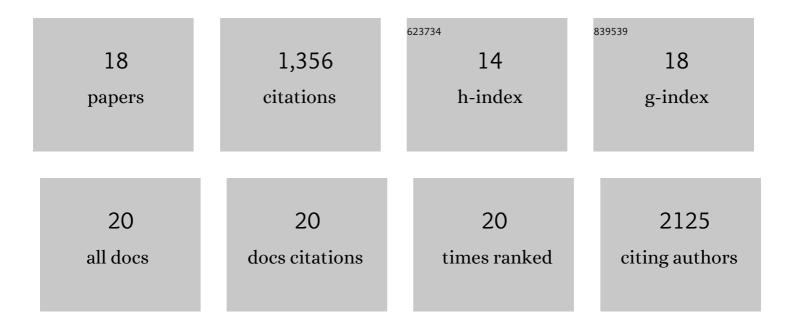
Berend J Van Meer

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 |