

Paras Kumar Mishra

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2355361/publications.pdf>

Version: 2024-02-01

88
papers

2,461
citations

136950

32
h-index

206112

48
g-index

90
all docs

90
docs citations

90
times ranked

3236
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolites and Genes behind Cardiac Metabolic Remodeling in Mice with Type 1 Diabetes Mellitus. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1392.	4.1	0
2	Impaired microcirculatory function, mitochondrial respiration, and oxygen utilization in skeletal muscle of claudicating patients with peripheral artery disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H867-H879.	3.2	18
3	miR-133a Mitigates Ferroptosis by Attenuating Fatty Acid Metabolism in the Diabetic Heart. <i>FASEB Journal</i> , 2022, 36, .	0.5	0
4	Guidelines on models of diabetic heart disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 323, H176-H200.	3.2	20
5	Generating Ins2+/+/ <i>miR-133a</i> Tg Mice to Model miRNA-Driven Cardioprotection of Human Diabetic Heart. <i>Methods in Molecular Biology</i> , 2021, 2224, 113-121.	0.9	3
6	Intracellular matrix metalloproteinase-9 mediates epigenetic modifications and autophagy to regulate differentiation in human cardiac stem cells. <i>Stem Cells</i> , 2021, 39, 497-506.	3.2	9
7	Infarct in the Heart: What's MMP-9 Got to Do with It?. <i>Biomolecules</i> , 2021, 11, 491.	4.0	37
8	Why the diabetic heart is energy inefficient: a ketogenesis and ketolysis perspective. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 321, H751-H755.	3.2	11
9	Regulating Polyamine Metabolism by miRNAs in Diabetic Cardiomyopathy. <i>Current Diabetes Reports</i> , 2021, 21, 52.	4.2	3
10	Diabetes and COVID-19 risk: an miRNA perspective. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H604-H609.	3.2	19
11	Acute mitochondrial antioxidant intake improves endothelial function, antioxidant enzyme activity, and exercise tolerance in patients with peripheral artery disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 319, H456-H467.	3.2	57
12	MMP9 mediates acute hyperglycemia-induced human cardiac stem cell death by upregulating apoptosis and pyroptosis in vitro. <i>Cell Death and Disease</i> , 2020, 11, 186.	6.3	36
13	Editorial: The Non-coding Genome and Cardiovascular Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 98.	2.4	2
14	Guidelines for evaluating myocardial cell death. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H891-H922.	3.2	135
15	Isolation, Characterization, and Differentiation of Cardiac Stem Cells from the Adult Mouse Heart. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	6
16	Hydrogen Sulfide Ameliorates Homocysteine-Induced Cardiac Remodeling and Dysfunction. <i>Frontiers in Physiology</i> , 2019, 10, 598.	2.8	31
17	mTOR Signaling in Cardiometabolic Disease, Cancer, and Aging 2018. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-3.	4.0	8
18	Transgenic Expression of miR-133a in the Diabetic Akita Heart Prevents Cardiac Remodeling and Cardiomyopathy. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 45.	2.4	26

#	ARTICLE	IF	CITATIONS
19	Hydrogen sulfide-mediated regulation of cell death signaling ameliorates adverse cardiac remodeling and diabetic cardiomyopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H1237-H1252.	3.2	38
20	Exercise Training Promotes Cardiac Hydrogen Sulfide Biosynthesis and Mitigates Pyroptosis to Prevent High-Fat Diet-Induced Diabetic Cardiomyopathy. <i>Antioxidants</i> , 2019, 8, 638.	5.1	48
21	Regulating Inflammatory Cytokines in the Diabetic Heart. , 2019, , 427-436.		0
22	Epitope Mapping of SERCA2a Identifies an Antigenic Determinant That Induces Mainly Atrial Myocarditis in A/J Mice. <i>Journal of Immunology</i> , 2018, 200, 523-537.	0.8	13
23	MiR-133a Mimic Alleviates T1DM-Induced Systolic Dysfunction in Akita: An MRI-Based Study. <i>Frontiers in Physiology</i> , 2018, 9, 1275.	2.8	21
24	Isolation, Characterization and Differentiation of Mouse Cardiac Progenitor Cells. <i>Methods in Molecular Biology</i> , 2018, 1842, 183-191.	0.9	1
25	Targeting miRNA for Therapy of Juvenile and Adult Diabetic Cardiomyopathy. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1056, 47-59.	1.6	15
26	Cardiac-specific Overexpression of MiR-133a Decreases Pyroptosis in Ins2 +/Δ T1DM Mice Heart. <i>FASEB Journal</i> , 2018, 32, 838.12.	0.5	0
27	Cardiac-specific Overexpression of MiR-133a in the Diabetic Heart Mitigates Mitochondrial Abnormality by Targeting TIM17A. <i>FASEB Journal</i> , 2018, 32, 752.5.	0.5	0
28	H ₂ S and homocysteine control a novel feedback regulation of cystathionine beta synthase and cystathionine gamma lyase in cardiomyocytes. <i>Scientific Reports</i> , 2017, 7, 3639.	3.3	53
29	A novel role for miR-133a in centrally mediated activation of the renin-angiotensin system in congestive heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H968-H979.	3.2	17
30	Stem Cell-Derived Exosomes, Autophagy, Extracellular Matrix Turnover, and miRNAs in Cardiac Regeneration during Stem Cell Therapy. <i>Stem Cell Reviews and Reports</i> , 2017, 13, 79-91.	5.6	56
31	Diabetic Cardiomyopathy: An Immunometabolic Perspective. <i>Frontiers in Endocrinology</i> , 2017, 8, 72.	3.5	60
32	Cardiac transcriptome profiling of diabetic Akita mice using microarray and next generation sequencing. <i>PLoS ONE</i> , 2017, 12, e0182828.	2.5	40
33	Ablation of Matrix Metalloproteinase-9 Prevents Cardiomyocytes Contractile Dysfunction in Diabetics. <i>Frontiers in Physiology</i> , 2016, 7, 93.	2.8	19
34	Emerging role of hydrogen sulfide-microRNA crosstalk in cardiovascular diseases. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H802-H812.	3.2	35
35	Lack of miR-133a Decreases Contractility of Diabetic Hearts: A Role for Novel Cross Talk Between Tyrosine Aminotransferase and Tyrosine Hydroxylase. <i>Diabetes</i> , 2016, 65, 3075-3090.	0.6	47
36	The effect of exercise in some sport branches on urinary second messenger cyclic nucleotide levels. <i>Cogent Medicine</i> , 2016, 3, 1125411.	0.7	0

#	ARTICLE	IF	CITATIONS
37	Exercise ameliorates high fat diet induced cardiac dysfunction by increasing interleukin 10. <i>Frontiers in Physiology</i> , 2015, 6, 124.	2.8	44
38	Hydrogen sulfide mitigates homocysteine-mediated pathological remodeling by inducing miR-133a in cardiomyocytes. <i>Molecular and Cellular Biochemistry</i> , 2015, 404, 241-250.	3.1	29
39	MiR-133a Mitigates Mitophagy in Ins2 +/Δ Diabetic Heart. <i>FASEB Journal</i> , 2015, 29, 1040.1.	0.5	0
40	Harnessing fetal and adult genetic reprogramming for therapy of heart disease. <i>Journal of Nature and Science</i> , 2015, 1, .	1.1	11
41	Induction of autophagy markers is associated with attenuation of miR-133a in diabetic heart failure patients undergoing mechanical unloading. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 683-96.	0.0	39
42	Is Mir-133a a Promising Therapeutic Target for Heart Failure?. <i>Journal of Diabetes & Metabolism</i> , 2014, 05, .	0.2	1
43	Attenuated dopaminergic tone in the paraventricular nucleus contributing to sympathoexcitation in rats with Type 2 diabetes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 306, R138-R148.	1.8	15
44	Differential Expression of Dicer, miRNAs, and Inflammatory Markers in Diabetic Ins2+/Δ Akita Hearts. <i>Cell Biochemistry and Biophysics</i> , 2014, 68, 25-35.	1.8	83
45	MicroRNomics of Diabetic Cardiomyopathy. , 2014, , 179-187.		2
46	Generating Double Knockout Mice to Model Genetic Intervention for Diabetic Cardiomyopathy in Humans. <i>Methods in Molecular Biology</i> , 2014, 1194, 385-400.	0.9	10
47	Cardiac matrix: A clue for future therapy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 2271-2276.	3.8	49
48	Predictors and prevention of diabetic cardiomyopathy. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2013, 6, 151.	2.4	77
49	Cardiac Stem Cell Niche, MMP9, and Culture and Differentiation of Embryonic Stem Cells. <i>Methods in Molecular Biology</i> , 2013, 1035, 153-163.	0.9	11
50	Mitochondrial division inhibitor (Mdivi-1) ameliorates post myocardial infarction via stimulating stem cell by elevating level of MiR-499 in diabetes. <i>FASEB Journal</i> , 2013, 27, 1151.1.	0.5	0
51	Ablation of MMP9 ameliorates epigenetic modifications and mitigates diabetic cardiomyopathy. <i>FASEB Journal</i> , 2013, 27, 1129.3.	0.5	0
52	Increased endogenous H ₂ S generation by CBS, CSE, and 3MST gene therapy improves ex vivo renovascular relaxation in hyperhomocysteinemia. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 303, C41-C51.	4.6	102
53	MicroRNA-133a regulates DNA methylation in diabetic cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 2012, 425, 668-672.	2.1	64
54	Hydrogen Sulfide Mitigates Cardiac Remodeling During Myocardial Infarction via Improvement of Angiogenesis. <i>International Journal of Biological Sciences</i> , 2012, 8, 430-441.	6.4	92

#	ARTICLE	IF	CITATIONS
55	Ablation of MMP9 induces survival and differentiation of cardiac stem cells into cardiomyocytes in the heart of diabetics: a role of extracellular matrix. Canadian Journal of Physiology and Pharmacology, 2012, 90, 353-360.	1.4	48
56	Role Of MMP9 In Cardiac Stem Cell Differentiation And Autophagy. FASEB Journal, 2012, 26, .	0.5	0
57	Epigenetic Reprogramming of Mitochondrial Dysfunction in hyperhomocysteinemia. FASEB Journal, 2012, 26, 701.17.	0.5	0
58	Exercise Mitigates Beta α 2 Adrenergic Receptor Dysfunction By Decreasing Homocysteine In Diabetes. FASEB Journal, 2012, 26, 1076.2.	0.5	0
59	MiR α 133 As An Epigenetic Regulator Of Diabetic Heart Failure. FASEB Journal, 2012, 26, 1057.22.	0.5	1
60	Chronic hyperhomocysteinemia causes vascular remodelling by instigating vein phenotype in artery. Archives of Physiology and Biochemistry, 2011, 117, 270-282.	2.1	8
61	Synergy of microRNA and Stem Cell: A Novel Therapeutic Approach for Diabetes Mellitus and Cardiovascular Diseases. Current Diabetes Reviews, 2011, 7, 367-376.	1.3	33
62	Exercise ameliorates diabetic cardiomyopathy by inducing beta2 α adrenergic receptors and miR α 133a, and attenuating MMP α 9. FASEB Journal, 2011, 25, 1032.4.	0.5	3
63	Exercise mitigates homocysteine - β 2-adrenergic receptor interactions to ameliorate contractile dysfunction in diabetes. International Journal of Physiology, Pathophysiology and Pharmacology, 2011, 3, 97-106.	0.8	13
64	Homocysteine to Hydrogen Sulfide or Hypertension. Cell Biochemistry and Biophysics, 2010, 57, 49-58.	1.8	148
65	MMP-9 Gene Ablation and TIMP-4 Mitigate PAR-1-Mediated Cardiomyocyte Dysfunction: A Plausible Role of Dicer and miRNA. Cell Biochemistry and Biophysics, 2010, 57, 67-76.	1.8	39
66	Synergism in hyperhomocysteinemia and diabetes: role of PPAR gamma and tempol. Cardiovascular Diabetology, 2010, 9, 49.	6.8	58
67	Stem cells as a therapeutic target for diabetes. Frontiers in Bioscience - Landmark, 2010, 15, 461.	3.0	42
68	MMP-2/TIMP-2/TIMP-4 versus MMP-9/TIMP-3 in transition from compensatory hypertrophy and angiogenesis to decompensatory heart failure [*] . Archives of Physiology and Biochemistry, 2010, 116, 63-72.	2.1	66
69	H ₂ S ameliorates oxidative and proteolytic stresses and protects the heart against adverse remodeling in chronic heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H451-H456.	3.2	91
70	Attenuation of beta2-adrenergic receptors and homocysteine metabolic enzymes cause diabetic cardiomyopathy. Biochemical and Biophysical Research Communications, 2010, 401, 175-181.	2.1	31
71	Blood Flow Regulates Vasculature by Maintaining Collagen/elastin and MMP/TIMP ratio. FASEB Journal, 2010, 24, 790.3.	0.5	0
72	Role of dicer in diabetic cardiomyopathy through dysregulation of MMP α 9 and TIMP α 4. FASEB Journal, 2010, 24, 978.19.	0.5	0

#	ARTICLE	IF	CITATIONS
73	Folic acid mitigated homocysteine-mediated decrease in bone blood flow and bone remodeling. FASEB Journal, 2010, 24, 630.7.	0.5	0
74	Tetrahydrocurcumin ameliorates mtMMP-9 mediated mitophagy and mitochondria remodeling in Stroke. FASEB Journal, 2010, 24, 604.4.	0.5	0
75	Functional heterogeneity in vascular remodeling (MMP-9 ^{-/-} and PAR-1 ^{-/+}) in hyperhomocysteinemic (CBS ^{+/+}) and diabetic (Akita, Ins2 ^{+/+}) mice.. FASEB Journal, 2010, 24, 599.6.	0.5	0
76	Restoration of contractility in hyperhomocysteinemia by cardiac-specific deletion of NMDA-R1. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H887-H892.	3.2	35
77	Nitrotyrosinylation, remodeling and endothelial myocyte uncoupling in iNOS, cystathionine beta synthase (CBS) knockouts and iNOS/CBS double knockout mice. Journal of Cellular Biochemistry, 2009, 106, 119-126.	2.6	26
78	MicroRNAs Are Involved in Homocysteine-Induced Cardiac Remodeling. Cell Biochemistry and Biophysics, 2009, 55, 153-162.	1.8	74
79	MicroRNAs as a therapeutic target for cardiovascular diseases. Journal of Cellular and Molecular Medicine, 2009, 13, 778-789.	3.6	137
80	Cerebroprotective role of Tetrahydro Curcumin in hyperhomocysteinemic ischemic mice by regulating NF- κ B. FASEB Journal, 2009, 23, 614.7.	0.5	1
81	Role of MicroRNAs in homocysteine induced oxidative stress. FASEB Journal, 2009, 23, 1038.9.	0.5	0
82	Homocysteine, hydrogen sulfide (H ₂ S) and NMDA-receptor in heart failure. Indian Journal of Biochemistry and Biophysics, 2009, 46, 441-6.	0.0	15
83	Homocysteine decreases blood flow to the brain due to vascular resistance in carotid artery. Neurochemistry International, 2008, 53, 214-219.	3.8	40
84	Assessing the putative roles of X-autosome and X-Y interactions in hybrid male sterility of the <i>Drosophila bipectinata</i> species complex. Genome, 2007, 50, 653-659.	2.0	11
85	Genetic interactions underlying hybrid male sterility in the <i>Drosophila bipectinata</i> species complex. Genes and Genetic Systems, 2006, 81, 193-200.	0.7	10
86	<i>Drosophila bipectinata</i> species complex: study of phylogenetic relationship among four members through the analysis of morphology of testes and seminal vesicles. Journal of Zoological Systematics and Evolutionary Research, 2006, 44, 175-179.	1.4	10
87	Unique phenotypes and variation in the sex comb patterns and their evolutionary implications in the <i>Drosophila bipectinata</i> species complex (Diptera: Drosophilidae). European Journal of Entomology, 2006, 103, 805-815.	1.2	7
88	Genetic basis of hybrid male sterility among three closely related species of <i>Drosophila</i> . Indian Journal of Experimental Biology, 2005, 43, 455-61.	0.0	0