

Berend J Van Meer

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,356
citations

623734

14
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839539

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20
docs citations

20
times ranked

2125
citing authors

#	ARTICLE	IF	CITATIONS
1	Human-iPSC-Derived Cardiac Stromal Cells Enhance Maturation in 3D Cardiac Microtissues and Reveal Non-cardiomyocyte Contributions to Heart Disease. <i>Cell Stem Cell</i> , 2020, 26, 862-879.e11.	11.1	337
2	MUSCLEMOTION. <i>Circulation Research</i> , 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. <i>Development (Cambridge)</i> , 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. <i>European Heart Journal</i> , 2018, 39, 2867-2875.	2.2	113
5	Concise Review: Measuring Physiological Responses of Human Pluripotent Stem Cell Derived Cardiomyocytes to Drugs and Disease. <i>Stem Cells</i> , 2016, 34, 2008-2015.	3.2	74
6	Simultaneous measurement of excitation-contraction coupling parameters identifies mechanisms underlying contractile responses of hiPSC-derived cardiomyocytes. <i>Nature Communications</i> , 2019, 10, 4325.	12.8	51
7	Blinded, Multicenter Evaluation of Drug-induced Changes in Contractility Using Human-induced Pluripotent Stem Cell-derived Cardiomyocytes. <i>Toxicological Sciences</i> , 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. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 141, 54-64.	1.9	42
9	Cardiac Tissues From Stem Cells. <i>Circulation Research</i> , 2021, 128, 775-801.	4.5	42
10	Building blocks for a European Organ-on-Chip roadmap. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019, 36, 481-492.	1.5	41
11	Cytostretch, an Organ-on-Chip Platform. <i>Micromachines</i> , 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. <i>Biochemical and Biophysical Research Communications</i> , 2015, 467, 998-1005.	2.1	28
13	Unlocking Personalized Biomedicine and Drug Discovery with Human Induced Pluripotent Stem Cellâ€Derived Cardiomyocytes: Fit for Purpose or Forever Elusive?. <i>Annual Review of Pharmacology and Toxicology</i> , 2020, 60, 529-551.	9.4	28
14	Isogenic Sets of hiPSC-CMs Harboring Distinct KCNH2 Mutations Differ Functionally and in Susceptibility to Drug-Induced Arrhythmias. <i>Stem Cell Reports</i> , 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. <i>Current Protocols in Human Genetics</i> , 2018, 99, e67.	3.5	14
16	Facilitating implementation of organs-on-chips by open platform technology. <i>Biomicrofluidics</i> , 2021, 15, 051301.	2.4	10
17	Fabrication and Characterization of an Upside-Down Carbon Nanotube Microelectrode Array. <i>IEEE Sensors Journal</i> , 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. <i>Stem Cells</i> , 2022, 40, 655-668.	3.2	3