

CITATION REPORT

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Animal models of calcific aortic valve disease

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#	Paper	IF	Citations
87	Differential activation of valvulogenic, chondrogenic, and osteogenic pathways in mouse models of myxomatous and calcific aortic valve disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2012 , 52, 689-700	5.8	50
86	Regular exercise or changing diet does not influence aortic valve disease progression in LDLR deficient mice. <i>PLoS ONE</i> , 2012 , 7, e37298	3.7	12
85	Valvular Heart Disease. 2013 , 147-161		
84	Ex vivo 4D visualization of aortic valve dynamics in a murine model with optical coherence tomography. <i>Biomedical Optics Express</i> , 2014 , 5, 4201-12	3.5	3
83	Cardiac valve cells and their microenvironment--insights from in vitro studies. <i>Nature Reviews Cardiology</i> , 2014 , 11, 715-27	14.8	62
82	A novel mouse model of aortic valve stenosis induced by direct wire injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 270-8	9.4	30
81	Calcific aortic valve disease: a consensus summary from the Alliance of Investigators on Calcific Aortic Valve Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 2387-93	9.4	185
80	Basic mechanisms of calcific aortic valve disease. <i>Canadian Journal of Cardiology</i> , 2014 , 30, 982-93	3.8	78
79	Evaluation of a porcine model of early aortic valve sclerosis. <i>Cardiovascular Pathology</i> , 2014 , 23, 289-97	3.8	27
78	Development of Aortic Valve Disease in Familial Hypercholesterolemic Swine: Implications for Elucidating Disease Etiology. <i>Journal of the American Heart Association</i> , 2015 , 4, e002254	6	18
77	Engineered in vitro disease models. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2015 , 10, 195-264	9.4	373
76	Herbal drugs against cardiovascular disease: traditional medicine and modern development. <i>Drug Discovery Today</i> , 2015 , 20, 1074-86	8.8	46
75	Animal Models for Cardiac Research. 2015 , 469-491		3
74	In vitro models of aortic valve calcification: solidifying a system. <i>Cardiovascular Pathology</i> , 2015 , 24, 1-10	3.8	40
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72	Robotic-assisted real-time MRI-guided TAVR: from system deployment to in vivo experiment in swine model. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2016 , 11, 1905-18	3.9	4
71	Bone Morphogenetic Protein Signaling Is Required for Aortic Valve Calcification. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 1398-405	9.4	51

70	Large animal models of cardiovascular disease. <i>Cell Biochemistry and Function</i> , 2016 , 34, 113-32	4.2	67
69	Heart Valve Mechanobiology in Development and Disease. 2016 , 255-276		4
68	Dipeptidyl Peptidase-4 Induces Aortic Valve Calcification by Inhibiting Insulin-Like Growth Factor-1 Signaling in Valvular Interstitial Cells. <i>Circulation</i> , 2017 , 135, 1935-1950	16.7	45
67	Deletion of CD73 in mice leads to aortic valve dysfunction. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 1464-1472	6.9	10
66	Echocardiographic Approaches and Protocols for Comprehensive Phenotypic Characterization of Valvular Heart Disease in Mice. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	4
65	Interaction of renal failure and dyslipidaemia in the development of calcific aortic valve disease in rats. <i>Acta Cardiologica</i> , 2017 , 72, 537-546	0.9	
64	Non-destructive two-photon excited fluorescence imaging identifies early nodules in calcific aortic-valve disease. <i>Nature Biomedical Engineering</i> , 2017 , 1, 914-924	19	15
63	Ex vivo assessment of valve thickness/calcification of patients with calcific aortic stenosis in relation to in vivo clinical outcomes. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 74, 324-332	4.1	8
62	CD301b/MGL2 Mononuclear Phagocytes Orchestrate Autoimmune Cardiac Valve Inflammation and Fibrosis. <i>Circulation</i> , 2018 , 137, 2478-2493	16.7	10
61	Experimental Metabolic Syndrome Model Associated with Mechanical and Structural Degenerative Changes of the Aortic Valve. <i>Scientific Reports</i> , 2018 , 8, 17835	4.9	4
60	Deletion of calponin 2 attenuates the development of calcific aortic valve disease in ApoE mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 121, 233-241	5.8	8
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56	Conditional deletion of RB1 in the Tie2 lineage leads to aortic valve regurgitation. <i>PLoS ONE</i> , 2018 , 13, e0190623	3.7	4
55	H19 is not hypomethylated or upregulated with age or sex in the aortic valves of mice. <i>Physiological Reports</i> , 2019 , 7, e14244	2.6	2
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49	Graded murine wire-induced aortic valve stenosis model mimics human functional and morphological disease phenotype. <i>Clinical Research in Cardiology</i> , 2019 , 108, 847-856	6.1	7
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45	Model of Pathological Collagen Mineralization Based on Spine Ligament Calcification. <i>Materials</i> , 2020 , 13,	3.5	
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43	X-ray Micro-Computed Tomography: An Emerging Technology to Analyze Vascular Calcification in Animal Models. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
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41	ApoC-III is a novel inducer of calcification in human aortic valves. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100193	5.4	11
40	Evogliptin Suppresses Calcific Aortic Valve Disease by Attenuating Inflammation, Fibrosis, and Calcification. <i>Cells</i> , 2021 , 10,	7.9	5
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38	Optical coherence tomography and multiphoton microscopy offer new options for the quantification of fibrotic aortic valve disease in ApoE mice. <i>Scientific Reports</i> , 2021 , 11, 5834	4.9	4
37	Reproducible In Vitro Tissue Culture Model to Study Basic Mechanisms of Calcific Aortic Valve Disease: Comparative Analysis to Valvular Interstitials Cells. <i>Biomedicine</i> , 2021 , 9,	4.8	1
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27	Calcific aortic valve disease: from molecular and cellular mechanisms to medical therapy. <i>European Heart Journal</i> , 2021 ,	9.5	7
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8	Interleukin 38 alleviates aortic valve calcification by inhibition of NLRP3. 2022 , 119,		0
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