

Nianguo Dong

List of Publications by Year in descending order

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150
papers

3,415
citations

186265

28
h-index

189892

50
g-index

157
all docs

157
docs citations

157
times ranked

5188
citing authors

#	ARTICLE	IF	CITATIONS
1	Prosthesis Selection for Aortic Valve Replacement With Concomitant Coronary Artery Bypass Grafting. <i>Annals of Thoracic Surgery</i> , 2022, 113, 100-108.	1.3	3
2	Fifteen-Year Outcomes Following Valve-Sparing Aortic Root Replacement in Elderly Patients. <i>Heart Lung and Circulation</i> , 2022, 31, 144-152.	0.4	0
3	Micromechanical force promotes aortic valvular calcification. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 164, e313-e329.	0.8	4
4	Mechanism of CircANKRD36 regulating cell heterogeneity and endothelial mesenchymal transition in aortic valve stromal cells by regulating miR-599 and TGF- β 2 signaling pathway. <i>International Journal of Cardiology</i> , 2022, , .	1.7	3
5	Endothelial cell-derived tetrahydrobiopterin prevents aortic valve calcification. <i>European Heart Journal</i> , 2022, 43, 1652-1664.	2.2	23
6	First experience of magnetically levitated extracorporeal left ventricular assist device for cardiogenic shock in China. <i>ESC Heart Failure</i> , 2022, 9, 1471-1473.	3.1	4
7	Combining Prognostic Nutritional Index and Brain Natriuretic Peptide as a Predicting Tool for Heart Transplantation. <i>Journal of Cardiovascular Development and Disease</i> , 2022, 9, 40.	1.6	1
8	Generation of individualized immunocompatible endothelial cells from HLA-I-matched human pluripotent stem cells. <i>Stem Cell Research and Therapy</i> , 2022, 13, 48.	5.5	7
9	Substrate stiffness regulates differentiation of induced pluripotent stem cells into heart valve endothelial cells. <i>Acta Biomaterialia</i> , 2022, 143, 115-126.	8.3	12
10	Clinical study on the treatment of chronic heart failure with a novel shunt atrium shunt device. <i>ESC Heart Failure</i> , 2022, , .	3.1	7
11	Changes in transcriptomic landscape in human end-stage heart failure with distinct etiology. <i>iScience</i> , 2022, 25, 103935.	4.1	4
12	Surgical Results of Mitral Valve Repair for Mitral Regurgitation in Pediatric Patients with Mitral Valve Prolapse. <i>Pediatric Cardiology</i> , 2022, 43, 1578-1586.	1.3	1
13	Ca ²⁺ /calmodulin-dependent protein kinase II inhibition reduces myocardial fatty acid uptake and oxidation after myocardial infarction. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2022, 1867, 159120.	2.4	3
14	The Natural Product Andrographolide Ameliorates Calcific Aortic Valve Disease by Regulating the Proliferation of Valve Interstitial Cells via the MAPK-ERK Pathway. <i>Frontiers in Pharmacology</i> , 2022, 13, 871748.	3.5	3
15	Donor-Recipient Weight Match in Pediatric Heart Transplantation: Liberalizing Weight Matching with Caution. <i>Journal of Cardiovascular Development and Disease</i> , 2022, 9, 148.	1.6	1
16	Associated Factors And Short-Term Mortality Of Early versus Late Acute Kidney Injury Following on-pump Cardiac Surgery. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2022, , .	1.1	0
17	Predictors and outcomes of heart transplantation utilizing donors with different brain death mode: A propensity-score matching study from China. <i>International Journal of Cardiology</i> , 2021, 322, 58-64.	1.7	4
18	Assessment of biatrial function in clinically well pediatric bicaval heart transplantation patients by three-dimensional echocardiography. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 921-929.	1.5	1

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19	Cellular remodeling of fibrotic conduit as vascular graft. <i>Biomaterials</i> , 2021, 268, 120565.	11.4	16
20	Factors influencing osteogenic differentiation of human aortic valve interstitial cells. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, e163-e185.	0.8	19
21	Nucleophosmin contributes to vascular inflammation and endothelial dysfunction in atherosclerosis progression. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, e377-e393.	0.8	16
22	The pathomechanism of human myxomatous valvular degeneration at the mechanical and cellular level. <i>Reviews in Cardiovascular Medicine</i> , 2021, 22, 513.	1.4	3
23	Elimination of macrophages reduces glutaraldehyde-fixed porcine heart valve degeneration in mice subdermal model. <i>Pharmacology Research and Perspectives</i> , 2021, 9, e00716.	2.4	2
24	Impaired left atrial function in clinically well heart transplant patients. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 1937-1945.	1.5	2
25	Surgical repair of mitral valve bileaflet prolapse in pediatric patients. <i>Journal of Cardiac Surgery</i> , 2021, 36, 1858-1863.	0.7	2
26	PJ34, a PARP1 inhibitor, attenuates acute allograft rejection after murine heart transplantation via regulating the CD4 + T lymphocyte response. <i>Transplant International</i> , 2021, 34, 561-571.	1.6	2
27	3-Dimensional Versus 2-Dimensional STE for Right Ventricular Myocardial Fibrosis in Patients With End-Stage Heart Failure. <i>JACC: Cardiovascular Imaging</i> , 2021, 14, 1309-1320.	5.3	16
28	Multimodality imaging of a hairpin-like coronary fistula between the right coronary artery and the coronary sinus. <i>Cardiology Journal</i> , 2021, 28, 496-497.	1.2	0
29	A genome-wide association study identifies novel association between genetic variants in <i>GGT7</i> and <i>LINC00944</i> and hypertension. <i>Clinical and Translational Medicine</i> , 2021, 11, e388.	4.0	3
30	DUSP26 induces aortic valve calcification by antagonizing MDM2-mediated ubiquitination of DPP4 in human valvular interstitial cells. <i>European Heart Journal</i> , 2021, 42, 2935-2951.	2.2	24
31	Short-term outcomes of a novel modified Bentall procedure in acute type A aortic dissection. <i>Journal of Cardiovascular Surgery</i> , 2021, 62, 385-390.	0.6	1
32	Assessment of Myocardial Fibrosis Using Two-Dimensional and Three-Dimensional Speckle Tracking Echocardiography in Dilated Cardiomyopathy With Advanced Heart Failure. <i>Journal of Cardiac Failure</i> , 2021, 27, 651-661.	1.7	18
33	Nanostructured Non-Newtonian Drug Delivery Barrier Prevents Postoperative Intrapericardial Adhesions. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29231-29246.	8.0	15
34	Beating-heart on-pump coronary artery bypass grafting vs. off-pump coronary artery bypass grafting: a systematic review and meta-analysis. <i>Journal of Thoracic Disease</i> , 2021, 13, 4185-4194.	1.4	4
35	A Modified Hypothermic Circulatory Arrest Technique Improves Early and Near-Midterm Results in Patients with Acute Type A Aortic Dissection. <i>Heart Surgery Forum</i> , 2021, 24, E675-E679.	0.5	1
36	A stent for branch pulmonary artery stenosis after double-lung transplantation in a patient with COVID-19: a case report. <i>European Heart Journal - Case Reports</i> , 2021, 5, ytab327.	0.6	0

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37	Allosteric activation of PP2A inhibits experimental abdominal aortic aneurysm. <i>Clinical Science</i> , 2021, 135, 2085-2097.	4.3	5
38	Prediction of 1-year mortality after heart transplantation using machine learning approaches: A single-center study from China. <i>International Journal of Cardiology</i> , 2021, 339, 21-27.	1.7	16
39	Generation and characterization of cardiac valve endothelial-like cells from human pluripotent stem cells. <i>Communications Biology</i> , 2021, 4, 1039.	4.4	18
40	Andrographolide ameliorates aortic valve calcification by regulation of lipid biosynthesis and glycerolipid metabolism targeting MGLL expression in vitro and in vivo. <i>Cell Calcium</i> , 2021, 100, 102495.	2.4	18
41	Nanoengineered Shear-Thinning Hydrogel Barrier for Preventing Postoperative Abdominal Adhesions. <i>Nano-Micro Letters</i> , 2021, 13, 212.	27.0	28
42	Successful Surgical Treatment of a Giant Left Coronary Artery Aneurysm with Fistula. <i>Heart Surgery Forum</i> , 2021, 24, E868-E869.	0.5	0
43	Association Between 2D- and 3D-Speckle-Tracking Longitudinal Strain and Cardiovascular Magnetic Resonance Evidence of Diffuse Myocardial Fibrosis in Heart Transplant Recipients. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 727745.	2.4	3
44	Protein Phosphatase 2A Deficiency in Macrophages Increases Foam Cell Formation and Accelerates Atherosclerotic Lesion Development. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 745009.	2.4	0
45	Midkine Prevents Calcification of Aortic Valve Interstitial Cells via Intercellular Crosstalk. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 794058.	3.7	6
46	Novel mechanisms for osteogenic differentiation of human aortic valve interstitial cells. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 1742-1753.e7.	0.8	11
47	Pulmonary artery growth after Modified Blalock-Taussig shunt: A single center experience. <i>Asian Journal of Surgery</i> , 2020, 43, 428-437.	0.4	8
48	Clinical outcome of donor heart with prolonged cold ischemic time: A single-center study. <i>Journal of Cardiac Surgery</i> , 2020, 35, 397-404.	0.7	7
49	Effects of the proportion of two different cross-linkers on the material and biological properties of enzymatically degradable PEG hydrogels. <i>Polymer Degradation and Stability</i> , 2020, 172, 109067.	5.8	20
50	Untangling the co-effects of oriented nanotopography and sustained anticoagulation in a biomimetic intima on neovessel remodeling. <i>Biomaterials</i> , 2020, 231, 119654.	11.4	20
51	Assessment of biventricular function by three-dimensional speckle-tracking echocardiography in clinically well pediatric heart transplantation patients. <i>Echocardiography</i> , 2020, 37, 2107-2115.	0.9	4
52	Cell-Type Transcriptome Atlas of Human Aortic Valves Reveal Cell Heterogeneity and Endothelial to Mesenchymal Transition Involved in Calcific Aortic Valve Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2910-2921.	2.4	93
53	Real time three-dimensional echocardiographic quantification of left atrial volume in orthotopic heart transplant recipients: Comparisons with cardiac magnetic resonance imaging. <i>Echocardiography</i> , 2020, 37, 1243-1250.	0.9	4
54	Inhibition of PP2A enhances the osteogenic differentiation of human aortic valvular interstitial cells via ERK and p38 MAPK pathways. <i>Life Sciences</i> , 2020, 257, 118086.	4.3	12

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55	IL-21 promotes osteoblastic differentiation of human valvular interstitial cells through the JAK3/STAT3 pathway. <i>International Journal of Medical Sciences</i> , 2020, 17, 3065-3072.	2.5	14
56	Silk-Based Biomaterials for Cardiac Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000735.	7.6	35
57	Profiling circulating T follicular helper cells and their effects on B cells in post-cardiac transplant recipients. <i>Annals of Translational Medicine</i> , 2020, 8, 1369-1369.	1.7	9
58	Melatonin ameliorates aortic valve calcification via the regulation of circular RNA CircRIC3/miR-2045p/DPP4 signaling in valvular interstitial cells. <i>Journal of Pineal Research</i> , 2020, 69, e12666.	7.4	38
59	Heart transplantation in 47 children: single-center experience from China. <i>Annals of Translational Medicine</i> , 2020, 8, 467-467.	1.7	3
60	Development and trend in the field of valvular heart disease in China: an analysis based on the National Natural Science Foundation of China. <i>Annals of Translational Medicine</i> , 2020, 8, 449-449.	1.7	5
61	Orthotopic Heart Transplantation for Congenital Heart Disease with Dextrocardia: A Single-Center Clinic Experience. <i>BioMed Research International</i> , 2020, 2020, 1-9.	1.9	0
62	Bioprosthetic vs mechanical mitral valve replacement for infective endocarditis in patients aged 50 to 69 years. <i>Clinical Cardiology</i> , 2020, 43, 1093-1099.	1.8	12
63	Curcumin inhibits calcification of human aortic valve interstitial cells by interfering NF- κ B, AKT, and ERK pathways. <i>Phytotherapy Research</i> , 2020, 34, 2074-2081.	5.8	38
64	First cases of COVID-19 in heart transplantation from China. <i>Journal of Heart and Lung Transplantation</i> , 2020, 39, 496-497.	0.6	163
65	A riboflavin-ultraviolet light A-crosslinked decellularized heart valve for improved biomechanical properties, stability, and biocompatibility. <i>Biomaterials Science</i> , 2020, 8, 2549-2563.	5.4	25
66	Investigation of air plasma generated by surface microdischarge for decellularized porcine aortic valve leaflets modification. <i>Plasma Processes and Polymers</i> , 2020, 17, 2000100.	3.0	6
67	Caffeic Acid Phenethyl Ester Ameliorates Calcification by Inhibiting Activation of the AKT/NF- κ B/NLRP3 Inflammasome Pathway in Human Aortic Valve Interstitial Cells. <i>Frontiers in Pharmacology</i> , 2020, 11, 826.	3.5	35
68	An unknown mass on the cardiac surface with huge coronary aneurysm and fistula: A case report. <i>Journal of Cardiac Surgery</i> , 2020, 35, 920-922.	0.7	0
69	The natural compound andrographolide inhibits human aortic valve interstitial cell calcification via the NF- κ B/Akt/ERK pathway. <i>Biomedicine and Pharmacotherapy</i> , 2020, 125, 109985.	5.6	24
70	Predictors of Long-Term Outcome of Isolated Surgical Aortic Valve Replacement in Aortic Regurgitation With Reduced Left Ventricular Ejection Fraction and Extreme Left Ventricular Dilatation. <i>American Journal of Cardiology</i> , 2020, 125, 1385-1390.	1.6	5
71	BMAL1-Downregulation Aggravates Porphyromonas Gingivalis-Induced Atherosclerosis by Encouraging Oxidative Stress. <i>Circulation Research</i> , 2020, 126, e15-e29.	4.5	111
72	Circulating follicular T helper cells and humoral reactivity in rheumatic heart disease. <i>Life Sciences</i> , 2020, 245, 117390.	4.3	3

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73	A retrospective cohort study of methylprednisolone therapy in severe patients with COVID-19 pneumonia. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 57.	17.1	169
74	Early outcomes of Stanford type A aortic dissection under the coronavirus disease 2019 (COVID-19) pandemic: a multicentre study from Hubei province. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2020, 31, 834-840.	1.1	5
75	Isolated tricuspid valve surgery after congenital versus left heart-disease surgery: mid-term outcomes. <i>Journal of Thoracic Disease</i> , 2020, 12, 5561-5570.	1.4	0
76	Managements of 13 emergency cardiac surgeries under COVID-19 pandemic in a Sentinel Hospital. <i>Journal of Thoracic Disease</i> , 2020, 12, 6663-6669.	1.4	1
77	Isolated Severe Right Ventricular Hypertrophic Cardiomyopathy. <i>Annals of Thoracic Surgery</i> , 2019, 107, e23-e25.	1.3	4
78	Cardiac rhabdomyomas with atrial septal defect and tricuspid insufficiency: A case report. <i>Journal of Cardiac Surgery</i> , 2019, 34, 1123-1126.	0.7	0
79	Remodeling of a Cell-Free Vascular Graft with Nanolamellar Intima into a Neovessel. <i>ACS Nano</i> , 2019, 13, 10576-10586.	14.6	34
80	Evaluation of Drug-Related Receptors in Children With Dilated Cardiomyopathy. <i>Frontiers in Pediatrics</i> , 2019, 7, 387.	1.9	3
81	Comparison of Rapidly Proliferating, Multipotent Aortic Valve-Derived Stromal Cells and Valve Interstitial Cells in the Human Aortic Valve. <i>Stem Cells International</i> , 2019, 2019, 1-10.	2.5	21
82	Psoralen Protects Chondrocytes, Exhibits Anti-Inflammatory Effects on Synoviocytes, and Attenuates Monosodium Iodoacetate-Induced Osteoarthritis. <i>International Journal of Biological Sciences</i> , 2019, 15, 229-238.	6.4	38
83	<p>Novel role of NLRP3-inflammasome in regulation of lipogenesis in fasting-induced hepatic steatosis<p>. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2019, Volume 12, 801-811.	2.4	10
84	Localized injection of miRNA-21-enriched extracellular vesicles effectively restores cardiac function after myocardial infarction. <i>Theranostics</i> , 2019, 9, 2346-2360.	10.0	134
85	Nobiletin exhibits potent inhibition on tumor necrosis factor alpha-induced calcification of human aortic valve interstitial cells via targeting ABCG2 and AKR1B1. <i>Phytotherapy Research</i> , 2019, 33, 1717-1725.	5.8	30
86	Bioengineered three-dimensional scaffolds to elucidate the effects of material biodegradability on cell behavior using POSS-PEG hybrid hydrogels. <i>Polymer Degradation and Stability</i> , 2019, 164, 118-126.	5.8	14
87	Identification of key genes and pathways contributing to artery tertiary lymphoid organ development in advanced mouse atherosclerosis. <i>Molecular Medicine Reports</i> , 2019, 19, 3071-3086.	2.4	8
88	Synthesis of thiol-terminated PEG-functionalized POSS cross-linkers and fabrication of high-strength and hydrolytic degradable hybrid hydrogels in aqueous phase. <i>European Polymer Journal</i> , 2019, 116, 74-83.	5.4	23
89	Modifying decellularized aortic valve scaffolds with stromal cell-derived factor-1± loaded proteolytically degradable hydrogel for recellularization and remodeling. <i>Acta Biomaterialia</i> , 2019, 88, 280-292.	8.3	36
90	Circulating myocardial microRNAs from infarcted hearts are carried in exosomes and mobilise bone marrow progenitor cells. <i>Nature Communications</i> , 2019, 10, 959.	12.8	147

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91	Clinical outcomes of transcatheter versus surgical pulmonary valve replacement: a meta-analysis. <i>Journal of Thoracic Disease</i> , 2019, 11, 5343-5351.	1.4	18
92	Isolated giant muscular diverticulum on the left ventricular outflow tract. <i>European Heart Journal</i> , 2019, 40, 3870-3870.	2.2	2
93	Surface biofunctionalization of the decellularized porcine aortic valve with VEGF-loaded nanoparticles for accelerating endothelialization. <i>Materials Science and Engineering C</i> , 2019, 97, 632-643.	7.3	27
94	Regeneration of a neoartery through a completely autologous acellular conduit in a minipig model: a pilot study. <i>Journal of Translational Medicine</i> , 2019, 17, 24.	4.4	7
95	Coupled OPG-Fc on Decellularized Aortic Valves by EDC/NHS Attenuates Rat MSCs Calcification In Vitro. <i>ASAIO Journal</i> , 2019, 65, 197-204.	1.6	4
96	Metformin ameliorates TGF- β 1-induced osteoblastic differentiation of human aortic valve interstitial cells by inhibiting β -catenin signaling. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 710-716.	2.1	12
97	Transgenic Overexpression of IL-37 Protects Against Atherosclerosis and Strengthens Plaque Stability. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 1034-1050.	1.6	36
98	Neural crest-derived cells migrate from nerve to participate in Achilles tendon remodeling. <i>Wound Repair and Regeneration</i> , 2018, 26, 54-63.	3.0	10
99	E2F1 Suppresses Oxidative Metabolism and Endothelial Differentiation of Bone Marrow Progenitor Cells. <i>Circulation Research</i> , 2018, 122, 701-711.	4.5	23
100	Hydrolytically degradable POSS-PEG hybrid hydrogels prepared in aqueous phase with tunable mechanical properties, swelling ratio and degradation rate. <i>Reactive and Functional Polymers</i> , 2018, 123, 91-96.	4.1	23
101	Association between myocardial extracellular volume and strain analysis through cardiovascular magnetic resonance with histological myocardial fibrosis in patients awaiting heart transplantation. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018, 20, 25.	3.3	31
102	Cardiac protective effects of remote ischaemic preconditioning in children undergoing tetralogy of fallot repair surgery: a randomized controlled trial. <i>European Heart Journal</i> , 2018, 39, 1028-1037.	2.2	57
103	LncRNA TUG1 sponges miR-204-5p to promote osteoblast differentiation through upregulating Runx2 in aortic valve calcification. <i>Cardiovascular Research</i> , 2018, 114, 168-179.	3.8	194
104	Synergistic promoting effects of bone morphogenetic protein 12/connective tissue growth factor on functional differentiation of tendon derived stem cells and patellar tendon window defect regeneration. <i>Journal of Biomechanics</i> , 2018, 66, 95-102.	2.1	18
105	Extended donor criteria in heart transplantation: a retrospective study from a single Chinese institution. <i>Journal of Thoracic Disease</i> , 2018, 10, 2153-2165.	1.4	13
106	Limited prognostic value of myocardial viability assessment in patients with coronary artery diseases and severe left ventricular dysfunction. <i>Journal of Thoracic Disease</i> , 2018, 10, 2249-2255.	1.4	9
107	Anthraquinone Emodin Inhibits Tumor Necrosis Factor Alpha-Induced Calcification of Human Aortic Valve Interstitial Cells via the NF- κ B Pathway. <i>Frontiers in Pharmacology</i> , 2018, 9, 1328.	3.5	37
108	Long noncoding RNA Meg3 regulates cardiomyocyte apoptosis in myocardial infarction. <i>Gene Therapy</i> , 2018, 25, 511-523.	4.5	72

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109	Early and mid-term follow-up of patients receiving arterial switch operation: a single-center experience. <i>Journal of Thoracic Disease</i> , 2018, 10, 732-739.	1.4	8
110	Plant-Derived Products for Treatment of Vascular Intima Hyperplasia Selectively Inhibit Vascular Smooth Muscle Cell Functions. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-17.	1.2	14
111	Importance of transcatheter closure test for giant ventricular septal defect associated with pulmonary hypertension: a case with successful surgical repair of the defect. <i>Cardiology in the Young</i> , 2018, 28, 1053-1055.	0.8	0
112	Emodin as a selective proliferative inhibitor of vascular smooth muscle cells versus endothelial cells suppress arterial intima formation. <i>Life Sciences</i> , 2018, 207, 9-14.	4.3	20
113	miR-217 Promotes Cardiac Hypertrophy and Dysfunction by Targeting PTEN. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 12, 254-266.	5.1	101
114	End-point immobilization of heparin on plasma-treated surface of electrospun polycarbonate-urethane vascular graft. <i>Acta Biomaterialia</i> , 2017, 51, 138-147.	8.3	79
115	LncRNA MALAT1 sponges miR-204 to promote osteoblast differentiation of human aortic valve interstitial cells through up-regulating Smad4. <i>International Journal of Cardiology</i> , 2017, 243, 404-412.	1.7	138
116	CCN3 Regulates Macrophage Foam Cell Formation and Atherosclerosis. <i>American Journal of Pathology</i> , 2017, 187, 1230-1237.	3.8	33
117	ADAMTS5 Deficiency in Calcified Aortic Valves Is Associated With Elevated Pro-Osteogenic Activity in Valvular Interstitial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1339-1351.	2.4	29
118	Klotho suppresses high phosphate-induced osteogenic responses in human aortic valve interstitial cells through inhibition of Sox9. <i>Journal of Molecular Medicine</i> , 2017, 95, 739-751.	3.9	23
119	Early surgery versus conventional treatment for asymptomatic severe aortic regurgitation with normal ejection fraction and left ventricular dilatation. <i>European Journal of Cardio-thoracic Surgery</i> , 2017, 52, 118-124.	1.4	16
120	The shift of macrophages toward M1 phenotype promotes aortic valvular calcification. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 153, 1318-1327.e1.	0.8	91
121	RAGE deficiency alleviates aortic valve calcification in ApoE $\hat{\sim}/\hat{\sim}$ mice via the inhibition of endoplasmic reticulum stress. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 781-792.	3.8	24
122	Biodegradable Inorganic-Organic POSS-PEG Hybrid Hydrogels as Scaffolds for Tissue Engineering. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700142.	3.6	18
123	Mitral valve repair versus replacement in elderly patients: a systematic review and meta-analysis. <i>Journal of Thoracic Disease</i> , 2017, 9, 3045-3051.	1.4	16
124	Assessing right ventricular function in pulmonary hypertension patients and the correlation with the New York Heart Association (NYHA) classification. <i>Oncotarget</i> , 2017, 8, 90421-90429.	1.8	6
125	Role of DNA methylation in perinatal nicotine-induced development of heart ischemia-sensitive phenotype in rat offspring. <i>Oncotarget</i> , 2017, 8, 76865-76880.	1.8	19
126	Successful extracorporeal membrane oxygenation (ECMO) support in two pediatric heart transplant patients with extreme donor/recipient size mismatch. <i>Journal of Thoracic Disease</i> , 2016, 8, 1329-1332.	1.4	1

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127	Pulmonary Artery Aneurysm Compressing the Tracheobronchial Tree Following an Arterial Switch Operation. <i>Journal of Cardiac Surgery</i> , 2016, 31, 106-109.	0.7	3
128	Numerical simulation of closure performance for neo-aortic valve for arterial switch operation. <i>BioMedical Engineering OnLine</i> , 2016, 15, 150.	2.7	1
129	Prevalence and correlates of valvular heart diseases in the elderly population in Hubei, China. <i>Scientific Reports</i> , 2016, 6, 27253.	3.3	21
130	Synthesis and characterization of MMP degradable and maleimide cross-linked PEG hydrogels for tissue engineering scaffolds. <i>Polymer Degradation and Stability</i> , 2016, 133, 312-320.	5.8	33
131	Promotion of adhesion and proliferation of endothelial progenitor cells on decellularized valves by covalent incorporation of RGD peptide and VEGF. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 142.	3.6	14
132	Mid- to long-term outcome comparison of the Medtronic Hancock II and bi-leaflet mechanical aortic valve replacement in patients younger than 60 years of age: a propensity-matched analysis. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016, 22, 280-286.	1.1	28
133	Aortic valve replacement for severe aortic regurgitation in asymptomatic patients with normal ejection fraction and severe left ventricular dilatation. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016, 22, 425-430.	1.1	18
134	High-mobility group box-1 protein induces osteogenic phenotype changes in aortic valve interstitial cells. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 151, 255-262.	0.8	28
135	The effect of right ventricular myocardial remodeling on ventricular function as assessed by two-dimensional speckle tracking echocardiography in patients with tetralogy of Fallot: A single center experience from China. <i>International Journal of Cardiology</i> , 2015, 178, 300-307.	1.7	29
136	Oxidized Low-Density Lipoprotein Promotes Osteoblastic Differentiation of Valvular Interstitial Cells through RAGE/MAPK. <i>Cardiology</i> , 2015, 130, 55-61.	1.4	22
137	Synthesis and applications of tetra-functional branched poly(ethylene glycol) derivative for the decellularized valve leaflets cross-linking. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2015, 30, 193-197.	1.0	2
138	Lazaroid U-74389C inhibits the osteoblastic differentiation of IL-1 β -induced aortic valve interstitial cells through glucocorticoid receptor and inhibition of NF- κ B pathway. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 152, 114-123.	2.5	14
139	Promoting endothelialization on decellularized porcine aortic valve by immobilizing branched polyethylene glycol modified with cyclic-RGD peptide: an <i>in vitro</i> study. <i>Biomedical Materials (Bristol)</i> , 2015, 10, 065014.	3.3	13
140	Diagnostic Value of Transthoracic Echocardiography in Patients with Coarctation of Aorta: The Chinese Experience in 53 Patients Studied between 2008 and 2012 in One Major Medical Center. <i>PLoS ONE</i> , 2015, 10, e0127399.	2.5	19
141	Asymmetric domino Michaelis-aldol reactions catalyzed by recyclable PEG supported chiral primary aminoalcohol and primary secondary diamine catalysts in water. <i>Catalysis Communications</i> , 2014, 53, 72-76.	3.3	5
142	Tissue engineering of heart valves: PEGylation of decellularized porcine aortic valve as a scaffold for <i>in vitro</i> recellularization. <i>BioMedical Engineering OnLine</i> , 2013, 12, 87.	2.7	28
143	Endoplasmic Reticulum Stress Participates in Aortic Valve Calcification in Hypercholesterolemic Animals. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2345-2354.	2.4	65
144	Pioglitazone attenuates progression of aortic valve calcification via down-regulating receptor for advanced glycation end products. <i>Basic Research in Cardiology</i> , 2012, 107, 306.	5.9	51

#	ARTICLE	IF	CITATIONS
145	Application of decellularized scaffold combined with loaded nanoparticles for heart valve tissue engineering in vitro. Journal of Huazhong University of Science and Technology [Medical Sciences], 2011, 31, 88-93.	1.0	21
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147	Immobilization of decellularized valve scaffolds with Arg-Gly-Asp-containing peptide to promote myofibroblast adhesion. Journal of Huazhong University of Science and Technology [Medical Sciences], 2009, 29, 503-507.	1.0	10
148	Fabrication of a Novel Hybrid Heart Valve Leaflet for Tissue Engineering: An In Vitro Study. Artificial Organs, 2009, 33, 554-558.	1.9	49
149	Current progress on scaffolds of tissue engineering heart valves. Frontiers of Medicine in China, 2008, 2, 229-234.	0.1	3
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