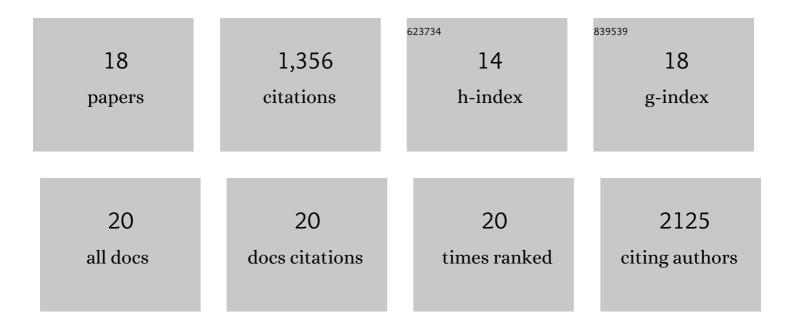
Berend J Van Meer

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Human-iPSC-Derived Cardiac Stromal Cells Enhance Maturation in 3D Cardiac Microtissues and Reveal Non-cardiomyocyte Contributions to Heart Disease. Cell Stem Cell, 2020, 26, 862-879.e11.	11.1	337
2	MUSCLEMOTION. Circulation Research, 2018, 122, e5-e16.	4.5	235
3	Three-dimensional cardiac microtissues composed of cardiomyocytes and endothelial cells co-differentiated from human pluripotent stem cells. Development (Cambridge), 2017, 144, 1008-1017.	2.5	216
4	Whole human heart histology to validate electroanatomical voltage mapping in patients with non-ischaemic cardiomyopathy and ventricular tachycardia. European Heart Journal, 2018, 39, 2867-2875.	2.2	113
5	Concise Review: Measuring Physiological Responses of Human Pluripotent Stem Cell Derived Cardiomyocytes to Drugs and Disease. Stem Cells, 2016, 34, 2008-2015.	3.2	74
6	Simultaneous measurement of excitation-contraction coupling parameters identifies mechanisms underlying contractile responses of hiPSC-derived cardiomyocytes. Nature Communications, 2019, 10, 4325.	12.8	51
7	Blinded, Multicenter Evaluation of Drug-induced Changes in Contractility Using Human-induced Pluripotent Stem Cell-derived Cardiomyocytes. Toxicological Sciences, 2020, 176, 103-123.	3.1	51
8	A cardiomyocyte show of force: A fluorescent alpha-actinin reporter line sheds light on human cardiomyocyte contractility versus substrate stiffness. Journal of Molecular and Cellular Cardiology, 2020, 141, 54-64.	1.9	42
9	Cardiac Tissues From Stem Cells. Circulation Research, 2021, 128, 775-801.	4.5	42
10	Building blocks for a European Organ-on-Chip roadmap. ALTEX: Alternatives To Animal Experimentation, 2019, 36, 481-492.	1.5	41
11	Cytostretch, an Organ-on-Chip Platform. Micromachines, 2016, 7, 120.	2.9	38
12	Altered calcium handling and increased contraction force in human embryonic stem cell derived cardiomyocytes following short term dexamethasone exposure. Biochemical and Biophysical Research Communications, 2015, 467, 998-1005.	2.1	28
13	Unlocking Personalized Biomedicine and Drug Discovery with Human Induced Pluripotent Stem Cell–Derived Cardiomyocytes: Fit for Purpose or Forever Elusive?. Annual Review of Pharmacology and Toxicology, 2020, 60, 529-551.	9.4	28
14	lsogenic Sets of hiPSC-CMs Harboring Distinct KCNH2 Mutations Differ Functionally and in Susceptibility to Drug-Induced Arrhythmias. Stem Cell Reports, 2020, 15, 1127-1139.	4.8	23
15	Quantification of Muscle Contraction <i>In Vitro</i> and <i>In Vivo</i> Using MUSCLEMOTION Software: From Stem Cellâ€Derived Cardiomyocytes to Zebrafish and Human Hearts. Current Protocols in Human Genetics, 2018, 99, e67.	3.5	14
16	Facilitating implementation of organs-on-chips by open platform technology. Biomicrofluidics, 2021, 15, 051301.	2.4	10
17	Fabrication and Characterization of an Upside-Down Carbon Nanotube Microelectrode Array. IEEE Sensors Journal, 2016, 16, 8685-8691.	4.7	8
18	Optogenetic Reporters Delivered as mRNA Facilitate Repeatable Action Potential and Calcium Handling Assessment in Human iPSC-Derived Cardiomyocytes. Stem Cells, 2022, 40, 655-668.	3.2	3