Krishna Singh

List of Publications by Year in Descending Order

47 papers	2,497 citations	21 h-index	47 g-index
47 ext. papers	2,684 ext. citations	5.7 avg, IF	4.51 L-index

#	Paper	IF	Citations
47	Cardioprotective Potential of Exogenous Ubiquitin. *Cardiovascular Drugs and Therapy*, **2021**, 35, 1227-1232	3.9	0
46	Deficiency of ataxia-telangiectasia mutated kinase modulates functional and biochemical parameters of the heart in response to Western-type diet. *American Journal of Physiology - Heart and Circulatory Physiology*, **2021**, 320, H2324-H2338	5.2	2
45	Exogenous ubiquitin attenuates hypoxia/reoxygenation-induced cardiac myocyte apoptosis via the involvement of CXCR4 and modulation of mitochondrial homeostasis. *Biochemistry and Cell Biology*, **2020**, 98, 492-501	3.6	6
44	Heart failure and diabetes: role of ATM. *Current Opinion in Pharmacology*, **2020**, 54, 27-35	5.1	7
43	Exogenous ubiquitin reduces inflammatory response and preserves myocardial function 3 days post-ischemia-reperfusion injury. *American Journal of Physiology - Heart and Circulatory Physiology*, **2019**, 316, H617-H628	5.2	16
42	Ataxia telangiectasia mutated kinase deficiency impairs the autophagic response early during myocardial infarction. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 315, H48-H57	5.2	5
41	Extracellular ubiquitin modulates cardiac fibroblast phenotype and function via its interaction with CXCR4. *Life Sciences*, **2018**, 211, 8-16	6.8	13
40	NF2 signaling pathway plays a pro-apoptotic role in β-adrenergic receptor stimulated cardiac myocyte apoptosis. *PLoS ONE*, **2018**, 13, e0196626	3.7	11
39	Cervical vagus nerve stimulation augments spontaneous discharge in second- and higher-order sensory neurons in the rat nucleus of the solitary tract. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 313, H354-H367	5.2	15
38	Ataxia-Telangiectasia Mutated Kinase: Role in Myocardial Remodeling **2017**, 2, 32-37		3
37	Confirmation of Myocardial Ischemia and Reperfusion Injury in Mice Using Surface Pad Electrocardiography. *Journal of Visualized Experiments*, **2016**,	1.6	6
36	Osteopontin-stimulated apoptosis in cardiac myocytes involves oxidative stress and mitochondrial death pathway: role of a pro-apoptotic protein BIK. *Molecular and Cellular Biochemistry*, **2016**, 418, 1-11	4.2	21
35	Ataxia telangiectasia-mutated kinase deficiency exacerbates left ventricular dysfunction and remodeling late after myocardial infarction. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 311, H445-52	5.2	16
34	β-arrestin 2 attenuates cardiac dysfunction in polymicrobial sepsis through gp130 and p38. *Biochemistry and Biophysics Reports*, **2016**, 7, 130-137	2.2	2
33	Extracellular Ubiquitin: Role in Myocyte Apoptosis and Myocardial Remodeling. *Comprehensive Physiology*, **2015**, 6, 527-60	7.7	10
32	Osteopontin-Stimulated Apoptosis in Cardiac Myocytes Involves Reactive Oxygen Species and Mitochondrial Pathway. *FASEB Journal*, **2015**, 29, 975.4	0.9	
31	Extracellular Ubiquitin Modulates Cardiac Fibroblast Phenotype and Function. *FASEB Journal*, **2015**, 29, 671.4	0.9	

30	Osteopontin: At the cross-roads of myocyte survival and myocardial function. *Life Sciences*, **2014**, 118, 1-6	6.8	34
29	Osteopontin stimulates apoptosis in adult cardiac myocytes via the involvement of CD44 receptors, mitochondrial death pathway, and endoplasmic reticulum stress. *American Journal of Physiology - Heart and Circulatory Physiology*, **2014**, 306, H1182-91	5.2	26
28	Exacerbation of celecoxib-induced renal injury by concomitant administration of misoprostol in rats. *PLoS ONE*, **2014**, 9, e89087	3.7	6
27	Extracellular ubiquitin increases expression of angiogenic molecules and stimulates angiogenesis in cardiac microvascular endothelial cells. *Microcirculation*, **2014**, 21, 324-32	2.9	25
26	Deficiency of ataxia telangiectasia mutated kinase modulates cardiac remodeling following myocardial infarction: involvement in fibrosis and apoptosis. *PLoS ONE*, **2013**, 8, e83513	3.7	23
25	Osteopontin Stimulates Cardiac Myocyte Apoptosis via the Involvement of ER Stress and Mitochondrial Death Pathway. *FASEB Journal*, **2013**, 27, 727.3	0.9	
24	Lack of ataxia telangiectasia mutated kinase induces structural and functional changes in the heart: role in β-adrenergic receptor-stimulated apoptosis. *Experimental Physiology*, **2012**, 97, 506-515	2.4	13
23	β-adrenergic receptor stimulation induces endoplasmic reticulum stress in adult cardiac myocytes: role in apoptosis. *Molecular and Cellular Biochemistry*, **2012**, 364, 59-70	4.2	40
22	Exogenous ubiquitin modulates chronic β-adrenergic receptor-stimulated myocardial remodeling: role in Akt activity and matrix metalloproteinase expression. *American Journal of Physiology - Heart and Circulatory Physiology*, **2012**, 303, H1459-68	5.2	19
21	β-Adrenergic Receptor (βAR)-Stimulated Cardiac Myocyte Apoptosis and Myocardial Remodeling are Modulated by Exogenous Ubiquitin. *FASEB Journal*, **2012**, 26, 1139.3	0.9	
20	Ataxia telangiectasia mutated kinase plays a protective role in β-adrenergic receptor-stimulated cardiac myocyte apoptosis and myocardial remodeling. *Molecular and Cellular Biochemistry*, **2011**, 353, 13-22	4.2	21
19	Extracellular ubiquitin inhibits beta-AR-stimulated apoptosis in cardiac myocytes: role of GSK-3beta and mitochondrial pathways. *Cardiovascular Research*, **2010**, 86, 20-8	9.9	37
18	Role of osteopontin in heart failure associated with aging. *Heart Failure Reviews*, **2010**, 15, 487-94	5	37
17	Inhibition of matrix metalloproteinases improves left ventricular function in mice lacking osteopontin after myocardial infarction. *Molecular and Cellular Biochemistry*, **2009**, 322, 53-62	4.2	44
16	ATM plays a protective role in β-adrenergic receptor (βAR)-stimulated cardiac myocyte apoptosis and myocardial remodeling. *FASEB Journal*, **2009**, 23, 953.13	0.9	
15	Downregulation of VEGF-D expression by interleukin-1beta in cardiac microvascular endothelial cells is mediated by MAPKs and PKCalpha/beta1. *Journal of Cellular Physiology*, **2008**, 215, 337-43	7	18
14	Interleukin-1beta increases expression and activity of matrix metalloproteinase-2 in cardiac microvascular endothelial cells: role of PKCalpha/beta1 and MAPKs. *American Journal of Physiology - Cell Physiology*, **2007**, 292, C867-75	5.4	73
13	Beta1 integrins modulate beta-adrenergic receptor-stimulated cardiac myocyte apoptosis and myocardial remodeling. *Hypertension*, **2007**, 49, 865-72	8.5	78

12	Glycogen synthase kinase-3beta plays a pro-apoptotic role in beta-adrenergic receptor-stimulated apoptosis in adult rat ventricular myocytes: Role of beta1 integrins. *Journal of Molecular and Cellular Cardiology*, **2007**, 42, 653-61	5.8	44
11	beta-Adrenergic receptor-stimulated apoptosis in adult cardiac myocytes involves MMP-2-mediated disruption of beta1 integrin signaling and mitochondrial pathway. *American Journal of Physiology - Cell Physiology*, **2006**, 290, C254-61	5.4	59
10	Expression of the cytoplasmic domain of beta1 integrin induces apoptosis in adult rat ventricular myocytes (ARVM) via the involvement of caspase-8 and mitochondrial death pathway. *Basic Research in Cardiology*, **2006**, 101, 485-93	11.8	16
9	Beta-adrenergic receptor-stimulated apoptosis in cardiac myocytes is mediated by reactive oxygen species/c-Jun NH2-terminal kinase-dependent activation of the mitochondrial pathway. *Circulation Research*, **2003**, 92, 136-8	15.7	214
8	Osteopontin inhibits interleukin-1beta-stimulated increases in matrix metalloproteinase activity in adult rat cardiac fibroblasts: role of protein kinase C-zeta. *Journal of Biological Chemistry*, **2003**, 278, 48546-52	5.4	58
7	Adrenergic regulation of cardiac myocyte apoptosis. *Journal of Cellular Physiology*, **2001**, 189, 257-65	7	167
6	Regulation of angiotensin II-stimulated osteopontin expression in cardiac microvascular endothelial cells: role of p42/44 mitogen-activated protein kinase and reactive oxygen species. *Journal of Cellular Physiology*, **2001**, 188, 132-8	7	69
5	Mice lacking inducible nitric oxide synthase have improved left ventricular contractile function and reduced apoptotic cell death late after myocardial infarction. *Circulation Research*, **2001**, 89, 351-6	15.7	139
4	Inhibition of protein phosphatase 1 induces apoptosis in neonatal rat cardiac myocytes: role of adrenergic receptor stimulation. *Basic Research in Cardiology*, **2000**, 95, 389-96	11.8	11
3	Opposing effects of beta(1)- and beta(2)-adrenergic receptors on cardiac myocyte apoptosis : role of a pertussis toxin-sensitive G protein. *Circulation*, **1999**, 100, 2210-2	16.7	483
2	Changes in Gene Expression during the Transition from Compensated Hypertrophy to Heart Failure. *Heart Failure Reviews*, **1999**, 4, 361-378	5	
1	Norepinephrine stimulates apoptosis in adult rat ventricular myocytes by activation of the beta-adrenergic pathway. *Circulation*, **1998**, 98, 1329-34	16.7	610