

Ahmed F El-Yazbi

List of Publications by Year in descending order

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Version: 2024-02-01

110
papers

2,306
citations

218677

26
h-index

265206

42
g-index

111
all docs

111
docs citations

111
times ranked

2680
citing authors

#	ARTICLE	IF	CITATIONS
1	Flavonoids in hypertension: a brief review of the underlying mechanisms. <i>Current Opinion in Pharmacology</i> , 2019, 45, 57-65.	3.5	142
2	Ca ²⁺ sensitization via phosphorylation of myosin phosphatase targeting subunit at threonine ⁸⁵⁵ by Rho kinase contributes to the arterial myogenic response. <i>Journal of Physiology</i> , 2009, 587, 2537-2553.	2.9	101
3	Direct cardiovascular impact of SGLT2 inhibitors: mechanisms and effects. <i>Heart Failure Reviews</i> , 2018, 23, 419-437.	3.9	79
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	Caveolae and calcium handling, a review and a hypothesis. <i>Journal of Cellular and Molecular Medicine</i> , 2006, 10, 529-544.	3.6	71
6	Caveolin-1 inhibits matrix metalloproteinase-2 activity in the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, 896-901.	1.9	68
7	Ca ²⁺ sensitization due to myosin light chain phosphatase inhibition and cytoskeletal reorganization in the myogenic response of skeletal muscle resistance arteries. <i>Journal of Physiology</i> , 2013, 591, 1235-1250.	2.9	65
8	Reactive Oxygen Species: Modulators of Phenotypic Switch of Vascular Smooth Muscle Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8764.	4.1	61
9	Novel click modifiable thioquinazolinones as anti-inflammatory agents: Design, synthesis, biological evaluation and docking study. <i>European Journal of Medicinal Chemistry</i> , 2018, 144, 635-650.	5.5	58
10	Intravascular pressure augments cerebral arterial constriction by inducing voltage-insensitive Ca ²⁺ waves. <i>Journal of Physiology</i> , 2010, 588, 3983-4005.	2.9	55
11	Pressure-dependent contribution of Rho kinase-mediated calcium sensitization in serotonin-evoked vasoconstriction of rat cerebral arteries. <i>Journal of Physiology</i> , 2010, 588, 1747-1762.	2.9	53
12	Stromatoxin ¹ -sensitive, heteromultimeric Kv2.1/Kv9.3 channels contribute to myogenic control of cerebral arterial diameter. <i>Journal of Physiology</i> , 2010, 588, 4519-4537.	2.9	52
13	Adipose Tissue Immunomodulation: A Novel Therapeutic Approach in Cardiovascular and Metabolic Diseases. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 602088.	2.4	49
14	Cytoskeletal Reorganization Evoked by Rho-associated kinase- and Protein Kinase C-catalyzed Phosphorylation of Cofilin and Heat Shock Protein 27, Respectively, Contributes to Myogenic Constriction of Rat Cerebral Arteries. <i>Journal of Biological Chemistry</i> , 2014, 289, 20939-20952.	3.4	48
15	Visfatin: A Possible Role in Cardiovasculo-Metabolic Disorders. <i>Cells</i> , 2020, 9, 2444.	4.1	48
16	Molecular Insights Into SARS COV-2 Interaction With Cardiovascular Disease: Role of RAAS and MAPK Signaling. <i>Frontiers in Pharmacology</i> , 2020, 11, 836.	3.5	47
17	Estrogen and Bisphenol A in Hypertension. <i>Current Hypertension Reports</i> , 2020, 22, 23.	3.5	43
18	Targeting perivascular and epicardial adipose tissue inflammation: therapeutic opportunities for cardiovascular disease. <i>Clinical Science</i> , 2020, 134, 827-851.	4.3	43

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19	MicroRNAs as Potential Pharmaco-targets in Ischemia-Reperfusion Injury Compounded by Diabetes. <i>Cells</i> , 2019, 8, 152.	4.1	41
20	Expanding the anticancer potential of 1,2,3-triazoles via simultaneously targeting Cyclooxygenase-2, 15-lipoxygenase and tumor-associated carbonic anhydrases. <i>European Journal of Medicinal Chemistry</i> , 2020, 200, 112439.	5.5	40
21	PKC-mediated cerebral vasoconstriction: Role of myosin light chain phosphorylation versus actin cytoskeleton reorganization. <i>Biochemical Pharmacology</i> , 2015, 95, 263-278.	4.4	34
22	Shooting three inflammatory targets with a single bullet: Novel multi-targeting anti-inflammatory glitazones. <i>European Journal of Medicinal Chemistry</i> , 2019, 167, 562-582.	5.5	33
23	Molecular and Biological Mechanisms Underlying Gender Differences in COVID-19 Severity and Mortality. <i>Frontiers in Immunology</i> , 2021, 12, 659339.	4.8	33
24	The march of pluripotent stem cells in cardiovascular regenerative medicine. <i>Stem Cell Research and Therapy</i> , 2018, 9, 201.	5.5	32
25	Visfatin: An emerging adipocytokine bridging the gap in the evolution of cardiovascular diseases. <i>Journal of Cellular Physiology</i> , 2021, 236, 6282-6296.	4.1	32
26	Lipid-Lowering Therapies for Atherosclerosis: Statins, Fibrates, Ezetimibe and PCSK9 Monoclonal Antibodies. <i>Current Medicinal Chemistry</i> , 2021, 28, 7427-7445.	2.4	30
27	Calcium extrusion by plasma membrane calcium pump is impaired in caveolin-1 knockout mouse small intestine. <i>European Journal of Pharmacology</i> , 2008, 591, 80-87.	3.5	29
28	Estrogen in vascular smooth muscle cells: A friend or a foe?. <i>Vascular Pharmacology</i> , 2018, 111, 15-21.	2.1	28
29	Western diet aggravates neuronal insult in post-traumatic brain injury: Proposed pathways for interplay. <i>EBioMedicine</i> , 2020, 57, 102829.	6.1	28
30	Amelioration of perivascular adipose inflammation reverses vascular dysfunction in a model of nonobese prediabetic metabolic challenge: potential role of antidiabetic drugs. <i>Translational Research</i> , 2019, 214, 121-143.	5.0	27
31	The Mitochondria: A Target of Polyphenols in the Treatment of Diabetic Cardiomyopathy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4962.	4.1	27
32	Perirenal Adipose Tissue Inflammation: Novel Insights Linking Metabolic Dysfunction to Renal Diseases. <i>Frontiers in Endocrinology</i> , 2021, 12, 707126.	3.5	27
33	Dysfunctional cerebrovascular tone contributes to cognitive impairment in a non-obese rat model of prediabetic challenge: Role of suppression of autophagy and modulation by anti-diabetic drugs. <i>Biochemical Pharmacology</i> , 2020, 178, 114041.	4.4	27
34	Extraction of membrane cholesterol disrupts caveolae and impairs serotonergic (5-HT _{2A}) and histaminergic (H ₁) responses in bovine airway smooth muscle: role of Rho-kinase. <i>Canadian Journal of Physiology and Pharmacology</i> , 2009, 87, 180-195.	1.4	26
35	Inositol 1,4,5-Trisphosphate Receptors in Hypertension. <i>Frontiers in Physiology</i> , 2018, 9, 1018.	2.8	26
36	Do gap junctions play a role in nerve transmissions as well as pacing in mouse intestine?. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, G734-G745.	3.4	25

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37	Identification and Functional Characterization of Protein Kinase A-catalyzed Phosphorylation of Potassium Channel Kv1.2 at Serine 449. <i>Journal of Biological Chemistry</i> , 2009, 284, 16562-16574.	3.4	24
38	Cardiac Autonomic Neuropathy: A Progressive Consequence of Chronic Low-Grade Inflammation in Type 2 Diabetes and Related Metabolic Disorders. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9005.	4.1	24
39	The role of caveolae and caveolin 1 in calcium handling in pacing and contraction of mouse intestine. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 352-364.	3.6	23
40	<i>Ziziphus nummularia</i> Inhibits Inflammation-Induced Atherogenic Phenotype of Human Aortic Smooth Muscle Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-10.	4.0	23
41	Cardiac Autonomic Neuropathy as a Result of Mild Hypercaloric Challenge in Absence of Signs of Diabetes: Modulation by Antidiabetic Drugs. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-19.	4.0	23
42	The hypertensive potential of estrogen: An untold story. <i>Vascular Pharmacology</i> , 2020, 124, 106600.	2.1	21
43	Caveolin-1 gene knockout impairs nitrergic function in mouse small intestine. <i>British Journal of Pharmacology</i> , 2005, 145, 1017-1026.	5.4	20
44	Smooth muscle NOS, colocalized with caveolin-1, modulates contraction in mouse small intestine. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 1404-1415.	3.6	20
45	Male enhancement Nutraceuticals in the Middle East market: Claim, pharmaceutical quality and safety assessments. <i>International Journal of Pharmaceutics</i> , 2015, 492, 109-119.	5.2	20
46	ROK and Arteriolar Myogenic Tone Generation: Molecular Evidence in Health and Disease. <i>Frontiers in Pharmacology</i> , 2017, 08, 87.	3.5	20
47	Impaired Endothelium-Dependent Hyperpolarization Underlies Endothelial Dysfunction during Early Metabolic Challenge: Increased ROS Generation and Possible Interference with NO Function. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 371, 567-582.	2.5	20
48	Peri-renal adipose inflammation contributes to renal dysfunction in a non-obese prediabetic rat model: Role of anti-diabetic drugs. <i>Biochemical Pharmacology</i> , 2021, 186, 114491.	4.4	19
49	Cardiovascular and renal interactions between cyclosporine and NSAIDs: Underlying mechanisms and clinical relevance. <i>Pharmacological Research</i> , 2018, 129, 251-261.	7.1	17
50	A novel HPLC-DAD method for simultaneous determination of febuxostat and diclofenac in biological samples: pharmacokinetic outcomes. <i>Bioanalysis</i> , 2019, 11, 41-54.	1.5	15
51	Beat-to-beat blood pressure variability: an early predictor of disease and cardiovascular risk. <i>Journal of Hypertension</i> , 2021, 39, 830-845.	0.5	15
52	Modulatory Effect of Intermittent Fasting on Adipose Tissue Inflammation: Amelioration of Cardiovascular Dysfunction in Early Metabolic Impairment. <i>Frontiers in Pharmacology</i> , 2021, 12, 626313.	3.5	15
53	Worsening baroreflex sensitivity on progression to type 2 diabetes: localized vs. systemic inflammation and role of antidiabetic therapy. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E835-E851.	3.5	14
54	EPAC in Vascular Smooth Muscle Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5160.	4.1	13

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55	Impact of caveolin-1 knockout on NANC relaxation in circular muscles of the mouse small intestine compared with longitudinal muscles. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, G394-G403.	3.4	12
56	Caveolin-1 knockout alters β_2 -adrenoceptors function in mouse small intestine. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 291, G1020-G1030.	3.4	12
57	Modulation by NADPH oxidase of the chronic cardiovascular and autonomic interaction between cyclosporine and NSAIDs in female rats. <i>European Journal of Pharmacology</i> , 2017, 806, 96-104.	3.5	12
58	Dysregulation of Angiotensin Converting Enzyme 2 Expression and Function in Comorbid Disease Conditions Possibly Contributes to Coronavirus Infectious Disease 2019 Complication Severity. <i>Molecular Pharmacology</i> , 2021, 99, 17-28.	2.3	12
59	The effect of hyperlipidemia on the pharmacokinetics, hepatic and pulmonary uptake of posaconazole in rat. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 91, 190-195.	4.0	11
60	Role of NADPHox/Rho-kinase signaling in the cyclosporine-NSAIDs interactions on blood pressure and baroreflexes in female rats. <i>Life Sciences</i> , 2017, 185, 15-22.	4.3	11
61	The Emerging Role of COX-2, 15-LOX and PPAR β in Metabolic Diseases and Cancer: An Introduction to Novel Multi-target Directed Ligands (MTDLs). <i>Current Medicinal Chemistry</i> , 2021, 28, 2260-2300.	2.4	11
62	Early metabolic impairment as a contributor to neurodegenerative disease: Mechanisms and potential pharmacological intervention. <i>Obesity</i> , 2022, 30, 982-993.	3.0	11
63	Differential inhibitory control of circular and longitudinal smooth muscle layers of Balb/C mouse small intestine. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2007, 131, 36-44.	2.8	10
64	Mitoquinone supplementation alleviates oxidative stress and pathologic outcomes following repetitive mild traumatic brain injury at a chronic time point. <i>Experimental Neurology</i> , 2022, 351, 113987.	4.1	10
65	Teaching critical appraisal to large classes of undergraduate medical students—using—team-based learning versus group discussions: a randomized controlled trial. <i>BMC Medical Education</i> , 2022, 22, 77.	2.4	10
66	Phosphorus Supplementation Mitigates Perivascular Adipose Inflammation—Induced Cardiovascular Consequences in Early Metabolic Impairment. <i>Journal of the American Heart Association</i> , 2021, 10, e023227.	3.7	10
67	Hyperlipidemia Alters the Pharmacokinetics of Posaconazole and Vincristine Upon Co-Administration in Rats. <i>Drugs in R and D</i> , 2017, 17, 287-296.	2.2	9
68	Impaired cross-talk between NO and hyperpolarization in myoendothelial feedback: a novel therapeutic target in early endothelial dysfunction of metabolic disease. <i>Current Opinion in Pharmacology</i> , 2019, 45, 33-41.	3.5	9
69	The pleiotropic effects of antithrombotic drugs in the metabolic—cardiovascular—neurodegenerative disease continuum: impact beyond reduced clotting. <i>Clinical Science</i> , 2021, 135, 1015-1051.	4.3	9
70	Mechanisms underlying the effects of caloric restriction on hypertension. <i>Biochemical Pharmacology</i> , 2022, 200, 115035.	4.4	9
71	The effect of increased lipoproteins levels on the disposition of vincristine in rat. <i>Lipids in Health and Disease</i> , 2016, 15, 152.	3.0	8
72	Opposite Modulatory Effects of Selective and Non-Selective Cyclooxygenase Inhibition on Cardiovascular and Autonomic Consequences of Cyclosporine in Female Rats. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2017, 120, 571-581.	2.5	8

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73	Green analytical method for the determination of sofosbuvir, ledipasvir, ribavirin and complex silymarin flavonoids simultaneously in biological fluids. <i>Microchemical Journal</i> , 2021, 164, 105964.	4.5	8
74	Challenging inflammatory process at molecular, cellular and in vivo levels via some new pyrazolyl thiazolones. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 669-684.	5.2	7
75	Western and ketogenic diets in neurological disorders: can you tell the difference?. <i>Nutrition Reviews</i> , 2022, 80, 1927-1941.	5.8	7
76	High Performance Liquid Chromatographic Assay for the Simultaneous Determination of Posaconazole and Vincristine in Rat Plasma. <i>International Journal of Analytical Chemistry</i> , 2015, 2015, 1-6.	1.0	6
77	The role of α -adrenergic receptors in hypertensive preeclampsia: A hypothesis. <i>Microcirculation</i> , 2019, 26, e12511.	1.8	5
78	Sex-based differences in myocardial infarction-induced kidney damage following cigarette smoking exposure: more renal protection in premenopausal female mice. <i>Bioscience Reports</i> , 2020, 40, .	2.4	5
79	Investigation of nucleic acid damage induced by a novel ruthenium anti-cancer drug using multiple analytical techniques: Sequence specificity and damage kinetics. <i>International Journal of Biological Macromolecules</i> , 2022, 198, 68-76.	7.5	5
80	Transforming iodoquinol into broad spectrum anti-tumor leads: Repurposing to modulate redox homeostasis. <i>Bioorganic Chemistry</i> , 2021, 113, 105035.	4.1	4
81	Thromboinflammatory Processes at the Nexus of Metabolic Dysfunction and Prostate Cancer: The Emerging Role of Periprostatic Adipose Tissue. <i>Cancers</i> , 2022, 14, 1679.	3.7	4
82	Application of HPTLC, spectrofluorimetry and differential pulse voltammetry for determination of the antifungal drug posaconazole in suspension dosage form. <i>Annales Pharmaceutiques Francaises</i> , 2019, 77, 382-393.	1.0	3
83	Therapeutic fasting mitigates metabolic and cardiovascular dysfunction in a prediabetic rat model: Possible role of adipose inflammation. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	3
84	Heme oxygenase byproducts variably influences myocardial and autonomic dysfunctions induced by the cyclosporine/diclofenac regimen in female rats. <i>Biomedicine and Pharmacotherapy</i> , 2018, 101, 889-897.	5.6	2
85	Sex Differences in Cardiovascular Impact of Early Metabolic Impairment: Interplay between Dysbiosis and Adipose Inflammation. <i>Molecular Pharmacology</i> , 2022, 102, 60-79.	2.3	2
86	Predictive Capacity of Beat-to-Beat Blood Pressure Variability for Cardioautonomic and Vascular Dysfunction in Early Metabolic Challenge. <i>Frontiers in Pharmacology</i> , 0, 13, .	3.5	2
87	Comparative Randomized Crossover Clinical Study for the Evaluation of Erectile Dysfunction Medications Via Novel Pentagon System. <i>Current Drug Safety</i> , 2018, 13, 12-20.	0.6	1
88	Calcium extrusion by plasma membrane calcium pump is impaired in absence of intact caveolae. <i>FASEB Journal</i> , 2008, 22, 916.8.	0.5	1
89	Mild hypercaloric intake is associated with perivascular adipose inflammation and vascular dysfunction: modulation by antidiabetic drugs. <i>FASEB Journal</i> , 2018, 32, 569.11.	0.5	1
90	Metabolic Stress-Induced Renal Endothelial Dysfunction. <i>FASEB Journal</i> , 2019, 33, 512.12.	0.5	1

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91	Peri-renal Adipose Tissue Inflammation Possibly Underlies Mild Renal Dysfunction in Early Metabolic Challenge. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	1
92	Adipose biology, cardiovascular, and cardiometabolic disease: novel insights and new targets for intervention. <i>Clinical Science</i> , 2020, 134, 1473-1474.	4.3	1
93	A novel series of nitrofurans produces an anti-tumor effect via a p53-dependent mechanism. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	1
94	Regulation of matrix metalloproteinase-2 in the heart by caveolin-1. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S117.	1.9	0
95	Smooth muscle nitric oxide synthase, co-localized with caveolin-1, modulates contraction in mouse small intestine. <i>FASEB Journal</i> , 2007, 21, A808.	0.5	0
96	Molecular evidence for the involvement of calcium sensitization in serotonin-induced cerebrovascular constriction. <i>FASEB Journal</i> , 2009, 23, 931.1.	0.5	0
97	Intravascular Pressure Augments Cerebral Arterial Constriction by Inducing Voltage-insensitive Ca ²⁺ Waves. <i>FASEB Journal</i> , 2011, 25, .	0.5	0
98	Divergent Effects for Celecoxib and Diclofenac on Hemodynamic and Left Ventricular Actions of Cyclosporine in Female Rats. <i>FASEB Journal</i> , 2015, 29, .	0.5	0
99	Endothelial Dysfunction as a result of Hypercaloric Intake: Underlying Mechanism in Absence of Hyperglycemia. <i>FASEB Journal</i> , 2018, 32, 837.2.	0.5	0
100	Influence of Cigarette Smoking on Myocardial Infarction Induced Renal Damage. <i>FASEB Journal</i> , 2018, 32, 679.7.	0.5	0
101	Abstract P331: Transition From Pre-Diabetes To Diabetes Is Associated With Worsening Of Cardiac Autonomic Neuropathy: Reversal By Anti-Diabetic Drugs. <i>Hypertension</i> , 2018, 72, .	2.7	0
102	Progressive Hemodynamic and Cardiac Autonomic Impairment as a Function of Metabolic State: Local Adipose vs. Systemic Inflammation. <i>FASEB Journal</i> , 2019, 33, 514.10.	0.5	0
103	Mild Hypercaloric Intake is Associated with an Impaired Vascular Smooth Muscle Phenotype in Absence of Hyperglycemia: Potential Modulation by Anti-diabetic Drugs. <i>FASEB Journal</i> , 2019, 33, 512.9.	0.5	0
104	A Possible Role of Perivascular Adipocyte Stress in Cardiovascular Dysfunction Prior to the Onset of Diabetes. <i>FASEB Journal</i> , 2019, 33, 512.10.	0.5	0
105	Metabolic Stress Leads to Neuroinflammation and Mild Cognitive Impairment Prior to Development of Hyperglycemia: Role of Autophagy Suppression. <i>FASEB Journal</i> , 2019, 33, 501.13.	0.5	0
106	Cardiac Autonomic Neuropathy and Hemodynamic Dysfunction as a Consequence of Mild Hypercaloric Intake: Modification by Phosphate Supplementation. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
107	Worsening Cardiac Autonomic Neuropathy on Progression to Type 2 Diabetes: Localized vs. Systemic Inflammation. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
108	Antimicrobial Therapeutic Drug Monitoring. <i>Frontiers in Anti-infective Agents</i> , 2020, , 263-297.	0.0	0

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109	Abstract 10267: Thermogenic Modulation of Perivascular Adipose Tissue Ameliorates Cardioautonomic Deterioration in Prediabetes. <i>Circulation</i> , 2021, 144, .	1.6	0
110	Periprostatic Adipose Tissue Thromboinflammation Drives Early Prostatic Neoplastic Alterations in a Rat Model of Mild Metabolic Dysfunction. <i>FASEB Journal</i> , 2022, 36, .	0.5	0