Sara N Koenig

List of Publications by Year
in descending order

30 papers	1,121 citations	394421 19 h-index	434195 31 g-index
31 all docs	31 docs citations	31 times ranked	1831 citing authors

#	Article	IF	Citations
1	Endothelial nitric oxide signaling regulates Notch1 in aortic valve disease. Journal of Molecular and Cellular Cardiology, 2013, 60, 27-35.	1.9	142
2	Identification of GATA6 Sequence Variants in Patients With Congenital Heart Defects. Pediatric Research, 2010, 68, 281-285.	2.3	105
3	Inhibitory Role of Notch1 in Calcific Aortic Valve Disease. PLoS ONE, 2011, 6, e27743.	2.5	96
4	Congenital Heart Diseaseâ€“Causing Gata4 Mutation Displays Functional Deficits In Vivo. PLoS Genetics, 2012, 8, e1002690.	3.5	77
5	MicroRNA miR145 Regulates TGFBR2 Expression and Matrix Synthesis in Vascular Smooth Muscle Cells. Circulation Research, 2015, 116, 23-34.	4.5	72
6	Inhibition of Notch1 Signaling Reduces Abdominal Aortic Aneurysm in Mice by Attenuating Macrophage-Mediated Inflammation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 3012-3023.	2.4	58
7	Endothelial Notch1 Is Required for Proper Development of the Semilunar Valves and Cardiac Outflow Tract. Journal of the American Heart Association, 2016, 5, .	3.7	55
8	Pharmacological Inhibitor of Notch Signaling Stabilizes the Progression of Small Abdominal Aortic Aneurysm in a Mouse Model. Journal of the American Heart Association, 2014, 3, e001064.	3.7	50
9	Notch1 haploinsufficiency causes ascending aortic aneurysms in mice. JCI Insight, 2017, 2, .	5.0	44
10	Ankyrin-B dysfunction predisposes to arrhythmogenic cardiomyopathy and is amenable to therapy. Journal of Clinical Investigation, 2019, 129, 3171-3184.	8.2	42
11	Î²IV-Spectrin regulates STAT3 targeting to tune cardiac response to pressure overload. Journal of Clinical Investigation, 2018, 128, 5561-5572.	8.2	36
12	Submicroscopic Chromosomal Copy Number Variations Identified in Children With Hypoplastic Left Heart Syndrome. Pediatric Cardiology, 2012, 33, 757-763.	1.3	35
13	Protein Phosphatase 2A Regulates Cardiac Na ⁺ Channels. Circulation Research, 2019, 124, 737-746.	4.5	34
14	The evolving role of ankyrin-B in cardiovascular disease. Heart Rhythm, 2017, 14, 1884-1889.	0.7	33
15	Aberrant Expression of a Non-muscle RBFOX2 Isoform Triggers Cardiac Conduction Defects in Myotonic Dystrophy. Developmental Cell, 2020, 52, 748-763.e6.	7.0	31
16	Evidence of Aortopathy in Mice with Haploinsufficiency of Notch1 in Nos3-Null Background. Journal of Cardiovascular Development and Disease, 2015, 2, 17-30.	1.6	28
17	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.	1.6	26
18	Defining the molecular signatures of human right heart failure. Life Sciences, 2018, 196, 118-126.	4.3	23

#	Article	IF	Citations
19	Genetic basis of aortic valvular disease. Current Opinion in Cardiology, 2017, 32, 239-245.	1.8	22
20	MG53 Protein Protects Aortic Valve Interstitial Cells From Membrane Injury and Fibrocalcific Remodeling. Journal of the American Heart Association, 2019, 8, e009960.	3.7	19
21	Mechanisms and Alterations of Cardiac Ion Channels Leading to Disease: Role of Ankyrin-B in Cardiac Function. Biomolecules, 2020, 10, 211.	4.0	19
22	Developmental origins for semilunar valve stenosis identified in mice harboring congenital heart disease-associated GATA4 mutation. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	17
23	Arrhythmogenic Cardiomyopathy: Molecular Insights for Improved Therapeutic Design. Journal of Cardiovascular Development and Disease, 2020, 7, 21.	1.6	17
24	Inherited Variants in SCARB1 Cause Severe Early-Onset Coronary Artery Disease. Circulation Research, 2021, 129, 296-307.	4.5	12
25	Defining new mechanistic roles for Î±II spectrin in cardiac function. Journal of Biological Chemistry, 2019, 294, 9576-9591.	3.4	9
26	New mechanistic insights to PLOD1-mediated human vascular disease. Translational Research, 2022, 239, 1-17.	5.0	8
27	Giant ankyrin-G regulates cardiac function. Journal of Biological Chemistry, 2021, 296, 100507.	3.4	4
28	Altered Expression of Zonula occludens-1 Affects Cardiac Na+ Channels and Increases Susceptibility to Ventricular Arrhythmias. Cells, 2022, 11, 665.	4.1	3
29	Potential use of ivabradine for treatment of atrial fibrillation. Journal of Cardiovascular Electrophysiology, 2019, 30, 253-254.	1.7	1
30	Floppy Mitral Valve/Mitral Valve Prolapse (FMV/MVP): An unrevealed genotype â€“ Phenotype relationship. Hellenic Journal of Cardiology, 2020, 61, 354-356.	1.0	1