Yagna P R Jarajapu

List of Publications by Year
in descending order

69 papers	1,631 citations	331670 21 h-index	315739 38 g-index
69 all docs	69 docs citations	69 times ranked	2416 citing authors

#	Article	IF	Citations
1	Diminazene Attenuates Pulmonary Hypertension and Improves Angiogenic Progenitor Cell Functions in Experimental Models. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 648-657.	5.6	150
2	The Promise of Cell-Based Therapies for Diabetic Complications. Circulation Research, 2010, 106, 854-869.	4.5	131
3	Diabetic eNOS-Knockout Mice Develop Accelerated Retinopathy. , 2010, 51, 5240.		101
4	Relaxin Induces Rapid Dilation of Rodent Small Renal and Human Subcutaneous Arteries via PI3 Kinase and Nitric Oxide. Endocrinology, 2011, 152, 2786-2796.	2.8	96
5	Activation of the ACE2/Angiotensin-(1â€“7)/Mas Receptor Axis Enhances the Reparative Function of Dysfunctional Diabetic Endothelial Progenitors. Diabetes, 2013, 62, 1258-1269.	0.6	91
6	Long-term type 1 diabetes influences haematopoietic stem cells by reducing vascular repair potential and increasing inflammatory monocyte generation in a murine model. Diabetologia, 2013, 56, 644-653.	6.3	79
7	Insulin-Like Growth Factor Binding Protein-3 Mediates Vascular Repair by Enhancing Nitric Oxide Generation. Circulation Research, 2009, 105, 897-905.	4.5	77
8	Relative contribution of Rho kinase and protein kinase C to myogenic tone in rat cerebral arteries in hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H1917-H1922.	3.2	63
9	Blockade of NADPH Oxidase Restores Vasoreparative Function in Diabetic CD34⁺Cells. , 2011, 52, 5093.		54
10	Vasoreparative Dysfunction of CD34+ Cells in Diabetic Individuals Involves Hypoxic Desensitization and Impaired Autocrine/Paracrine Mechanisms. PLoS ONE, 2014, 9, e93965.	2.5	54
11	Hypoxic regulation of angiotensinâ€converting enzyme 2 and Mas receptor in human CD34⁺ cells. Journal of Cellular Physiology, 2019, 234, 20420-20431.	4.1	53
12	Smooth Muscle Cell Seeding of Decellularized Scaffolds: The Importance of Bioreactor Preconditioning to Development of a More Native Architecture for Tissue-Engineered Blood Vessels. Tissue Engineering - Part A, 2009, 15, 827-840.	3.1	50
13	Myogenic tone and reactivity of cerebral arteries in Type II diabetic BBZDR/Wor rat. European Journal of Pharmacology, 2008, 579, 298-307.	3.5	45
14	Impaired mitochondria-dependent vasodilation in cerebral arteries of Zucker obese rats with insulin resistance. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R289-R298.	1.8	43
15	Vascular smooth muscle Jak2 mediates angiotensin II-induced hypertension via increased levels of reactive oxygen species. Cardiovascular Research, 2011, 91, 171-179.	3.8	41
16	ACE2/Ang-(1â€“7)/Mas axis stimulates vascular repair-relevant functions of CD34⁺cells. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1697-H1707.	3.2	40
17	Role of phospholipase C in development of myogenic tone in rat posterior cerebral arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H2234-H2238.	3.2	36
18	Angiotensin converting enzyme versus angiotensin converting enzyme-2 selectivity of MLN-4760 and DX600 in human and murine bone marrow-derived cells. European Journal of Pharmacology, 2016, 774, 25-33.	3.5	36

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19	Transient Inhibition of Transforming Growth Factor-Î²1 in Human Diabetic CD34+ Cells Enhances Vascular Reparative Functions. Diabetes, 2010, 59, 2010-2019.	0.6	35
20	Functional characterization of Î±1 -adrenoceptor subtypes in human skeletal muscle resistance arteries. British Journal of Pharmacology, 2001, 133, 679-686.	5.4	30
21	Myogenic Tone and Reactivity of Rat Ophthalmic Artery in Acute Exposure to High Glucose and in a Type II Diabetic Model. , 2006, 47, 683.		27
22	Protection of Blood Retinal Barrier and Systemic Vasculature by Insulin-Like Growth Factor Binding Protein-3. PLoS ONE, 2012, 7, e39398.	2.5	26
23	Design and functional evaluation of an optically active Î¼-opioid receptor. European Journal of Pharmacology, 2013, 705, 42-48.	3.5	26
24	Reversal of Bone Marrow Mobilopathy and Enhanced Vascular Repair by Angiotensin-(1-7) in Diabetes. Diabetes, 2017, 66, 505-518.	0.6	25
25	Increased Î±1- and Î±2-adrenoceptor-mediated contractile responses of human skeletal muscle resistance arteries in chronic limb ischemia. Cardiovascular Research, 2001, 49, 218-225.	3.8	21
26	Targeting Angiotensin-Converting Enzyme-2/Angiotensin-(1-7)/Mas Receptor Axis in the Vascular Progenitor Cells for Cardiovascular Diseases. Molecular Pharmacology, 2021, 99, 29-38.	2.3	20
27	Myogenic Tone and Reactivity of the Rat Ophthalmic Artery. , 2004, 45, 253.		18
28	Angiotensinâ€(1â€7) Reverses Angiogenic Dysfunction in Corpus Cavernosum by Acting on the Microvasculature and Bone Marrowâ€“Derived Cells in Diabetes. Journal of Sexual Medicine, 2014, 11, 2153-2163.	0.6	18
29	The Î±1A-adrenoceptor subtype mediates contraction in rat femoral resistance arteries. European Journal of Pharmacology, 2001, 422, 127-135.	3.5	16
30	Characteristics of myogenic tone in the rat ophthalmic artery. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H360-H368.	3.2	16
31	Blood flow restriction exercise stimulates mobilization of hematopoietic stem/progenitor cells and increases the circulating ACE2 levels in healthy adults. Journal of Applied Physiology, 2020, 128, 1423-1431.	2.5	16
32	The Use of Fluorescent Nuclear Dyes and Laser Scanning Confocal Microscopy to Study the Cellular Aspects of Arterial Remodelling in Human Subjects with Critical Limb Ischaemia. Experimental Physiology, 2003, 88, 547-554.	2.0	13
33	ACE2/ACE imbalance and impaired vasoreparative functions of stem/progenitor cells in aging. GeroScience, 2021, 43, 1423-1436.	4.6	11
34	Impaired Mobilization of Vascular Reparative Bone Marrow Cells in Streptozotocin-Induced Diabetes but not in Leptin Receptor-Deficient db/db Mice. Scientific Reports, 2016, 6, 26131.	3.3	10
35	Histamine decreases myogenic tone in rat cerebral arteries by H2-receptor-mediated KV channel activation, independent of endothelium and cyclic AMP. European Journal of Pharmacology, 2006, 547, 116-124.	3.5	8
36	Effects of Long-Term Dietary Soy Treatment on Female Urethral Morphology and Function in Ovariectomized Nonhuman Primates. Journal of Urology, 2008, 180, 2247-2253.	0.4	7

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37	A PharmD program curricular approach to addressing the opioid crisis. Currents in Pharmacy Teaching and Learning, 2019, 11, 592-602.	1.0	7
38	Mitochondrial depolarization stimulates vascular repairâ€relevant functions of CD34⁺ cells via reactive oxygen speciesâ€induced nitric oxide generation. British Journal of Pharmacology, 2019, 176, 4373-4387.	5.4	7
39	Integrin Î²1 Promotes Pancreatic Tumor Growth by Upregulating Kindlin-2 and TGF-Î² Receptor-2. International Journal of Molecular Sciences, 2021, 22, 10599.	4.1	7
40	The Î±1-adrenoceptor profile in human skeletal muscle resistance arteries in critical limb ischaemia. Cardiovascular Research, 2003, 57, 554-562.	3.8	6
41	ACE2 gene transfer ameliorates vasoreparative dysfunction in CD34+ cells derived from diabetic older adults. Clinical Science, 2021, 135, 367-385.	4.3	5
42	ACE2/Angiotensin-(1-7)/Mas Axis and Cardiovascular Regeneration. Current Hypertension Reviews, 2012, 8, 35-46.	0.9	4
43	Aging Healthy, or with Diabetes, is Associated with ACE2/ACE Imbalance in the Hematopoietic Stem Progenitor Cells. FASEB Journal, 2019, 33, 514.7.	0.5	4
44	Metabolism in the Midwest: research from the Midwest Aging Consortium at the 49th Annual Meeting of the American Aging Association. GeroScience, 2022, 44, 39-52.	4.6	2
45	Evidence for the differential sensitivity to hypoxia of basal and agonist-induced nitric oxide release. European Journal of Pharmacology, 1999, 370, R1-R3.	3.5	1
46	Diabetic preâ€programming of myelopoiesis impairs tissue repair. Journal of Pathology, 2020, 250, 245-247.	4.5	1
47	Transient silencing of transforming growth factorâ€Î²1 expression restores nitric oxide generation in diabetic hematopoietic stem/progenitor cells: Role of thrombospondinâ€1.. FASEB Journal, 2020, 34, 1-1.	0.5	1
48	Inhibition of Plasminogen Activator Inhibitor (PAI)-1 Corrects Diabetic CD34+ Dysfunction.. Blood, 2010, 116, 1601-1601.	1.4	1
49	Mobilization of bone marrow stem/progenitor cells by AMD3100 or Gâ€CSF is impaired in diabetes (1142.4). FASEB Journal, 2014, 28, 1142.4.	0.5	1
50	Transforming growth factor-Î²1/Thrombospondin-1/CD47 axis mediates dysfunction in CD34+ cells derived from diabetic older adults. European Journal of Pharmacology, 2022, 920, 174842.	3.5	1
51	Methods for Studying the Role of RAAS in the Modulation of Vascular Repair-Relevant Functions of Stem/Progenitor Cells. Methods in Molecular Biology, 2017, 1614, 47-59.	0.9	0
52	Angiotensin II and Angiotensinâ€(1â€7) Modulate Mitochondrial Respiration in Mouse Mesenchymal Stromal Cells. FASEB Journal, 2021, 35, .	0.5	0
53	Reversal of Agingâ€Associated Vasoreparative Dysfunction and Myelopoietic Bias in Bone Marrow Stem/Progenitor Cells by Angiotensinâ€(1â€7). FASEB Journal, 2021, 35, .	0.5	0
54	Diabetic Impairment of Nitric Oxide Generation in CD34 + Hematopoietic Stem/ Progenitor Cells is mediated by TGFâ€Î²1/TSPâ€1/CD47 pathway. FASEB Journal, 2021, 35, .	0.5	0

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55	Early onset of aging phenotype in vascular repair by Mas receptor deficiency. GeroScience, 2021, , 1.	4.6	0
56	Impaired Vasorelaxation of Coronary Arteries in Cynomolgus Monkeys with Diabetes. FASEB Journal, 2006, 20, A728.	0.5	0
57	Bladder overactivity in the streptozotocin (STZ)â€diabetic rat is associated with decreased activity of the KATP channel subtype in detrusor myocytes. FASEB Journal, 2006, 20, A1171.	0.5	0
58	Genetic Ablation of Caveolinâ€1 does not Affect Pressureâ€Induced Constriction but Alters Endothelinâ€1 Pharmacology in Murine Cerebral Arteries. FASEB Journal, 2008, 22, 913.5.	0.5	0
59	Storeâ€Depletion Mediated Agonistâ€Activated Contractile Responses in Rat and Human Corporal Smooth Muscle. FASEB Journal, 2008, 22, 916.1.	0.5	0
60	Involvement of scavenging receptorâ€B1 in NO release by insulinâ€like growth factor binding proteinâ€3 (IGFBP3) in human endothelial and CD34 cells. FASEB Journal, 2009, 23, 936.4.	0.5	0
61	Inhibition of NADPH oxidase restores NO availability and migratory function in diabetic CD34 cells. FASEB Journal, 2009, 23, 937.2.	0.5	0
62	Inhibition of NADPH oxidase restores vasoreparative function in diabetic CD34+ cells. FASEB Journal, 2010, 24, 571.3.	0.5	0
63	Endotheliumâ€derived reactive oxygen species impair myogenic tone in typeâ€2 diabetic rat ophthalmic artery. FASEB Journal, 2010, 24, 571.4.	0.5	0
64	Activation of the Protective Arm of Renin Angiotensin System (RAS) Corrects the Reparative Dysfunction of Diabetic CD34+ Cells.. Blood, 2010, 116, 2637-2637.	1.4	0
65	Angiotensinâ€(1â€“7) stimulates mobilization of bone marrow stem/progenitor cells in diabetes. FASEB Journal, 2013, 27, 1091.1.	0.5	0
66	Angiotensinâ€(1â€“7) stimulates angiogenesis in murine corpus cavernosum. FASEB Journal, 2013, 27, 651.7.	0.5	0
67	Reversal of Diabetic Stem/progenitor Cell Mobilopathy by a Nonapeptide Antagonist of Leptin Receptor. FASEB Journal, 2018, 32, .	0.5	0
68	Hypoxic Stimulation of Vasoreparative Functions in Human CD34 + Cells is Mediated by Angiotensin Converting Enzymeâ€2 and Mas Receptor. FASEB Journal, 2018, 32, 699.5.	0.5	0
69	Blood Flow Restriction Exercise Increases the ACE2/ACE Ratio and ACE2 Shedding in CD34 + Cells in Healthy Individuals. FASEB Journal, 2019, 33, .	0.5	0