Marie Jose Goumans

List of Publications by Year
in descending order

299 papers	18,922 citations	11608 70 h-index	14156 128 g-index
306 all docs	306 docs citations	306 times ranked	22465 citing authors

#	Article	IF	Citations
1	Inhibition of the prolyl isomerase Pin1 improves endothelial function and attenuates vascular remodelling in pulmonary hypertension by inhibiting TGF-Î² signalling. Angiogenesis, 2022, 25, 99-112.	3.7	8
2	Interplay of sex hormones and long-term right ventricular adaptation in a Dutch PAH-cohort. Journal of Heart and Lung Transplantation, 2022, 41, 445-457.	0.3	12
3	Conditional immortalization of human atrial myocytes for the generation of in vitro models of atrial fibrillation. Nature Biomedical Engineering, 2022, 6, 389-402.	11.6	16
4	Right Ventricular and Right Atrial Function Are Less Compromised in Pulmonary Hypertension Secondary to Heart Failure With Preserved Ejection Fraction: A Comparison With Pulmonary Arterial Hypertension With Similar Pressure Overload. Circulation: Heart Failure, 2022, 15, CIRCHEARTFAILURE121008726.	1.6	12
5	Pirfenidone Has Anti-fibrotic Effects in a Tissue-Engineered Model of Human Cardiac Fibrosis. Frontiers in Cardiovascular Medicine, 2022, 9, 854314.	1.1	16
6	R-SMAD in control of the R-smooth muscle cell. , 2022, 1, 289-290.		0
7	Increased Bone Morphogenetic Protein 10 Activity Is Associated with Increased Right Atrial Wall Stress and Disease Severity in Pulmonary Hypertension. , 2022, , .		0
8	Right Atrial Adaptation to Pressure-Overload in Pulmonary Arterial Hypertension. , 2022, , .		0
9	BYL-719 administration prevents heterotopic ossification in FOP mice irrespective of ACVR1/ALK2 kinase activity. Bone Reports, 2022, 16, 101282.	0.2	0
10	Pim1 maintains telomere length in mouse cardiomyocytes by inhibiting TGFÎ² signalling. Cardiovascular Research, 2021, 117, 201-211.	1.8	13
11	Increased MAO-A Activity Promotes Progression of Pulmonary Arterial Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 331-343.	1.4	12
12	Altered TGFÎ²/SMAD Signaling in Human and Rat Models of Pulmonary Hypertension: An Old Target Needs Attention. Cells, 2021, 10, 84.	1.8	16
13	Endothelial Dysfunction in Pulmonary Hypertension: Cause or Consequence?. Biomedicines, 2021, 9, 57.	1.4	59
14	Volume Load-Induced Right Ventricular Failure in Rats Is Not Associated With Myocardial Fibrosis. Frontiers in Physiology, 2021, 12, 557514.	1.3	3
15	Challenges and Opportunities for Drug Repositioning in Fibrodysplasia Ossificans Progressiva. Biomedicines, 2021, 9, 213.	1.4	8
16	BMP Receptor Inhibition Enhances Tissue Repair in Endoglin Heterozygous Mice. International Journal of Molecular Sciences, 2021, 22, 2010.	1.8	2
17	The Inflammatory Profile of CTEPH-Derived Endothelial Cells Is a Possible Driver of Disease Progression. Cells, 2021, 10, 737.	1.8	13
18	The Role of Cell Tracing and Fate Mapping Experiments in Cardiac Outflow Tract Development, New Opportunities through Emerging Technologies. Journal of Cardiovascular Development and Disease, 2021, 8, 47.	0.8	2

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19	Endothelium-derived stromal cells contribute to hematopoietic bone marrow niche formation. Cell Stem Cell, 2021, 28, 653-670.e11.	5.2	31
20	Endoglin/CD105-Based Imaging of Cancer and Cardiovascular Diseases: A Systematic Review. International Journal of Molecular Sciences, 2021, 22, 4804.	1.8	10
21	Cripto favours chondrocyte hypertrophy via TGF-beta SMAD1/5 signaling in experimental osteoarthritis. Bone Reports, 2021, 14, 101043.	0.2	0
22	The battle of new biomarkers for right heart failure in pulmonary hypertension: is the queen of hearts NT-proBNP defeated at last?. European Respiratory Journal, 2021, 57, 2004277.	3.1	2
23	New calcification model for intact murine aortic valves. Journal of Molecular and Cellular Cardiology, 2021, 156, 95-104.	0.9	4
24	Generation, Characterization, and Application of Inducible Proliferative Adult Human Epicardium-Derived Cells. Cells, 2021, 10, 2064.	1.8	3
25	Cripto favors chondrocyte hypertrophy via <scp>TGF</scp>â€Î² <scp>SMAD1</scp>/5 signaling during development of osteoarthritis. Journal of Pathology, 2021, 255, 330-342.	2.1	11
26	Epicardial differentiation drives fibro-fatty remodeling in arrhythmogenic cardiomyopathy. Science Translational Medicine, 2021, 13, eabf2750.	5.8	16
27	Deficient Myocardial Organization and Pathological Fibrosis in Fetal Aortic Stenosisâ€"Association of Prenatal Ultrasound with Postmortem Histology. Journal of Cardiovascular Development and Disease, 2021, 8, 121.	0.8	3
28	Derivation and characterisation of endothelial cells from patients with chronic thromboembolic pulmonary hypertension. Scientific Reports, 2021, 11, 18797.	1.6	9
29	Prrx1b restricts fibrosis and promotes Nrg1-dependent cardiomyocyte proliferation during zebrafish heart regeneration. Development (Cambridge), 2021, 148, .	1.2	25
30	Cardiomyocytes Cellular Phenotypes After Myocardial Infarction. Frontiers in Cardiovascular Medicine, 2021, 8, 750510.	1.1	35
31	Oncofetal Protein CRIPTO Is Involved in Wound Healing and Fibrogenesis in the Regenerating Liver and Is Associated with the Initial Stages of Cardiac Fibrosis. Cells, 2021, 10, 3325.	1.8	2
32	Interfering in the ALK1 Pathway Results in Macrophage-Driven Outward Remodeling of Murine Vein Grafts. Frontiers in Cardiovascular Medicine, 2021, 8, 784980.	1.1	7
33	Development of a 3-Dimensional Model to Study Right Heart Dysfunction in Pulmonary Arterial Hypertension: First Observations. Cells, 2021, 10, 3595.	1.8	1
34	Activin A and ALK4 Identified as Novel Regulators of Epithelial to Mesenchymal Transition (EMT) in Human Epicardial Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 765007.	1.8	0
35	Stress-induced remodelling of the mitral valve: a model for leaflet thickening and superimposed tissue formation in mitral valve disease. Cardiovascular Research, 2020, 116, 931-943.	1.8	13
36	Reply to Ning et al.: More Insights into the Association between RVX-208 and Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 389-391.	2.5	0

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37	LIM-only protein FHL2 attenuates inflammation in vascular smooth muscle cells through inhibition of the NFÎºB pathway. Vascular Pharmacology, 2020, 125-126, 106634.	1.0	7
38	Cellular senescence impairs the reversibility of pulmonary arterial hypertension. Science Translational Medicine, 2020, 12, .	5.8	74
39	Anti-Proliferative Therapy with 6-Mercaptopurine Improves Hemodynamics and BMPR2 Expression in Pulmonary Arterial Hypertension. , 2020, , .		0
40	Exacerbated inflammatory signaling underlies aberrant response to BMP9 in pulmonary arterial hypertension lung endothelial cells. Angiogenesis, 2020, 23, 699-714.	3.7	22
41	Disturbed NO signalling gives rise to congenital bicuspid aortic valve and aortopathy. DMM Disease Models and Mechanisms, 2020, 13, .	1.2	10
42	TGF-Î²-Induced Endothelial to Mesenchymal Transition in Disease and Tissue Engineering. Frontiers in Cell and Developmental Biology, 2020, 8, 260.	1.8	133
43	MnTBAP Reverses Pulmonary Vascular Remodeling and Improves Cardiac Function in Experimentally Induced Pulmonary Arterial Hypertension. International Journal of Molecular Sciences, 2020, 21, 4130.	1.8	2
44	Extracellular Matrix Analysis of Human Renal Arteries in Both Quiescent and Active Vascular State. International Journal of Molecular Sciences, 2020, 21, 3905.	1.8	5
45	Bone morphogenetic protein receptors: Structure, function and targeting by selective small molecule kinase inhibitors. Bone, 2020, 138, 115472.	1.4	65
46	The BMP Receptor 2 in Pulmonary Arterial Hypertension: When and Where the Animal Model Matches the Patient. Cells, 2020, 9, 1422.	1.8	23
47	Epicardial TGFÎ² and BMP Signaling in Cardiac Regeneration: What Lesson Can We Learn from the Developing Heart?. Biomolecules, 2020, 10, 404.	1.8	15
48	The human amniotic fluid stem cell secretome exerts cardio-active paracrine potential for myocardial repair and regeneration. Cytotherapy, 2020, 22, S171.	0.3	0
49	A combined CaMKII inhibition and mineralocorticoid receptor antagonism via eplerenone inhibits functional deterioration in chronic pressure overloaded mice. Journal of Cellular and Molecular Medicine, 2020, 24, 8417-8429.	1.6	3
50	Reply to Chen et al.: BET Signaling: A Novel Therapeutic Target for Pulmonary Hypertension?. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 1313-1314.	2.5	0
51	Endoglin: Beyond the Endothelium. Biomolecules, 2020, 10, 289.	1.8	62
52	LIM-only protein FHL2 attenuates vascular tissue factor activity, inhibits thrombus formation in mice and FHL2 genetic variation associates with human venous thrombosis. Haematologica, 2020, 105, 1677-1685.	1.7	4
53	Perivascular Adipose Tissue Controls Insulin-Stimulated Perfusion, Mitochondrial Protein Expression, and Glucose Uptake in Muscle Through Adipomuscular Arterioles. Diabetes, 2020, 69, 603-613.	0.3	9
54	Blood biomarkers in patients with bicuspid aortic valve disease. Journal of Cardiology, 2020, 76, 287-294.	0.8	3

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55	Human epicardium-derived cells reinforce cardiac sympathetic innervation. Journal of Molecular and Cellular Cardiology, 2020, 143, 26-37.	0.9	9
56	The Effects of Mercaptopurine on Pulmonary Vascular Resistance and BMPR2 Expression in Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 296-299.	2.5	10
57	Toward Biological Pacing by Cellular Delivery of Hcn2/SkM1. Frontiers in Physiology, 2020, 11, 588679.	1.3	5
58	Sex differences in the relation between sex hormones and right ventricular function in pulmonary arterial hypertension. , 2020, , .		0
59	HDAC inhibitor quisinostat reduces pulmonary vascular remodeling in experimentally induced pulmonary arterial hypertension. , 2020, , .		0
60	Abstract 15161: Increased Right Atrial Stiffness in Patients With Heart Failure With Preserved Ejection Fraction and Pulmonary Hypertension. Circulation, 2020, 142, .	1.6	0
61	Inhibition of BMP9 and BMP10 signalling by the ALK1-Fc Ligand Trap enhances systemic inflammation and increases vein graft atherosclerosis. European Heart Journal, 2020, 41, .	1.0	0
62	A small molecule screen identifies novel inducers of EMT that may increase epicardium-driven repair of the heart. European Heart Journal, 2020, 41, .	1.0	0
63	Single-cell RNA sequencing of human fetal epicardium reveals novel markers and regulators of EMT. European Heart Journal, 2020, 41, .	1.0	0
64	Selective inhibition of Histone deacetylases reverses vascular remodelling and improves right ventricle function in pulmonary hypertension. European Heart Journal, 2020, 41, .	1.0	0
65	New ex vivo calcification model for intact murine aortic valves. European Heart Journal, 2020, 41, .	1.0	0
66	Blockade of vascular endothelial growth factor receptor 2 inhibits intraplaque haemorrhage by normalization of plaque neovessels. Journal of Internal Medicine, 2019, 285, 59-74.	2.7	42
67	Nintedanib improves cardiac fibrosis but leaves pulmonary vascular remodelling unaltered in experimental pulmonary hypertension. Cardiovascular Research, 2019, 115, 432-439.	1.8	38
68	Supporting data on inÂvitro cardioprotective and proliferative paracrine effects by the human amniotic fluid stem cell secretome. Data in Brief, 2019, 25, 104324.	0.5	14
69	Reply to Piquereau and Perros and to Pullamsetti and de Jesus Perez. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 1190-1191.	2.5	1
70	In vivo and in vitro Approaches Reveal Novel Insight Into the Ability of Epicardium-Derived Cells to Create Their Own Extracellular Environment. Frontiers in Cardiovascular Medicine, 2019, 6, 81.	1.1	7
71	Autophagy contributes to BMP type 2 receptor degradation andÂdevelopment of pulmonary arterial hypertension. Journal of Pathology, 2019, 249, 356-367.	2.1	30
72	Prevention of progression of pulmonary hypertension by the Nur77 agonist 6-mercaptopurine: role of BMP signalling. European Respiratory Journal, 2019, 54, 1802400.	3.1	25

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73	Endothelial Colony Forming Cells as an Autologous Model to Study Endothelial Dysfunction in Patients with a Bicuspid Aortic Valve. International Journal of Molecular Sciences, 2019, 20, 3251.	1.8	6
74	A proteome comparison between human fetal and mature renal extracellular matrix identifies EMILIN1 as a regulator of renal epithelial cell adhesion. Matrix Biology Plus, 2019, 4, 100011.	1.9	13
75	Injectable Supramolecular Ureidopyrimidinone Hydrogels Provide Sustained Release of Extracellular Vesicle Therapeutics. Advanced Healthcare Materials, 2019, 8, e1900847.	3.9	61
76	Effects of 6-mercaptopurine in pressure overload induced right heart failure. PLoS ONE, 2019, 14, e0225122.	1.1	8
77	Generation of Fibrodysplasia ossificans progressiva and control integration free iPSC lines from periodontal ligament fibroblasts. Stem Cell Research, 2019, 41, 101639.	0.3	7
78	Development of Macrocycle Kinase Inhibitors for ALK2 Using Fibrodysplasia Ossificans Progressivaâ€Derived Endothelial Cells. JBMR Plus, 2019, 3, e10230.	1.3	26
79	Pathogenic effect of a TGFBR1 mutation in a family with Loeysâ€“Dietz syndrome. Molecular Genetics & Genomic Medicine, 2019, 7, e00943.	0.6	3
80	Cardiomyocyte Progenitor Cells as a Functional Gene Delivery Vehicle for Long-Term Biological Pacing. Molecules, 2019, 24, 181.	1.7	7
81	Multicenter Preclinical Validation of BET Inhibition for the Treatment of Pulmonary Arterial Hypertension. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 910-920.	2.5	100
82	The role of hemodynamics in bicuspid aortopathy: a histopathologic study. Cardiovascular Pathology, 2019, 41, 29-37.	0.7	23
83	Reactivating endogenous mechanisms of cardiac regeneration via paracrine boosting using the human amniotic fluid stem cell secretome. International Journal of Cardiology, 2019, 287, 87-95.	0.8	57
84	Human iPSC-Derived Retinas Recapitulate the Fetal CRB1 CRB2 Complex Formation and Demonstrate that Photoreceptors and MÃ¼ller Glia Are Targets of AAV5. Stem Cell Reports, 2019, 12, 906-919.	2.3	75
85	Identification of atrial fibrillation associated genes and functional non-coding variants. Nature Communications, 2019, 10, 4755.	5.8	64
86	Inflammation induces endothelialâ€toâ€mesenchymal transition and promotes vascular calcification through downregulation of BMPR2. Journal of Pathology, 2019, 247, 333-346.	2.1	123
87	Immunofluorescent Visualization of BMP Signaling Activation on Paraffin-Embedded Tissue Sections. Methods in Molecular Biology, 2019, 1891, 191-200.	0.4	2
88	Cardiac Progenitor Cellâ€“Derived Extracellular Vesicles Reduce Infarct Size and Associate with Increased Cardiovascular Cell Proliferation. Journal of Cardiovascular Translational Research, 2019, 12, 5-17.	1.1	53
89	Bone Morphogenetic Protein 9 Is a Mechanistic Biomarker of Portopulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 891-902.	2.5	69
90	Linkage Analysis of Transvalvular Flow Patterns, Histopathology, and Target Gene Expression in Aortic Valve Disease. , 2019, 67, .		0

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91	The morphological and molecular mechanisms of epithelial/endothelial-to-mesenchymal transition and its involvement in atherosclerosis. Vascular Pharmacology, 2018, 106, 1-8.	1.0	77
92	Endothelial dysfunction in pulmonary arterial hypertension: loss of cilia length regulation upon cytokine stimulation. Pulmonary Circulation, 2018, 8, 1-9.	0.8	27
93	MicroRNA-221/222 Family Counteracts Myocardial Fibrosis in Pressure Overloadâ€“Induced Heart Failure. Hypertension, 2018, 71, 280-288.	1.3	128
94	Structural and cellular mechanisms of peptidyl-prolyl isomerase Pin1-mediated enhancement of Tissue Factor gene expression, protein half-life, and pro-coagulant activity. Haematologica, 2018, 103, 1073-1082.	1.7	13
95	TGF-Î² Signaling in Control of Cardiovascular Function. Cold Spring Harbor Perspectives in Biology, 2018, 10, a022210.	2.3	238
96	Bone Morphogenetic Proteins in Vascular Homeostasis and Disease. Cold Spring Harbor Perspectives in Biology, 2018, 10, a031989.	2.3	118
97	TGFÎ² pathway deregulation and abnormal phosphoâ€SMAD2/3 staining in hereditary cerebral hemorrhage with amyloidosisâ€Dutch type. Brain Pathology, 2018, 28, 495-506.	2.1	15
98	The epicardium as a source of multipotent adult cardiac progenitor cells: Their origin, role and fate. Pharmacological Research, 2018, 127, 129-140.	3.1	89
99	Contribution of Impaired Parasympathetic Activity to Right Ventricular Dysfunction and Pulmonary Vascular Remodeling in Pulmonary Arterial Hypertension. Circulation, 2018, 137, 910-924.	1.6	83
100	Nos3 mutation leads to abnormal neural crest cell and second heart field lineage patterning in bicuspid aortic valve formation. DMM Disease Models and Mechanisms, 2018, 11, .	1.2	37
101	Development of a patient-specific 3-Dimensional cell model to study right heart failure. Journal of Molecular and Cellular Cardiology, 2018, 120, 48.	0.9	0
102	Pulmonary Arterial Hypertension and Hereditary Haemorrhagic Telangiectasia. International Journal of Molecular Sciences, 2018, 19, 3203.	1.8	32
103	TGF-Î² and BMPR2 Signaling in PAH: Two Black Sheep in One Family. International Journal of Molecular Sciences, 2018, 19, 2585.	1.8	78
104	A local uPAR-plasmin-TGFÎ²1 positive feedback loop in a qualitative computational model of angiogenic sprouting explains the in vitro effect of fibrinogen variants. PLoS Computational Biology, 2018, 14, e1006239.	1.5	3
105	The Isolation and Culture of Primary Epicardial Cells Derived from Human Adult and Fetal Heart Specimens. Journal of Visualized Experiments, 2018, , .	0.2	15
106	Perivascular Adipose Tissue Controls Insulin-Stimulated Perfusion and Glucose Uptake in Muscle through Adipomuscular Microvascular Anastomoses. Diabetes, 2018, 67, .	0.3	0
107	Pharmacological activation of Nur77 enhances BMP signalling and inhibits vascular remodelling in pulmonary arterial hypertension. , 2018, , .		0
108	Defined Engineered Human Myocardium With Advanced Maturation for Applications in Heart Failure Modeling and Repair. Circulation, 2017, 135, 1832-1847.	1.6	462

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109	Higher functionality of extracellular vesicles isolated using size-exclusion chromatography compared to ultracentrifugation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 2061-2065.	1.7	268
110	BMP-9 interferes with liver regeneration and promotes liver fibrosis. Gut, 2017, 66, 939-954.	6.1	107
111	The Microvasculature. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 10-12.	1.1	5
112	Long-term self-renewing human epicardial cells generated from pluripotent stem cells under defined xeno-free conditions. Nature Biomedical Engineering, 2017, 1, .	11.6	86
113	Spheroid three-dimensional culture enhances Notch signaling in cardiac progenitor cells. MRS Communications, 2017, 7, 496-501.	0.8	6
114	Cardiac Progenitor-Cell Derived Exosomes as Cell-Free Therapeutic for Cardiac Repair. Advances in Experimental Medicine and Biology, 2017, 998, 207-219.	0.8	20
115	Preeclampsia and coronary plaque erosion: Manifestations of endothelial dysfunction resulting in cardiovascular events in women. European Journal of Pharmacology, 2017, 816, 129-137.	1.7	29
116	Glycosylated Cell Surface Markers for the Isolation of Human Cardiac Progenitors. Stem Cells and Development, 2017, 26, 1552-1565.	1.1	3
117	Mimicking Cardiac Fibrosis in a Dish: Fibroblast Density Rather than Collagen Density Weakens Cardiomyocyte Function. Journal of Cardiovascular Translational Research, 2017, 10, 116-127.	1.1	38
118	TGFÎ²1-induced SMAD2/3 and SMAD1/5 phosphorylation are both ALK5-kinase-dependent in primary chondrocytes and mediated by TAK1 kinase activity. Arthritis Research and Therapy, 2017, 19, 112.	1.6	49
119	Phenotypic Screen for Cardiac Regeneration Identifies Molecules with Differential Activity in Human Epicardium-Derived Cells versus Cardiac Fibroblasts. ACS Chemical Biology, 2017, 12, 132-141.	1.6	17
120	Leukocyte-Associated Immunoglobulin-like Receptor-1 is regulated in human myocardial infarction but its absence does not affect infarct size in mice. Scientific Reports, 2017, 7, 18039.	1.6	8
121	Bone Morphogenetic Protein 9 Protects against Neonatal Hyperoxia-Induced Impairment of Alveolarization and Pulmonary Inflammation. Frontiers in Physiology, 2017, 8, 486.	1.3	31
122	Thoracic Aortic Aneurysm Development in Patients with Bicuspid Aortic Valve: What Is the Role of Endothelial Cells?. Frontiers in Physiology, 2017, 8, 938.	1.3	30
123	ALK1Fc Suppresses the Human Prostate Cancer Growth in in Vitro and in Vivo Preclinical Models. Frontiers in Cell and Developmental Biology, 2017, 5, 104.	1.8	3
124	Inhibiting DPP4 in a mouse model of HHT1 results in a shift towards regenerative macrophages and reduces fibrosis after myocardial infarction. PLoS ONE, 2017, 12, e0189805.	1.1	6
125	The effects of hemodynamics on the inner layers of the aortic wall in patients with a bicuspid aortic valve. Integrative Molecular Medicine, 2017, 4, .	0.3	13
126	Effects of ALK1Fc treatment on prostate cancer cells interacting with bone and bone cells in bone metastasis models.. Journal of Clinical Oncology, 2017, 35, e16576-e16576.	0.8	0

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127	Bone morphogenetic protein 9 protects against neonatal hyperoxia-induced impairment of lung development, inflammation and fibrosis. , 2017, , .		0
128	The effect of 6-mercaptopurine treatment on experimentally induced pulmonary arterial hypertension. , 2017, , .		0
129	Part and Parcel of the Cardiac Autonomic Nerve System: Unravelling Its Cellular Building Blocks during Development. Journal of Cardiovascular Development and Disease, 2016, 3, 28.	0.8	33
130	Comparative transcriptomic analysis identifies genes differentially expressed in human epicardial progenitors and hiPSC-derived cardiac progenitors. Physiological Genomics, 2016, 48, 771-784.	1.0	2
131	Plaque neovessel maturation enhancement by VEGFR2 blockade reduces intraplaque haemorrhage. Atherosclerosis, 2016, 244, e6.	0.4	0
132	Bone Morphogenetic Protein Receptor Type 2 Mutation in Pulmonary Arterial Hypertension. Circulation, 2016, 133, 1747-1760.	1.6	75
133	Response by van der Bruggen et al to Letter Regarding Article, â€œBone Morphogenetic Protein Receptor Type 2 Mutation in Pulmonary Arterial Hypertension: A View on the Right Ventricleâ€• Circulation, 2016, 134, e117-8.	1.6	0
134	Cardiomyocyte progenitor cell mechanoresponse unrevealed: strain avoidance and mechanosome development. Integrative Biology (United Kingdom), 2016, 8, 991-1001.	0.6	21
135	Exosomes from Cardiomyocyte Progenitor Cells and Mesenchymal Stem Cells Stimulate Angiogenesis Via EMMPRIN. Advanced Healthcare Materials, 2016, 5, 2555-2565.	3.9	158
136	Human fetal and adult epicardial-derived cells: a novel model to study their activation. Stem Cell Research and Therapy, 2016, 7, 174.	2.4	45
137	Measuring the primary cilium length: improved method for unbiased high-throughput analysis. Cilia, 2016, 5, 7.	1.8	66
138	Inhibition of TGFÎ² type I receptor activity facilitates liver regeneration upon acute CCl4 intoxication in mice. Archives of Toxicology, 2016, 90, 347-357.	1.9	33
139	Expression of TGFÎ²-family signalling components in ageing cartilage: age-related loss of TGFÎ² and BMP receptors. Osteoarthritis and Cartilage, 2016, 24, 1235-1245.	0.6	38
140	Cardiac Stem Cell Treatment in Myocardial Infarction. Circulation Research, 2016, 118, 1223-1232.	2.0	138
141	The roadmap of WT1 protein expression in the human fetal heart. Journal of Molecular and Cellular Cardiology, 2016, 90, 139-145.	0.9	22
142	Age-dependent changes of stress and strain in the human heart valve and their relation with collagen remodeling. Acta Biomaterialia, 2016, 29, 161-169.	4.1	47
143	Environmental Influences on Endothelial to Mesenchymal Transition in Developing Implanted Cardiovascular Tissue-Engineered Grafts. Tissue Engineering - Part B: Reviews, 2016, 22, 58-67.	2.5	16
144	Activin Receptor-like Kinase 1 Ligand Trap Reduces Microvascular Density and Improves Chemotherapy Efficiency to Various Solid Tumors. Clinical Cancer Research, 2016, 22, 96-106.	3.2	47

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145	Interrogating TGF-Î² Function and Regulation in Endothelial Cells. Methods in Molecular Biology, 2016, 1344, 193-203.	0.4	11
146	Targeting BMP signalling in cardiovascular disease and anaemia. Nature Reviews Cardiology, 2016, 13, 106-120.	6.1	193
147	Histopathology of aortic complications in bicuspid aortic valve versus Marfan syndrome: relevance for therapy?. Heart and Vessels, 2016, 31, 795-806.	0.5	40
148	Age-Dependent Changes in Geometry, Tissue Composition and Mechanical Properties of Fetal to Adult Cryopreserved Human Heart Valves. PLoS ONE, 2016, 11, e0149020.	1.1	48
149	The Derivation of Primary Human Epicardiumâ€Derived Cells. Current Protocols in Stem Cell Biology, 2015, 35, 2C.5.1-2C.5.12.	3.0	11
150	Culturing Mouse Cardiac Valves in the Miniature Tissue Culture System. Journal of Visualized Experiments, 2015, , e52750.	0.2	5
151	Regional differences in WT-1 and Tcf21 expression during ventricular development: implications for myocardial compaction. PLoS ONE, 2015, 10, e0136025.	1.1	22
152	Xenotransplantation of Human Cardiomyocyte Progenitor Cells Does Not Improve Cardiac Function in a Porcine Model of Chronic Ischemic Heart Failure. Results from a Randomized, Blinded, Placebo Controlled Trial. PLoS ONE, 2015, 10, e0143953.	1.1	17
153	The epicardium as modulator of the cardiac autonomic response during early development. Journal of Molecular and Cellular Cardiology, 2015, 89, 251-259.	0.9	13
154	Functional maturation of human pluripotent stem cell derived cardiomyocytes inÂvitro â€“ Correlation between contraction force andÂelectrophysiology. Biomaterials, 2015, 51, 138-150.	5.7	176
155	The high affinity ALK1-ligand BMP9 induces a hypertrophy-like state in chondrocytes that is antagonized by TGFÎ²1. Osteoarthritis and Cartilage, 2015, 23, 985-995.	0.6	26
156	Mononuclear cells and vascular repair in HHT. Frontiers in Genetics, 2015, 6, 114.	1.1	28
157	Mutations in a TGF-Î² Ligand, TGFB3, CauseÂSyndromic Aortic Aneurysms andÂDissections. Journal of the American College of Cardiology, 2015, 65, 1324-1336.	1.2	238
158	SLUG Is Expressed in Endothelial Cells Lacking Primary Cilia to Promote Cellular Calcification. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 616-627.	1.1	44
159	mAb C19 targets a novel surface marker for the isolation of human cardiac progenitor cells from human heart tissue and differentiated hESCs. Journal of Molecular and Cellular Cardiology, 2015, 82, 228-237.	0.9	7
160	Cardiac endothelial cells express Wilms' tumor-1. Journal of Molecular and Cellular Cardiology, 2015, 81, 127-135.	0.9	90
161	Behavior of CMPCs in unidirectional constrained and stress-free 3D hydrogels. Journal of Molecular and Cellular Cardiology, 2015, 87, 79-91.	0.9	24
162	Abstract 1370: Activin receptor-like kinase 1 ligand trap reduces microvascular density and improves chemotherapy efficiency to various solid tumors. , 2015, , .		1

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163	Regulatory RNAs controlling vascular (dys)function by affecting TGF-ÃŸ family signalling. EXCLI Journal, 2015, 14, 832-50.	0.5	8
164	Balancing TGFbeta/BMP in pulmonary arterial hypertension. , 2015, , .		0
165	Nuclear receptor NR4A1 promotes breast cancer invasion and metastasis by activating TGF-Î² signalling. Nature Communications, 2014, 5, 3388.	5.8	156
166	Normal and abnormal development of the aortic wall and valve: correlation with clinical entities. Netherlands Heart Journal, 2014, 22, 363-369.	0.3	24
167	Novel Ex Vivo Culture Method for the Study of Dupuytren's Disease: Effects of TGFÎ² Type 1 Receptor Modulation by Antisense Oligonucleotides. Molecular Therapy - Nucleic Acids, 2014, 3, e142.	2.3	24
168	Bicuspid aortic valve: phosphorylation of c-Kit and downstream targets are prognostic for future aortopathy. European Journal of Cardio-thoracic Surgery, 2014, 46, 831-839.	0.6	35
169	A multistep procedure to prepare pre-vascularized cardiac tissue constructs using adult stem sells, dynamic cell cultures, and porous scaffolds. Frontiers in Physiology, 2014, 5, 210.	1.3	23
170	Hippo Pathway Effectors Control Cardiac Progenitor Cell Fate by Acting as Dynamic Sensors of Substrate Mechanics and Nanostructure. ACS Nano, 2014, 8, 2033-2047.	7.3	127
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