

Hossam A Shaltout

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1412418/publications.pdf>

Version: 2024-02-01

95
papers

1,973
citations

218662

26
h-index

276858

41
g-index

99
all docs

99
docs citations

99
times ranked

2329
citing authors

#	ARTICLE	IF	CITATIONS
1	Update on the Angiotensin Converting Enzyme 2-Angiotensin (1 ^α 7)-Mas Receptor Axis: Fetal Programing, Sex Differences, and Intracellular Pathways. <i>Frontiers in Endocrinology</i> , 2014, 4, 201.	3.5	164
2	Angiotensin metabolism in renal proximal tubules, urine, and serum of sheep: evidence for ACE2-dependent processing of angiotensin II. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, F82-F91.	2.7	130
3	Fetal programming and the angiotensin-(1-7) axis: a review of the experimental and clinical data. <i>Clinical Science</i> , 2019, 133, 55-74.	4.3	93
4	Tackling neuroinflammation and cholinergic deficit in Alzheimer's disease: Multi-target inhibitors of cholinesterases, cyclooxygenase-2 and 15-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , 2019, 167, 161-186.	5.5	78
5	Nuclear angiotensin II type 2 (AT ₂) receptors are functionally linked to nitric oxide production. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, F1484-F1493.	2.7	71
6	Alterations in Circulatory and Renal Angiotensin-Converting Enzyme and Angiotensin-Converting Enzyme 2 in Fetal Programmed Hypertension. <i>Hypertension</i> , 2009, 53, 404-408.	2.7	70
7	Glucocorticoid-Induced Fetal Programming Alters the Functional Complement of Angiotensin Receptor Subtypes Within the Kidney. <i>Hypertension</i> , 2011, 57, 620-626.	2.7	68
8	Leptin Impairs Cardiovagal Baroreflex Function at the Level of the Solitary Tract Nucleus. <i>Hypertension</i> , 2009, 54, 1001-1008.	2.7	64
9	Effects of supervised exercise and dietary nitrate in older adults with controlled hypertension and/or heart failure with preserved ejection fraction. <i>Nitric Oxide - Biology and Chemistry</i> , 2017, 69, 78-90.	2.7	51
10	Renal function and blood pressure are altered in adolescents born preterm. <i>Pediatric Nephrology</i> , 2019, 34, 137-144.	1.7	49
11	The Role of Heart Rate Variability in Mindfulness-Based Pain Relief. <i>Journal of Pain</i> , 2020, 21, 306-323.	1.4	47
12	Association between preterm birth and the renin-angiotensin system in adolescence. <i>Journal of Hypertension</i> , 2018, 36, 2092-2101.	0.5	42
13	Angiotensin-(1 ^α 12) requires angiotensin converting enzyme and AT ₁ receptors for cardiovascular actions within the solitary tract nucleus. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H763-H771.	3.2	41
14	Acute AT ₁ -receptor blockade reverses the hemodynamic and baroreflex impairment in adult sheep exposed to antenatal betamethasone. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010, 299, H541-H547.	3.2	40
15	Angiotensin peptides and central autonomic regulation. <i>Current Opinion in Pharmacology</i> , 2011, 11, 131-137.	3.5	35
16	Apelin-13 in blood pressure regulation and cardiovascular disease. <i>Current Opinion in Nephrology and Hypertension</i> , 2016, 25, 396-403.	2.0	35
17	Angiotensin-(1-7) Deficiency and Baroreflex Impairment Precede the Antenatal Betamethasone Exposure-Induced Elevation in Blood Pressure. <i>Hypertension</i> , 2012, 59, 453-458.	2.7	34
18	Obesity is Associated with Higher Blood Pressure and Higher Levels of Angiotensin II but Lower Angiotensin-(1-7) in Adolescents Born Preterm. <i>Journal of Pediatrics</i> , 2019, 205, 55-60.e1.	1.8	34

#	ARTICLE	IF	CITATIONS
19	Mechanism of Fatty Acids Induced Suppression of Cardiovascular Reflexes in Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 314, 1328-1337.	2.5	33
20	Allopurinol alleviates hypertension and proteinuria in high fructose, high salt and high fat induced model of metabolic syndrome. <i>Translational Research</i> , 2015, 165, 621-630.	5.0	32
21	Effect of Fludrocortisone Acetate on Chronic Unexplained Nausea and Abdominal Pain in Children With Orthostatic Intolerance. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2014, 59, 39-43.	1.8	31
22	Exaggerated sympathetic mediated responses to behavioral or pharmacological challenges following antenatal betamethasone exposure. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 300, E979-E985.	3.5	30
23	Relationship among nausea, anxiety, and orthostatic symptoms in pediatric patients with chronic unexplained nausea. <i>Experimental Brain Research</i> , 2014, 232, 2645-2650.	1.5	30
24	Antenatal corticosteroids and the renin-angiotensin-aldosterone system in adolescents born preterm. <i>Pediatric Research</i> , 2017, 81, 88-93.	2.3	30
25	In Vivo Expression of Angiotensin-(1-7) Lowers Blood Pressure and Improves Baroreflex Function in Transgenic (mRen2)27 Rats. <i>Journal of Cardiovascular Pharmacology</i> , 2012, 60, 150-157.	1.9	29
26	Mediterranean diet, stress resilience, and aging in nonhuman primates. <i>Neurobiology of Stress</i> , 2020, 13, 100254.	4.0	29
27	Association of Heart Rate Variability With Cognitive Performance: The Multi-Ethnic Study of Atherosclerosis. <i>Journal of the American Heart Association</i> , 2020, 9, e013827.	3.7	29
28	Central Angiotensin-(1 ⁷) Improves Vagal Function Independent of Blood Pressure in Hypertensive (mRen2)27 Rats. <i>Hypertension</i> , 2012, 60, 1257-1265.	2.7	28
29	A bihemispheric autonomic model for traumatic stress effects on health and behavior. <i>Frontiers in Psychology</i> , 2014, 5, 843.	2.1	28
30	Fludrocortisone improves nausea in children with orthostatic intolerance (OI). <i>Clinical Autonomic Research</i> , 2011, 21, 419-423.	2.5	27
31	Fetal betamethasone exposure attenuates angiotensin-(1-7)-Mas receptor expression in the dorsal medulla of adult sheep. <i>Peptides</i> , 2013, 44, 25-31.	2.4	25
32	Acute and chronic systemic CB ₁ cannabinoid receptor blockade improves blood pressure regulation and metabolic profile in hypertensive (mRen2)27 rats. <i>Physiological Reports</i> , 2014, 2, e12108.	1.7	25
33	Time, Touch, and Compassion: Effects on Autonomic Nervous System and Well-Being. <i>Explore: the Journal of Science and Healing</i> , 2012, 8, 177-184.	1.0	23
34	Non-verbal communication of compassion: measuring psychophysiological effects. <i>BMC Complementary and Alternative Medicine</i> , 2011, 11, 132.	3.7	21
35	Antenatal betamethasone exposure is associated with lower ANG-(1 ⁷) and increased ACE in the CSF of adult sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 305, R679-R688.	1.8	21
36	Effects of Resistance Training With and Without Caloric Restriction on Arterial Stiffness in Overweight and Obese Older Adults. <i>American Journal of Hypertension</i> , 2016, 29, 494-500.	2.0	20

#	ARTICLE	IF	CITATIONS
37	Systemic Outcomes of (Pyr1)-Apelin-13 Infusion at Mid-Late Pregnancy in a Rat Model with Preeclamptic Features. <i>Scientific Reports</i> , 2019, 9, 8579.	3.3	20
38	Clinical, hemispheric, and autonomic changes associated with use of closed-loop, allostatic neurotechnology by a case series of individuals with self-reported symptoms of post-traumatic stress. <i>BMC Psychiatry</i> , 2017, 17, 141.	2.6	19
39	Distinct neurohumoral biomarker profiles in children with hemodynamically defined orthostatic intolerance may predict treatment options. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H416-H425.	3.2	17
40	Renin-angiotensin system blockade in the COVID-19 pandemic. <i>CKJ: Clinical Kidney Journal</i> , 2021, 14, i48-i59.	2.9	17
41	Antenatal steroid exposure and heart rate variability in adolescents born with very low birth weight. <i>Pediatric Research</i> , 2017, 81, 57-62.	2.3	16
42	Cyclosporine Induces Progressive Attenuation of Baroreceptor Heart Rate Response and Cumulative Pressor Response in Conscious Unrestrained Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 305, 966-973.	2.5	15
43	Enhanced activity of an angiotensin-(1 ^α 7) neuropeptidase in glucocorticoid-induced fetal programming. <i>Peptides</i> , 2014, 52, 74-81.	2.4	14
44	Rightward dominance in temporal high-frequency electrical asymmetry corresponds to higher resting heart rate and lower baroreflex sensitivity in a heterogeneous population. <i>Brain and Behavior</i> , 2015, 5, e00343.	2.2	13
45	Successful use of closed-loop allostatic neurotechnology for post-traumatic stress symptoms in military personnel: self-reported and autonomic improvements. <i>Military Medical Research</i> , 2017, 4, 38.	3.4	13
46	Proton Magnetic Resonance Spectroscopy Detection of Neurotransmitters in Dorsomedial Medulla Correlate With Spontaneous Baroreceptor Reflex Function. <i>Hypertension</i> , 2010, 55, 487-493.	2.7	12
47	Lower urinary $\hat{\Delta}$ Klotho is associated with lower angiotensin(1 ^α 7) and higher blood pressure in young adults born preterm with very low birthweight. <i>Journal of Clinical Hypertension</i> , 2020, 22, 1033-1040.	2.0	12
48	The Functional Role of PI3K in Maintenance of Blood Pressure and Baroreflex Suppression in (mRen2) ²⁷ and mRen2.Lewis Rat. <i>Journal of Cardiovascular Pharmacology</i> , 2011, 58, 367-373.	1.9	11
49	A Preliminary Study of the Effectiveness of an Allostatic, Closed-Loop, Acoustic Stimulation Neurotechnology in the Treatment of Athletes with Persisting Post-concussion Symptoms. <i>Sports Medicine - Open</i> , 2016, 2, 39.	3.1	11
50	Improvements in Heart Rate Variability, Baroreflex Sensitivity, and Sleep After Use of Closed-Loop Allostatic Neurotechnology by a Heterogeneous Cohort. <i>Frontiers in Public Health</i> , 2018, 6, 116.	2.7	11
51	Association of circulating uric acid and angiotensin-(1 ^α 7) in relation to higher blood pressure in adolescents and the influence of preterm birth. <i>Journal of Human Hypertension</i> , 2020, 34, 818-825.	2.2	11
52	Pilot Trial of a Noninvasive Closed-Loop Neurotechnology for Stress-Related Symptoms in Law Enforcement: Improvements in Self-Reported Symptoms and Autonomic Function. <i>Global Advances in Health and Medicine</i> , 2020, 9, 216495612092328.	1.6	10
53	Autonomic control of the heart is altered in Sprague-Dawley rats with spontaneous hydronephrosis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H2206-H2213.	3.2	9
54	Medullary Endocannabinoids Contribute to the Differential Resting Baroreflex Sensitivity in Rats with Altered Brain Renin-Angiotensin System Expression. <i>Frontiers in Physiology</i> , 2016, 7, 207.	2.8	9

#	ARTICLE	IF	CITATIONS
55	Central ANG-(1-7) infusion improves blood pressure regulation in antenatal betamethasone-exposed sheep and reveals sex-dependent effects on oxidative stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H1458-H1467.	3.2	9
56	Use of an allostatic neurotechnology by adolescents with postural orthostatic tachycardia syndrome (POTS) is associated with improvements in heart rate variability and changes in temporal lobe electrical activity. <i>Experimental Brain Research</i> , 2016, 234, 791-798.	1.5	8
57	Antenatal corticosteroids and cardiometabolic outcomes in adolescents born with very low birth weight. <i>Pediatric Research</i> , 2017, 82, 697-703.	2.3	8
58	Children with orthostatic intolerance exhibit elevated markers of inflammation in the dorsal medulla. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H323-H329.	3.2	8
59	Antenatal Steroid Exposure, Aerobic Fitness, and Physical Activity in Adolescents Born Preterm with Very Low Birth Weight. <i>Journal of Pediatrics</i> , 2019, 215, 98-106.e2.	1.8	7
60	Gender differences in urinary ACE and ACE2 activities in adolescents. <i>FASEB Journal</i> , 2008, 22, 940.6.	0.5	7
61	Significance of Right Anterior Insula Activity for Mental Health Intervention. <i>JAMA Psychiatry</i> , 2014, 71, 336.	11.0	6
62	Alterations in the Medullary Endocannabinoid System Contribute to Age-related Impairment of Baroreflex Sensitivity. <i>Journal of Cardiovascular Pharmacology</i> , 2015, 65, 473-479.	1.9	6
63	Chronic nausea and orthostatic intolerance: Diagnostic utility of orthostatic challenge duration, Nausea Profile Questionnaire, and neurohumoral measures. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13433.	3.0	6
64	Comparison of Candesartan and Angiotensin-(1-7) Combination to Mito-TEMPO Treatment for Normalizing Blood Pressure and Sympathovagal Balance in (mREN2)27 Rats. <i>Journal of Cardiovascular Pharmacology</i> , 2019, 73, 143-148.	1.9	6
65	High-resolution, relational, resonance-based, electroencephalic mirroring (HIRREM) improves symptoms and autonomic function for insomnia: A randomized, placebo-controlled clinical trial. <i>Brain and Behavior</i> , 2020, 10, e01826.	2.2	5
66	Response to Angiotensin-(1-7) and Bradykinin in Baroreceptor Reflex Sensitivity in Hypertension. <i>Hypertension</i> , 2013, 61, e20.	2.7	3
67	Design and synthesis of some new 2,3-bipyridine-5-carbonitriles as potential anti-inflammatory/antimicrobial agents. <i>Future Medicinal Chemistry</i> , 2017, 9, 1413-1450.	2.3	3
68	Sex-dependent expression of brain medullary MAP and PI3 kinases in adult sheep with antenatal betamethasone exposure. <i>Clinical Science</i> , 2018, 132, 1953-1962.	4.3	3
69	Psychosocial stress increases risk for type 2 diabetes in female cynomolgus macaques consuming a western diet. <i>Psychoneuroendocrinology</i> , 2022, 139, 105706.	2.7	2
70	Abstract 261: Relationship of Arginine Vasopressin and Blood Pressure in Patients with Orthostatic Intolerance and Nausea. <i>Hypertension</i> , 2013, 62, .	2.7	2
71	Influence of race on the effect of premature birth on salivary cortisol response to stress in adolescents. <i>Pediatric Research</i> , 2020, 87, 1100-1105.	2.3	1
72	Gender Differences in the Development of Insulin Resistance in Adult Sheep As Result of Antenatal Betamethasone. <i>FASEB Journal</i> , 2007, 21, A434.	0.5	1

#	ARTICLE	IF	CITATIONS
73	Modulation of Baroreflex Sensitivity by Endogenous Angiotensins in Lamb Solitary Tract Nucleus. FASEB Journal, 2010, 24, 624.7.	0.5	1
74	Metabolic and cardiovascular adjustments to hemorrhage in [TGR(ASrAogen)] rats and (mRen2)27 rats. FASEB Journal, 2012, 26, 891.7.	0.5	1
75	Preterm Adolescents Exhibit Higher Blood Pressure and Sodium Retention with Higher Uric Acid and Differential Circulating Renin-Angiotensin System Expression. FASEB Journal, 2018, 32, 883.6.	0.5	1
76	Abstract P396: Vitamin D Supplementation Improves Cardiovascular Response to Head Up Tilt in Adolescents Suffering from Syncope. Hypertension, 2018, 72, .	2.7	1
77	Chronic Idiopathic Nausea in Children Associated With Orthostatic Intolerance Improves After Treatment With Fludrocortisone. Gastroenterology, 2011, 140, S-743.	1.3	0
78	Children with chronic nausea and orthostatic intolerance have unique brain network organization: A case-control trial. Neurogastroenterology and Motility, 2022, 34, e14271.	3.0	0
79	Predominance of ACE2-Dependent Metabolism of Angiotensin II But Not Angiotensin I In Sheep Renal Proximal Tubules and Urine. FASEB Journal, 2006, 20, .	0.5	0
80	Modeling of Angiotensin Peptide Metabolism in Renal Proximal Tubules. , 2008, , .		0
81	Antenatal Betamethasone Causes Alterations in Angiotensin Receptors in Sheep Brain in a Gender Specific Manner. FASEB Journal, 2009, 23, 941.11.	0.5	0
82	Antenatal Steroid Exposure is Associated with Reduced Urinary ACE2 Activity in Adolescents. FASEB Journal, 2010, 24, 605.1.	0.5	0
83	Sex and Racial Background Influence Angiotensin Peptide Metabolism in Young Adults. FASEB Journal, 2010, 24, 1024.31.	0.5	0
84	Immunocytochemical Distribution of the Ang(1-7)/Mas Receptor in the Sheep Kidney. FASEB Journal, 2010, 24, 605.6.	0.5	0
85	Fetal Betamethasone Exposure and Age Influence the Expression of AT7/mas Receptors in the Solitary Tract Nucleus. FASEB Journal, 2012, 26, 1101.12.	0.5	0
86	Reduction in central mitochondrial ROS improves cardiovagal baroreflex function independent of blood pressure in (mRen2)27 rats. FASEB Journal, 2013, 27, 890.4.	0.5	0
87	Differential Expression of Renin-Angiotensin System Components in the Choroid Plexus of Betamethasone Exposed and Control Sheep. FASEB Journal, 2013, 27, 1107.12.	0.5	0
88	Obesity Induces Further Autonomic Impairment in Sheep Exposed Antenatally to Betamethasone. FASEB Journal, 2015, 29, LB724.	0.5	0
89	Intracerebroventricular Infusion of Angiotensin(1-7) Improves Baroreflex Sensitivity in Antenatal Betamethasone Exposed Sheep. FASEB Journal, 2015, 29, 811.30.	0.5	0
90	Abstract P306: Preterm Birth is Associated with Increased Blood Pressure and Increased Urinary Angiotensinogen in Young Adults. Hypertension, 2018, 72, .	2.7	0

#	ARTICLE	IF	CITATIONS
91	Abstract P301: Heart Rate Variability is Associated with Future Global Cognitive Performance: the Multi-Ethnic Study of Atherosclerosis. Hypertension, 2018, 72, .	2.7	0
92	Abstract 135: Impaired Autonomic Function in Young Adults Born Preterm With Very Low Birth Weight is Associated With Elevated Serum Uric Acid Levels. Hypertension, 2018, 72, .	2.7	0
93	Abstract P2062: Vitamin D Supplementation Improves Vascular Function in Adolescents Suffering from Orthostatic Intolerance. Hypertension, 2019, 74, .	2.7	0
94	Abstract P198: Vitamin D Supplementation Improves Autonomic Response To Head Up Tilt In Adolescents Suffering From Orthostatic Intolerance. Hypertension, 2020, 76, .	2.7	0
95	325 Blood pressure and the kidney cortex transcriptome response to high sodium diet challenge in female nonhuman primates. Journal of Clinical and Translational Science, 2022, 6, 58-59.	0.6	0