernutrition is associated with perinatal sex-dependent alterations in oxidative status. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 1650-1659.	4.3	48
14	Influence of elastin on rat small artery mechanical properties. <i>Experimental Physiology</i> , 2005, 90, 463-468.	2.0	47
15	Association between Maternal Postpartum Depression, Stress, Optimism, and Breastfeeding Pattern in the First Six Months. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7153.	2.7	45
16	Maternal plasma antioxidant status in the first trimester of pregnancy and development of obstetric complications. <i>Placenta</i> , 2016, 47, 37-45.	2.4	44
17	Heightened aberrant deposition of hard-wearing elastin in conduit arteries of prehypertensive SHR is associated with increased stiffness and inward remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H2299-H2307.	3.4	43
18	Confocal Microscopic Characterization of a Lesion in a Cerebral Vessel of the Stroke-Prone Spontaneously Hypertensive Rat. <i>Stroke</i> , 1996, 27, 1118-1123.	5.3	42

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19	Postnatal alterations in elastic fiber organization precede resistance artery narrowing in SHR. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H804-H812.	3.4	40
20	Teas and herbal infusions as sources of melatonin and other bioactive non-nutrient components. LWT - Food Science and Technology, 2018, 89, 65-73.	5.3	39
21	Long term effects of fetal undernutrition on rat heart. Role of hypertension and oxidative stress. PLoS ONE, 2017, 12, e0171544.	2.5	39
22	Cellular changes induced by chronic nitric oxide inhibition in intact rat basilar arteries revealed by confocal microscopy. Journal of Hypertension, 1997, 15, 1685-1693.	0.5	37
23	Short-term treatment of spontaneously hypertensive rats with liver growth factor reduces carotid artery fibrosis, improves vascular function, and lowers blood pressure. Cardiovascular Research, 2006, 69, 764-771.	3.7	36
24	Imaging the vascular wall using confocal microscopy. Journal of Physiology, 2007, 584, 5-9.	2.9	36
25	A plasma oxidative stress global index in early stages of chronic venous insufficiency. Journal of Vascular Surgery, 2013, 57, 205-213.	1.1	36
26	A retrospective study of cryopreserved umbilical cord as an adjunctive therapy to promote the healing of chronic, complex foot ulcers with underlying osteomyelitis. Wound Repair and Regeneration, 2016, 24, 885-893.	3.2	34
27	Rapid high-throughput assay to assess scavenging capacity index using DPPH. Food Chemistry, 2013, 141, 788-794.	8.4	33
28	Intake of bean sprouts influences melatonin and antioxidant capacity biomarker levels in rats. Food and Function, 2016, 7, 1438-1445.	4.6	33
29	Bioavailability of Melatonin from Lentil Sprouts and Its Role in the Plasmatic Antioxidant Status in Rats. Foods, 2020, 9, 330.	4.3	32
30	Nitric Oxide and Superoxide Anion Balance in Rats Exposed to Chronic and Long Term Intermittent Hypoxia. BioMed Research International, 2014, 2014, 1-10.	2.0	31
31	The Antioxidant Activity and Thermal Stability of Lemon Verbena (<i>Aloysia triphylla</i>) Infusion. Journal of Medicinal Food, 2011, 14, 517-527.	1.6	30
32	Male fetal sex is associated with low maternal plasma anti-inflammatory cytokine profile in the first trimester of healthy pregnancies. Cytokine, 2020, 136, 155290.	3.2	28
33	Hypertension increases middle cerebral artery resting tone in spontaneously hypertensive rats: role of tonic vasoactive factor availability. Clinical Science, 2008, 114, 651-659.	4.3	26
34	A simple dot-blot "Sirius red-based assay for collagen quantification. Analytical and Bioanalytical Chemistry, 2013, 405, 6863-6871.	3.9	24
35	Functional Reduction and Associated Cellular Rearrangement in SHRSP Rat Basilar Arteries Are Affected by Salt Load and Calcium Antagonist Treatment. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 517-527.	4.6	23
36	Liver growth factor treatment restores cell-extracellular matrix balance in resistance arteries and improves left ventricular hypertrophy in SHR. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H1153-H1165.	3.4	23

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37	A novel high-throughput image based rapid Folin-Ciocalteu assay for assessment of reducing capacity in foods. <i>Talanta</i> , 2016, 152, 82-89.	5.7	22
38	Influence of Maternal Age and Gestational Age on Breast Milk Antioxidants During the First Month of Lactation. <i>Nutrients</i> , 2020, 12, 2569.	4.2	22
39	Antioxidant activity of liver growth factor, a bilirubin covalently bound to albumin. <i>Free Radical Biology and Medicine</i> , 2009, 46, 656-662.	4.5	21
40	Gene Expression and MicroRNA Expression Analysis in Small Arteries of Spontaneously Hypertensive Rats. Evidence for ER Stress. <i>PLoS ONE</i> , 2015, 10, e0137027.	2.5	21
41	Arterial stiffness is associated with adipokine dysregulation in non-hypertensive obese mice. <i>Vascular Pharmacology</i> , 2016, 77, 38-47.	2.6	21
42	Impairment of Vasodilator Function in Basilar Arteries From Aged Rats. <i>Stroke</i> , 1997, 28, 1812-1820.	5.3	21
43	Modulatory role of the adventitia on noradrenaline and angiotensin II responses Role of endothelium and AT2 receptors. <i>Cardiovascular Research</i> , 2005, 65, 478-486.	3.7	20
44	Sex Differences in Placental Protein Expression and Efficiency in a Rat Model of Fetal Programming Induced by Maternal Undernutrition. <i>International Journal of Molecular Sciences</i> , 2021, 22, 237.	4.2	18
45	Liver growth factor treatment reverses vascular and plasmatic oxidative stress in spontaneously hypertensive rats. <i>Journal of Hypertension</i> , 2012, 30, 1185-1194.	0.5	17
46	Heterogeneity in Arterial Remodeling among Sublines of Spontaneously Hypertensive Rats. <i>PLoS ONE</i> , 2014, 9, e107998.	2.5	17
47	Role of fetal nutrient restriction and postnatal catch-up growth on structural and mechanical alterations of rat aorta. <i>Journal of Physiology</i> , 2018, 596, 5791-5806.	2.9	16
48	[15] Measurements of vascular remodeling by confocal microscopy. <i>Methods in Enzymology</i> , 1999, 307, 246-273.	1.7	14
49	Multidimensional Approach to Assess Nutrition and Lifestyle in Breastfeeding Women during the First Month of Lactation. <i>Nutrients</i> , 2021, 13, 1766.	4.2	14
50	Vasoactive Properties of a Cocoa Shell Extract: Mechanism of Action and Effect on Endothelial Dysfunction in Aged Rats. <i>Antioxidants</i> , 2022, 11, 429.	5.2	14
51	Enhanced survival of vascular smooth muscle cells accounts for heightened elastin deposition in arteries of neonatal spontaneously hypertensive rats. <i>Experimental Physiology</i> , 2010, 95, 550-560.	2.0	13
52	Maternal Psychological and Biological Factors Associated to Gestational Complications. <i>Journal of Personalized Medicine</i> , 2021, 11, 183.	2.6	13
53	Role of Complement Properdin in Renal Ischemia-Reperfusion Injury. <i>Current Gene Therapy</i> , 2018, 17, 411-423.	2.0	13
54	Endothelial and Neuronal Nitric Oxide Activate Distinct Pathways on Sympathetic Neurotransmission in Rat Tail and Mesenteric Arteries. <i>PLoS ONE</i> , 2015, 10, e0129224.	2.5	12

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55	Maternal Antioxidant Status in Early Pregnancy and Development of Fetal Complications in Twin Pregnancies: A Pilot Study. <i>Antioxidants</i> , 2020, 9, 269.	5.2	12
56	Critical Evaluation of Coffee Pulp as an Innovative Antioxidant Dietary Fiber Ingredient: Nutritional Value, Functional Properties, and Acute and Sub-Chronic Toxicity. <i>Proceedings (mdpi)</i> , 2020, 70, .	0.2	12
57	Adventitial Alterations Are the Main Features in Pulmonary Artery Remodeling due to Long-Term Chronic Intermittent Hypobaric Hypoxia in Rats. <i>BioMed Research International</i> , 2015, 2015, 1-11.	2.0	11
58	AMPK and the Challenge of Treating Hypoxic Pulmonary Hypertension. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6205.	4.2	11
59	Supporting people with type 2 diabetes in effective use of their medicine through mobile health technology integrated with clinical care (SuMMiT-D Feasibility): a randomised feasibility trial protocol. <i>BMJ Open</i> , 2019, 9, e033504.	2.1	10
60	Nox2 Upregulation and p38 β MAPK Activation in Right Ventricular Hypertrophy of Rats Exposed to Long-Term Chronic Intermittent Hypobaric Hypoxia. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8576.	4.2	10
61	Maternal Resources, Pregnancy Concerns, and Biological Factors Associated to Birth Weight and Psychological Health. <i>Journal of Clinical Medicine</i> , 2021, 10, 695.	2.5	10
62	Younger Age in Adolescent Pregnancies Is Associated with Higher Risk of Adverse Outcomes. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8514.	2.7	10
63	Healthy Habits and Emotional Balance in Women during the Postpartum Period: Differences between Term and Preterm Delivery. <i>Children</i> , 2021, 8, 937.	1.5	10
64	First trimester elevations of hematocrit, lipid peroxidation and nitrates in women with twin pregnancies who develop preeclampsia. <i>Pregnancy Hypertension</i> , 2020, 22, 132-135.	1.8	9
65	Development and Validation of a Questionnaire to Assess Adherence to the Healthy Food Pyramid in Spanish Adults. <i>Nutrients</i> , 2020, 12, 1656.	4.2	9
66	Assessment of Adherence to the Healthy Food Pyramid in Pregnant and Lactating Women. <i>Nutrients</i> , 2021, 13, 2372.	4.2	9
67	Effects of Arachidonic and Docosahexaenoic Acid Supplementation during Gestation in Rats. Implication of Placental Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3863.	4.2	8
68	Insights into sympathetic nervous system and GPCR interplay in fetal programming of hypertension: a bridge for new pharmacological strategies. <i>Drug Discovery Today</i> , 2020, 25, 739-747.	6.6	8
69	A novel pyrogallol red-based assay to assess catalase activity: Optimization by response surface methodology. <i>Talanta</i> , 2017, 166, 349-356.	5.7	7
70	Plasma Oxidative Status in Preterm Infants Receiving LCPUFA Supplementation: A Pilot Study. <i>Nutrients</i> , 2020, 12, 122.	4.2	7
71	Fetal Undernutrition Induces Resistance Artery Remodeling and Stiffness in Male and Female Rats Independent of Hypertension. <i>Biomedicines</i> , 2020, 8, 424.	3.3	7
72	Validation of Cocoa Shell as a Novel Antioxidant Dietary Fiber Food Ingredient: Nutritional Value, Functional Properties, and Safety. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa052_042.	0.3	7

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73	Implication of RAS in Postnatal Cardiac Remodeling, Fibrosis and Dysfunction Induced by Fetal Undernutrition. <i>Pathophysiology</i> , 2021, 28, 273-290.	2.2	4
74	Endothelium in Diseased States. <i>BioMed Research International</i> , 2014, 2014, 1-2.	2.0	3
75	Evaluation of the Hypolipidemic Properties of Cocoa Shell after Simulated Digestion Using In Vitro Techniques and a Cell Culture Model of Non-Alcoholic Fatty Liver Disease. <i>Proceedings (mdpi)</i> , 2020, 70, .	0.2	3
76	Fetal Undernutrition and Oxidative Stress: Influence of Sex and Gender. , 2017, , 1-19.		2
77	Construction and validation of a systematization instrument for nursing in intensive care. <i>Revista Da Rede De Enfermagem Do Nordeste</i> , 2015, 16, 461.	0.2	2
78	Bioaccessibility of Phenolic Compounds from Cocoa Shell Subjected to In Vitro Digestion and Its Antioxidant Activity in Intestinal and Hepatic Cells. <i>Medical Sciences Forum</i> , 2020, 2, .	0.0	2
79	Antioxidant Foods and Cardiometabolic Health. <i>Antioxidants</i> , 2022, 11, 746.	5.2	2
80	Evaluation of Parameters Which Influence Voluntary Ingestion of Supplements in Rats. <i>Animals</i> , 2023, 13, 1827.	2.3	2
81	Dynamic causality between <sc>PPI</sc> and <sc>CPI</sc> in China: A rolling window bootstrap approach. <i>International Journal of Finance and Economics</i> , 2023, 28, 1279-1289.	3.3	1
82	Higher risk of late-onset sepsis in very low birth weight male preterm infants. <i>Medicina Universitaria</i> , 2021, 20, .	0.0	1
83	Vascular nitrosative stress in hypertension induced by fetal undernutrition in rats. <i>Journal of Physiology and Biochemistry</i> , 2023, 79, 555-568.	3.1	1
84	(Invited) Graphene Nanoribbon Growth and Dual-Gated Graphene Transistors. <i>ECS Transactions</i> , 2013, 53, 109-120.	0.6	0
85	Fetal Undernutrition and Oxidative Stress: Influence of Sex and Gender. , 2019, , 1395-1413.		0
86	Hypolipidemic Properties of Cocoa and Coffee By-Products after Simulated Gastrointestinal Digestion: A Comparative Approach. <i>Biology and Life Sciences Forum</i> , 2021, 7, 1.	0.0	0
87	Role of the Phytochemicals from the Cocoa Shell on the Prevention of Metabolic Syndrome by an Integrated Network Pharmacology Analysis. <i>Biology and Life Sciences Forum</i> , 2021, 7, .	0.0	0
88	Gastrointestinal Digestion and Absorption of Antioxidant Phenolic Compounds and Caffeine from the Coffee Pulp under Simulated Conditions. <i>Biology and Life Sciences Forum</i> , 2022, 12, .	0.0	0
89	Role of lamin A/C on dendritic cell function in antiviral immunity. <i>Cellular and Molecular Life Sciences</i> , 2024, 81, .	5.5	0
90	Resistance artery vasodilator pathways involved in the antihypertensive effects of cocoa shell extract in rats exposed to fetal undernutrition. <i>Journal of Physiology</i> , 0, , .	2.9	0