Russell A Norris

List of Publications by Year in Descending Order

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	Genome-wide association study reveals novel genetic loci: a new polygenic risk score for mitral valve prolapse.. *European Heart Journal*, **2022**,	9.5	2
60	DZIP1 regulates mammalian cardiac valve development through a Cby1-Catenin mechanism. *Developmental Dynamics*, **2021**, 250, 1432-1449	2.9	1
59	Descriptors of Cytochrome Inhibitors and Useful Machine Learning Based Methods for the Design of Safer Drugs. *Pharmaceuticals*, **2021**, 14,	5.2	12
58	Periostin/Filamin-A: A Candidate Central Regulatory Axis for Valve Fibrogenesis and Matrix Compaction. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 649862	5.7	1
57	Mitral Valve Prolapse and Its Motley Crew-Syndromic Prevalence, Pathophysiology, and Progression of a Common Heart Condition. *Journal of the American Heart Association*, **2021**, 10, e020919	6	3
56	Hypermobile Ehlers-Danlos syndromes: Complex phenotypes, challenging diagnoses, and poorly understood causes. *Developmental Dynamics*, **2021**, 250, 318-344	2.9	16
55	Genome-Wide Association Meta-Analysis Supports Genes Involved in Valve and Cardiac Development to Associate With Mitral Valve Prolapse. *Circulation Genomic and Precision Medicine*, **2021**, 14, e003148	5.2	0
54	Mitral Valve Prolapse Induces Regionalized Myocardial Fibrosis. *Journal of the American Heart Association*, **2021**, e022332	6	6
53	Tugging at the Heart Strings: The Septin Cytoskeleton in Heart Development and Disease. *Journal of Cardiovascular Development and Disease*, **2020**, 7,	4.2	1
52	Desert hedgehog-primary cilia cross talk shapes mitral valve tissue by organizing smooth muscle actin. *Developmental Biology*, **2020**, 463, 26-38	3.1	5
51	Biased Opioid Receptor Ligands: Gain without Pain. *Trends in Endocrinology and Metabolism*, **2020**, 31, 801-802	8.8	0
50	The C-C Chemokine Receptor Type 4 Is an Immunomodulatory Target of Hydroxychloroquine. *Frontiers in Pharmacology*, **2020**, 11, 1253	5.6	1
49	Dynamic Expression Profiles of Catenin during Murine Cardiac Valve Development. *Journal of Cardiovascular Development and Disease*, **2020**, 7,	4.2	2
48	Primary cilia defects causing mitral valve prolapse. *Science Translational Medicine*, **2019**, 11,	17.5	39
47	Genome-Wide Association Study-Driven Gene-Set Analyses, Genetic, and Functional Follow-Up Suggest GLIS1 as a Susceptibility Gene for Mitral Valve Prolapse. *Circulation Genomic and Precision Medicine*, **2019**, 12, e002497	5.2	18
46	Role of Periostin in Cardiac Valve Development. *Advances in Experimental Medicine and Biology*, **2019**, 1132, 177-191	3.6	6
45	Human pre-valvular endocardial cells derived from pluripotent stem cells recapitulate cardiac pathophysiological valvulogenesis. *Nature Communications*, **2019**, 10, 1929	17.4	30

44	Defects in the Exocyst-Cilia Machinery Cause Bicuspid Aortic Valve Disease and Aortic Stenosis. *Circulation*, **2019**, 140, 1331-1341	16.7	18
43	Filamin-A as a Balance between Erk/Smad Activities During Cardiac Valve Development. *Anatomical Record*, **2019**, 302, 117-124	2.1	11
42	A Novel Mouse Model for Cilia-Associated Cardiovascular Anomalies with a High Penetrance of Total Anomalous Pulmonary Venous Return. *Anatomical Record*, **2019**, 302, 136-145	2.1	5
41	New insights into mitral valve dystrophy: a Filamin-A genotype-phenotype and outcome study. *European Heart Journal*, **2018**, 39, 1269-1277	9.5	26
40	A role for primary cilia in aortic valve development and disease. *Developmental Dynamics*, **2017**, 246, 625-634	2.9	32
39	The exocyst is required for photoreceptor ciliogenesis and retinal development. *Journal of Biological Chemistry*, **2017**, 292, 14814-14826	5.4	27
38	Inhibition of MAPK-Erk pathway in vivo attenuates aortic valve disease processes in Emilin1-deficient mouse model. *Physiological Reports*, **2017**, 5, e13152	2.6	8
37	Cyclic Mechanical Loading Is Essential for Rac1-Mediated Elongation and Remodeling of the Embryonic Mitral Valve. *Current Biology*, **2016**, 26, 27-37	6.3	24
36	The Living Scar--Cardiac Fibroblasts and the Injured Heart. *Trends in Molecular Medicine*, **2016**, 22, 99-114	11.5	85
35	MEF2C regulates outflow tract alignment and transcriptional control of Tdgf1. *Development (Cambridge)*, **2016**, 143, 774-9	6.6	32
34	Congenital Heart Disease: In Search of Remedial Etiologies **2016**, 33-45		1
33	Mitral valve disease--morphology and mechanisms. *Nature Reviews Cardiology*, **2015**, 12, 689-710	14.8	172
32	Mutations in DCHS1 cause mitral valve prolapse. *Nature*, **2015**, 525, 109-13	50.4	107
31	Genetic association analyses highlight biological pathways underlying mitral valve prolapse. *Nature Genetics*, **2015**, 47, 1206-11	36.3	70
30	Increased Infiltration of Extra-Cardiac Cells in Myxomatous Valve Disease. *Journal of Cardiovascular Development and Disease*, **2015**, 2, 200-213	4.2	18
29	Targeted Knock-Out Mice with Cardiac Hypertrophy Exhibit Structural Mitral Valve Abnormalities. *Journal of Cardiovascular Development and Disease*, **2015**, 2, 48-65	4.2	5
28	Dynamic Heterogeneity of the Heart Valve Interstitial Cell Population in Mitral Valve Health and Disease. *Journal of Cardiovascular Development and Disease*, **2015**, 2, 214-232	4.2	20
27	MVP-Associated Filamin A Mutations Affect FlnA-PTPN12 (PTP-PEST) Interactions. *Journal of Cardiovascular Development and Disease*, **2015**, 2, 233-247	4.2	11

26	Embryonic Development of the Bicuspid Aortic Valve. *Journal of Cardiovascular Development and Disease*, **2015**, 2, 248-272	4.2	37
25	pGlcNAc Nanofiber Treatment of Cutaneous Wounds Stimulate Increased Tensile Strength and Reduced Scarring via Activation of Akt1. *PLoS ONE*, **2015**, 10, e0127876	3.7	9
24	Alk3 mediated Bmp signaling controls the contribution of epicardially derived cells to the tissues of the atrioventricular junction. *Developmental Biology*, **2014**, 396, 8-18	3.1	20
23	The fusion of tissue spheroids attached to pre-stretched electrospun polyurethane scaffolds. *Journal of Tissue Engineering*, **2014**, 5, 2041731414556561	7.5	24
22	Periostin induces intracellular cross-talk between kinases and hyaluronan in atrioventricular valvulogenesis. *Journal of Biological Chemistry*, **2014**, 289, 8545-61	5.4	43
21	Epicardially derived fibroblasts preferentially contribute to the parietal leaflets of the atrioventricular valves in the murine heart. *Developmental Biology*, **2012**, 366, 111-24	3.1	164
20	Atrioventricular valve development: new perspectives on an old theme. *Differentiation*, **2012**, 84, 103-16	3.5	66
19	Developmental basis for filamin-A-associated myxomatous mitral valve disease. *Cardiovascular Research*, **2012**, 96, 109-19	9.9	51
18	Developmental basis of adult cardiovascular diseases: valvular heart diseases. *Annals of the New York Academy of Sciences*, **2010**, 1188, 177-83	6.5	70
17	Periostin mediates vascular smooth muscle cell migration through the integrins alphavbeta3 and alphavbeta5 and focal adhesion kinase (FAK) pathway. *Atherosclerosis*, **2010**, 208, 358-65	3.1	114
16	Tissue spheroid fusion-based in vitro screening assays for analysis of tissue maturation. *Journal of Tissue Engineering and Regenerative Medicine*, **2010**, 4, 659-64	4.4	44
15	Cardiac fibrosis in mice with hypertrophic cardiomyopathy is mediated by non-myocyte proliferation and requires Tgf-*Journal of Clinical Investigation*, **2010**, 120, 3520-9	15.9	301
14	Periostin promotes a fibroblastic lineage pathway in atrioventricular valve progenitor cells. *Developmental Dynamics*, **2009**, 238, 1052-63	2.9	60
13	The many facets of the matricelluar protein periostin during cardiac development, remodeling, and pathophysiology. *Journal of Cell Communication and Signaling*, **2009**, 3, 275-86	5.2	101
12	BMP-2 induces cell migration and periostin expression during atrioventricular valvulogenesis. *Developmental Biology*, **2008**, 315, 383-96	3.1	80
11	Periostin regulates atrioventricular valve maturation. *Developmental Biology*, **2008**, 316, 200-13	3.1	119
10	Neonatal and adult cardiovascular pathophysiological remodeling and repair: developmental role of periostin. *Annals of the New York Academy of Sciences*, **2008**, 1123, 30-40	6.5	111
9	Periostin regulates collagen fibrillogenesis and the biomechanical properties of connective tissues. *Journal of Cellular Biochemistry*, **2007**, 101, 695-711	4.7	435

8	Periostin promotes atrioventricular mesenchyme matrix invasion and remodeling mediated by integrin signaling through Rho/PI 3-kinase. *Developmental Biology*, **2007**, 302, 256-66	3.1	142
7	Myocardial Remodeling in Embryonic Heart: An Inductive Interaction Mediated by Periostin. *FASEB Journal*, **2006**, 20, A846	0.9	
6	Immunolocalization of chick periostin protein in the developing heart. *The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology*, **2005**, 284, 415-23		33
5	Periostin family of proteins: therapeutic targets for heart disease. *The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology*, **2005**, 287, 1205-12		66
4	Detection of betaig-H3, a TGFbeta induced gene, during cardiac development and its complementary pattern with periostin. *Anatomy and Embryology*, **2005**, 210, 13-23		26
3	Identification and detection of the periostin gene in cardiac development. *The Anatomical Record*, **2004**, 281, 1227-33		53
2	Identification of domains mediating transcription activation, repression, and inhibition in the paired-related homeobox protein, Prx2 (S8). *DNA and Cell Biology*, **2001**, 20, 89-99	3.6	36
1	Human PRRX1 and PRRX2 genes: cloning, expression, genomic localization, and exclusion as disease genes for Nager syndrome. *Mammalian Genome*, **2000**, 11, 1000-5	3.2	36