Carmen C Sucharov

List of Publications by Year
in descending order

58 papers	1,776 citations	236925 25 h-index	276875 41 g-index
59 all docs	59 docs citations	59 times ranked	2445 citing authors

#	Article	IF	Citations
1	miRNA expression in the failing human heart: Functional correlates. Journal of Molecular and Cellular Cardiology, 2008, 45, 185-192.	1.9	216
2	Optimization of phenol-chloroform RNA extraction. MethodsX, 2018, 5, 599-608.	1.6	118
3	Beta-adrenergic adaptation in paediatric idiopathic dilated cardiomyopathy. European Heart Journal, 2014, 35, 33-41.	2.2	92
4	A Î²1-adrenergic receptor CaM kinase II-dependent pathway mediates cardiac myocyte fetal gene induction. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H1299-H1308.	3.2	77
5	Yin Yang 1 Is Increased in Human Heart Failure and Represses the Activity of the Human Î±-Myosin Heavy Chain Promoter. Journal of Biological Chemistry, 2003, 278, 31233-31239.	3.4	76
6	Elamipretide Improves Mitochondrial Function in the Failing Human Heart. JACC Basic To Translational Science, 2019, 4, 147-157.	4.1	72
7	Signal-Dependent Recruitment of BRD4 to Cardiomyocyte Super-Enhancers Is Suppressed by a MicroRNA. Cell Reports, 2016, 16, 1366-1378.	6.4	70
8	Circulating microRNA as a biomarker for recovery in pediatric dilated cardiomyopathy. Journal of Heart and Lung Transplantation, 2015, 34, 724-733.	0.6	65
9	YY1 Protects Cardiac Myocytes from Pathologic Hypertrophy by Interacting with HDAC5. Molecular Biology of the Cell, 2008, 19, 4141-4153.	2.1	59
10	A novel genetic marker of decreased inflammation and improved survival after acute myocardial infarction. Basic Research in Cardiology, 2018, 113, 38.	5.9	58
11	Role of MicroRNAs in Cardiovascular Disease: Therapeutic Challenges and Potentials. Journal of Cardiovascular Pharmacology, 2010, 56, 444-453.	1.9	55
12	miRNA expression in pediatric failing human heart. Journal of Molecular and Cellular Cardiology, 2013, 57, 43-46.	1.9	50
13	Pediatric dilated cardiomyopathy hearts display a unique gene expression profile. JCI Insight, 2017, 2, .	5.0	46
14	Shuttling of HDAC5 in H9C2 cells regulates YY1 function through CaMKIV/PKD and PP2A. American Journal of Physiology - Cell Physiology, 2006, 291, C1029-C1037.	4.6	44
15	The Ku Protein Complex Interacts with YY1, Is Up-Regulated in Human Heart Failure, and Represses Î± Myosin Heavy-Chain Gene Expression. Molecular and Cellular Biology, 2004, 24, 8705-8715.	2.3	43
16	Age-Related Differences in Phosphodiesterase Activity and Effects of Chronic Phosphodiesterase Inhibition in Idiopathic Dilated Cardiomyopathy. Circulation: Heart Failure, 2015, 8, 57-63.	3.9	42
17	Myocardial microRNAs associated with reverse remodeling in human heart failure. JCI Insight, 2017, 2, e89169.	5.0	42
18	Dysregulation of cardiolipin biosynthesis in pediatric heart failure. Journal of Molecular and Cellular Cardiology, 2014, 74, 251-259.	1.9	41

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19	Transcatheter aortic valve replacements alter circulating serum factors to mediate myofibroblast deactivation. Science Translational Medicine, 2019, 11, .	12.4	41
20	Micro-RNA Expression in Hypoplastic Left Heart Syndrome. Journal of Cardiac Failure, 2015, 21, 83-88.	1.7	40
21	Exosomes from pediatric dilated cardiomyopathy patients modulate a pathological response in cardiomyocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H818-H826.	3.2	38
22	Phosphodiesterase-5 Is Elevated in Failing Single Ventricle Myocardium and Affects Cardiomyocyte Remodeling In Vitro. Circulation: Heart Failure, 2018, 11, e004571.	3.9	32
23	Î²-Adrenergic Receptor Stimulation and Activation of Protein Kinase A Protect Against Î±1-Adrenergicâ€“Mediated Phosphorylation of Protein Kinase D and Histone Deacetylase 5. Journal of Cardiac Failure, 2011, 17, 592-600.	1.7	31
24	Cardiac Adenylyl Cyclase and Phosphodiesterase Expression Profiles Vary by Age, Disease, and Chronic Phosphodiesterase Inhibitor Treatment. Journal of Cardiac Failure, 2017, 23, 72-80.	1.7	29
25	Fibrosis and Fibrotic Gene Expression in Pediatric and Adult Patients With Idiopathic Dilated Cardiomyopathy. Journal of Cardiac Failure, 2017, 23, 314-324.	1.7	28
26	Î²-adrenergic pathways in human heart failure. Expert Review of Cardiovascular Therapy, 2007, 5, 119-124.	1.5	19
27	A PDE3A Promoter Polymorphism Regulates cAMP-Induced Transcriptional Activity in Failing Human Myocardium. Journal of the American College of Cardiology, 2019, 73, 1173-1184.	2.8	18
28	Î²-Adrenergic receptor antagonism in mice: a model for pediatric heart disease. Journal of Applied Physiology, 2013, 115, 979-987.	2.5	17
29	Circulating miRNAs in Pediatric Pulmonary Hypertension Show Promise as Biomarkers of Vascular Function. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-11.	4.0	16
30	Circulating microRNAs differentiate Kawasaki Disease from infectious febrile illnesses in childhood. Journal of Molecular and Cellular Cardiology, 2020, 146, 12-18.	1.9	16
31	Improved Detection of Circulating miRNAs in Serum and Plasma Following Rapid Heat/Freeze Cycling. MicroRNA (Shariqah, United Arab Emirates), 2018, 7, 138-147.	1.2	15
32	Increased myocyte calcium sensitivity in end-stage pediatric dilated cardiomyopathy. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H1221-H1230.	3.2	15
33	Fibrosis-Related Gene Expression in Single Ventricle Heart Disease. Journal of Pediatrics, 2017, 191, 82-90.e2.	1.8	14
34	Targeted delivery of YSA-functionalized and non-functionalized polymeric nanoparticles to injured pulmonary vasculature. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 1059-1066.	2.8	14
35	Redistribution of ECâ€SOD resolves bleomycinâ€induced inflammation via increased apoptosis of recruited alveolar macrophages. FASEB Journal, 2019, 33, 13465-13475.	0.5	14
36	Midkineâ€™s Role in Cardiac Pathology. Journal of Cardiovascular Development and Disease, 2017, 4, 13.	1.6	13

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37	Integrated analysis of miRNAâ€“mRNA interaction in pediatric dilated cardiomyopathy. Pediatric Research, 2022, 92, 98-108.	2.3	12
38	Myocardial Response to Milrinone in Single Right Ventricle Heart Disease. Journal of Pediatrics, 2016, 174, 199-203.e5.	1.8	11
39	Dysregulated micro-RNAs and long noncoding RNAs in cardiac development and pediatric heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H1308-H1315.	3.2	10
40	R213G polymorphism in SOD3 protects against bleomycin-induced inflammation and attenuates induction of proinflammatory pathways. Physiological Genomics, 2018, 50, 807-816.	2.3	9
41	Differential response to heart failure medications in children. Progress in Pediatric Cardiology, 2018, 49, 27-30.	0.4	9
42	Acute isoproterenol leads to age-dependent arrhythmogenesis in guinea pigs. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1051-H1062.	3.2	8
43	Alteration of cardiolipin biosynthesis and remodeling in single right ventricle congenital heart disease. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H787-H800.	3.2	8
44	Transgenic over-expression of YY1 induces pathologic cardiac hypertrophy in a sex-specific manner. Biochemical and Biophysical Research Communications, 2015, 462, 131-137.	2.1	7
45	Serum circulating proteins from pediatric patients with dilated cardiomyopathy cause pathologic remodeling and cardiomyocyte stiffness. JCI Insight, 2021, 6, .	5.0	7
46	Molecular Changes in Children with Heart Failure Undergoing Left Ventricular Assist Device Therapy. Journal of Pediatrics, 2017, 182, 184-189.e1.	1.8	6
47	Amniotic fluid microRNA profiles in twin-twin transfusion syndrome with and without severe recipient cardiomyopathy. American Journal of Obstetrics and Gynecology, 2021, 225, 439.e1-439.e10.	1.3	5
48	CELF1 regulates gap junction integrity contributing to dilated cardiomyopathy. Non-coding RNA Investigation, 2018, 2, 10-10.	0.6	2
49	Amniotic Fluid microRNA in Severe Twin-Twin Transfusion Syndrome Cardiomyopathyâ€”Identification of Differences and Predicting Demise. Journal of Cardiovascular Development and Disease, 2022, 9, 37.	1.6	2
50	Paracrine Factors in UremicÂCardiomyopathy. JACC Basic To Translational Science, 2020, 5, 167-168.	4.1	1
51	MicroRNA regulation postbleomycin due to the R213G extracellular superoxide dismutase variant is predicted to suppress inflammatory and immune pathways. Physiological Genomics, 2020, 52, 245-254.	2.3	1
52	Circulating cyclic adenosine monophosphate concentrations in milrinone treated paediatric patients after congenital heart surgery. Cardiology in the Young, 2021, 31, 1393-1400.	0.8	1
53	Serum response factor deletion 5 regulates phospholamban phosphorylation and calcium uptake. Journal of Molecular and Cellular Cardiology, 2021, 159, 28-37.	1.9	1
54	MicroRNA expression in heart failure. FASEB Journal, 2012, 26, 336.3.	0.5	0

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55	Overâ€expression of FXRG and miRâ€1 increases formation of RISC complexes in H9C2 cell line. FASEB Journal, 2013, 27, .	0.5	0
56	EXPRESSION OF CARDIOLIPIN BIOSYNTHESIS AND REMODELING ENZYMES IN ADULT HEART FAILURE. FASEB Journal, 2013, 27, 1085.12.	0.5	0
57	Hypertrophy Inducing Factor In Pediatric Idiopathic Dilated Cardiomyopathy Serum. FASEB Journal, 2015, 29, 1047.4.	0.5	0
58	The Role of BCAT1 on Pediatric Dilated Cardiomyopathy. FASEB Journal, 2020, 34, 1-1.	0.5	0