List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7108557/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Lengthâ€independent telomere damage drives postâ€mitotic cardiomyocyte senescence. EMBO Journal, 2019, 38, .	7.8	307
2	Mesenchymal Stem Cells Promote Matrix Metalloproteinase Secretion by Cardiac Fibroblasts and Reduce Cardiac Ventricular Fibrosis After Myocardial Infarction. Stem Cells, 2009, 27, 2734-2743.	3.2	233
3	Oxidative Stress by Monoamine Oxidase Mediates Receptor-Independent Cardiomyocyte Apoptosis by Serotonin and Postischemic Myocardial Injury. Circulation, 2005, 112, 3297-3305.	1.6	230
4	CD4 ⁺ T Cells Promote the Transition From Hypertrophy to Heart Failure During Chronic Pressure Overload. Circulation, 2014, 129, 2111-2124.	1.6	223
5	Monoamine oxidases as sources of oxidants in the heart. Journal of Molecular and Cellular Cardiology, 2014, 73, 34-42.	1.9	197
6	Oxidative Stress–Dependent Sphingosine Kinase-1 Inhibition Mediates Monoamine Oxidase A–Associated Cardiac Cell Apoptosis. Circulation Research, 2007, 100, 41-49.	4.5	176
7	Ex Vivo Pretreatment with Melatonin Improves Survival, Proangiogenic/Mitogenic Activity, and Efficiency of Mesenchymal Stem Cells Injected into Ischemic Kidney. Stem Cells, 2008, 26, 1749-1757.	3.2	170
8	Localization of I2-Imidazoline Binding Sites on Monoamine Oxidases. Journal of Biological Chemistry, 1995, 270, 9856-9861.	3.4	168
9	Intracoronary autologous mononucleated bone marrow cell infusion for acute myocardial infarction: results of the randomized multicenter BONAMI trial. European Heart Journal, 2011, 32, 1748-1757.	2.2	158
10	The elusive family of imidazoline binding sites. Trends in Pharmacological Sciences, 1996, 17, 13-16.	8.7	133
11	Apelin prevents cardiac fibroblast activation and collagen production through inhibition of sphingosine kinase 1. European Heart Journal, 2012, 33, 2360-2369.	2.2	130
12	Age-dependent increase in hydrogen peroxide production by cardiac monoamine oxidase A in rats. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H1460-H1467.	3.2	127
13	Activation of catalase by apelin prevents oxidative stressâ€ŀinked cardiac hypertrophy. FEBS Letters, 2010, 584, 2363-2370.	2.8	125
14	Evidence for imidazoline binding sites in basolateral membranes from rabbit kidney. Biochemical and Biophysical Research Communications, 1987, 147, 1055-1060.	2.1	118
15	p53-PGC-1α Pathway Mediates Oxidative Mitochondrial Damage and Cardiomyocyte Necrosis Induced by Monoamine Oxidase-A Upregulation: Role in Chronic Left Ventricular Dysfunction in Mice. Antioxidants and Redox Signaling, 2013, 18, 5-18.	5.4	117
16	Regulation of JNK/ERK activation, cell apoptosis, and tissue regeneration by monoamine oxidases after renal ischemiaâ€reperfusion. FASEB Journal, 2002, 16, 1129-1131.	0.5	93
17	Carbonyl scavenger and antiatherogenic effects of hydrazine derivatives. Free Radical Biology and Medicine, 2008, 45, 1457-1467.	2.9	92
18	A new hypertrophic mechanism of serotonin in cardiac myocytes: receptorâ€independent ROS generation. FASEB Journal, 2005, 19, 1-15.	0.5	91

#	Article	IF	CITATIONS
19	Reactive oxygen species production by monoamine oxidases in intact cells. Naunyn-Schmiedeberg's Archives of Pharmacology, 1999, 359, 428-431.	3.0	87
20	Monoamine oxidaseâ€A is a novel driver of stressâ€induced premature senescence through inhibition of parkinâ€mediated mitophagy. Aging Cell, 2018, 17, e12811.	6.7	78
21	Platelet derived serotonin drives the activation of rat cardiac fibroblasts by 5-HT2A receptors. Journal of Molecular and Cellular Cardiology, 2009, 46, 518-525.	1.9	76
22	Oxidative Stress by Monoamine Oxidase-A Impairs Transcription Factor EB Activation and Autophagosome Clearance, Leading to Cardiomyocyte Necrosis and Heart Failure. Antioxidants and Redox Signaling, 2016, 25, 10-27.	5.4	76
23	Monoamine Oxidases, Oxidative Stress, and Altered Mitochondrial Dynamics in Cardiac Ageing. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-8.	4.0	76
24	Prevention of apoptotic and necrotic cell death, caspaseâ€3 activation, and renal dysfunction by melatonin after ischemia/reperfusion. FASEB Journal, 2003, 17, 1-17.	0.5	70
25	Intraparenchymal Injection of Bone Marrow Mesenchymal Stem Cells Reduces Kidney Fibrosis after Ischemia-Reperfusion in Cyclosporine-Immunosuppressed Rats. Cell Transplantation, 2012, 21, 2009-2019.	2.5	70
26	Intramyocardial transplantation of mesenchymal stromal cells for chronic myocardial ischemia and impaired left ventricular function: Results of the MESAMI 1 pilot trial. International Journal of Cardiology, 2016, 209, 258-265.	1.7	65
27	Imidazoline-guanidinium and α2-adrenergic binding sites in basolateral membranes from human kidney. European Journal of Pharmacology, 1991, 206, 23-31.	2.6	64
28	Localization of the Imidazoline Binding Domain on Monoamine Oxidase B. Molecular Pharmacology, 1997, 52, 549-553.	2.3	61
29	High expression of monoamine oxidases in human white adipose tissue: evidence for their involvement in noradrenaline clearance. Biochemical Pharmacology, 1999, 58, 1735-1742.	4.4	61
30	Imidazoline/Guanidinium Binding Domains on Monoamine Oxidases. Journal of Biological Chemistry, 1995, 270, 27961-27968.	3.4	58
31	Involvement of Peripheral Benzodiazepine Receptor in the Oxidative Stress, Death-Signaling Pathways, and Renal Injury Induced by Ischemia-Reperfusion. Journal of the American Society of Nephrology: JASN, 2004, 15, 2152-2160.	6.1	58
32	Tight-Binding Inhibition of Human Monoamine Oxidase B by Chromone Analogs: A Kinetic, Crystallographic, and Biological Analysis. Journal of Medicinal Chemistry, 2018, 61, 4203-4212.	6.4	58
33	Dopamine induces ERK activation in renal epithelial cells through H2O2 produced by monoamine oxidase. Kidney International, 2001, 59, 76-86.	5.2	56
34	REVISITING THE HALLMARKS OF AGING TO IDENTIFY MARKERS OF BIOLOGICAL AGE. journal of prevention of Alzheimer's disease, The, 2020, 7, 1-9.	2.7	56
35	Identification of an imidazoline-guanidinium receptive site in mitochondria from rabbit cerebral cortex. European Journal of Pharmacology, 1991, 208, 81-83.	2.6	55
36	Activation of Pro-Apoptotic Cascade by Dopamine in Renal Epithelial Cells is Fully Dependent on Hydrogen Peroxide Generation by Monoamine Oxidases. Journal of the American Society of Nephrology: JASN, 2003, 14, 855-862.	6.1	55

#	Article	IF	CITATIONS
37	Apelinâ€13 administration protects against ischaemia/reperfusionâ€mediated apoptosis through the FoxO1 pathway in highâ€fat dietâ€induced obesity. British Journal of Pharmacology, 2016, 173, 1850-1863.	5.4	53
38	Evaluation of polyelectrolyte complex-based scaffolds for mesenchymal stem cell therapy in cardiac ischemia treatment. Acta Biomaterialia, 2014, 10, 901-911.	8.3	51
39	Structural apelin analogues: mitochondrial <scp>ROS</scp> inhibition and cardiometabolic protection in myocardial ischaemia reperfusion injury. British Journal of Pharmacology, 2015, 172, 2933-2945.	5.4	51
40	Mitochondrial 4-HNE derived from MAO-A promotes mitoCa2+ overload in chronic postischemic cardiac remodeling. Cell Death and Differentiation, 2020, 27, 1907-1923.	11.2	51
41	Hydrogen peroxide production by monoamine oxidase during ischemia/reperfusion. European Journal of Pharmacology, 2002, 448, 225-230.	3.5	50
42	MAO-A-induced mitogenic signaling is mediated by reactive oxygen species, MMP-2, and the sphingolipid pathway. Free Radical Biology and Medicine, 2007, 43, 80-89.	2.9	47
43	Monoamine oxidases in age-associated diseases: New perspectives for old enzymes. Ageing Research Reviews, 2021, 66, 101256.	10.9	44
44	Analysis of the Pharmacological and Molecular Heterogeneity of I ₂ -Imidazoline-Binding Proteins using Monoamine Oxidase-Deficient Mouse Models. Molecular Pharmacology, 2000, 58, 1085-1090.	2.3	43
45	Alginate Scaffolds for Mesenchymal Stem Cell Cardiac Therapy: Influence of Alginate Composition. Cell Transplantation, 2012, 21, 1969-1984.	2.5	43
46	Evaluation of Alginate Microspheres for Mesenchymal Stem Cell Engraftment on Solid Organ. Cell Transplantation, 2010, 19, 1623-1633.	2.5	42
47	Genetic deletion of MAO-A promotes serotonin-dependent ventricular hypertrophy by pressure overload. Journal of Molecular and Cellular Cardiology, 2009, 46, 587-595.	1.9	41
48	Essential role of TRPC1 channels in cardiomyoblasts hypertrophy mediated by 5-HT2A serotonin receptors. Biochemical and Biophysical Research Communications, 2010, 391, 979-983.	2.1	39
49	Gadd45 <i>γ</i> regulates cardiomyocyte death and post-myocardial infarction left ventricular remodelling. Cardiovascular Research, 2015, 108, 254-267.	3.8	39
50	Sphingosine kinase 1 expressed by endothelial colony-forming cells has a critical role in their revascularization activity. Cardiovascular Research, 2014, 103, 121-130.	3.8	38
51	Transition from metabolic adaptation to maladaptation of the heart in obesity: role of apelin. International Journal of Obesity, 2015, 39, 312-320.	3.4	38
52	Local production of tenascin-C acts as a trigger for monocyte/macrophage recruitment that provokes cardiac dysfunction. Cardiovascular Research, 2018, 114, 123-137.	3.8	38
53	Monoamine Oxidase B Induces ERK-Dependent Cell Mitogenesis by Hydrogen Peroxide Generation. Biochemical and Biophysical Research Communications, 2000, 271, 181-185.	2.1	37
54	Apelin regulates FoxO3 translocation to mediate cardioprotective responses to myocardial injury and obesity. Scientific Reports, 2015, 5, 16104.	3.3	36

#	Article	IF	CITATIONS
55	I2-imidazoline binding sites and monoamine oxidase activity in human postmortem brain from patients with Parkinson's disease. Neurochemistry International, 1997, 30, 31-36.	3.8	35
56	Oleuropein Aglycone Protects against MAO-A-Induced Autophagy Impairment and Cardiomyocyte Death through Activation of TFEB. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-13.	4.0	35
57	New insights on receptor-dependent and monoamine oxidase-dependent effects of serotonin in the heart. Journal of Neural Transmission, 2007, 114, 823-827.	2.8	33
58	Monoamine oxidase-A, serotonin and norepinephrine: synergistic players in cardiac physiology and pathology. Journal of Neural Transmission, 2018, 125, 1627-1634.	2.8	32
59	Tissue-specific localization of mitochondrial imidazoline-guanidinium receptive sites. European Journal of Pharmacology, 1992, 219, 335-338.	3.5	31
60	Role of serotonin 5-HT2A receptors in the development of cardiac hypertrophy in response to aortic constriction in mice. Journal of Neural Transmission, 2013, 120, 927-935.	2.8	31
61	Aging induces cardiac mesenchymal stromal cell senescence and promotes endothelial cell fate of the CD90Â+Âsubset. Aging Cell, 2019, 18, e13015.	6.7	31
62	Elaboration and evaluation of alginate foam scaffolds for soft tissue engineering. International Journal of Pharmaceutics, 2017, 524, 433-442.	5.2	30
63	Inhibition of PIKfyve prevents myocardial apoptosis and hypertrophy through activation of SIRT3 in obese mice. EMBO Molecular Medicine, 2017, 9, 770-785.	6.9	30
64	The INSPIRE research initiative: a program for GeroScience and healthy aging research going from animal models to humans and the healthcare system. Journal of Frailty & Aging,the, 2021, 10, 1-8.	1.3	30
65	Anesthetic regimen for cardiac function evaluation by echocardiography in mice: comparison between ketamine, etomidate and isoflurane versus conscious state. Laboratory Animals, 2013, 47, 284-290.	1.0	29
66	ICFSR TASK FORCE PERSPECTIVE ON BIOMARKERS FOR SARCOPENIA AND FRAILTY. Journal of Frailty & Aging,the, 2020, 9, 1-5.	1.3	28
67	Glucose handling in streptozotocin-induced diabetic rats is improved by tyramine but not by the amine oxidase inhibitor semicarbazide. European Journal of Pharmacology, 2005, 522, 139-146.	3.5	27
68	Platelet activation and arterial peripheral serotonin turnover in cardiac remodeling associated to aortic stenosis. American Journal of Hematology, 2015, 90, 15-19.	4.1	26
69	Dopamine D4 Receptor Expression in Rat Kidney: Evidence for Pre- and Postjunctional Localization. Journal of Histochemistry and Cytochemistry, 2002, 50, 1091-1096.	2.5	25
70	Dose-dependent activation of distinct hypertrophic pathways by serotonin in cardiac cells. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H821-H828.	3.2	24
71	Pargyline reduces renal damage associated with ischaemia-reperfusion and cyclosporin. Nephrology Dialysis Transplantation, 2011, 26, 489-498.	0.7	24
72	Alginate-chitosan PEC scaffolds: A useful tool for soft tissues cell therapy. International Journal of Pharmaceutics, 2019, 571, 118692.	5.2	24

#	Article	IF	CITATIONS
73	Predominant Expression of Monoamine Oxidase B Isoform in Rabbit Renal Proximal Tubule: Regulation By 12 Imidazoline Ligands in Intact Cells. Molecular Pharmacology, 1997, 51, 637-643.	2.3	23
74	Dopamine D2-like receptor agonist bromocriptine protects against ischemia/reperfusion injury in rat kidney. Kidney International, 2004, 66, 633-640.	5.2	22
75	Serotonin 5-HT2A receptor-mediated hypertrophy is negatively regulated by caveolin-3 in cardiomyoblasts and neonatal cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2012, 52, 502-510.	1.9	21
76	Cardiac macrophage subsets differentially regulate lymphatic network remodeling during pressure overload. Scientific Reports, 2021, 11, 16801.	3.3	21
77	Therapeutic Benefit and Gene Network Regulation by Combined Gene Transfer of Apelin, FGF2, and SERCA2a into Ischemic Heart. Molecular Therapy, 2018, 26, 902-916.	8.2	20
78	Multimodal gadolinium oxysulfide nanoparticles: a versatile contrast agent for mesenchymal stem cell labeling. Nanoscale, 2018, 10, 16775-16786.	5.6	20
79	Serotonin metabolism in rat mesangial cells: Involvement of a serotonin transporter and monoamine oxidase A. Kidney International, 1999, 56, 1391-1399.	5.2	19
80	Hydrogen peroxide generation by monoamine oxidases in rat white adipocytes: role on cAMP production. European Journal of Pharmacology, 2000, 395, 177-182.	3.5	19
81	3-[5-(4,5-Dihydro-1H-imidazol-2-yl)-furan-2-yl]phenylamine (Amifuraline), a Promising Reversible and Selective Peripheral MAO-A Inhibitor. Journal of Medicinal Chemistry, 2006, 49, 5578-5586.	6.4	19
82	Promoter-Dependent Translation Controlled by p54nrb and hnRNPM during Myoblast Differentiation. PLoS ONE, 2015, 10, e0136466.	2.5	19
83	Vasohibin1, a new mouse cardiomyocyte IRES trans-acting factor that regulates translation in early hypoxia. ELife, 2019, 8, .	6.0	19
84	Difference in mobilization of progenitor cells after myocardial infarction in smoking versus non-smoking patients: insights from the BONAMI trial. Stem Cell Research and Therapy, 2013, 4, 152.	5.5	18
85	Characterization of Monoamine Oxidases in Mesenchymal Stem Cells: Role in Hydrogen Peroxide Generation and Serotonin-Dependent Apoptosis. Stem Cells and Development, 2010, 19, 1571-1578.	2.1	17
86	Role of Endothelial AADC in Cardiac Synthesis of Serotonin and Nitrates Accumulation. PLoS ONE, 2012, 7, e34893.	2.5	17
87	Cardiac Fibroblasts Regulate Sympathetic Nerve Sprouting and Neurocardiac Synapse Stability. PLoS ONE, 2013, 8, e79068.	2.5	17
88	The INSPIRE Bio-resource Research Platform for Healthy Aging and Geroscience: Focus on the Human Translational Research Cohort (The INSPIRE-T Cohort). Journal of Frailty & Aging,the, 2021, 10, 1-11.	1.3	17
89	Substrate-dependent regulation of MAO-A in rat mesangial cells: involvement of dopamine D2-like receptors. American Journal of Physiology - Renal Physiology, 2003, 284, F167-F174.	2.7	16
90	Vesicular monoamine transporter 1 mediates dopamine secretion in rat proximal tubular cells. American Journal of Physiology - Renal Physiology, 2007, 292, F1592-F1598.	2.7	16

#	Article	IF	CITATIONS
91	Extracellular vesicles of MSCs and cardiomyoblasts are vehicles for lipid mediators. Biochimie, 2020, 178, 69-80.	2.6	14
92	Kidney inflammaging is promoted by CCR2+ macrophages and tissue-derived micro-environmental factors. Cellular and Molecular Life Sciences, 2021, 78, 3485-3501.	5.4	13
93	CONTRIBUTION OF ?2-ADRENOCEPTORS TO THE CENTRAL CARDIOVASCULAR EFFECTS OF CLONIDINE AND S 8350 IN ANAESTHETIZED RATS. Clinical and Experimental Pharmacology and Physiology, 1991, 18, 401-408.	1.9	12
94	Clotrimazole and efaroxan inhibit red cell Gardos channel independently of imidazoline I1 and I2 binding sites. European Journal of Pharmacology, 1996, 295, 109-112.	3.5	12
95	Rational Redesign of Monoamine Oxidase A into a Dehydrogenase to Probe ROS in Cardiac Aging. ACS Chemical Biology, 2020, 15, 1795-1800.	3.4	12
96	Selective modification of renal alpha 2-adrenergic receptors in Milan hypertensive rat strain Hypertension, 1987, 10, 505-511.	2.7	11
97	Characterization of monoamine oxidase isoforms in human islets of langerhans. Life Sciences, 1999, 65, 441-448.	4.3	11
98	Cardiac monoamine oxidases: at the heart of mitochondrial dysfunction. Cell Death and Disease, 2020, 11, 54.	6.3	10
99	Noradrenaline Content and Adrenergic Receptors in Kidney and Heart of the Prehypertensive and Hypertensive Lyon Rat Strain. American Journal of Hypertension, 1988, 1, 140-145.	2.0	9
100	Selective inhibition of adrenalineâ€induced human platelet aggregation by the structurally related Paf antagonist Ro 19–3704. British Journal of Pharmacology, 1989, 96, 759-766.	5.4	9
101	Pharmacological and Molecular Characteristics. Annals of the New York Academy of Sciences, 1995, 763, 100-105.	3.8	9
102	First Evidence of Increased Plasma Serotonin Levels in Tako-Tsubo Cardiomyopathy. BioMed Research International, 2013, 2013, 1-5.	1.9	9
103	Towards a large-scale assessment of the relationship between biological and chronological aging: The INSPIRE Mouse Cohort. Journal of Frailty & Aging,the, 2021, 10, 1-11.	1.3	9
104	αâ€ADRENOCEPTOR PROPERTIES IN RAT STRAINS SENSITIVE OR RESISTANT TO SALTâ€INDUCED HYPERTENSION Fundamental and Clinical Pharmacology, 1989, 3, 483-495.	l. 1.9	8
105	The renal monoamine oxidases. Current Opinion in Nephrology and Hypertension, 1998, 7, 33-36.	2.0	7
106	Selective Cardiomyocyte Oxidative Stress Leads to Bystander Senescence of Cardiac Stromal Cells. International Journal of Molecular Sciences, 2021, 22, 2245.	4.1	7
107	Low-energy electron beam sterilization of solid alginate and chitosan, and their polyelectrolyte complexes. Carbohydrate Polymers, 2021, 261, 117578.	10.2	7
108	Renal Imidazoline-Guanidinium Receptive Site. Journal of Cardiovascular Pharmacology, 1992, 20, S21-S23.	1.9	6

#	Article	IF	CITATIONS
109	Evidence for a Role for Imidazoline I1Binding Site in Rat Brown Adipocytes. Annals of the New York Academy of Sciences, 1995, 763, 398-400.	3.8	6
110	Relationship between I2 Imidazoline Binding Sites and Monoamine Oxidase B in Livera. Annals of the New York Academy of Sciences, 1999, 881, 32-34.	3.8	6
111	Cardiovascular Response to Cigarette Smoking during Adrenergic Block in Essential Hypertension. Drugs, 1983, 25, 149.	10.9	5
112	Characterization of Imidazoline-Guanidinium Receptive Sites in Renal Medulla From Human Kidney. American Journal of Hypertension, 1992, 5, 69S-71S.	2.0	5
113	Monoamine oxidase in developing rat renal cortex: effect of dexamethasone treatment. European Journal of Pharmacology, 2001, 415, 19-26.	3.5	5
114	Glycerol, sodium phosphate, and sodium chloride permit the solubilization and partial purification of rat hepatic α1-receptors by 3-(3-cholamidylpropyl)-dimethylammonio-1-propanesulfonate. Analytical Biochemistry, 1989, 176, 375-381.	2.4	4
115	Characterization of Mitochondrial Imidazoline-Guanidinium Receptive Sites (IGRS) in Liver. American Journal of Hypertension, 1992, 5, 80S-82S.	2.0	4
116	Characterization of []idazoxan binding proteins in solubilized membranes from rabbit and human liver. Journal of the Autonomic Nervous System, 1998, 72, 111-117.	1.9	4
117	Differential substrate specificity of monoamine oxidase in the rat heart and renal cortex. Life Sciences, 2003, 73, 955-967.	4.3	4
118	Insulin degradation-in human erythrocytes. Effect of Triton X-100 treatment on insulin-degrading activity of membranes. Journal of Endocrinological Investigation, 1983, 6, 441-444.	3.3	3
119	[3H]Idazoxan Binds to Mitochondrial I2Imidazoline Binding Sites in Isolated Cells from Rabbit Kidney Proximal Tubule. Annals of the New York Academy of Sciences, 1995, 763, 172-173.	3.8	3
120	Changes in central ?-adrenoceptors and noradrenaline content after high sodium intake in sabra salt-sensitive and salt-resistant rats. Naunyn-Schmiedeberg's Archives of Pharmacology, 1986, 333, 117-123.	3.0	2
121	Relationship between α2-Adrenergic Receptors and Imidazoline/Guanidinium Receptive Sites. Advances in Pharmacology, 1997, 42, 474-477.	2.0	2
122	Transfected Cells Expressing the Three Subtypes of Alpha2-Adrenergic Receptors Lack I1-Imidazoline Binding Sites. Annals of the New York Academy of Sciences, 1999, 881, 59-60.	3.8	2
123	Inhibition of Red Cell Ca2+-Activated K+Transport by Clotrimazole Does Not Take Place via Imidazoline Binding Sites. Annals of the New York Academy of Sciences, 1995, 763, 287-289.	3.8	1
124	In the heart of cardiac stromal senescence. Aging, 2020, 12, 1039-1041.	3.1	1
125	RENAL MONOAMINE OXIDASES: POTENTIAL ROLE IN THE LONG TERM REGULATION OF BLOOD PRESSURE. Fundamental and Clinical Pharmacology, 1997, 11, 36s.	1.9	0
126	109 Molecular and kinetic characterization of monoamine oxidases in the rat heart. Biochemical Society Transactions, 1998, 26, S392-S392.	3.4	0