

Russell A Norris

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

3,058
citations

29
h-index

55
g-index

76
ext. papers

3,665
ext. citations

7
avg, IF

4.58
L-index

#	Paper	IF	Citations
61	Periostin regulates collagen fibrillogenesis and the biomechanical properties of connective tissues. <i>Journal of Cellular Biochemistry</i> , 2007 , 101, 695-711	4.7	435
60	Cardiac fibrosis in mice with hypertrophic cardiomyopathy is mediated by non-myocyte proliferation and requires Tgf- β <i>Journal of Clinical Investigation</i> , 2010 , 120, 3520-9	15.9	301
59	Mitral valve disease--morphology and mechanisms. <i>Nature Reviews Cardiology</i> , 2015 , 12, 689-710	14.8	172
58	Epicardially derived fibroblasts preferentially contribute to the parietal leaflets of the atrioventricular valves in the murine heart. <i>Developmental Biology</i> , 2012 , 366, 111-24	3.1	164
57	Periostin promotes atrioventricular mesenchyme matrix invasion and remodeling mediated by integrin signaling through Rho/PI 3-kinase. <i>Developmental Biology</i> , 2007 , 302, 256-66	3.1	142
56	Periostin regulates atrioventricular valve maturation. <i>Developmental Biology</i> , 2008 , 316, 200-13	3.1	119
55	Periostin mediates vascular smooth muscle cell migration through the integrins alphavbeta3 and alphavbeta5 and focal adhesion kinase (FAK) pathway. <i>Atherosclerosis</i> , 2010 , 208, 358-65	3.1	114
54	Neonatal and adult cardiovascular pathophysiological remodeling and repair: developmental role of periostin. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1123, 30-40	6.5	111
53	Mutations in DCHS1 cause mitral valve prolapse. <i>Nature</i> , 2015 , 525, 109-13	50.4	107
52	The many facets of the matricellular protein periostin during cardiac development, remodeling, and pathophysiology. <i>Journal of Cell Communication and Signaling</i> , 2009 , 3, 275-86	5.2	101
51	The Living Scar--Cardiac Fibroblasts and the Injured Heart. <i>Trends in Molecular Medicine</i> , 2016 , 22, 99-114	11.5	85
50	BMP-2 induces cell migration and periostin expression during atrioventricular valvulogenesis. <i>Developmental Biology</i> , 2008 , 315, 383-96	3.1	80
49	Genetic association analyses highlight biological pathways underlying mitral valve prolapse. <i>Nature Genetics</i> , 2015 , 47, 1206-11	36.3	70
48	Developmental basis of adult cardiovascular diseases: valvular heart diseases. <i>Annals of the New York Academy of Sciences</i> , 2010 , 1188, 177-83	6.5	70
47	Atrioventricular valve development: new perspectives on an old theme. <i>Differentiation</i> , 2012 , 84, 103-16	3.5	66
46	Periostin family of proteins: therapeutic targets for heart disease. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , 2005 , 287, 1205-12		66
45	Periostin promotes a fibroblastic lineage pathway in atrioventricular valve progenitor cells. <i>Developmental Dynamics</i> , 2009 , 238, 1052-63	2.9	60

44	Identification and detection of the periostin gene in cardiac development. <i>The Anatomical Record</i> , 2004 , 281, 1227-33		53
43	Developmental basis for filamin-A-associated myxomatous mitral valve disease. <i>Cardiovascular Research</i> , 2012 , 96, 109-19	9.9	51
42	Tissue spheroid fusion-based in vitro screening assays for analysis of tissue maturation. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2010 , 4, 659-64	4.4	44
41	Periostin induces intracellular cross-talk between kinases and hyaluronan in atrioventricular valvulogenesis. <i>Journal of Biological Chemistry</i> , 2014 , 289, 8545-61	5.4	43
40	Primary cilia defects causing mitral valve prolapse. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	39
39	Embryonic Development of the Bicuspid Aortic Valve. <i>Journal of Cardiovascular Development and Disease</i> , 2015 , 2, 248-272	4.2	37
38	Identification of domains mediating transcription activation, repression, and inhibition in the paired-related homeobox protein, Prx2 (S8). <i>DNA and Cell Biology</i> , 2001 , 20, 89-99	3.6	36
37	Human PRRX1 and PRRX2 genes: cloning, expression, genomic localization, and exclusion as disease genes for Nager syndrome. <i>Mammalian Genome</i> , 2000 , 11, 1000-5	3.2	36
36	Immunolocalization of chick periostin protein in the developing heart. <i>The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology</i> , 2005 , 284, 415-23		33
35	A role for primary cilia in aortic valve development and disease. <i>Developmental Dynamics</i> , 2017 , 246, 625-634	2.9	32
34	MEF2C regulates outflow tract alignment and transcriptional control of Tdgf1. <i>Development (Cambridge)</i> , 2016 , 143, 774-9	6.6	32
33	Human pre-valvular endocardial cells derived from pluripotent stem cells recapitulate cardiac pathophysiological valvulogenesis. <i>Nature Communications</i> , 2019 , 10, 1929	17.4	30
32	The exocyst is required for photoreceptor ciliogenesis and retinal development. <i>Journal of Biological Chemistry</i> , 2017 , 292, 14814-14826	5.4	27
31	New insights into mitral valve dystrophy: a Filamin-A genotype-phenotype and outcome study. <i>European Heart Journal</i> , 2018 , 39, 1269-1277	9.5	26
30	Detection of betaig-H3, a TGFbeta induced gene, during cardiac development and its complementary pattern with periostin. <i>Anatomy and Embryology</i> , 2005 , 210, 13-23		26
29	Cyclic Mechanical Loading Is Essential for Rac1-Mediated Elongation and Remodeling of the Embryonic Mitral Valve. <i>Current Biology</i> , 2016 , 26, 27-37	6.3	24
28	The fusion of tissue spheroids attached to pre-stretched electrospun polyurethane scaffolds. <i>Journal of Tissue Engineering</i> , 2014 , 5, 2041731414556561	7.5	24
27	Alk3 mediated Bmp signaling controls the contribution of epicardially derived cells to the tissues of the atrioventricular junction. <i>Developmental Biology</i> , 2014 , 396, 8-18	3.1	20

26	Dynamic Heterogeneity of the Heart Valve Interstitial Cell Population in Mitral Valve Health and Disease. <i>Journal of Cardiovascular Development and Disease</i> , 2015 , 2, 214-232	4.2	20
25	Genome-Wide Association Study-Driven Gene-Set Analyses, Genetic, and Functional Follow-Up Suggest GLIS1 as a Susceptibility Gene for Mitral Valve Prolapse. <i>Circulation Genomic and Precision Medicine</i> , 2019 , 12, e002497	5.2	18
24	Defects in the Exocyst-Cilia Machinery Cause Bicuspid Aortic Valve Disease and Aortic Stenosis. <i>Circulation</i> , 2019 , 140, 1331-1341	16.7	18
23	Increased Infiltration of Extra-Cardiac Cells in Myxomatous Valve Disease. <i>Journal of Cardiovascular Development and Disease</i> , 2015 , 2, 200-213	4.2	18
22	Hypermobile Ehlers-Danlos syndromes: Complex phenotypes, challenging diagnoses, and poorly understood causes. <i>Developmental Dynamics</i> , 2021 , 250, 318-344	2.9	16
21	Descriptors of Cytochrome Inhibitors and Useful Machine Learning Based Methods for the Design of Safer Drugs. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	12
20	MVP-Associated Filamin A Mutations Affect FlnA-PTPN12 (PTP-PEST) Interactions. <i>Journal of Cardiovascular Development and Disease</i> , 2015 , 2, 233-247	4.2	11
19	Filamin-A as a Balance between Erk/Smad Activities During Cardiac Valve Development. <i>Anatomical Record</i> , 2019 , 302, 117-124	2.1	11
18	pGlcNAc Nanofiber Treatment of Cutaneous Wounds Stimulate Increased Tensile Strength and Reduced Scarring via Activation of Akt1. <i>PLoS ONE</i> , 2015 , 10, e0127876	3.7	9
17	Inhibition of MAPK-Erk pathway in vivo attenuates aortic valve disease processes in Emilin1-deficient mouse model. <i>Physiological Reports</i> , 2017 , 5, e13152	2.6	8
16	Role of Periostin in Cardiac Valve Development. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1132, 177-191	3.6	6
15	Mitral Valve Prolapse Induces Regionalized Myocardial Fibrosis. <i>Journal of the American Heart Association</i> , 2021 , e022332	6	6
14	Desert hedgehog-primary cilia cross talk shapes mitral valve tissue by organizing smooth muscle actin. <i>Developmental Biology</i> , 2020 , 463, 26-38	3.1	5
13	Targeted Knock-Out Mice with Cardiac Hypertrophy Exhibit Structural Mitral Valve Abnormalities. <i>Journal of Cardiovascular Development and Disease</i> , 2015 , 2, 48-65	4.2	5
12	A Novel Mouse Model for Cilia-Associated Cardiovascular Anomalies with a High Penetrance of Total Anomalous Pulmonary Venous Return. <i>Anatomical Record</i> , 2019 , 302, 136-145	2.1	5
11	Mitral Valve Prolapse and Its Motley Crew-Syndromic Prevalence, Pathophysiology, and Progression of a Common Heart Condition. <i>Journal of the American Heart Association</i> , 2021 , 10, e020919 ⁶		3
10	Genome-wide association study reveals novel genetic loci: a new polygenic risk score for mitral valve prolapse.. <i>European Heart Journal</i> , 2022 ,	9.5	2
9	Dynamic Expression Profiles of β Catenin during Murine Cardiac Valve Development. <i>Journal of Cardiovascular Development and Disease</i> , 2020 , 7,	4.2	2

8	Tugging at the Heart Strings: The Septin Cytoskeleton in Heart Development and Disease. <i>Journal of Cardiovascular Development and Disease</i> , 2020 , 7,	4.2	1
7	Congenital Heart Disease: In Search of Remedial Etiologies 2016 , 33-45		1
6	The C-C Chemokine Receptor Type 4 Is an Immunomodulatory Target of Hydroxychloroquine. <i>Frontiers in Pharmacology</i> , 2020 , 11, 1253	5.6	1
5	DZIP1 regulates mammalian cardiac valve development through a Cby1- β -catenin mechanism. <i>Developmental Dynamics</i> , 2021 , 250, 1432-1449	2.9	1
4	Periostin/Filamin-A: A Candidate Central Regulatory Axis for Valve Fibrogenesis and Matrix Compaction. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 649862	5.7	1
3	Biased Opioid Receptor Ligands: Gain without Pain. <i>Trends in Endocrinology and Metabolism</i> , 2020 , 31, 801-802	8.8	0
2	Genome-Wide Association Meta-Analysis Supports Genes Involved in Valve and Cardiac Development to Associate With Mitral Valve Prolapse. <i>Circulation Genomic and Precision Medicine</i> , 2021 , 14, e003148	5.2	0
1	Myocardial Remodeling in Embryonic Heart: An Inductive Interaction Mediated by Periostin. <i>FASEB Journal</i> , 2006 , 20, A846	0.9	