Berend J Van Meer

List of Publications by Year
in descending order

18	1,356	623734 14	839539 18
papers	citations	h-index	g-index

20	20	20	2125
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Cardiac Tissues From Stem Cells. Circulation Research, 2021, 128, 775-801.	4.5	42
3	Facilitating implementation of organs-on-chips by open platform technology. Biomicrofluidics, 2021, 15, 051301.	2.4	10
4	Unlocking Personalized Biomedicine and Drug Discovery with Human Induced Pluripotent Stem Cellâ€“Derived Cardiomyocytes: Fit for Purpose or Forever Elusive?. Annual Review of Pharmacology and Toxicology, 2020, 60, 529-551.	9.4	28
5	Isogenic 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
6	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
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	Simultaneous measurement of excitation-contraction coupling parameters identifies mechanisms underlying contractile responses of hiPSC-derived cardiomyocytes. Nature Communications, 2019, 10, 4325.	12.8	51
10	Building blocks for a European Organ-on-Chip roadmap. ALTEX: Alternatives To Animal Experimentation, 2019, 36, 481-492.	1.5	41
11	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
12	MUSCLEMOTION. Circulation Research, 2018, 122, e5-e16.	4.5	235
13	Quantification of Muscle Contraction In Vitro and In Vivo Using MUSCLEMOTION Software: From Stem Cellâ€Derived Cardiomyocytes to Zebrafish and Human Hearts. Current Protocols in Human Genetics, 2018, 99, e67.	3.5	14
14	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
15	Cytostretch, an Organ-on-Chip Platform. Micromachines, 2016, 7, 120.	2.9	38
16	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
17	Fabrication and Characterization of an Upside-Down Carbon Nanotube Microelectrode Array. IEEE Sensors Journal, 2016, 16, 8685-8691.	4.7	8
18	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