

Anindita Das

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

83

papers

4,233

citations

38

h-index

64

g-index

96

ext. papers

4,649

ext. citations

6.2

avg, IF

5.32

L-index

#	Paper	IF	Citations
83	Phosphodiesterase-5 inhibition with sildenafil attenuates cardiomyocyte apoptosis and left ventricular dysfunction in a chronic model of doxorubicin cardiotoxicity. <i>Circulation</i> , 2005 , 111, 1601-10	16.7	280
82	Phosphodiesterase-5 inhibitor sildenafil preconditions adult cardiac myocytes against necrosis and apoptosis. Essential role of nitric oxide signaling. <i>Journal of Biological Chemistry</i> , 2005 , 280, 12944-55	5.4	272
81	Anakinra, a recombinant human interleukin-1 receptor antagonist, inhibits apoptosis in experimental acute myocardial infarction. <i>Circulation</i> , 2008 , 117, 2670-83	16.7	264
80	Rapamycin confers preconditioning-like protection against ischemia-reperfusion injury in isolated mouse heart and cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2006 , 41, 256-64	5.8	166
79	Pharmacological preconditioning with sildenafil: Basic mechanisms and clinical implications. <i>Vascular Pharmacology</i> , 2005 , 42, 219-32	5.9	155
78	Protein kinase G-dependent cardioprotective mechanism of phosphodiesterase-5 inhibition involves phosphorylation of ERK and GSK3beta. <i>Journal of Biological Chemistry</i> , 2008 , 283, 29572-85	5.4	153
77	PDE5 inhibitors as therapeutics for heart disease, diabetes and cancer. <i>Pharmacology & Therapeutics</i> , 2015 , 147, 12-21	13.9	144
76	Cardioprotection with phosphodiesterase-5 inhibition--a novel preconditioning strategy. <i>Journal of Molecular and Cellular Cardiology</i> , 2004 , 36, 165-73	5.8	131
75	Sildenafil (Viagra) attenuates ischemic cardiomyopathy and improves left ventricular function in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H1398-406	5.2	129
74	Sildenafil increases chemotherapeutic efficacy of doxorubicin in prostate cancer and ameliorates cardiac dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 18202-7	11.5	116
73	ERK phosphorylation mediates sildenafil-induced myocardial protection against ischemia-reperfusion injury in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H1236-43	5.2	110
72	Mammalian target of rapamycin (mTOR) inhibition with rapamycin improves cardiac function in type 2 diabetic mice: potential role of attenuated oxidative stress and altered contractile protein expression. <i>Journal of Biological Chemistry</i> , 2014 , 289, 4145-60	5.4	107
71	Cyclic GMP-dependent protein kinase Ialpha attenuates necrosis and apoptosis following ischemia/reoxygenation in adult cardiomyocyte. <i>Journal of Biological Chemistry</i> , 2006 , 281, 38644-52	5.4	102
70	Pharmacologic Inhibition of the NLRP3 Inflammasome Preserves Cardiac Function After Ischemic and Nonischemic Injury in the Mouse. <i>Journal of Cardiovascular Pharmacology</i> , 2015 , 66, 1-8	3.1	100
69	Rapamycin protects against myocardial ischemia-reperfusion injury through JAK2-STAT3 signaling pathway. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 53, 858-69	5.8	99
68	Suppression of the protein tyrosine phosphatase receptor type O gene (PTPRO) by methylation in hepatocellular carcinomas. <i>Oncogene</i> , 2003 , 22, 6319-31	9.2	95
67	Tumor-derived p53 mutants induce oncogenesis by transactivating growth-promoting genes. <i>Oncogene</i> , 2004 , 23, 4430-43	9.2	91

66	Sildenafil (Viagra) attenuates ischemic cardiomyopathy and improves left ventricular function in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H1398-H1406	5.2	90
65	Induction of microRNA-21 with exogenous hydrogen sulfide attenuates myocardial ischemic and inflammatory injury in mice. <i>Circulation: Cardiovascular Genetics</i> , 2014 , 7, 311-20		84
64	Long-acting phosphodiesterase-5 inhibitor tadalafil attenuates doxorubicin-induced cardiomyopathy without interfering with chemotherapeutic effect. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 334, 1023-30	4.7	80
63	Dietary nitrate supplementation protects against Doxorubicin-induced cardiomyopathy by improving mitochondrial function. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 2181-9	15.1	71
62	Anti-inflammatory and cardioprotective effects of tadalafil in diabetic mice. <i>PLoS ONE</i> , 2012 , 7, e45243	3.7	65
61	Protein kinase C plays an essential role in sildenafil-induced cardioprotection in rabbits. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H1455-60	5.2	63
60	Phosphodiesterase-5 inhibitor tadalafil attenuates oxidative stress and protects against myocardial ischemia/reperfusion injury in type 2 diabetic mice. <i>Free Radical Biology and Medicine</i> , 2013 , 60, 80-8	7.8	62
59	Interleukin-1 trap attenuates cardiac remodeling after experimental acute myocardial infarction in mice. <i>Journal of Cardiovascular Pharmacology</i> , 2010 , 55, 117-22	3.1	62
58	Loss of myocardial ischemic postconditioning in adenosine A1 and bradykinin B2 receptors gene knockout mice. <i>Circulation</i> , 2008 , 118, S32-7	16.7	62
57	Cyclic guanosine monophosphate signaling and phosphodiesterase-5 inhibitors in cardioprotection. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 1921-7	15.1	58
56	Phosphodiesterase 5 inhibitors enhance chemotherapy killing in gastrointestinal/genitourinary cancer cells. <i>Molecular Pharmacology</i> , 2014 , 85, 408-19	4.3	56
55	Cinaciguat, a novel activator of soluble guanylate cyclase, protects against ischemia/reperfusion injury: role of hydrogen sulfide. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H1347-54	5.2	55
54	Reperfusion therapy with recombinant human relaxin-2 (Serelaxin) attenuates myocardial infarct size and NLRP3 inflammasome following ischemia/reperfusion injury via eNOS-dependent mechanism. <i>Cardiovascular Research</i> , 2017 , 113, 609-619	9.9	54
53	Par-4, a pro-apoptotic gene, inhibits radiation-induced NF kappa B activity and Bcl-2 expression leading to induction of radiosensitivity in human prostate cancer cells PC-3. <i>Cancer Biology and Therapy</i> , 2002 , 1, 152-60	4.6	53
52	Preconditioning by phosphodiesterase-5 inhibition improves therapeutic efficacy of adipose-derived stem cells following myocardial infarction in mice. <i>Stem Cells</i> , 2012 , 30, 326-35	5.8	52
51	Restoration of transforming growth factor-beta signaling enhances radiosensitivity by altering the Bcl-2/Bax ratio in the p53 mutant pancreatic cancer cell line MIA PaCa-2. <i>Journal of Biological Chemistry</i> , 2002 , 277, 2234-46	5.4	49
50	Ionizing radiation down-regulates p53 protein in primary Egr-1-/- mouse embryonic fibroblast cells causing enhanced resistance to apoptosis. <i>Journal of Biological Chemistry</i> , 2001 , 276, 3279-86	5.4	44
49	Metformin attenuates ER stress-induced mitochondrial dysfunction. <i>Translational Research</i> , 2017 , 190, 40-50	11	43

48	Sirtuin 1 (SIRT1) activation mediates sildenafil induced delayed cardioprotection against ischemia-reperfusion injury in mice. <i>PLoS ONE</i> , 2014 , 9, e86977	3.7	43
47	Emerging new uses of phosphodiesterase-5 inhibitors in cardiovascular diseases. <i>Experimental and Clinical Cardiology</i> , 2011 , 16, e30-5		39
46	Inhibition of mammalian target of rapamycin protects against reperfusion injury in diabetic heart through STAT3 signaling. <i>Basic Research in Cardiology</i> , 2015 , 110, 31	11.8	38
45	Reperfusion Therapy with Rapamycin Attenuates Myocardial Infarction through Activation of AKT and ERK. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 4619720	6.7	38
44	Sacubitril/Valsartan Averts Adverse Post-Infarction Ventricular Remodeling and Preserves Systolic Function in Rabbits. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 2342-2356	15.1	38
43	Dietary inorganic nitrate alleviates doxorubicin cardiotoxicity: mechanisms and implications. <i>Nitric Oxide - Biology and Chemistry</i> , 2012 , 26, 274-84	5	34
42	Deciphering Non-coding RNAs in Cardiovascular Health and Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2018 , 5, 73	5.4	33
41	Cardiovascular Complications Associated with COVID-19 and Potential Therapeutic Strategies. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	32
40	Sildenafil (Viagra) sensitizes prostate cancer cells to doxorubicin-mediated apoptosis through CD95. <i>Oncotarget</i> , 2016 , 7, 4399-413	3.3	29
39	Hypercholesterolemia enhances tolerance to lethal systemic hypoxia in middle-aged mice: possible role of VEGF downregulation in brain. <i>Molecular and Cellular Biochemistry</i> , 2006 , 291, 205-11	4.2	22
38	Hydrogen sulfide mediates the cardioprotective effects of gene therapy with PKG-1 β . <i>Basic Research in Cardiology</i> , 2015 , 110, 42	11.8	21
37	Emerging Role of mTOR Signaling-Related miRNAs in Cardiovascular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 6141902	6.7	21
36	Beet root juice protects against doxorubicin toxicity in cardiomyocytes while enhancing apoptosis in breast cancer cells. <i>Molecular and Cellular Biochemistry</i> , 2016 , 421, 89-101	4.2	19
35	Relaxin in the Heart: A Novel Therapeutic Modality. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2016 , 21, 353-62	2.6	18
34	Endoplasmic reticulum stress-mediated mitochondrial dysfunction in aged hearts. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165899	6.9	18
33	Protective effects of parecoxib, a cyclo-oxygenase-2 inhibitor, in postinfarction remodeling in the rat. <i>Journal of Cardiovascular Pharmacology</i> , 2007 , 50, 571-7	3.1	17
32	Cardiac Specific Knockout of p53 Decreases ER Stress-Induced Mitochondrial Damage. <i>Frontiers in Cardiovascular Medicine</i> , 2019 , 6, 10	5.4	16
31	Adenosine A(1) receptor mediates delayed cardioprotective effect of sildenafil in mouse. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 43, 545-51	5.8	16

30	Sildenafil Potentiates the Therapeutic Efficacy of Docetaxel in Advanced Prostate Cancer by Stimulating NO-cGMP Signaling. <i>Clinical Cancer Research</i> , 2020 , 26, 5720-5734	12.9	15
29	Chronic treatment with novel nanoformulated micelles of rapamycin, Rapatar, protects diabetic heart against ischaemia/reperfusion injury. <i>British Journal of Pharmacology</i> , 2017 , 174, 4771-4784	8.6	13
28	STAT3-miR-17/20 signalling axis plays a critical role in attenuating myocardial infarction following rapamycin treatment in diabetic mice. <i>Cardiovascular Research</i> , 2020 , 116, 2103-2115	9.9	10
27	Targeted Inhibition of Phosphoinositide 3-Kinase/Mammalian Target of Rapamycin Sensitizes Pancreatic Cancer Cells to Doxorubicin without Exacerbating Cardiac Toxicity. <i>Molecular Pharmacology</i> , 2015 , 88, 512-23	4.3	9
26	Cardiovascular risks and toxicity - The Achilles heel of androgen deprivation therapy in prostate cancer patients. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2020 , 1874, 188383	11.2	9
25	Persistent Proarrhythmic Neural Remodeling Despite Recovery From Premature Ventricular Contraction-Induced Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 1-13	15.1	9
24	Reversal of Endothelial Extracellular Vesicle-Induced Smooth Muscle Phenotype Transition by Hypercholesterolemia Stimulation: Role of NLRP3 Inflammasome Activation. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 597423	5.7	8
23	Long-acting PDE5 inhibitor tadalafil prevents early doxorubicin-induced left ventricle diastolic dysfunction in juvenile mice: potential role of cytoskeletal proteins. <i>Canadian Journal of Physiology and Pharmacology</i> , 2017 , 95, 295-304	2.4	7
22	Remote Ischemic Pre-Conditioning Attenuates Adverse Cardiac Remodeling and Mortality Following Doxorubicin Administration in Mice. <i>JACC: CardioOncology</i> , 2019 , 1, 221-234	3.8	6
21	B7-33, a Functionally Selective Relaxin Receptor 1 Agonist, Attenuates Myocardial Infarction-Related Adverse Cardiac Remodeling in Mice. <i>Journal of the American Heart Association</i> , 2020 , 9, e015748	6	6
20	Differential Regulation of mTOR Complexes with miR-302a Attenuates Myocardial Reperfusion Injury in Diabetes. <i>IScience</i> , 2020 , 23, 101863	6.1	4
19	Hydrogen Sulfide Therapy Suppresses Cofilin-2 and Attenuates Ischemic Heart Failure in a Mouse Model of Myocardial Infarction. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2020 , 25, 472-483	2.6	4
18	A dual PI3 kinase/mTOR inhibitor BEZ235 reverses doxorubicin resistance in ABCB1 overexpressing ovarian and pancreatic cancer cell lines. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2020 , 1864, 129556	4.5	2
17	Role of phosphodiesterase 1 in the pathophysiology of diseases and potential therapeutic opportunities. <i>Pharmacology & Therapeutics</i> , 2021 , 226, 107858	13.9	2
16	PDE5 inhibitor sildenafil attenuates cardiac microRNA 214 upregulation and pro-apoptotic signaling after chronic alcohol ingestion in mice. <i>Molecular and Cellular Biochemistry</i> , 2020 , 471, 189-201	4.2	1
15	Cardiac Gene Therapy With Relaxin Receptor 1 Overexpression Protects Against Acute Myocardial Infarction. <i>JACC Basic To Translational Science</i> , 2022 , 7, 53-63	8.7	1
14	Embryonic Stem Cells Derived Exosomes Enhances Chemosensitivity of Doxorubicin in Breast Cancer Cells. <i>FASEB Journal</i> , 2019 , 33, 646.7	0.9	1
13	PDE1 Inhibition Attenuates Doxorubicin-Induced Toxicity in Primary Mouse Cardiomyocytes. <i>FASEB Journal</i> , 2019 , 33, 817.12	0.9	1

12	Phosphodiesterase-5 Inhibition with Tadalafil Attenuates Left Ventricular Dysfunction and Cardiomyocyte Apoptosis in Doxorubicin-induced Cardiotoxicity in Mice. <i>FASEB Journal</i> , 2010 , 24, 785.10 ^{0.9}	1
11	Postconditioning Effect of PDE5 inhibitor, Sildenafil in Normal and Diabetic Rabbits following Myocardial Ischemia/Reperfusion injury.. <i>FASEB Journal</i> , 2018 , 32, 580.16	0.9 0
10	Preclinical model of type 1 diabetes and myocardial ischemia/reperfusion injury in conscious rabbits-demonstration of cardioprotection with rapamycin. <i>STAR Protocols</i> , 2021 , 2, 100772	1.4 0
9	Targeted Gene Therapy with RXFP1 Attenuates Myocardial Infarction and Preserves Left Ventricular Function in Mice. <i>FASEB Journal</i> , 2018 , 32, 580.14	0.9
8	Rapamycin Alters MicroRNA Signature Profile in Diabetic Rabbit following Myocardial Ischemia Reperfusion Injury: A Preclinical Approach for Cardioprotection.. <i>FASEB Journal</i> , 2018 , 32, 717.24	0.9
7	BEZ235, a selective PI3k/mTOR inhibitor, enhances the therapeutic efficacy of doxorubicin in pancreatic cancer (655.7). <i>FASEB Journal</i> , 2014 , 28, 655.7	0.9
6	PDE5 Inhibition with Sildenafil Blocks Induction of Carboxylesteras3 and Reduces Cell Necrosis and Autophagy in Acute Alcohol-Induced Injury in Heart. <i>FASEB Journal</i> , 2015 , 29, 896.14	0.9
5	Acute Alcohol Treatment and Cardiac Dysfunction in Obese Diabetic Mice: Role of PDE5 and MicroRNA-21. <i>FASEB Journal</i> , 2015 , 29, 1020.9	0.9
4	BAY 58-2667, a Novel NO-Independent Activator of Soluble Guanylate Cyclase, Protects against Ischemia/Reperfusion Injury: Potential Role of Hydrogen Sulfide Signaling. <i>FASEB Journal</i> , 2010 , 24, 787.4 ^{0.9}	0.9
3	Rapamycin (Sirolimus)Induced protection against ischemia-reperfusion injury is mediated through AMPK, Akt and JAK/STAT pathways in mouse heart. <i>FASEB Journal</i> , 2010 , 24, 601.6	0.9
2	Adenoviral transfer of PKGI β attenuates apoptosis and necrosis in adipose derived stem cells. <i>FASEB Journal</i> , 2010 , 24, lb34	0.9
1	Role of mTOR Signaling in Cardioprotection 2016 , 245-262	