Saumya Das

List of Publications by Year in descending order

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121 papers	14,723 citations	53751 45 h-index	20343 116 g-index
127 all docs	127 docs citations	127 times ranked	21867 citing authors

#	Article	IF	Citations
1	ADAR2 increases in exercised heart and protects against myocardial infarction and doxorubicin-induced cardiotoxicity. Molecular Therapy, 2022, 30, 400-414.	3.7	36
2	Epithelial X-Box Binding Protein 1 Coordinates Tumor Protein p53-Driven DNA Damage Responses and Suppression of Intestinal Carcinogenesis. Gastroenterology, 2022, 162, 223-237.e11.	0.6	15
3	TRACE-seq: A transgenic system for unbiased and non-invasive transcriptome profiling of living cells. IScience, 2022, 25, 103806.	1.9	2
4	Programmable siRNA pro-drugs that activate RNAi activity in response to specific cellular RNA biomarkers. Molecular Therapy - Nucleic Acids, 2022, 27, 797-809.	2.3	9
5	lncExACT1 and DCHS2 Regulate Physiological and Pathological Cardiac Growth. Circulation, 2022, 145, 1218-1233.	1.6	43
6	A Novel Tissue Atlas and Online Tool for the Interrogation of Small RNA Expression in Human Tissues and Biofluids. Frontiers in Cell and Developmental Biology, 2022, 10, 804164.	1.8	11
7	Non-coding RNAs in cardiac remodeling: diversity in composition and function. Current Opinion in Physiology, 2022, 26, 100534.	0.9	2
8	Making a sPLAsh: The expanding repertoire of EV signaling. Cell Metabolism, 2022, 34, 508-510.	7.2	1
9	Distinct Stressâ€Đependent Signatures of Cellular and Extracellular tRNAâ€Đerived Small RNAs. Advanced Science, 2022, 9, e2200829.	5.6	19
10	Extracellular Vesicles and Their Emerging Roles as Cellular Messengers in Endocrinology: An Endocrine Society Scientific Statement. Endocrine Reviews, 2022, 43, 441-468.	8.9	40
11	Sex-Specific Differences in Ventricular Remodeling and Response After Cardiac Resynchronization Therapy. American Journal of Cardiology, 2022, , .	0.7	1
12	Targeting miR-30d reverses pathological cardiac hypertrophy. EBioMedicine, 2022, 81, 104108.	2.7	15
13	A nanoparticle probe for the imaging of autophagic flux in live mice via magnetic resonance and near-infrared fluorescence. Nature Biomedical Engineering, 2022, 6, 1045-1056.	11.6	10
14	Mir-30d Regulates Cardiac Remodeling by Intracellular and Paracrine Signaling. Circulation Research, 2021, 128, e1-e23.	2.0	81
15	Gaining Efficiency in Clinical Trials With Cardiac Biomarkers. Journal of the American College of Cardiology, 2021, 77, 1922-1933.	1.2	7
16	Combination Biomarkers for Risk Stratification in Patients with Chronic Heart Failure Biomarkers Prognostication in HF. Journal of Cardiac Failure, 2021, 27, 1321-1327.	0.7	7
17	Accelerated in Vivo Cardiac Diffusion-Tensor MRI Using Residual Deep Learningâ€“based Denoising in Participants with Obesity. Radiology: Cardiothoracic Imaging, 2021, 3, e200580.	0.9	10
18	Virtual multidisciplinary care for heart failure patients with cardiac resynchronization therapy devices during the Coronavirus Disease 2019 pandemic. IJC Heart and Vasculature, 2021, 34, 100811.	0.6	9

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19	Long Noncoding RNA Cardiac Physiological Hypertrophyâ€“Associated Regulator Induces Cardiac Physiological Hypertrophy and Promotes Functional Recovery After Myocardial Ischemia-Reperfusion Injury. Circulation, 2021, 144, 303-317.	1.6	67
20	SnRNA sequencing defines signaling by RBC-derived extracellular vesicles in the murine heart. Life Science Alliance, 2021, 4, e202101048.	1.3	9
21	Left ventricular wall thickness assessed by cardiac computed tomography and cardiac resynchronization therapy outcomes. Europace, 2020, 22, 401-411.	0.7	6
22	Utility of Computed Tomography to Predict Ventricular Arrhythmias in Patients With Nonischemic Cardiomyopathy Receiving Cardiac Resynchronization Therapy. American Journal of Cardiology, 2020, 125, 607-612.	0.7	2
23	Circulating miRNAs and Risk of SuddenÂDeath in Patients With CoronaryÂHeartÂDisease. JACC: Clinical Electrophysiology, 2020, 6, 70-79.	1.3	21
24	Possible Susceptibility Genes for Intervention against Chemotherapy-Induced Cardiotoxicity. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-30.	1.9	13
25	Characterization and oncolytic virus targeting of FAP-expressing tumor-associated pericytes in glioblastoma. Acta Neuropathologica Communications, 2020, 8, 221.	2.4	26
26	CITED4 Protects Against Adverse Remodeling in Response to Physiological and Pathological Stress. Circulation Research, 2020, 127, 631-646.	2.0	29
27	Profiling Extracellular Long RNA Transcriptome in Human Plasma and Extracellular Vesicles for Biomarker Discovery. IScience, 2020, 23, 101182.	1.9	16
28	Neuronal activity triggers uptake of hematopoietic extracellular vesicles in vivo. PLoS Biology, 2020, 18, e3000643.	2.6	25
29	Reply. JACC: Clinical Electrophysiology, 2020, 6, 244-245.	1.3	0
30	Noncoding RNAs in Cardiovascular Disease: Current Knowledge, Tools and Technologies for Investigation, and Future Directions: A Scientific Statement From the American Heart Association. Circulation Genomic and Precision Medicine, 2020, 13, e000062.	1.6	61
31	Extracellular vesicular <scp>microRNAs</scp> as potential biomarker for early detection of doxorubicinâ€induced cardiotoxicity. Journal of Veterinary Internal Medicine, 2020, 34, 1260-1271.	0.6	20
32	Y RNAs: Biogenesis, Function and Implications for the Cardiovascular System. Advances in Experimental Medicine and Biology, 2020, 1229, 327-342.	0.8	16
33	Circulating MicroRNAs. Journal of the American College of Cardiology, 2019, 73, 1314-1316.	1.2	7
34	exRNA Atlas Analysis Reveals Distinct Extracellular RNA Cargo Types and Their Carriers Present across Human Biofluids. Cell, 2019, 177, 463-477.e15.	13.5	228
35	The Extracellular RNA Communication Consortium: Establishing Foundational Knowledge and Technologies for Extracellular RNA Research. Cell, 2019, 177, 231-242.	13.5	152
36	Small RNA Sequencing across Diverse Biofluids Identifies Optimal Methods for exRNA Isolation. Cell, 2019, 177, 446-462.e16.	13.5	214

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37	Cathelicidin-related antimicrobial peptide protects against myocardial ischemia/reperfusion injury. BMC Medicine, 2019, 17, 42.	2.3	56
38	Comparison of Reproducibility, Accuracy, Sensitivity, and Specificity of miRNA Quantification Platforms. Cell Reports, 2019, 29, 4212-4222.e5.	2.9	64
39	Comparison of treatment options for depression in heart failure: A network meta-analysis. Journal of Psychiatric Research, 2019, 108, 7-23.	1.5	33
40	Extracellular RNA Isolation from Cell Culture Supernatant. Methods in Molecular Biology, 2018, 1740, 23-34.	0.4	3
41	Isolation of Extracellular RNA from Serum/Plasma. Methods in Molecular Biology, 2018, 1740, 43-57.	0.4	11
42	MicroRNAs Associated With Reverse Left Ventricular Remodeling in Humans Identify Pathways of Heart Failure Progression. Circulation: Heart Failure, 2018, 11, e004278.	1.6	32
43	Unraveling the CNOT: A new player in the autophagyâ€“cell death nexus. Science Signaling, 2018, 11, .	1.6	3
44	Improving sudden cardiac death risk stratification by evaluating electrocardiographic measures of global electrical heterogeneity and clinical outcomes among patients with implantable cardioverter-defibrillators: rationale and design for a retrospective, multicenter, cohort study. Journal of Interventional Cardiac Electrophysiology, 2018, 52, 77-89.	0.6	4
45	Advances, challenges, and opportunities in extracellular RNA biology: insights from the NIH exRNA Strategic Workshop. JCI Insight, 2018, 3, .	2.3	41
46	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. Journal of Extracellular Vesicles, 2018, 7, 1535750.	5.5	6,961
47	Circular RNAs as Potential Theranostics in the Cardiovascular System. Molecular Therapy - Nucleic Acids, 2018, 13, 407-418.	2.3	50
48	Plasma Circulating Extracellular RNAs in Left Ventricular Remodeling Post-Myocardial Infarction. EBioMedicine, 2018, 32, 172-181.	2.7	52
49	Evaluation of commercially available small RNASeq library preparation kits using low input RNA. BMC Genomics, 2018, 19, 331.	1.2	70
50	Associations of Circulating Extracellular RNAs With Myocardial Remodeling and Heart Failure. JAMA Cardiology, 2018, 3, 871.	3.0	33
51	ST segment elevations in a patient with neutropenic fever. European Journal of Internal Medicine, 2017, 40, e7-e8.	1.0	2
52	Ideal Cardiovascular Health, Cardiovascular Remodeling, and Heart Failure in Blacks. Circulation: Heart Failure, 2017, 10, .	1.6	54
53	Obstacles and opportunities in the functional analysis of extracellular vesicle RNA â€“ an ISEV position paper. Journal of Extracellular Vesicles, 2017, 6, 1286095.	5.5	561
54	DDiT4L promotes autophagy and inhibits pathological cardiac hypertrophy in response to stress. Science Signaling, 2017, 10, .	1.6	39

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55	Extracellular RNAs Are Associated With Insulin Resistance and Metabolic Phenotypes. Diabetes Care, 2017, 40, 546-553.	4.3	73
56	Exercise-induced circulating extracellular vesicles protect against cardiac ischemiaâ€“reperfusion injury. Basic Research in Cardiology, 2017, 112, 38.	2.5	135
57	Development of dilated cardiomyopathy and impaired calcium homeostasis with cardiac-specific deletion of ESRRÎ². American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H662-H671.	1.5	20
58	Inhibition of serum and glucocorticoid regulated kinase-1 as novel therapy for cardiac arrhythmia disorders. Scientific Reports, 2017, 7, 346.	1.6	22
59	Association of Multiorgan Computed Tomographic Phenomap With Adverse Cardiovascular Health Outcomes. JAMA Cardiology, 2017, 2, 1236.	3.0	19
60	miRNA Signatures of Insulin Resistance in Obesity. Obesity, 2017, 25, 1734-1744.	1.5	110
61	Small RNA-seq during acute maximal exercise reveal RNAs involved in vascular inflammation and cardiometabolic health: brief report. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H1162-H1167.	1.5	34
62	PDK4 Inhibits Cardiac Pyruvate Oxidation in Late Pregnancy. Circulation Research, 2017, 121, 1370-1378.	2.0	33
63	Circulating miR-30d Predicts Survival in Patients with Acute Heart Failure. Cellular Physiology and Biochemistry, 2017, 41, 865-874.	1.1	48
64	miR-31a-5p promotes postnatal cardiomyocyte proliferation by targeting RhoBTB1. Experimental and Molecular Medicine, 2017, 49, e386-e386.	3.2	31
65	Extracellular Vesicles in Cardiovascular Theranostics. Theranostics, 2017, 7, 4168-4182.	4.6	108
66	High Throughput Sequencing of Extracellular RNA from Human Plasma. PLoS ONE, 2017, 12, e0164644.	1.1	63
67	Science Signaling Podcast for 28 February 2017: Balancing autophagy in the stressed heart. Science Signaling, 2017, 10, .	1.6	0
68	Diurnal Variations of Circulating Extracellular Vesicles Measured by Nano Flow Cytometry. PLoS ONE, 2016, 11, e0144678.	1.1	58
69	Crucial Role of miR-433 in Regulating Cardiac Fibrosis. Theranostics, 2016, 6, 2068-2083.	4.6	134
70	Heme oxygenase and carbon monoxide protect from muscle dystrophy. Skeletal Muscle, 2016, 6, 41.	1.9	18
71	Response to Letter Regarding Article, â€œCirculating MicroRNA-30d Is Associated With Response to Cardiac Resynchronization Therapy in Heart Failure and Regulates Cardiomyocyte Apoptosis: A Translational Pilot Studyâ€• Circulation, 2016, 133, e389-e390.	1.6	1
72	Hepatic steatosis is associated with cardiometabolic risk in a rural Indian population: A prospective cohort study. International Journal of Cardiology, 2016, 225, 161-166.	0.8	11

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73	Transitions in Metabolic Risk and Longâ€Term Cardiovascular Health: Coronary Artery Risk Development in Young Adults (CARDIA) Study. Journal of the American Heart Association, 2016, 5, .	1.6	33
74	Diverse human extracellular RNAs are widely detected in human plasma. Nature Communications, 2016, 7, 11106.	5.8	170
75	Association of Fitness in Young Adulthood With Survival and Cardiovascular Risk. JAMA Internal Medicine, 2016, 176, 87.	2.6	115
76	Developmental SHP2 dysfunction underlies cardiac hypertrophy in Noonan syndrome with multiple lentigines. Journal of Clinical Investigation, 2016, 126, 2989-3005.	3.9	26
77	Circulating miR-21, miR-378, and miR-940 increase in response to an acute exhaustive exercise in chronic heart failure patients. Oncotarget, 2016, 7, 12414-12425.	0.8	57
78	Meeting report: discussions and preliminary findings on extracellular RNA measurement methods from laboratories in the NIH Extracellular RNA Communication Consortium. Journal of Extracellular Vesicles, 2015, 4, 26533.	5.5	51
79	Extracellular RNAs: development as biomarkers of human disease. Journal of Extracellular Vesicles, 2015, 4, 27495.	5.5	72
80	Potential functional applications of extracellular vesicles: a report by the NIH Common Fund Extracellular RNA Communication Consortium. Journal of Extracellular Vesicles, 2015, 4, 27575.	5.5	28
81	Wide Complex Tachycardia Recorded With a Smartphone Cardiac Rhythm Monitor. JAMA Internal Medicine, 2015, 175, 437.	2.6	18
82	Circulating MicroRNA-30d Is Associated With Response to Cardiac Resynchronization Therapy in Heart Failure and Regulates Cardiomyocyte Apoptosis. Circulation, 2015, 131, 2202-2216.	1.6	137
83	Traditional Chinese Medication Qiliqiangxin attenuates cardiac remodeling after acute myocardial infarction in mice. Scientific Reports, 2015, 5, 8374.	1.6	64
84	A 54-Year-Old Woman With a Single Coronary Artery and Watershed Ischemia Treated With Nitrates. JACC: Cardiovascular Interventions, 2015, 8, e91-e94.	1.1	1
85	A snapshot of genetic and epigenetic basis of arrhythmia and heart failure. Frontiers in Genetics, 2015, 6, 74.	1.1	3
86	Your Father and Grandfatherâ€™s Atrial Fibrillation: A Review of the Genetics of the Most Common Pathologic Cardiac Dysrhythmia. Current Genomics, 2015, 16, 75-81.	0.7	7
87	MicroRNA Therapeutics: the Next Magic Bullet?. Mini-Reviews in Medicinal Chemistry, 2015, 15, 467-474.	1.1	194
88	Overexpression of KCNN3 results in sudden cardiac death. Cardiovascular Research, 2014, 101, 326-334.	1.8	54
89	Extracellular Vesicles in Heart Disease: Excitement for the Future ?. Exosomes and Microvesicles, 2014, 2, 1.	1.9	38
90	MicroRNAs in Heart Failure. Circulation: Heart Failure, 2014, 7, 203-214.	1.6	96

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91	Treatment of Obstructive Sleep Apnea Reduces the Risk of Atrial Fibrillation Recurrence After Catheter Ablation. Journal of the American College of Cardiology, 2013, 62, 300-305.	1.2	365
92	Quantification of Cardiomyocyte Hypertrophy by Cardiac Magnetic Resonance. Circulation, 2013, 128, 1225-1233.	1.6	105
93	Isolation, Culture, and Functional Characterization of Adult Mouse Cardiomyoctyes. Journal of Visualized Experiments, 2013, , e50289.	0.2	27
94	Pathological Role of Serum- and Glucocorticoid-Regulated Kinase 1 in Adverse Ventricular Remodeling. Circulation, 2012, 126, 2208-2219.	1.6	91
95	Multidisciplinary care of patients receiving cardiac resynchronization therapy is associated with improved clinical outcomes. European Heart Journal, 2012, 33, 2181-2188.	1.0	86
96	Usefulness of Hemoglobin A1c to Predict Outcome After Cardiac Resynchronization Therapy in Patients With Diabetes Mellitus and Heart Failure. American Journal of Cardiology, 2012, 110, 683-688.	0.7	16
97	A Novel Transgenic Mouse Model of Cardiac Hypertrophy and Atrial Fibrillation. Journal of Atrial Fibrillation, 2012, 4, 415.	0.5	17
98	Ionâ€Selective Optodes Measure Extracellular Potassium Flux in Excitable Cells. Macromolecular Rapid Communications, 2010, 31, 217-221.	2.0	18
99	Impact of Tricuspid Regurgitation and Prior Coronary Bypass Surgery on the Geometry of the Coronary Sinus: A Rotational Coronary Angiography Study. Journal of Cardiovascular Electrophysiology, 2010, 21, 436-440.	0.8	5
100	Abnormal myocardial insulin signalling in type 2 diabetes and left-ventricular dysfunction. European Heart Journal, 2010, 31, 100-111.	1.0	133
101	Pseudo-atrial fibrillation due to non-reentrant AV nodal tachycardia. Europace, 2010, 12, 36-36.	0.7	5
102	Impact of segmental left ventricle lead position on cardiac resynchronization therapy outcomes. Heart Rhythm, 2010, 7, 639-644.	0.3	81
103	Visualizing sodium dynamics in isolated cardiomyocytes using fluorescent nanosensors. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16145-16150.	3.3	67
104	Ventricular Arrhythmia Following Alcohol Septal Ablation for Obstructive Hypertrophic Cardiomyopathy. American Journal of Cardiology, 2009, 104, 128-132.	0.7	89
105	Multiple ICD Discharges Associated with Lead Fracture Without Triggering of High Impedance Alert. PACE - Pacing and Clinical Electrophysiology, 2009, 32, 543-546.	0.5	10
106	Mutation in the S3 segment of KCNQ1 results in familial lone atrial fibrillation. Heart Rhythm, 2009, 6, 1146-1153.	0.3	104
107	Catheter Ablation of Peri-AV Nodal Atrial Tachycardia from the Noncoronary Cusp of the Aortic Valve. Journal of Cardiovascular Electrophysiology, 2008, 19, 231-237.	0.8	60
108	Timing of delayed perforation with the St. Jude Riata lead: A single-center experience and a review of the literature. Heart Rhythm, 2008, 5, 1667-1672.	0.3	25

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109	Optical nanosensors for intracellular sodium analysis. , 2008, , .		1
110	Delayed Heart Block After Temporary Balloon Occlusion of a Secundum Atrial Septal Defect. Circulation: Arrhythmia and Electrophysiology, 2008, 1, 405-406.	2.1	0
111	Neuregulin Effect on Quantal Content Dissociated From Effect on Miniature Endplate Potential Amplitude. Journal of Neurophysiology, 2006, 96, 671-676.	0.9	2
112	Aortic Diseases. , 2006, , 116-120.		0
113	Trust, learning, and vaccination: a case study of a North Indian village. Social Science and Medicine, 2003, 57, 97-112.	1.8	30
114	Characterization and Comparison of the NR3A Subunit of the NMDA Receptor in Recombinant Systems and Primary Cortical Neurons. Journal of Neurophysiology, 2002, 87, 2052-2063.	0.9	174
115	Effect of cytokines, dexamethazone and the A/T-signal peptide polymorphism on the expression of alpha1-antichymotrypsin in astrocytes: significance for Alzheimer's disease. Neurochemistry International, 2001, 39, 361-370.	1.9	27
116	Activation of Utrophin Promoter by Heregulin via theets-related Transcription Factor Complex GA-binding Protein Î±/Î². Molecular Biology of the Cell, 1999, 10, 2075-2086.	0.9	104
117	Increased NMDA current and spine density in mice lacking the NMDA receptor subunit NR3A. Nature, 1998, 393, 377-381.	13.7	542
118	Enhanced neuronal death from focal ischemia in AMPA-receptor transgenic mice. Molecular Brain Research, 1997, 52, 235-241.	2.5	32
119	Expression of the Alzheimer amyloid-promoting factor antichymotrypsin is induced in human astrocytes by IL-1. Neuron, 1995, 14, 447-456.	3.8	171
120	Amyloid-associated proteins Î±1-antichymotrypsin and apolipoprotein E promote assembly of Alzheimer Î²-protein into filaments. Nature, 1994, 372, 92-94.	13.7	909
121	The Involvement of Proteases, Protease Inhibitors, and an Acute Phase Response in Alzheimer's Disease. Annals of the New York Academy of Sciences, 1992, 674, 161-173.	1.8	29