

Anindita Das

List of Publications by Year in descending order

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96
papers

5,089
citations

76196

40
h-index

91712

69
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96
all docs

96
docs citations

96
times ranked

6417
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphodiesterase-5 Inhibition With Sildenafil Attenuates Cardiomyocyte Apoptosis and Left Ventricular Dysfunction in a Chronic Model of Doxorubicin Cardiotoxicity. <i>Circulation</i> , 2005, 111, 1601-1610.	1.6	310
2	Anakinra, a Recombinant Human Interleukin-1 Receptor Antagonist, Inhibits Apoptosis in Experimental Acute Myocardial Infarction. <i>Circulation</i> , 2008, 117, 2670-2683.	1.6	309
3	Phosphodiesterase-5 Inhibitor Sildenafil Preconditions Adult Cardiac Myocytes against Necrosis and Apoptosis. <i>Journal of Biological Chemistry</i> , 2005, 280, 12944-12955.	1.6	304
4	PDE5 inhibitors as therapeutics for heart disease, diabetes and cancer. , 2015, 147, 12-21.		187
5	Pharmacological preconditioning with sildenafil: Basic mechanisms and clinical implications. <i>Vascular Pharmacology</i> , 2005, 42, 219-232.	1.0	184
6	Rapamycin confers preconditioning-like protection against ischemiaâ€“reperfusion injury in isolated mouse heart and cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 41, 256-264.	0.9	181
7	Protein Kinase G-dependent Cardioprotective Mechanism of Phosphodiesterase-5 Inhibition Involves Phosphorylation of ERK and GSK3Î². <i>Journal of Biological Chemistry</i> , 2008, 283, 29572-29585.	1.6	175
8	Cardioprotection with phosphodiesterase-5 inhibitionâ€“a novel preconditioning strategy. <i>Journal of Molecular and Cellular Cardiology</i> , 2004, 36, 165-173.	0.9	143
9	Sildenafil (Viagra) attenuates ischemic cardiomyopathy and improves left ventricular function in mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 294, H1398-H1406.	1.5	138
10	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, 18202-18207.	3.3	138
11	Mammalian Target of Rapamycin (mTOR) Inhibition with Rapamycin Improves Cardiac Function in Type 2 Diabetic Mice. <i>Journal of Biological Chemistry</i> , 2014, 289, 4145-4160.	1.6	130
12	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.	0.8	128
13	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-H1243.	1.5	121
14	Cyclic GMP-dependent Protein Kinase Î± Attenuates Necrosis and Apoptosis Following Ischemia/Reoxygenation in Adult Cardiomyocyte. <i>Journal of Biological Chemistry</i> , 2006, 281, 38644-38652.	1.6	112
15	Rapamycin protects against myocardial ischemiaâ€“reperfusion injury through JAK2â€“STAT3 signaling pathway. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 53, 858-869.	0.9	109
16	Suppression of the protein tyrosine phosphatase receptor type O gene (PTPRO) by methylation in hepatocellular carcinomas. <i>Oncogene</i> , 2003, 22, 6319-6331.	2.6	108
17	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.	1.5	102
18	Tumor-derived p53 mutants induce oncogenesis by transactivating growth-promoting genes. <i>Oncogene</i> , 2004, 23, 4430-4443.	2.6	100

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19	Induction of MicroRNA-21 With Exogenous Hydrogen Sulfide Attenuates Myocardial Ischemic and Inflammatory Injury in Mice. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 311-320.	5.1	97
20	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, 1023-1030.	1.3	93
21	Dietary Nitrate Supplementation Protects Against Doxorubicin-Induced Cardiomyopathy by Improving Mitochondrial Function. <i>Journal of the American College of Cardiology</i> , 2011, 57, 2181-2189.	1.2	82
22	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, cvw246.	1.8	78
23	Cyclic Guanosine Monophosphate Signaling and Phosphodiesterase-5 Inhibitors in Cardioprotection. <i>Journal of the American College of Cardiology</i> , 2012, 59, 1921-1927.	1.2	77
24	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-H1460.	1.5	74
25	Anti-Inflammatory and Cardioprotective Effects of Tadalafil in Diabetic Mice. <i>PLoS ONE</i> , 2012, 7, e45243.	1.1	72
26	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, 80-88.	1.3	72
27	Interleukin-1 Trap Attenuates Cardiac Remodeling After Experimental Acute Myocardial Infarction in Mice. <i>Journal of Cardiovascular Pharmacology</i> , 2010, 55, 117-122.	0.8	70
28	Phosphodiesterase 5 Inhibitors Enhance Chemotherapy Killing in Gastrointestinal/Genitourinary Cancer Cells. <i>Molecular Pharmacology</i> , 2014, 85, 408-419.	1.0	69
29	Loss of Myocardial Ischemic Postconditioning in Adenosine A ₁ and Bradykinin B ₂ Receptors Gene Knockout Mice. <i>Circulation</i> , 2008, 118, S32-7.	1.6	65
30	Metformin attenuates ER stress-induced mitochondrial dysfunction. <i>Translational Research</i> , 2017, 190, 40-50.	2.2	64
31	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.	1.2	63
32	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-H1354.	1.5	62
33	Par-4, A Pro-Apoptotic Gene, Inhibits Radiation-Induced NF κ 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, 152-160.	1.5	60
34	Preconditioning by Phosphodiesterase-5 Inhibition Improves Therapeutic Efficacy of Adipose-Derived Stem Cells Following Myocardial Infarction in Mice. <i>Stem Cells</i> , 2012, 30, 326-335.	1.4	56
35	Restoration of Transforming Growth Factor- β 2 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, 2234-2246.	1.6	55
36	Cardiovascular Complications Associated with COVID-19 and Potential Therapeutic Strategies. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6790.	1.8	52

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37	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, 3279-3286.	1.6	51
38	Sirtuin 1 (SIRT1) Activation Mediates Sildenafil Induced Delayed Cardioprotection against Ischemia-Reperfusion Injury in Mice. <i>PLoS ONE</i> , 2014, 9, e86977.	1.1	51
39	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.	2.5	50
40	Deciphering Non-coding RNAs in Cardiovascular Health and Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 73.	1.1	44
41	Reperfusion Therapy with Rapamycin Attenuates Myocardial Infarction through Activation of AKT and ERK. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-16.	1.9	41
42	Endoplasmic reticulum stress-mediated mitochondrial dysfunction in aged hearts. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165899.	1.8	41
43	Sildenafil (Viagra) sensitizes prostate cancer cells to doxorubicin-mediated apoptosis through CD95. <i>Oncotarget</i> , 2016, 7, 4399-4413.	0.8	40
44	Emerging new uses of phosphodiesterase-5 inhibitors in cardiovascular diseases. <i>Experimental and Clinical Cardiology</i> , 2011, 16, e30-5.	1.3	40
45	Dietary inorganic nitrate alleviates doxorubicin cardiotoxicity: Mechanisms and implications. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 26, 274-284.	1.2	39
46	Emerging Role of mTOR Signaling-Related miRNAs in Cardiovascular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-23.	1.9	32
47	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.	3.2	28
48	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.	1.4	24
49	Cardiac Specific Knockout of p53 Decreases ER Stress-Induced Mitochondrial Damage. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 10.	1.1	24
50	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.	1.2	24
51	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, 205-211.	1.4	23
52	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.	3.3	23
53	Protective Effects of Parecoxib, a Cyclo-Oxygenase-2 Inhibitor, in Postinfarction Remodeling in the Rat. <i>Journal of Cardiovascular Pharmacology</i> , 2007, 50, 571-577.	0.8	22
54	Hydrogen sulfide mediates the cardioprotective effects of gene therapy with PKG ^{-/-} . <i>Basic Research in Cardiology</i> , 2015, 110, 42.	2.5	22

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55	Relaxin™ the Heart. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2016, 21, 353-362.	1.0	22
56	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.	1.8	21
57	Adenosine A1 receptor mediates delayed cardioprotective effect of sildenafil in mouse. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 43, 545-551.	0.9	19
58	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.	2.7	18
59	Role of phosphodiesterase 1 in the pathophysiology of diseases and potential therapeutic opportunities. , 2021, 226, 107858.		18
60	mTOR Signaling in Cardiometabolic Disease, Cancer, and Aging. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-4.	1.9	15
61	Remote Ischemic Pre-Conditioning Attenuates Adverse Cardiac Remodeling and Mortality Following Doxorubicin Administration in Mice. <i>JACC: CardioOncology</i> , 2019, 1, 221-234.	1.7	15
62	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.	1.8	14
63	B7â€³3, a Functionally Selective Relaxin Receptor 1 Agonist, Attenuates Myocardial Infarctionâ€“Related Adverse Cardiac Remodeling in Mice. <i>Journal of the American Heart Association</i> , 2020, 9, e015748.	1.6	13
64	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, 512-523.	1.0	12
65	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.	0.7	11
66	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.	1.0	11
67	Differential Regulation of mTOR Complexes with miR-302a Attenuates Myocardial Reperfusion Injury in Diabetes. <i>IScience</i> , 2020, 23, 101863.	1.9	10
68	mTOR Signaling in Cardiometabolic Disease, Cancer, and Aging 2018. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-3.	1.9	8
69	Preclinical model of type 1 diabetes and myocardial ischemia/reperfusion injury in conscious rabbitsâ€”demonstration of cardioprotection with rapamycin. <i>STAR Protocols</i> , 2021, 2, 100772.	0.5	7
70	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.	1.1	6
71	Cardiac Gene Therapy With Relaxinâ€“Receptor 1 Overexpression Protects Against Acute Myocardialâ€“Infarction. <i>JACC Basic To Translational Science</i> , 2022, 7, 53-63.	1.9	4
72	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.	1.4	2

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73	PDE1 Inhibition Attenuates Doxorubicin-Induced Toxicity in Primary Mouse Cardiomyocytes. FASEB Journal, 2019, 33, 817.12.	0.2	1
74	Phosphodiesterase-5 Inhibition with Tadalafil Attenuates Left Ventricular Dysfunction and Cardiomyocyte Apoptosis in Doxorubicin-Induced Cardiotoxicity in Mice. FASEB Journal, 2010, 24, 785.10.	0.2	1
75	Postconditioning Effect of PDE5 inhibitor, Sildenafil in Normal and Diabetic Rabbits following Myocardial Ischemia/Reperfusion injury.. FASEB Journal, 2018, 32, 580.16.	0.2	1
76	Embryonic Stem Cells Derived Exosomes Enhances Chemosensitivity of Doxorubicin in Breast Cancer Cells. FASEB Journal, 2019, 33, 646.7.	0.2	1
77	Role of mTOR Signaling in Cardioprotection. , 2016, , 245-262.		0
78	BAY 58-2667, a Novel NO-Independent Activator of Soluble Guanylate Cyclase, Protects against Ischemia/Reperfusion Injury: Potential Role of Hydrogen Sulfide Signaling. FASEB Journal, 2010, 24, 787.4.	0.2	0
79	Rapamycin (Sirolimus)-induced protection against ischemia-reperfusion injury is mediated through AMPK, Akt and JAK/STAT pathways in mouse heart. FASEB Journal, 2010, 24, 601.6.	0.2	0
80	Adenoviral transfer of PKG1±; attenuates apoptosis and necrosis in adipose derived stem cells. FASEB Journal, 2010, 24, lb34.	0.2	0
81	The Role of PDE-5 Inhibitors in Prostate Cancer. , 0, , .		0
82	microRNA-21 mediates hydrogen sulfide-induced protection against ischemia/reperfusion injury in diabetic heart (1080.6). FASEB Journal, 2014, 28, .	0.2	0
83	BEZ235, a selective PI3k/mTOR inhibitor, enhances the therapeutic efficacy of doxorubicin in pancreatic cancer (655.7). FASEB Journal, 2014, 28, 655.7.	0.2	0
84	mTOR inhibition protects diabetic heart against ischemia/reperfusion injury through STAT3 activation (1078.5). FASEB Journal, 2014, 28, .	0.2	0
85	Abstract 15702: Reperfusion Therapy With Rapamycin in Diabetic Heart: Essential Role of STAT3 Signaling. Circulation, 2014, 130, .	1.6	0
86	PDE5 Inhibition with Sildenafil Blocks Induction of Carboxylesteras3 and Reduces Cell Necrosis and Autophagy in Acute Alcohol-Induced Injury in Heart. FASEB Journal, 2015, 29, 896.14.	0.2	0
87	Acute Alcohol Treatment and Cardiac Dysfunction in Obese Diabetic Mice: Role of PDE5 and MicroRNA-21. FASEB Journal, 2015, 29, 1020.9.	0.2	0
88	Targeted Gene Therapy with RFXP1 Attenuates Myocardial Infarction and Preserves Left Ventricular Function in Mice. FASEB Journal, 2018, 32, 580.14.	0.2	0
89	Rapamycin Alters MicroRNA Signature Profile in Diabetic Rabbit following Myocardial Ischemia Reperfusion Injury: A Preclinical Approach for Cardioprotection.. FASEB Journal, 2018, 32, 717.24.	0.2	0
90	Abstract 486: Deficiency of Myocardial miR-17-92 Cluster Exacerbates Ischemic Injury in Diabetic Mice. Circulation Research, 2019, 125, .	2.0	0

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91	Abstract 870: Cardiac Gene Therapy With Relaxin Receptor 1 Overexpression Protects Against Acute Myocardial Infarction and Associated Adverse Remodeling. <i>Circulation Research</i> , 2019, 125, .	2.0	0
92	Abstract 296: B7-33, a Functionally Selective Relaxin Receptor 1 Agonist, Exerts Protective Effects Against Myocardial ischemia-Reperfusion Injury in Mice. <i>Circulation Research</i> , 2019, 125, .	2.0	0
93	Abstract 17055: Novel Dual mTOR Inhibitor/AMPK Activator Mitigates Doxorubicin Cardiotoxicity and Potentiates Its Chemotherapeutic Efficacy Against Triple Negative Breast Cancer. <i>Circulation</i> , 2020, 142, .	1.6	0
94	Abstract 17414: Combination Therapy of Sildenafil and Rapamycin Alleviates Doxorubicin Induced Cardiotoxicity With Improvement of Skeletal Muscle Function. <i>Circulation</i> , 2020, 142, .	1.6	0
95	Anti-Tumor Effect of Embryonic Stem Cell Derived Exosomes in Triple Negative Breast Cancer: Potential Role of TCF7-Cadherin and VEGF. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
96	Abstract 14079: Targeted Deletion of Cardiac miR-17-92 Cluster Exacerbates Ischemic Myocardial Injury in Diabetic Mice Through Induction of Sphingolipid Biosynthesis and Cardiomyocyte Inflammation. <i>Circulation</i> , 2021, 144, .	1.6	0