

# Jesper Hjortnaes

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,436  
citations

393982

19  
h-index

525886

27  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2315  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipoprotein(a) and Oxidized Phospholipids Promote Valve Calcification in Patients With Aortic Stenosis. <i>Journal of the American College of Cardiology</i> , 2019, 73, 2150-2162.	1.2	187
2	Arterial and aortic valve calcification inversely correlates with osteoporotic bone remodelling: a role for inflammation. <i>European Heart Journal</i> , 2010, 31, 1975-1984.	1.0	180
3	Valvular interstitial cells suppress calcification of valvular endothelial cells. <i>Atherosclerosis</i> , 2015, 242, 251-260.	0.4	135
4	Tri-layered elastomeric scaffolds for engineering heart valve leaflets. <i>Biomaterials</i> , 2014, 35, 7774-7785.	5.7	131
5	Engineered 3D Cardiac Fibrotic Tissue to Study Fibrotic Remodeling. <i>Advanced Healthcare Materials</i> , 2017, 6, 1601434.	3.9	85
6	Oxygen-Generating Photo-Cross-Linkable Hydrogels Support Cardiac Progenitor Cell Survival by Reducing Hypoxia-Induced Necrosis. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1964-1971.	2.6	82
7	Engineering a 3D-Bioprinted Model of Human Heart Valve Disease Using Nanoindentation-Based Biomechanics. <i>Nanomaterials</i> , 2018, 8, 296.	1.9	81
8	Simulation of early calcific aortic valve disease in a 3D platform: A role for myofibroblast differentiation. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 94, 13-20.	0.9	70
9	Directing Valvular Interstitial Cell Myofibroblast-Like Differentiation in a Hybrid Hydrogel Platform. <i>Advanced Healthcare Materials</i> , 2015, 4, 121-130.	3.9	66
10	Mortality after cardiac surgery in patients with liver cirrhosis classified by the Child-Pugh score. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2015, 20, 520-530.	0.5	55
11	The relation between systemic inflammation and incident cancer in patients with stable cardiovascular disease: a cohort study. <i>European Heart Journal</i> , 2019, 40, 3901-3909.	1.0	54
12	Visualizing novel concepts of cardiovascular calcification. <i>Trends in Cardiovascular Medicine</i> , 2013, 23, 71-79.	2.3	37
13	Intravital Molecular Imaging of Small-Diameter Tissue-Engineered Vascular Grafts in Mice: A Feasibility Study. <i>Tissue Engineering - Part C: Methods</i> , 2010, 16, 597-607.	1.1	35
14	Translating Autologous Heart Valve Tissue Engineering from Bench to Bed. <i>Tissue Engineering - Part B: Reviews</i> , 2009, 15, 307-317.	2.5	31
15	Myocardial Disease and Long-Distance Space Travel: Solving the Radiation Problem. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 631985.	1.1	28
16	Anti-fibrotic Effects of Cardiac Progenitor Cells in a 3D-Model of Human Cardiac Fibrosis. <i>Frontiers in Cardiovascular Medicine</i> , 2019, 6, 52.	1.1	27
17	Comparative Histopathological Analysis of Mitral Valves in Barlow Disease and Fibroelastic Deficiency. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2016, 28, 757-767.	0.4	25
18	Modeling the Human Scarred Heart In Vitro: Toward New Tissue Engineered Models. <i>Advanced Healthcare Materials</i> , 2017, 6, 1600571.	3.9	25

#	ARTICLE	IF	CITATIONS
19	Massive expansion and cryopreservation of functional human induced pluripotent stem cell-derived cardiomyocytes. STAR Protocols, 2021, 2, 100334.	0.5	24
20	Pirfenidone Has Anti-fibrotic Effects in a Tissue-Engineered Model of Human Cardiac Fibrosis. Frontiers in Cardiovascular Medicine, 2022, 9, 854314.	1.1	16
21	Integrative Multi-Omics Analysis in Calcific Aortic Valve Disease Reveals a Link to the Formation of Amyloid-Like Deposits. Cells, 2020, 9, 2164.	1.8	15
22	Controlled delivery of gold nanoparticle-coupled miRNA therapeutics via an injectable self-healing hydrogel. Nanoscale, 2021, 13, 20451-20461.	2.8	15
23	Advanced In Vitro Modeling to Study the Paradox of Mechanically Induced Cardiac Fibrosis. Tissue Engineering - Part C: Methods, 2021, 27, 100-114.	1.1	9
24	Identification of thoracic injuries by emergency medical services providers among trauma patients. Injury, 2019, 50, 1036-1041.	0.7	6
25	Radiation Induces Valvular Interstitial Cell Calcific Response in an in vitro Model of Calcific Aortic Valve Disease. Frontiers in Cardiovascular Medicine, 2021, 8, 687885.	1.1	6
26	Sarcomere Disassembly and Transfection Efficiency in Proliferating Human iPSC-Derived Cardiomyocytes. Journal of Cardiovascular Development and Disease, 2022, 9, 43.	0.8	5
27	Calcific Aortic Valve Disease. , 2011, , .		3
28	Superimposed Tissue Formation in Human Aortic Valve Disease: Differences between Regurgitant and Stenotic Valves. Journal of Cardiovascular Development and Disease, 2021, 8, 79.	0.8	2
29	Editorial: Heart Valve Tissue Engineering: Are We Ready for Clinical Translation?. Frontiers in Cardiovascular Medicine, 2021, 8, 658719.	1.1	1
30	Surgical treatment of residual systolic anterior motion after otherwise successful percutaneous transluminal septal myocardial ablation: A case report. Journal of Thoracic and Cardiovascular Surgery, 2012, 144, 506-508.	0.4	0
31	Microfabricated gels for tissue engineering. , 0, , 317-331.		0
32	Tissue Engineering: Engineered 3D Cardiac Fibrotic Tissue to Study Fibrotic Remodeling (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	3.5	0
33	Computed tomography follow-up after elective proximal aortic surgery: Less is more?. American Heart Journal, 2022, 249, 66-75.	1.2	0