

Josã© Eduardo Tanus-Santos

List of Publications by Year in descending order

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330
papers

12,838
citations

30070

54
h-index

39675

94
g-index

331
all docs

331
docs citations

331
times ranked

10996
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell-free hemoglobin limits nitric oxide bioavailability in sickle-cell disease. <i>Nature Medicine</i> , 2002, 8, 1383-1389.	30.7	1,096
2	A Critical Review of Biomarkers Used for Monitoring Human Exposure to Lead: Advantages, Limitations, and Future Needs. <i>Environmental Health Perspectives</i> , 2005, 113, 1669-1674.	6.0	587
3	Cell-free hemoglobin limits nitric oxide bioavailability in sickle-cell disease. <i>Nature Medicine</i> , 2002, 8, 1383-1389.	30.7	496
4	Small-Dose Inhaled Nitric Oxide Attenuates Hemodynamic Changes After Pulmonary Air Embolism in Dogs. <i>Anesthesia and Analgesia</i> , 1999, 88, 1025-1029.	2.2	309
5	Effects of ethnicity on the distribution of clinically relevant endothelial nitric oxide variants. <i>Pharmacogenetics and Genomics</i> , 2001, 11, 719-725.	5.7	270
6	Metalloproteinase inhibition ameliorates hypertension and prevents vascular dysfunction and remodeling in renovascular hypertensive rats. <i>Atherosclerosis</i> , 2008, 198, 320-331.	0.8	170
7	Nitric Oxide Formation Is Inversely Related to Serum Levels of Antiangiogenic Factors Soluble Fms-Like Tyrosine Kinase-1 and Soluble Endogline in Preeclampsia. <i>Hypertension</i> , 2008, 52, 402-407.	2.7	161
8	Biological activity of nitric oxide in the plasmatic compartment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 11477-11482.	7.1	144
9	Antioxidant treatment reduces matrix metalloproteinase-2-induced vascular changes in renovascular hypertension. <i>Free Radical Biology and Medicine</i> , 2009, 46, 1298-1307.	2.9	143
10	Consistent interethnic differences in the distribution of clinically relevant endothelial nitric oxide synthase genetic polymorphisms. <i>Nitric Oxide - Biology and Chemistry</i> , 2005, 12, 177-182.	2.7	140
11	Sodium nitrite downregulates vascular NADPH oxidase and exerts antihypertensive effects in hypertension. <i>Free Radical Biology and Medicine</i> , 2011, 51, 144-152.	2.9	123
12	Gingival crevicular fluid levels of MMP-8, MMP-9, TIMP-2, and MPO decrease after periodontal therapy. <i>Journal of Clinical Periodontology</i> , 2010, 37, 180-190.	4.9	119
13	Circulating Interleukin-6 and High-Sensitivity C-Reactive Protein Decrease After Periodontal Therapy in Otherwise Healthy Subjects. <i>Journal of Periodontology</i> , 2009, 80, 594-602.	3.4	118
14	Effect of anticoagulants on the determination of plasma matrix metalloproteinase (MMP)-2 and MMP-9 activities. <i>Analytical Biochemistry</i> , 2005, 344, 147-149.	2.4	115
15	Methodological issues affecting the determination of plasma matrix metalloproteinase (MMP)-2 and MMP-9 activities. <i>Clinical Biochemistry</i> , 2005, 38, 410-414.	1.9	109
16	Rapid separation of serum does not avoid artificially higher matrix metalloproteinase (MMP)-9 levels in serum versus plasma. <i>Clinical Biochemistry</i> , 2007, 40, 119-123.	1.9	104
17	Effects of endothelial nitric oxide synthase gene polymorphisms on platelet function, nitric oxide release, and interactions with estradiol. <i>Pharmacogenetics and Genomics</i> , 2002, 12, 407-413.	5.7	101
18	Imbalance between matrix metalloproteinases and tissue inhibitor of metalloproteinases in hypertensive vascular remodeling. <i>Matrix Biology</i> , 2010, 29, 194-201.	3.6	100

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19	Modulation of nitric oxide formation by endothelial nitric oxide synthase gene haplotypes. <i>Free Radical Biology and Medicine</i> , 2007, 43, 987-992.	2.9	97
20	Comparative assessment of matrix metalloproteinase (MMP)-2 and MMP-9, and their inhibitors, tissue inhibitors of metalloproteinase (TIMP)-1 and TIMP-2 in preeclampsia and gestational hypertension. <i>Clinical Biochemistry</i> , 2008, 41, 875-880.	1.9	95
21	Endothelial nitric oxide synthase: From biochemistry and gene structure to clinical implications of NOS3 polymorphisms. <i>Gene</i> , 2016, 575, 584-599.	2.2	95
22	Protective effects of atorvastatin in rat models of acute pulmonary embolism: Involvement of matrix metalloproteinase-9*. <i>Critical Care Medicine</i> , 2007, 35, 239-245.	0.9	94
23	Hemolysis during cardiac surgery is associated with increased intravascular nitric oxide consumption and perioperative kidney and intestinal tissue damage. <i>Frontiers in Physiology</i> , 2014, 5, 340.	2.8	94
24	Endothelial nitric oxide synthase gene haplotypes associated with circulating concentrations of nitric oxide products in healthy men. <i>Pharmacogenetics and Genomics</i> , 2005, 15, 565-570.	1.5	91
25	Susceptible and protective eNOS haplotypes in hypertensive black and white subjects. <i>Atherosclerosis</i> , 2006, 186, 428-432.	0.8	91
26	Spironolactone and hydrochlorothiazide exert antioxidant effects and reduce vascular matrix metalloproteinase activity and expression in a model of renovascular hypertension. <i>British Journal of Pharmacology</i> , 2010, 160, 77-87.	5.4	86
27	Lercanidipine Reduces Matrix Metalloproteinase-9 Activity in Patients With Hypertension. <i>Journal of Cardiovascular Pharmacology</i> , 2006, 47, 117-122.	1.9	83
28	eNOS haplotypes associated with gestational hypertension or preeclampsia. <i>Pharmacogenomics</i> , 2008, 9, 1467-1473.	1.3	82
29	Increased circulating levels of matrix metalloproteinase (MMP)-8, MMP-9, and pro-inflammatory markers in patients with metabolic syndrome. <i>Clinica Chimica Acta</i> , 2009, 403, 173-177.	1.1	81
30	L-Arginine attenuates acute pulmonary embolism-induced oxidative stress and pulmonary hypertension. <i>Nitric Oxide - Biology and Chemistry</i> , 2005, 12, 9-14.	2.7	80
31	Matrix metalloproteinases: Targets for doxycycline to prevent the vascular alterations of hypertension. <i>Pharmacological Research</i> , 2011, 64, 567-572.	7.1	80
32	Sildenafil selectively inhibits acute pulmonary embolism-induced pulmonary hypertension. <i>Pulmonary Pharmacology and Therapeutics</i> , 2005, 18, 181-186.	2.6	79
33	Nonselective Endothelin-Receptor Antagonism Attenuates Hemodynamic Changes After Massive Pulmonary Air Embolism in Dogs. <i>Chest</i> , 2000, 118, 175-179.	0.8	78
34	The Effect of Sildenafil on Pulmonary Embolism-Induced Oxidative Stress and Pulmonary Hypertension. <i>Anesthesia and Analgesia</i> , 2005, 101, 115-120.	2.2	77
35	Influence of eNOS haplotypes on the plasma nitric oxide products concentrations in hypertensive and type 2 diabetes mellitus patients. <i>Nitric Oxide - Biology and Chemistry</i> , 2007, 16, 348-355.	2.7	77
36	Endothelial nitric oxide synthase haplotypes affect the susceptibility to hypertension in patients with type 2 diabetes mellitus. <i>Atherosclerosis</i> , 2006, 189, 241-246.	0.8	75

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37	Circulating matrix metalloproteinase-8 (MMP-8) and MMP-9 are increased in chronic periodontal disease and decrease after non-surgical periodontal therapy. <i>Clinica Chimica Acta</i> , 2009, 409, 117-122.	1.1	75
38	eNOS gene T-786C polymorphism modulates atorvastatin-induced increase in blood nitrite. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1044-1049.	2.9	74
39	Low-dose intravenous nitrite improves hemodynamics in a canine model of acute pulmonary thromboembolism. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1764-1770.	2.9	74
40	Anti-inflammatory effects of atorvastatin: Modulation by the T-786C polymorphism in the endothelial nitric oxide synthase gene. <i>Atherosclerosis</i> , 2007, 193, 438-444.	0.8	71
41	Circulating matrix metalloproteinases and their inhibitors in hypertension. <i>Clinica Chimica Acta</i> , 2012, 413, 656-662.	1.1	71
42	Increase in gastric pH reduces hypotensive effect of oral sodium nitrite in rats. <i>Free Radical Biology and Medicine</i> , 2012, 53, 701-709.	2.9	71
43	Gastric S-nitrosothiol formation drives the antihypertensive effects of oral sodium nitrite and nitrate in a rat model of renovascular hypertension. <i>Free Radical Biology and Medicine</i> , 2015, 87, 252-262.	2.9	71
44	Blood transfusions increase circulating plasma free hemoglobin levels and plasma nitric oxide consumption: a prospective observational pilot study. <i>Critical Care</i> , 2012, 16, R95.	5.8	69
45	Matrix Metalloproteinase Inhibition Improves Cardiac Dysfunction and Remodeling in 2-Kidney, 1-Clip Hypertension. <i>Journal of Cardiac Failure</i> , 2010, 16, 599-608.	1.7	67
46	Matrix metalloproteinase-9 and tissue inhibitor of metalloproteinase-1 in congestive heart failure. <i>American Heart Journal</i> , 2006, 152, e9.	2.7	65
47	Inducible Nitric Oxide Synthase as a Possible Target in Hypertension. <i>Current Drug Targets</i> , 2014, 15, 164-174.	2.1	64
48	Atorvastatin enhances sildenafil-induced vasodilation through nitric oxide-mediated mechanisms. <i>European Journal of Pharmacology</i> , 2004, 498, 189-194.	3.5	62
49	Effects of statins on matrix metalloproteinases and their endogenous inhibitors in human endothelial cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2011, 383, 547-554.	3.0	62
50	Time course involvement of matrix metalloproteinases in the vascular alterations of renovascular hypertension. <i>Matrix Biology</i> , 2012, 31, 261-270.	3.6	62
51	Enhanced concentrations of relevant markers of nitric oxide formation after exercise training in patients with metabolic syndrome. <i>Nitric Oxide - Biology and Chemistry</i> , 2008, 19, 345-350.	2.7	61
52	Nebivolol attenuates prooxidant and profibrotic mechanisms involving TGF- β 2 and MMPs, and decreases vascular remodeling in renovascular hypertension. <i>Free Radical Biology and Medicine</i> , 2013, 65, 47-56.	2.9	61
53	Doxycycline ameliorates 2K-1C hypertension-induced vascular dysfunction in rats by attenuating oxidative stress and improving nitric oxide bioavailability. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 26, 162-168.	2.7	60
54	Effects of eNOS polymorphisms on nitric oxide formation in healthy pregnancy and in pre-eclampsia. <i>Molecular Human Reproduction</i> , 2010, 16, 506-510.	2.8	57

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55	Association between matrix metalloproteinase (MMP)-2 polymorphisms and MMP-2 levels in hypertensive disorders of pregnancy. <i>Experimental and Molecular Pathology</i> , 2012, 92, 217-221.	2.1	57
56	Assessment of matrix metalloproteinase (MMP)-2, MMP-8, MMP-9, and their inhibitors, the tissue inhibitors of metalloproteinase (TIMP)-1 and TIMP-2 in obese children and adolescents. <i>Clinical Biochemistry</i> , 2009, 42, 984-990.	1.9	56
57	Matrix Metalloproteinases as Drug Targets in Preeclampsia. <i>Current Drug Targets</i> , 2013, 14, 325-334.	2.1	56
58	The Hemodynamic Effects of Endothelin Receptor Antagonism During a Venous Air Infusion in Dogs. <i>Anesthesia and Analgesia</i> , 2000, 90, 102-106.	2.2	54
59	Vascular endothelial growth factor genotypes and haplotypes are associated with pre-eclampsia but not with gestational hypertension. <i>Molecular Human Reproduction</i> , 2008, 15, 115-120.	2.8	54
60	Endothelial nitric oxide synthase haplotypes are related to blood pressure elevation, but not to resistance to antihypertensive drug therapy. <i>Journal of Hypertension</i> , 2006, 24, 2393-2397.	0.5	52
61	Evaluation of plasmatic MMP-8, MMP-9, TIMP-1 and MPO levels in obese and lean women. <i>Clinical Biochemistry</i> , 2012, 45, 412-415.	1.9	52
62	Clinical and pharmacogenetic impact of endothelial nitric oxide synthase polymorphisms on cardiovascular diseases. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 63, 39-51.	2.7	52
63	Temporal changes in cardiac matrix metalloproteinase activity, oxidative stress, and TGF- β 2 in renovascular hypertension-induced cardiac hypertrophy. <i>Experimental and Molecular Pathology</i> , 2013, 94, 1-9.	2.1	51
64	L-arginine Attenuates Acute Pulmonary Embolism-Induced Increases in Lung Matrix Metalloproteinase-2 and Matrix Metalloproteinase-9. <i>Chest</i> , 2005, 128, 3705-3710.	0.8	50
65	eNOS genotype is without effect on circulating nitrite/nitrate level in healthy male population. <i>Thrombosis Research</i> , 2005, 115, 375-379.	1.7	50
66	Consistent antioxidant and antihypertensive effects of oral sodium nitrite in DOCA-salt hypertension. <i>Redox Biology</i> , 2015, 5, 340-346.	9.0	50
67	Hemodynamic effects of combined sildenafil and l-arginine during acute pulmonary embolism-induced pulmonary hypertension. <i>European Journal of Pharmacology</i> , 2005, 524, 126-131.	3.5	49
68	A polymorphism in the delta-aminolevulinic acid dehydratase gene modifies plasma/whole blood lead ratio. <i>Archives of Toxicology</i> , 2006, 80, 394-398.	4.2	49
69	Quercetin decreases the activity of matrix metalloproteinase-2 and ameliorates vascular remodeling in renovascular hypertension. <i>Atherosclerosis</i> , 2018, 270, 146-153.	0.8	49
70	Inhibition of Matrix Metalloproteinases (MMPs) as a Potential Strategy to Ameliorate Hypertension-Induced Cardiovascular Alterations. <i>Current Drug Targets</i> , 2013, 14, 335-343.	2.1	49
71	Doxycycline Dose-dependently Inhibits MMP-mediated Vascular Changes in 2K1C Hypertension. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2011, 108, 318-325.	2.5	48
72	Lercanidipine reduces matrix metalloproteinase-2 activity and reverses vascular dysfunction in renovascular hypertensive rats. <i>European Journal of Pharmacology</i> , 2008, 591, 224-230.	3.5	47

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73	Metalloproteinase inhibition protects against cardiomyocyte injury during experimental acute pulmonary thromboembolism*. <i>Critical Care Medicine</i> , 2011, 39, 349-356.	0.9	47
74	Consistent Alterations of Circulating Matrix Metalloproteinases Levels in Untreated Hypertensives and in Spontaneously Hypertensive Rats: A Relevant Pharmacological Target. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2011, 109, 130-137.	2.5	47
75	Salivary MMPs, TIMPs, and MPO levels in periodontal disease patients and controls. <i>Clinica Chimica Acta</i> , 2013, 421, 140-146.	1.1	46
76	Transdermal nicotine mimics the smoking-induced endothelial dysfunction. <i>Clinical Pharmacology and Therapeutics</i> , 2000, 68, 167-174.	4.7	45
77	Haplotypes of vitamin D receptor modulate the circulating levels of lead in exposed subjects. <i>Archives of Toxicology</i> , 2008, 82, 29-36.	4.2	45
78	Increased circulating cell-free hemoglobin levels reduce nitric oxide bioavailability in preeclampsia. <i>Free Radical Biology and Medicine</i> , 2010, 49, 493-500.	2.9	45
79	Tempol inhibits TGF- β 2 and MMPs upregulation and prevents cardiac hypertensive changes. <i>International Journal of Cardiology</i> , 2013, 165, 165-173.	1.7	45
80	Hemodynamic Benefits of Matrix Metalloproteinase-9 Inhibition by Doxycycline During Experimental Acute Pulmonary Embolism. <i>Angiology</i> , 2005, 56, 611-617.	1.8	44
81	Quercetin restores plasma nitrite and nitroso species levels in renovascular hypertension. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2010, 382, 293-301.	3.0	44
82	Clinical evidence for lead-induced inhibition of nitric oxide formation. <i>Archives of Toxicology</i> , 2006, 80, 811-816.	4.2	43
83	Lead in saliva from lead-exposed and unexposed children. <i>Science of the Total Environment</i> , 2009, 407, 1547-1550.	8.0	43
84	Genetic polymorphism of matrix metalloproteinase (MMP)-9 does not affect plasma MMP-9 activity in healthy subjects. <i>Clinica Chimica Acta</i> , 2006, 365, 183-187.	1.1	42
85	Matrix metalloproteinase (MMP)-9 genotypes and haplotypes in preeclampsia and gestational hypertension. <i>Clinica Chimica Acta</i> , 2010, 411, 874-877.	1.1	42
86	Functional polymorphisms in the promoter of the matrix metalloproteinase-9 (MMP-9) gene are not linked with significant plasma MMP-9 variations in healthy subjects. <i>Clinical Chemistry and Laboratory Medicine</i> , 2008, 46, 57-63.	2.3	41
87	Is There a Place for Inhaled Nitric Oxide in the Therapy of Acute Pulmonary Embolism?. <i>Treatments in Respiratory Medicine</i> , 2002, 1, 167-176.	1.2	40
88	Hemodynamic effects of sildenafil interaction with a nitric oxide donor compound in a dog model of acute pulmonary embolism. <i>Life Sciences</i> , 2006, 79, 469-474.	4.3	40
89	Antihypertensive and antioxidant effects of a single daily dose of sodium nitrite in a model of renovascular hypertension. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2012, 385, 509-517.	3.0	40
90	Omeprazole impairs vascular redox biology and causes xanthine oxidoreductase-mediated endothelial dysfunction. <i>Redox Biology</i> , 2016, 9, 134-143.	9.0	40

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91	A role for matrix metalloproteinase-9 in the hemodynamic changes following acute pulmonary embolism. <i>International Journal of Cardiology</i> , 2007, 114, 22-27.	1.7	39
92	TEMPOL enhances the antihypertensive effects of sodium nitrite by mechanisms facilitating nitrite-derived gastric nitric oxide formation. <i>Free Radical Biology and Medicine</i> , 2013, 65, 446-455.	2.9	39
93	Positive correlations between circulating adiponectin and MMP2 in preeclampsia pregnant. <i>Pregnancy Hypertension</i> , 2015, 5, 205-208.	1.4	39
94	Sildenafil reduces cardiovascular remodeling associated with hypertensive cardiomyopathy in NOS inhibitor-treated rats. <i>European Journal of Pharmacology</i> , 2006, 542, 141-147.	3.5	38
95	Endothelial Nitric Oxide Synthase Haplotypes Associated with Aura in Patients with Migraine. <i>DNA and Cell Biology</i> , 2011, 30, 363-369.	1.9	37
96	Imbalanced circulating matrix metalloproteinases in polycystic ovary syndrome. <i>Molecular and Cellular Biochemistry</i> , 2011, 353, 251-257.	3.1	37
97	Antioxidant effect of doxycycline decreases MMP activity and blood pressure in SHR. <i>Molecular and Cellular Biochemistry</i> , 2014, 386, 99-105.	3.1	37
98	Î²1-Adrenergic blockers exert antioxidant effects, reduce matrix metalloproteinase activity, and improve renovascular hypertension-induced cardiac hypertrophy. <i>Free Radical Biology and Medicine</i> , 2014, 73, 308-317.	2.9	37
99	Whole blood, serum, and saliva lead concentrations in 6- to 8-year-old children. <i>Science of the Total Environment</i> , 2010, 408, 1551-1556.	8.0	36
100	Inverse relationship between markers of nitric oxide formation and plasma matrix metalloproteinase-9 levels in healthy volunteers. <i>Clinica Chimica Acta</i> , 2008, 394, 72-76.	1.1	35
101	Isoflavone genistein inhibits the angiotensin-converting enzyme and alters the vascular responses to angiotensin I and bradykinin. <i>European Journal of Pharmacology</i> , 2009, 607, 173-177.	3.5	35
102	Endothelial Nitric Oxide Synthase Polymorphisms and Haplotypes in Amerindians. <i>DNA and Cell Biology</i> , 2009, 28, 329-334.	1.9	35
103	A Pharmacogenetics-based Approach to Reduce Cardiovascular Mortality with the Prophylactic Use of Statins. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2010, 106, 357-361.	2.5	35
104	Interethnic differences in ADMA concentrations and negative association with nitric oxide formation in preeclampsia. <i>Clinica Chimica Acta</i> , 2010, 411, 1457-1460.	1.1	35
105	Inducible nitric oxide synthase haplotype associated with migraine and aura. <i>Molecular and Cellular Biochemistry</i> , 2012, 364, 303-308.	3.1	35
106	Matrix metalloproteinase (MMP)-2 gene polymorphisms affect circulating MMP-2 levels in patients with migraine with aura. <i>Gene</i> , 2013, 512, 35-40.	2.2	35
107	Interaction among nitric oxide (NO)-related genes in migraine susceptibility. <i>Molecular and Cellular Biochemistry</i> , 2012, 370, 183-189.	3.1	34
108	Atorvastatin and sildenafil lower blood pressure and improve endothelial dysfunction, but only atorvastatin increases vascular stores of nitric oxide in hypertension. <i>Redox Biology</i> , 2013, 1, 578-585.	9.0	34

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109	Increased Circulating MMP-2 Levels in Infertile Patients With Moderate and Severe Pelvic Endometriosis. <i>Reproductive Sciences</i> , 2013, 20, 557-562.	2.5	33
110	Oral nitrite circumvents antiseptic mouthwash-induced disruption of enterosalivary circuit of nitrate and promotes nitrosation and blood pressure lowering effect. <i>Free Radical Biology and Medicine</i> , 2016, 101, 226-235.	2.9	33
111	Nitrite or sildenafil, but not BAY 41-2272, blunt acute pulmonary embolism-induced increases in circulating matrix metalloproteinase-9 and oxidative stress. <i>Thrombosis Research</i> , 2009, 124, 349-355.	1.7	32
112	Contrasting effects of aliskiren versus losartan on hypertensive vascular remodeling. <i>International Journal of Cardiology</i> , 2013, 167, 1199-1205.	1.7	32
113	The potential of stimulating nitric oxide formation in the treatment of hypertension. <i>Expert Opinion on Therapeutic Targets</i> , 2017, 21, 543-556.	3.4	32
114	Mechanisms impairing blood pressure responses to nitrite and nitrate. <i>Nitric Oxide - Biology and Chemistry</i> , 2019, 85, 35-43.	2.7	32
115	Matrix Metalloproteinases and Arterial Hypertension: Role of Oxidative Stress and Nitric Oxide in Vascular Functional and Structural Alterations. <i>Biomolecules</i> , 2021, 11, 585.	4.0	32
116	Positive correlations between serum and plasma matrix metalloproteinase (MMP)-2 or MMP-9 levels in disease conditions. <i>Clinical Chemistry and Laboratory Medicine</i> , 2009, 47, 888-91.	2.3	31
117	Epistasis among eNOS, MMP-9 and VEGF maternal genotypes in hypertensive disorders of pregnancy. <i>Hypertension Research</i> , 2012, 35, 917-921.	2.7	31
118	Inducible nitric oxide synthase haplotype associated with hypertension and responsiveness to antihypertensive drug therapy. <i>Gene</i> , 2013, 515, 391-395.	2.2	31
119	Antihypertensive effects of inducible nitric oxide synthase inhibition in experimental pre-eclampsia. <i>Journal of Cellular and Molecular Medicine</i> , 2013, 17, 1300-1307.	3.6	31
120	eNOS genotype-dependent correlation between whole blood lead and plasma nitric oxide products concentrations. <i>Nitric Oxide - Biology and Chemistry</i> , 2006, 14, 58-64.	2.7	30
121	Endothelial nitric oxide synthase genotype and haplotype are not associated with diabetic retinopathy in diabetes type 2 patients. <i>Nitric Oxide - Biology and Chemistry</i> , 2006, 15, 417-422.	2.7	30
122	Dose-dependent beneficial hemodynamic effects of BAY 41-2272 in a canine model of acute pulmonary thromboembolism. <i>European Journal of Pharmacology</i> , 2008, 581, 132-137.	3.5	30
123	Lercanidipine decreases vascular matrix metalloproteinase-2 activity and protects against vascular dysfunction in diabetic rats. <i>European Journal of Pharmacology</i> , 2008, 599, 110-116.	3.5	30
124	Matrix metalloproteinase 9 gene haplotypes affect left ventricular hypertrophy in hypertensive patients. <i>Clinica Chimica Acta</i> , 2010, 411, 1940-1944.	1.1	30
125	Hemodynamic effects of inducible nitric oxide synthase inhibition combined with sildenafil during acute pulmonary embolism. <i>Nitric Oxide - Biology and Chemistry</i> , 2010, 23, 284-288.	2.7	30
126	Pharmacogenetics of erectile dysfunction: navigating into uncharted waters. <i>Pharmacogenomics</i> , 2014, 15, 1519-1538.	1.3	30

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127	Vascular xanthine oxidoreductase contributes to the antihypertensive effects of sodium nitrite in l-NAME hypertension. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2014, 387, 591-598.	3.0	30
128	Vascular Damage in Resistant Hypertension: TNF-Alpha Inhibition Effects on Endothelial Cells. <i>BioMed Research International</i> , 2015, 2015, 1-8.	1.9	30
129	Atorvastatin and sildenafil decrease vascular TGF- β^2 levels and MMP-2 activity and ameliorate arterial remodeling in a model of renovascular hypertension. <i>Redox Biology</i> , 2015, 6, 386-395.	9.0	30
130	Plasma from pre-eclamptic patients induces the expression of the anti-angiogenic miR-195 in endothelial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2016, 20, 1198-1200.	3.6	30
131	Endothelin ETA receptor antagonism attenuates the pressor effects of nicotine in rats. <i>European Journal of Pharmacology</i> , 2000, 396, 33-37.	3.5	29
132	Circulating cell-free DNA levels in plasma increase with severity in experimental acute pulmonary thromboembolism. <i>Clinica Chimica Acta</i> , 2009, 409, 112-116.	1.1	29
133	Fluoride increases lead concentrations in whole blood and in calcified tissues from lead-exposed rats. <i>Toxicology</i> , 2010, 271, 21-26.	4.2	29
134	Interethnic Differences in the Distribution of Matrix Metalloproteinases Genetic Polymorphisms Are Consistent with Interethnic Differences in Disease Prevalence. <i>DNA and Cell Biology</i> , 2010, 29, 649-655.	1.9	29
135	Vascular Endothelial Growth Factor Genetic Polymorphisms and Haplotypes in Women with Migraine. <i>DNA and Cell Biology</i> , 2010, 29, 357-362.	1.9	29
136	Comparative study on antioxidant effects and vascular matrix metalloproteinase-2 downregulation by dihydropyridines in renovascular hypertension. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2011, 383, 35-44.	3.0	29
137	Relationship between adiponectin and nitrite in healthy and preeclampsia pregnancies. <i>Clinica Chimica Acta</i> , 2013, 423, 112-115.	1.1	29
138	Hydrogen peroxide modulates phenylephrine-induced contractile response in renal hypertensive rat aorta. <i>European Journal of Pharmacology</i> , 2013, 721, 193-200.	3.5	29
139	NADPH Oxidase Plays a Role on Ethanol-Induced Hypertension and Reactive Oxygen Species Generation in the Vasculature. <i>Alcohol and Alcoholism</i> , 2016, 51, 522-534.	1.6	29
140	Antioxidant and antihypertensive responses to oral nitrite involves activation of the Nrf2 pathway. <i>Free Radical Biology and Medicine</i> , 2019, 141, 261-268.	2.9	29
141	Sildenafil Improves the Beneficial Haemodynamic Effects of Intravenous Nitrite Infusion during Acute Pulmonary Embolism. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2008, 103, 374-379.	2.5	28
142	Evidence for the involvement of matrix metalloproteinases in the cardiovascular effects produced by nicotine. <i>European Journal of Pharmacology</i> , 2010, 627, 216-222.	3.5	28
143	The Nuclear Factor κ B Inhibitor Pyrrolidine Dithiocarbamate Prevents Cardiac Remodelling and Matrix Metalloproteinase-2 Up-Regulation in Renovascular Hypertension. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2015, 117, 234-241.	2.5	28
144	Matrix Metalloproteinases on Severe COVID-19 Lung Disease Pathogenesis: Cooperative Actions of MMP-8/MMP-2 Axis on Immune Response through HLA-G Shedding and Oxidative Stress. <i>Biomolecules</i> , 2022, 12, 604.	4.0	28

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145	Differences in both matrix metalloproteinase 9 concentration and zymographic profile between plasma and serum with clot activators are due to the presence of amorphous silica or silicate salts in blood collection devices. <i>Analytical Biochemistry</i> , 2008, 374, 56-63.	2.4	27
146	Matrix metalloproteinase-9 genotypes and haplotypes are associated with multiple sclerosis and with the degree of disability of the disease. <i>Journal of Neuroimmunology</i> , 2009, 214, 128-131.	2.3	27
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150	Matrix Metalloproteinase-9 Activity in Plasma Correlates with Plasma and Whole Blood Lead Concentrations. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2006, 98, 559-564.	2.5	26
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154	Sildenafil improves the beneficial hemodynamic effects exerted by atorvastatin during acute pulmonary thromboembolism. <i>European Journal of Pharmacology</i> , 2011, 670, 554-560.	3.5	25
155	Effect of metabolic syndrome risk factors and MMP-2 genetic variations on circulating MMP-2 levels in childhood obesity. <i>Molecular Biology Reports</i> , 2013, 40, 2697-2704.	2.3	25
156	Relationship between Arginase 1 and Arginase 2 levels and genetic polymorphisms with erectile dysfunction. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 51, 36-42.	2.7	25
157	Nitrate decreases xanthine oxidoreductase-mediated nitrite reductase activity and attenuates vascular and blood pressure responses to nitrite. <i>Redox Biology</i> , 2017, 12, 291-299.	9.0	25
158	<p></p>Pharmacogenomics And Hypertension: Current Insights</p>. <i>Pharmacogenomics and Personalized Medicine</i> , 2019, Volume 12, 341-359.	0.7	25
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160	Interethnic Differences in the Distribution of Clinically Relevant Vascular Endothelial Growth Factor Genetic Polymorphisms. <i>DNA and Cell Biology</i> , 2009, 28, 567-572.	1.9	24
161	Vitamin D receptor polymorphisms in hypertensive disorders of pregnancy. <i>Molecular Biology Reports</i> , 2012, 39, 10903-10906.	2.3	24
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164	Nitrite exerts antioxidant effects, inhibits the mTOR pathway and reverses hypertension-induced cardiac hypertrophy. <i>Free Radical Biology and Medicine</i> , 2018, 120, 25-32.	2.9	24
165	Nitrite treatment downregulates vascular MMP-2 activity and inhibits vascular remodeling in hypertension independently of its antihypertensive effects. <i>Free Radical Biology and Medicine</i> , 2019, 130, 234-243.	2.9	24
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170	Ethanol consumption increases the expression of endothelial nitric oxide synthase, inducible nitric oxide synthase and metalloproteinases in the rat kidney. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 64, 68-76.	2.4	23
171	A common matrix metalloproteinase (MMP)-2 polymorphism affects plasma MMP-2 levels in subjects environmentally exposed to mercury. <i>Science of the Total Environment</i> , 2011, 409, 4242-4246.	8.0	23
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175	eNOS polymorphism associated with metabolic syndrome in children and adolescents. <i>Molecular and Cellular Biochemistry</i> , 2013, 372, 155-160.	3.1	22
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178	Functional MMP-9 polymorphisms modulate plasma MMP-9 levels in multiple sclerosis patients. <i>Journal of Neuroimmunology</i> , 2012, 249, 56-59.	2.3	21
179	eNOS Tag SNP Haplotypes in Hypertensive Disorders of Pregnancy. <i>DNA and Cell Biology</i> , 2012, 31, 1665-1670.	1.9	21
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185	Effects of endothelial nitric oxide synthase tagSNPs haplotypes on nitrite levels in black subjects. <i>Nitric Oxide - Biology and Chemistry</i> , 2013, 28, 33-38.	2.7	20
186	Tempol improves xanthine oxidoreductase-mediated vascular responses to nitrite in experimental renovascular hypertension. <i>Redox Biology</i> , 2016, 8, 398-406.	9.0	20
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202	Elevated Plasma Hemoglobin Levels Increase Nitric Oxide Consumption in Experimental and Clinical Acute Pulmonary Thromboembolism*. <i>Critical Care Medicine</i> , 2013, 41, e118-e124.	0.9	17
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208	Alterations in cyclic GMP levels in preeclampsia may reflect increased B-type natriuretic peptide levels and not impaired nitric oxide activity. <i>Clinical Biochemistry</i> , 2011, 44, 1012-1014.	1.9	16
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213	Small-Dose Inhaled Nitric Oxide Attenuates Hemodynamic Changes After Pulmonary Air Embolism in Dogs. <i>Anesthesia and Analgesia</i> , 1999, 88, 1025-1029.	2.2	15
214	The relationship between training status, blood pressure and uric acid in adults and elderly. <i>BMC Cardiovascular Disorders</i> , 2013, 13, 44.	1.7	15
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220	Oral nitrite treatment increases S-nitrosylation of vascular protein kinase C and attenuates the responses to angiotensin II. <i>Redox Biology</i> , 2021, 38, 101769.	9.0	14
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222	Preanalytical pitfalls of blood sampling to measure true circulating matrix metalloproteinase 9 and tissue inhibitors of matrix metalloproteinases. <i>Clinica Chimica Acta</i> , 2006, 373, 180-181.	1.1	13
223	Vascular Endothelial Growth Factor Haplotypes Associated with Childhood Obesity. <i>DNA and Cell Biology</i> , 2011, 30, 709-714.	1.9	13
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225	Matrix metalloproteinase inhibition attenuates right ventricular dysfunction and improves responses to dobutamine during acute pulmonary thromboembolism. <i>Journal of Cellular and Molecular Medicine</i> , 2013, 17, 1588-1597.	3.6	13
226	Captopril and Lisinopril Only Inhibit Matrix Metalloproteinase (MMP)-2 Activity at Millimolar Concentrations. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2014, 114, 233-239.	2.5	13
227	Inducible Nitric Oxide Synthase Polymorphisms and Nitric Oxide Levels in Individuals with Chronic Periodontitis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1128.	4.1	13
228	Effect of Multicomponent Training on Blood Pressure, Nitric Oxide, Redox Status, and Physical Fitness in Older Adult Women: Influence of Endothelial Nitric Oxide Synthase (NOS3) Haplotypes. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-12.	4.0	13
229	Angiotensin converting enzyme inhibitors enhance the hypotensive effects of propofol by increasing nitric oxide production. <i>Free Radical Biology and Medicine</i> , 2018, 115, 10-17.	2.9	13
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231	Vitamin D receptor haplotypes affect lead levels during pregnancy. <i>Science of the Total Environment</i> , 2010, 408, 4955-4960.	8.0	12
232	Chronic ethanol consumption reduces adrenomedullin-induced relaxation in the isolated rat aorta. <i>Alcohol</i> , 2011, 45, 805-814.	1.7	12
233	Functional matrix metalloproteinase (MMP)-9 genetic variants modify the effects of hemodialysis on circulating MMP-9 levels. <i>Clinica Chimica Acta</i> , 2012, 414, 46-51.	1.1	12
234	Acute cardiac and hemodynamic effects of sildenafil on resistant hypertension. <i>European Journal of Clinical Pharmacology</i> , 2013, 69, 2027-2036.	1.9	12

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236	Pharmacogenetic relevance of endothelial nitric oxide synthase polymorphisms and gene interactions. <i>Pharmacogenomics</i> , 2018, 19, 1423-1435.	1.3	12
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238	Increases in circulating matrix metalloproteinase-9 levels following fibrinolysis for acute pulmonary embolism. <i>Thrombosis Research</i> , 2010, 125, 549-553.	1.7	11
239	Imbalanced matrix metalloproteinase-9 and tissue inhibitor of metalloproteinase-1 activities in patients with thromboangiitis obliterans. <i>Vascular Medicine</i> , 2012, 17, 73-78.	1.5	11
240	nNOS polymorphisms are associated with responsiveness to sildenafil in clinical and postoperative erectile dysfunction. <i>Pharmacogenomics</i> , 2014, 15, 775-784.	1.3	11
241	Association of Mineralocorticoid Receptor Polymorphism I180V With Left Ventricular Hypertrophy in Resistant Hypertension. <i>American Journal of Hypertension</i> , 2016, 29, 245-250.	2.0	11
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244	Matrix Metalloproteinases as Drug Targets in Acute Pulmonary Embolism. <i>Current Drug Targets</i> , 2013, 14, 344-352.	2.1	11
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249	Antihypertensive therapy in pre-eclampsia: effects of plasma from nonresponsive patients on endothelial gene expression. <i>Pharmacogenomics</i> , 2016, 17, 1121-1127.	1.3	10
250	Direct renin inhibition is not enough to prevent reactive oxygen species generation and vascular dysfunction in renovascular hypertension. <i>European Journal of Pharmacology</i> , 2018, 821, 97-104.	3.5	10
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254	Consistent gastric pH-dependent effects of suppressors of gastric acid secretion on the antihypertensive responses to oral nitrite. <i>Biochemical Pharmacology</i> , 2020, 177, 113940.	4.4	10
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257	Endothelial Nitric Oxide Genotypes and Haplotypes Are Not Associated with End-Stage Renal Disease. <i>DNA and Cell Biology</i> , 2011, 30, 55-59.	1.9	9
258	The antioxidant tempol decreases acute pulmonary thromboembolism-induced hemolysis and nitric oxide consumption. <i>Thrombosis Research</i> , 2013, 132, 578-583.	1.7	9
259	Role of adiponectin on antioxidant profile: evaluation during healthy and hypertensive disorders of pregnancy. <i>Blood Pressure</i> , 2016, 25, 241-243.	1.5	9
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261	Haplotype analysis can provide improved clinical information than single genotype analysis. <i>Thrombosis Research</i> , 2007, 120, 779.	1.7	8
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267	Maternal Flow-Mediated Dilation and Nitrite Concentration During Third Trimester of Pregnancy and Postpartum Period. <i>Hypertension in Pregnancy</i> , 2013, 32, 225-234.	1.1	7
268	Letter by Pinheiro et al Regarding Article, "Unexpected Effect of Proton Pump Inhibitors: Elevation of the Cardiovascular Risk Factor Asymmetric Dimethylarginine". <i>Circulation</i> , 2014, 129, e427.	1.6	7
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272	Acute administration of nicotine impairs the hypotensive responses to bradykinin in rats. <i>European Journal of Pharmacology</i> , 2001, 413, 241-246.	3.5	6
273	Circulating Matrix Metalloproteinase-9 Levels as a Biomarker of Disease. <i>Clinical Cancer Research</i> , 2005, 11, 8887-8888.	7.0	6
274	Nitric oxide attenuates matrix metalloproteinase-9 production by endothelial cells independent of cGMP- or NF- κ B-mediated mechanisms. <i>Molecular and Cellular Biochemistry</i> , 2013, 378, 127-135.	3.1	6
275	Recombinant Human Matrix Metalloproteinase-2 Impairs Cardiovascular β -Adrenergic Responses. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2013, 112, 103-109.	2.5	6
276	<i>MDR-1</i> C ³⁴³⁵ T polymorphism may affect blood pressure in resistant hypertensive patients independently of its effects on aldosterone release. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2014, 15, 170-176.	1.7	6
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278	Association of endothelial nitric oxide synthase (eNOS) gene polymorphisms and physical fitness levels with plasma nitrite concentrations and arterial blood pressure values in older adults. <i>PLoS ONE</i> , 2018, 13, e0206254.	2.5	6
279	Serum or Plasma Matrix Metalloproteinase (MMP)-9 Levels and Cardiovascular Diseases. <i>Journal of Cardiovascular Translational Research</i> , 2018, 11, 524-525.	2.4	6
280	Arginase II polymorphisms modify the hypotensive responses to propofol by affecting nitric oxide bioavailability. <i>European Journal of Clinical Pharmacology</i> , 2021, 77, 869-877.	1.9	6
281	Tamoxifen and Its Metabolites Cause Acute Vasorelaxation of Aortic Rings by Inducing Vasodilator Prostanoid Synthesis. <i>Journal of Cardiovascular Pharmacology</i> , 2011, 58, 647-653.	1.9	5
282	Losartan exerts no protective effects against acute pulmonary embolism-induced hemodynamic changes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2012, 385, 211-217.	3.0	5
283	DDAH1 and DDAH2 polymorphisms associate with asymmetrical dimethylarginine plasma levels in erectile dysfunction patients but not in healthy controls. <i>Nitric Oxide - Biology and Chemistry</i> , 2019, 92, 11-17.	2.7	5
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