

Susmita Sahoo

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

8,420
citations

186265

28
h-index

345221

36
g-index

42
all docs

42
docs citations

42
times ranked

12946
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimal experimental requirements for definition of extracellular vesicles and their functions: a position statement from the International Society for Extracellular Vesicles. <i>Journal of Extracellular Vesicles</i> , 2014, 3, 26913.	12.2	2,110
2	EV-TRACK: transparent reporting and centralizing knowledge in extracellular vesicle research. <i>Nature Methods</i> , 2017, 14, 228-232.	19.0	886
3	Methodological Guidelines to Study Extracellular Vesicles. <i>Circulation Research</i> , 2017, 120, 1632-1648.	4.5	728
4	Techniques used for the isolation and characterization of extracellular vesicles: results of a worldwide survey. <i>Journal of Extracellular Vesicles</i> , 2016, 5, 32945.	12.2	703
5	Exosomes From Human CD34 ⁺ Stem Cells Mediate Their Proangiogenic Paracrine Activity. <i>Circulation Research</i> , 2011, 109, 724-728.	4.5	550
6	FTO-Dependent N ⁶ -Methyladenosine Regulates Cardiac Function During Remodeling and Repair. <i>Circulation</i> , 2019, 139, 518-532.	1.6	369
7	A novel community driven software for functional enrichment analysis of extracellular vesicles data. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1321455.	12.2	314
8	Extracellular vesicles in diagnostics and therapy of the ischaemic heart: Position Paper from the Working Group on Cellular Biology of the Heart of the European Society of Cardiology. <i>Cardiovascular Research</i> , 2018, 114, 19-34.	3.8	284
9	Native and bioengineered extracellular vesicles for cardiovascular therapeutics. <i>Nature Reviews Cardiology</i> , 2020, 17, 685-697.	13.7	228
10	Angiogenic Mechanisms of Human CD34 ⁺ Stem Cell Exosomes in the Repair of Ischemic Hindlimb. <i>Circulation Research</i> , 2017, 120, 1466-1476.	4.5	226
11	Exosomes and exosomal miRNAs in cardiovascular protection and repair. <i>Vascular Pharmacology</i> , 2015, 71, 24-30.	2.1	211
12	Updating the MISEV minimal requirements for extracellular vesicle studies: building bridges to reproducibility. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1396823.	12.2	185
13	Biological membranes in EV biogenesis, stability, uptake, and cargo transfer: an ISEV position paper arising from the ISEV membranes and EVs workshop. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1684862.	12.2	177
14	Sonic Hedgehog ⁺ Modified Human CD34 ⁺ Cells Preserve Cardiac Function After Acute Myocardial Infarction. <i>Circulation Research</i> , 2012, 111, 312-321.	4.5	170
15	Updating MISEV: Evolving the minimal requirements for studies of extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12182.	12.2	147
16	Experimental, Systems, and Computational Approaches to Understanding the MicroRNA-Mediated Reparative Potential of Cardiac Progenitor Cell ⁺ Derived Exosomes From Pediatric Patients. <i>Circulation Research</i> , 2017, 120, 701-712.	4.5	141
17	Exosomal microRNA-21-5p Mediates Mesenchymal Stem Cell Paracrine Effects on Human Cardiac Tissue Contractility. <i>Circulation Research</i> , 2018, 122, 933-944.	4.5	129
18	Therapeutic and Diagnostic Translation of Extracellular Vesicles in Cardiovascular Diseases. <i>Circulation</i> , 2021, 143, 1426-1449.	1.6	116

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19	Exosomes in Myocardial Repair: Advances and Challenges in the Development of Next-Generation Therapeutics. <i>Molecular Therapy</i> , 2018, 26, 1635-1643.	8.2	91
20	Exosomes-Based Gene Therapy for MicroRNA Delivery. <i>Methods in Molecular Biology</i> , 2017, 1521, 139-152.	0.9	86
21	miR-146a Suppresses SUMO1 Expression and Induces Cardiac Dysfunction in Maladaptive Hypertrophy. <i>Circulation Research</i> , 2018, 123, 673-685.	4.5	70
22	Physiologic, Pathologic, and Therapeutic Paracrine Modulation of Cardiac Excitation-Contraction Coupling. <i>Circulation Research</i> , 2018, 122, 167-183.	4.5	59
23	Experimental and Computational Insight Into Human Mesenchymal Stem Cell Paracrine Signaling and Heterocellular Coupling Effects on Cardiac Contractility and Arrhythmogenicity. <i>Circulation Research</i> , 2017, 121, 411-423.	4.5	56
24	Targeted delivery of therapeutic agents to the heart. <i>Nature Reviews Cardiology</i> , 2021, 18, 389-399.	13.7	51
25	Towards mechanisms and standardization in extracellular vesicle and extracellular RNA studies: results of a worldwide survey. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1535745.	12.2	45
26	Methods for the identification and characterization of extracellular vesicles in cardiovascular studies: from exosomes to microvesicles. <i>Cardiovascular Research</i> , 2023, 119, 45-63.	3.8	44
27	Bioinspired artificial exosomes based on lipid nanoparticles carrying let-7b-5p promote angiogenesis in vitro and in vivo. <i>Molecular Therapy</i> , 2021, 29, 2239-2252.	8.2	42
28	A novel acetyltransferase p300 inhibitor ameliorates hypertension-associated cardio-renal fibrosis. <i>Epigenetics</i> , 2017, 12, 1004-1013.	2.7	41
29	Extracellular Vesicles and Their Emerging Roles as Cellular Messengers in Endocrinology: An Endocrine Society Scientific Statement. <i>Endocrine Reviews</i> , 2022, 43, 441-468.	20.1	40
30	Regulation of the Methylation and Expression Levels of the BMP2 Gene by SIN3a as a Novel Therapeutic Mechanism in Pulmonary Arterial Hypertension. <i>Circulation</i> , 2021, 144, 52-73.	1.6	38
31	Pericardial Fluid Exosomes: A New Material to Treat Cardiovascular Disease. <i>Molecular Therapy</i> , 2017, 25, 568-569.	8.2	21
32	Exosomes in Diabetic Cardiomyopathy: The Next-Generation Therapeutic Targets?. <i>Diabetes</i> , 2016, 65, 2829-2831.	0.6	16
33	Analysis of extracellular vesicle miRNA profiles in heart failure. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 7214-7227.	3.6	16
34	EV Cargo Sorting in Therapeutic Development for Cardiovascular Disease. <i>Cells</i> , 2021, 10, 1500.	4.1	16
35	Exosomes Explosion for Cardiac Resuscitation. <i>Journal of the American College of Cardiology</i> , 2015, 66, 612-615.	2.8	11
36	Hydroxylation of N-acetylneuraminic Acid Influences the in vivo Tropism of N-linked Sialic Acid-Binding Adeno-Associated Viruses AAV1, AAV5, and AAV6. <i>Frontiers in Medicine</i> , 2021, 8, 732095.	2.6	3

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37	METTL3-Regulated m6A Epitranscriptome Plasticity in Pathological Angiogenesis. <i>Molecular Therapy</i> , 2020, 28, 2105-2107.	8.2	0
38	Abstract 301: An m6A Demethylase, FTO Mediates Post-transcriptional mRNA Modifications to Regulate Cardiac and Cardiomyocyte Function. <i>Circulation Research</i> , 2018, 123, .	4.5	0
39	Abstract 13932: Lung-targeted Sin3a Gene Therapy as a Promising Strategy to Restore Bmpr2 Expression in Pulmonary Arterial Hypertension. <i>Circulation</i> , 2020, 142, .	1.6	0
40	Launching the <i>Journal of Extracellular Biology</i> (J Ex Bio) – A new journal from the International Society for Extracellular Vesicles (ISEV)., 2022, 1, .		0
41	Abstract 10248: Regulation of the Methylation and Expression Levels of the Bmpr2 Gene by Sin3a as a Novel Therapeutic Mechanism in Pulmonary Arterial Hypertension. <i>Circulation</i> , 2021, 144, .	1.6	0