Susmita Sahoo

List of Publications by Year in descending order

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		186265	345221
41	8,420	28	36
papers	citations	h-index	g-index

42	42	42	12946
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Methods for the identification and characterization of extracellular vesicles in cardiovascular studies: from exosomes to microvesicles. Cardiovascular Research, 2023, 119, 45-63.	3.8	44
2	Launching the Journal of Extracellular Biology (J Ex Bio) â€“ A new journal from the International Society for Extracellular Vesicles (ISEV). , 2022, 1, .		0
3	Extracellular Vesicles and Their Emerging Roles as Cellular Messengers in Endocrinology: An Endocrine Society Scientific Statement. Endocrine Reviews, 2022, 43, 441-468.	20.1	40
4	Targeted delivery of therapeutic agents to the heart. Nature Reviews Cardiology, 2021, 18, 389-399.	13.7	51
5	Therapeutic and Diagnostic Translation of Extracellular Vesicles in Cardiovascular Diseases. Circulation, 2021, 143, 1426-1449.	1.6	116
6	Regulation of the Methylation and Expression Levels of the BMPR2 Gene by SIN3a as a Novel Therapeutic Mechanism in Pulmonary Arterial Hypertension. Circulation, 2021, 144, 52-73.	1.6	38
7	EV Cargo Sorting in Therapeutic Development for Cardiovascular Disease. Cells, 2021, 10, 1500.	4.1	16
8	Bioinspired artificial exosomes based on lipid nanoparticles carrying let-7b-5p promote angiogenesis inÂvitro and inÂvivo. Molecular Therapy, 2021, 29, 2239-2252.	8.2	42
9	Updating MISEV: Evolving the minimal requirements for studies of extracellular vesicles. Journal of Extracellular Vesicles, 2021, 10, e12182.	12.2	147
10	Abstract 10248: Regulation of the Methylation and Expression Levels of the Bmpr2 Gene by Sin3a as a Novel Therapeutic Mechanism in Pulmonary Arterial Hypertension. Circulation, 2021, 144, .	1.6	0
11	Hydroxylation of N-acetylneuraminic Acid Influences the in vivo Tropism of N-linked Sialic Acid-Binding Adeno-Associated Viruses AAV1, AAV5, and AAV6. Frontiers in Medicine, 2021, 8, 732095.	2.6	3
12	METTL3-Regulated m6A Epitranscriptome Plasticity in Pathological Angiogenesis. Molecular Therapy, 2020, 28, 2105-2107.	8.2	0
13	Native and bioengineered extracellular vesicles for cardiovascular therapeutics. Nature Reviews Cardiology, 2020, 17, 685-697.	13.7	228
14	Analysis of extracellular vesicle miRNA profiles in heart failure. Journal of Cellular and Molecular Medicine, 2020, 24, 7214-7227.	3.6	16
15	Abstract 13932: Lung-targeted Sin3a Gene Therapy as a Promising Strategy to Restore Bmpr2 Expression in Pulmonary Arterial Hypertension. Circulation, 2020, 142, .	1.6	0
16	FTO-Dependent N ⁶ -Methyladenosine Regulates Cardiac Function During Remodeling and Repair. Circulation, 2019, 139, 518-532.	1.6	369
17	Biological membranes in EV biogenesis, stability, uptake, and cargo transfer: an ISEV position paper arising from the ISEV membranes and EVs workshop. Journal of Extracellular Vesicles, 2019, 8, 1684862.	12.2	177
18	Exosomal microRNA-21-5p Mediates Mesenchymal Stem Cell Paracrine Effects on Human Cardiac Tissue Contractility. Circulation Research, 2018, 122, 933-944.	4.5	129

#	Article	IF	Citations
19	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. Cardiovascular Research, 2018, 114, 19-34.	3.8	284
20	Physiologic, Pathologic, and Therapeutic Paracrine Modulation of Cardiac Excitation-Contraction Coupling. Circulation Research, 2018, 122, 167-183.	4.5	59
21	Towards mechanisms and standardization in extracellular vesicle and extracellular RNA studies: results of a worldwide survey. Journal of Extracellular Vesicles, 2018, 7, 1535745.	12.2	45
22	Exosomes in Myocardial Repair: Advances and Challenges in the Development of Next-Generation Therapeutics. Molecular Therapy, 2018, 26, 1635-1643.	8.2	91
23	miR-146a Suppresses SUMO1 Expression and Induces Cardiac Dysfunction in Maladaptive Hypertrophy. Circulation Research, 2018, 123, 673-685.	4.5	70
24	Abstract 301: An m6A Demethylase, FTO Mediates Post-transcriptional mRNA Modifications to Regulate Cardiac and Cardiomyocyte Function. Circulation Research, 2018, 123, .	4.5	0
25	Pericardial Fluid Exosomes: AÂNew Material to Treat Cardiovascular Disease. Molecular Therapy, 2017, 25, 568-569.	8.2	21
26	EV-TRACK: transparent reporting and centralizing knowledge in extracellular vesicle research. Nature Methods, 2017, 14, 228-232.	19.0	886
27	Methodological Guidelines to Study Extracellular Vesicles. Circulation Research, 2017, 120, 1632-1648.	4.5	728
28	Exosomes-Based Gene Therapy for MicroRNA Delivery. Methods in Molecular Biology, 2017, 1521, 139-152.	0.9	86
29	Angiogenic Mechanisms of Human CD34 ⁺ Stem Cell Exosomes in the Repair of Ischemic Hindlimb. Circulation Research, 2017, 120, 1466-1476.	4.5	226
30	A novel acetyltransferase p300 inhibitor ameliorates hypertension-associated cardio-renal fibrosis. Epigenetics, 2017, 12, 1004-1013.	2.7	41
31	A novel community driven software for functional enrichment analysis of extracellular vesicles data. Journal of Extracellular Vesicles, 2017, 6, 1321455.	12.2	314
32	Updating the MISEV minimal requirements for extracellular vesicle studies: building bridges to reproducibility. Journal of Extracellular Vesicles, 2017, 6, 1396823.	12.2	185
33	Experimental and Computational Insight Into Human Mesenchymal Stem Cell Paracrine Signaling and Heterocellular Coupling Effects on Cardiac Contractility and Arrhythmogenicity. Circulation Research, 2017, 121, 411-423.	4.5	56
34	Experimental, Systems, and Computational Approaches to Understanding the MicroRNA-Mediated Reparative Potential of Cardiac Progenitor Cellâ€"Derived Exosomes From Pediatric Patients. Circulation Research, 2017, 120, 701-712.	4.5	141
35	Techniques used for the isolation and characterization of extracellular vesicles: results of a worldwide survey. Journal of Extracellular Vesicles, 2016, 5, 32945.	12.2	703
36	Exosomes in Diabetic Cardiomyopathy: The Next-Generation Therapeutic Targets?. Diabetes, 2016, 65, 2829-2831.	0.6	16

#	Article	IF	Citations
37	Exosomes Explosion for Cardiac Resuscitationâ^—. Journal of the American College of Cardiology, 2015, 66, 612-615.	2.8	11
38	Exosomes and exosomal miRNAs in cardiovascular protection and repair. Vascular Pharmacology, 2015, 71, 24-30.	2.1	211
39	Minimal experimental requirements for definition of extracellular vesicles and their functions: a position statement from the International Society for Extracellular Vesicles. Journal of Extracellular Vesicles, 2014, 3, 26913.	12.2	2,110
40	Sonic Hedgehogâ€“Modified Human CD34+ Cells Preserve Cardiac Function After Acute Myocardial Infarction. Circulation Research, 2012, 111, 312-321.	4.5	170
41	Exosomes From Human CD34 ⁺ Stem Cells Mediate Their Proangiogenic Paracrine Activity. Circulation Research, 2011, 109, 724-728.	4.5	550