

Zia A Khan

List of Publications by Year in descending order

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73
papers

4,248
citations

126708

33
h-index

114278

63
g-index

75
all docs

75
docs citations

75
times ranked

5287
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering Robust and Functional Vascular Networks In Vivo With Human Adult and Cord Blood-Derived Progenitor Cells. <i>Circulation Research</i> , 2008, 103, 194-202.	2.0	449
2	In vivo vasculogenic potential of human blood-derived endothelial progenitor cells. <i>Blood</i> , 2007, 109, 4761-4768.	0.6	447
3	Multipotential stem cells recapitulate human infantile hemangioma in immunodeficient mice. <i>Journal of Clinical Investigation</i> , 2008, 118, 2592-9.	3.9	224
4	Curcumin prevents diabetes-associated abnormalities in the kidneys by inhibiting p300 and nuclear factor- κ B. <i>Nutrition</i> , 2009, 25, 964-972.	1.1	167
5	Curcumin protects hearts from FFA-induced injury by activating Nrf2 and inactivating NF- κ B both in vitro and in vivo. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 79, 1-12.	0.9	141
6	Differential activation of NF- κ B and AP-1 in increased fibronectin synthesis in target organs of diabetic complications. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 284, E1089-E1097.	1.8	135
7	Human Pulmonary Valve Progenitor Cells Exhibit Endothelial/Mesenchymal Plasticity in Response to Vascular Endothelial Growth Factor-A and Transforming Growth Factor- β 2. <i>Circulation Research</i> , 2006, 99, 861-869.	2.0	134
8	Celastrol Attenuates Angiotensin II-Induced Cardiac Remodeling by Targeting STAT3. <i>Circulation Research</i> , 2020, 126, 1007-1023.	2.0	127
9	Calcification of Multipotent Prostate Tumor Endothelium. <i>Cancer Cell</i> , 2008, 14, 201-211.	7.7	114
10	Endothelial progenitor cells from infantile hemangioma and umbilical cord blood display unique cellular responses to endostatin. <i>Blood</i> , 2006, 108, 915-921.	0.6	110
11	Heme oxygenase in diabetes-induced oxidative stress in the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2003, 35, 1439-1448.	0.9	101
12	EDB fibronectin and angiogenesis - a novel mechanistic pathway. <i>Angiogenesis</i> , 2005, 8, 183-196.	3.7	95
13	Diabetes-Induced Extracellular Matrix Protein Expression Is Mediated by Transcription Coactivator p300. <i>Diabetes</i> , 2006, 55, 3104-3111.	0.3	95
14	Differential effects of curcumin on vasoactive factors in the diabetic rat heart. <i>Nutrition and Metabolism</i> , 2006, 3, 27.	1.3	92
15	MD2 activation by direct AGE interaction drives inflammatory diabetic cardiomyopathy. <i>Nature Communications</i> , 2020, 11, 2148.	5.8	90
16	Vascular endothelial dysfunction in diabetic cardiomyopathy: Pathogenesis and potential treatment targets. , 2006, 111, 384-399.		86
17	Endothelins in chronic diabetic complications. <i>Canadian Journal of Physiology and Pharmacology</i> , 2003, 81, 622-634.	0.7	75
18	Cellular Signaling and Potential New Treatment Targets in Diabetic Retinopathy. <i>Experimental Diabetes Research</i> , 2007, 2007, 1-12.	3.8	74

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19	Oncofetal Fibronectin in Diabetic Retinopathy. , 2004, 45, 287.		73
20	Kaempferol attenuates hyperglycemia-induced cardiac injuries by inhibiting inflammatory responses and oxidative stress. Endocrine, 2018, 60, 83-94.	1.1	72
21	Inhibition of epidermal growth factor receptor attenuates atherosclerosis via decreasing inflammation and oxidative stress. Scientific Reports, 2017, 7, 45917.	1.6	65
22	Growth Factors in Proliferative Diabetic Retinopathy. Experimental Diabetes Research, 2003, 4, 287-301.	1.0	56
23	Role of endothelin-1, sodium hydrogen exchanger-1 and mitogen activated protein kinase (MAPK) activation in glucose-induced cardiomyocyte hypertrophy. Diabetes/Metabolism Research and Reviews, 2007, 23, 356-367.	1.7	56
24	IGF-2 and FLT-1/VEGF-R1 mRNA Levels Reveal Distinctions and Similarities Between Congenital and Common Infantile Hemangioma. Pediatric Research, 2008, 63, 263-267.	1.1	56
25	Unique Responses of Stem Cell-Derived Vascular Endothelial and Mesenchymal Cells to High Levels of Glucose. PLoS ONE, 2012, 7, e38752.	1.1	56
26	Extracellular signal-regulated kinase (ERK) in glucose-induced and endothelin-mediated fibronectin synthesis. Laboratory Investigation, 2004, 84, 1451-1459.	1.7	55
27	Glucose-induced up-regulation of CD36 mediates oxidative stress and microvascular endothelial cell dysfunction. Diabetologia, 2005, 48, 1401-1410.	2.9	54
28	Towards Newer Molecular Targets for Chronic Diabetic Complications. Current Vascular Pharmacology, 2006, 4, 45-57.	0.8	52
29	Potential Contributory Role of H-Ras, a Small G-Protein, in the Development of Retinopathy in Diabetic Rats. Diabetes, 2004, 53, 775-783.	0.3	48
30	Switch from Canonical to Noncanonical Wnt Signaling Mediates High Glucose-Induced Adipogenesis. Stem Cells, 2014, 32, 1649-1660.	1.4	47
31	Pro-oxidant Role of Heme Oxygenase in Mediating Glucose-induced Endothelial Cell Damage. Free Radical Research, 2004, 38, 1301-1310.	1.5	39
32	Evolution of hemangioma endothelium. Experimental and Molecular Pathology, 2012, 93, 264-272.	0.9	39
33	Costunolide specifically binds and inhibits thioredoxin reductase 1 to induce apoptosis in colon cancer. Cancer Letters, 2018, 412, 46-58.	3.2	38
34	Kaempferol reduces K63-linked polyubiquitination to inhibit nuclear factor- κ B and inflammatory responses in acute lung injury in mice. Toxicology Letters, 2019, 306, 53-60.	0.4	38
35	Arachidonic acid inhibits inflammatory responses by binding to myeloid differentiation factor-2 (MD2) and preventing MD2/toll-like receptor 4 signaling activation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2020, 1866, 165683.	1.8	34
36	Endothelin-mediated remodeling in aortas of diabetic rats. Diabetes/Metabolism Research and Reviews, 2005, 21, 367-375.	1.7	33

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37	Propranolol inhibits growth of hemangioma-initiating cells but does not induce apoptosis. <i>Pediatric Research</i> , 2014, 75, 381-388.	1.1	33
38	Blockade of myeloid differentiation 2 attenuates diabetic nephropathy by reducing activation of the renin-angiotensin system in mouse kidneys. <i>British Journal of Pharmacology</i> , 2019, 176, 2642-2657.	2.7	31
39	Pathophysiological role of enhanced bone marrow adipogenesis in diabetic complications. <i>Adipocyte</i> , 2014, 3, 263-272.	1.3	30
40	ED-B FIBRONECTIN IN NON-SMALL CELL LUNG CARCINOMA. <i>Experimental Lung Research</i> , 2005, 31, 701-711.	0.5	27
41	Heme-oxygenase-mediated iron accumulation in the liver. <i>Canadian Journal of Physiology and Pharmacology</i> , 2004, 82, 448-456.	0.7	25
42	11 β -Hydroxysteroid Dehydrogenase Type 1(11 β -HSD1) mediates insulin resistance through JNK activation in adipocytes. <i>Scientific Reports</i> , 2016, 6, 37160.	1.6	25
43	Vascular stem cells in diabetic complications: evidence for a role in the pathogenesis and the therapeutic promise. <i>Cardiovascular Diabetology</i> , 2012, 11, 37.	2.7	24
44	Glucose-induced Akt1 activation mediates fibronectin synthesis in endothelial cells. <i>Diabetologia</i> , 2005, 48, 2428-2436.	2.9	23
45	C-peptide and Retinal Microangiopathy in Diabetes. <i>Experimental Diabetes Research</i> , 2004, 5, 91-96.	1.0	22
46	Mechanisms of propranolol action in infantile hemangioma. <i>Dermato-Endocrinology</i> , 2014, 6, e979699.	1.9	22
47	Glucose-induced serum- and glucocorticoid-regulated kinase activation in oncofetal fibronectin expression. <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 275-280.	1.0	21
48	Endothelins: regulators of extracellular matrix protein production in diabetes. <i>Experimental Biology and Medicine</i> , 2006, 231, 1022-9.	1.1	21
49	Regulation of Vascular Endothelial Growth Factor Expression by Extra Domain B Segment of Fibronectin in Endothelial Cells. , 2012, 53, 8333.		20
50	Elevated IGF2 prevents leptin induction and terminal adipocyte differentiation in hemangioma stem cells. <i>Experimental and Molecular Pathology</i> , 2013, 94, 126-136.	0.9	20
51	Inhibition of STAT3 activation mediated by toll-like receptor 4 attenuates angiotensin II-induced renal fibrosis and dysfunction. <i>British Journal of Pharmacology</i> , 2019, 176, 2627-2641.	2.7	19
52	Fatty acid methyl esters are detectable in the plasma and their presence correlates with liver dysfunction. <i>Clinica Chimica Acta</i> , 2005, 359, 141-149.	0.5	18
53	Therapeutic Targeting of Endothelial Dysfunction in Chronic Diabetic Complications. <i>Recent Patents on Cardiovascular Drug Discovery</i> , 2006, 1, 167-175.	1.5	18
54	Akt activation and augmented fibronectin production in hyperhexosemia. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E1036-E1044.	1.8	18

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55	(S)-crizotinib reduces gastric cancer growth through oxidative DNA damage and triggers pro-survival akt signal. <i>Cell Death and Disease</i> , 2018, 9, 660.	2.7	18
56	Curcumin Analogs Reduce Stress and Inflammation Indices in Experimental Models of Diabetes. <i>Frontiers in Endocrinology</i> , 2019, 10, 887.	1.5	18
57	The role of the sodium hydrogen exchanger-1 in mediating diabetes-induced changes in the retina. <i>Diabetes/Metabolism Research and Reviews</i> , 2004, 20, 61-71.	1.7	17
58	Intrinsic regulation of hemangioma involution by platelet-derived growth factor. <i>Cell Death and Disease</i> , 2012, 3, e328-e328.	2.7	16
59	Expression of ferroportin in hemochromatosis liver. <i>Blood Cells, Molecules, and Diseases</i> , 2003, 31, 256-261.	0.6	15
60	Alteration of Endothelins: A Common Pathogenetic Mechanism in Chronic Diabetic Complications. <i>International Journal of Experimental Diabetes Research</i> , 2002, 3, 217-231.	1.0	13
61	Endothelin-Mediated Oncofetal Fibronectin Expression in Chronic Allograft Nephropathy. <i>Transplantation</i> , 2006, 82, 406-414.	0.5	11
62	2-Amino-phenoxazine-3-one Attenuates Glucose-Induced Augmentation of Embryonic Form of Myosin Heavy Chain, Endothelin-1 and Plasminogen Activator Inhibitor-1 in Human Umbilical Vein Endothelial Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2005, 28, 797-801.	0.6	8
63	Glucose-induced regulation of novel iron transporters in vascular endothelial cell dysfunction. <i>Free Radical Research</i> , 2005, 39, 1203-1210.	1.5	8
64	Elevated T-box 2 in infantile hemangioma stem cells maintains an adipogenic differentiation-competent state. <i>Dermato-Endocrinology</i> , 2013, 5, 352-357.	1.9	8
65	11 β -HSD1 inhibition ameliorates diabetes-induced cardiomyocyte hypertrophy and cardiac fibrosis through modulation of EGFR activity. <i>Oncotarget</i> , 2017, 8, 96263-96275.	0.8	8
66	Hemangioblastoma Stromal Cells Show Committed Stem Cell Phenotype. <i>Canadian Journal of Neurological Sciences</i> , 2012, 39, 821-827.	0.3	7
67	Surrogate markers for high-risk human papillomavirus infection in oral epithelial dysplasia: A comparison of p16, Ki-67, and ProExC. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2020, 129, 246-259.e1.	0.2	4
68	Response to α -inhibition of p300 and nuclear factor- κ B by curcumin and its role in diabetic nephropathy. <i>Nutrition</i> , 2009, 25, 975-976.	1.1	3
69	Identifying Candidate Biomarkers for Pleomorphic Adenoma: A Case-Control Study. <i>Head and Neck Pathology</i> , 2019, 13, 286-297.	1.3	3
70	Kallikrein-Related Peptidase mRNA Expression in Adenoid Cystic Carcinoma of Salivary Glands: A Polymerase Chain Reaction Study. <i>Head and Neck Pathology</i> , 2020, 14, 577-587.	1.3	2
71	<i>Frontiers in Cardiovascular Drug Discovery</i> . , 2012, , .		2
72	Kallikrein-related peptidase expression in odontogenic cysts and tumors: An immunohistochemical comparative study. <i>Journal of Investigative and Clinical Dentistry</i> , 2017, 8, e12256.	1.8	1

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73	Human Tissue Kallikreins in Polymorphous Adenocarcinoma: A Polymerase Chain Reaction and Immunohistochemical Study. <i>Head and Neck Pathology</i> , 2021, 15, 169-178.	1.3	1