

Anindita Das

List of Publications by Year in Descending Order

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Version: 2024-04-24

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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 | 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 |
| 82 | 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 |
| 81 | Role of phosphodiesterase 1 in the pathophysiology of diseases and potential therapeutic opportunities. <i>Pharmacology & Therapeutics</i> , 2021 , 226, 107858 | 13.9 | 2 |
| 80 | Differential Regulation of mTOR Complexes with miR-302a Attenuates Myocardial Reperfusion Injury in Diabetes. <i>IScience</i> , 2020 , 23, 101863 | 6.1 | 4 |
| 79 | 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 |
| 78 | 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 |
| 77 | 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 |
| 76 | 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, 129456 | 4.56 | 2 |
| 75 | 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 |
| 74 | 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 |
| 73 | 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 |
| 72 | Cardiovascular Complications Associated with COVID-19 and Potential Therapeutic Strategies. <i>International Journal of Molecular Sciences</i> , 2020 , 21, | 6.3 | 32 |
| 71 | 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 |
| 70 | 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 |
| 69 | 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 |
| 68 | Cardiac Specific Knockout of p53 Decreases ER Stress-Induced Mitochondrial Damage. <i>Frontiers in Cardiovascular Medicine</i> , 2019 , 6, 10 | 5.4 | 16 |
| 67 | Embryonic Stem Cells Derived Exosomes Enhances Chemosensitivity of Doxorubicin in Breast Cancer Cells. <i>FASEB Journal</i> , 2019 , 33, 646.7 | 0.9 | 1 |

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| 66 | PDE1 Inhibition Attenuates Doxorubicin-Induced Toxicity in Primary Mouse Cardiomyocytes. <i>FASEB Journal</i> , 2019 , 33, 817.12 | 0.9 | 1 |
| 65 | 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 |
| 64 | Deciphering Non-coding RNAs in Cardiovascular Health and Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2018 , 5, 73 | 5.4 | 33 |
| 63 | 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 |
| 62 | 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 | |
| 61 | 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 | |
| 60 | 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 |
| 59 | Emerging Role of mTOR Signaling-Related miRNAs in Cardiovascular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 6141902 | 6.7 | 21 |
| 58 | 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 |
| 57 | 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 |
| 56 | 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 |
| 55 | Metformin attenuates ER stress-induced mitochondrial dysfunction. <i>Translational Research</i> , 2017 , 190, 40-50 | 11 | 43 |
| 54 | 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 |
| 53 | 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 |
| 52 | Relaxin The Heart: A Novel Therapeutic Modality. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2016 , 21, 353-62 | 2.6 | 18 |
| 51 | Role of mTOR Signaling in Cardioprotection 2016 , 245-262 | | |
| 50 | Sildenafil (Viagra) sensitizes prostate cancer cells to doxorubicin-mediated apoptosis through CD95. <i>Oncotarget</i> , 2016 , 7, 4399-413 | 3.3 | 29 |
| 49 | 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 |

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| 48 | 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 |
| 47 | PDE5 inhibitors as therapeutics for heart disease, diabetes and cancer. <i>Pharmacology & Therapeutics</i> , 2015 , 147, 12-21 | 13.9 | 144 |
| 46 | 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 |
| 45 | 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 |
| 44 | PDE5 Inhibition with Sildenafil Blocks Induction of Carboxylesterase3 and Reduces Cell Necrosis and Autophagy in Acute Alcohol-Induced Injury in Heart. <i>FASEB Journal</i> , 2015 , 29, 896.14 | 0.9 | |
| 43 | 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 | |
| 42 | 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 |
| 41 | Phosphodiesterase 5 inhibitors enhance chemotherapy killing in gastrointestinal/genitourinary cancer cells. <i>Molecular Pharmacology</i> , 2014 , 85, 408-19 | 4.3 | 56 |
| 40 | 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 |
| 39 | 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 |
| 38 | 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 | |
| 37 | 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 |
| 36 | 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 |
| 35 | Dietary inorganic nitrate alleviates doxorubicin cardiotoxicity: mechanisms and implications. <i>Nitric Oxide - Biology and Chemistry</i> , 2012 , 26, 274-84 | 5 | 34 |
| 34 | 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 |
| 33 | Anti-inflammatory and cardioprotective effects of tadalafil in diabetic mice. <i>PLoS ONE</i> , 2012 , 7, e45243 | 3.7 | 65 |
| 32 | 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 |
| 31 | 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 |

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| 30 | 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 |
| 29 | Emerging new uses of phosphodiesterase-5 inhibitors in cardiovascular diseases. <i>Experimental and Clinical Cardiology</i> , 2011 , 16, e30-5 | | 39 |
| 28 | 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 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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, 787.4-9 | | 0.9 |
| 24 | 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 |
| 23 | Phosphodiesterase-5 Inhibition with Tadalafil Attenuates Left Ventricular Dysfunction and Cardiomyocyte Apoptosis in Doxorubicin-induced Cardiotoxicity in Mice. <i>FASEB Journal</i> , 2010 , 24, 785.10-9 | | 1 |
| 22 | Adenoviral transfer of PKG1 β attenuates apoptosis and necrosis in adipose derived stem cells. <i>FASEB Journal</i> , 2010 , 24, 1b34 | | 0.9 |
| 21 | 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 |
| 20 | Protein kinase G-dependent cardioprotective mechanism of phosphodiesterase-5 inhibition involves phosphorylation of ERK and GSK3 β . <i>Journal of Biological Chemistry</i> , 2008 , 283, 29572-85 | 5.4 | 153 |
| 19 | 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 |
| 18 | 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 |
| 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 | 5.2 | 90 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | Cyclic GMP-dependent protein kinase I α attenuates necrosis and apoptosis following ischemia/reoxygenation in adult cardiomyocyte. <i>Journal of Biological Chemistry</i> , 2006 , 281, 38644-52 | 5.4 | 102 |

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|----|--|------|-----|
| 12 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9 | Pharmacological preconditioning with sildenafil: Basic mechanisms and clinical implications. <i>Vascular Pharmacology</i> , 2005 , 42, 219-32 | 5.9 | 155 |
| 8 | 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 |
| 7 | 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 |
| 6 | Tumor-derived p53 mutants induce oncogenesis by transactivating growth-promoting genes. <i>Oncogene</i> , 2004 , 23, 4430-43 | 9.2 | 91 |
| 5 | Cardioprotection with phosphodiesterase-5 inhibition--a novel preconditioning strategy. <i>Journal of Molecular and Cellular Cardiology</i> , 2004 , 36, 165-73 | 5.8 | 131 |
| 4 | 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 |
| 3 | 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 |
| 2 | 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 |
| 1 | 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 |