Sebastian Diecke

List of Publications by Year
in descending order

36 papers	4,133 citations	218592 26 h-index	345118 36 g-index
38 all docs	38 docs citations	38 times ranked	7282 citing authors

#	Article	IF	Citations
1	Chemically defined generation of human cardiomyocytes. Nature Methods, 2014, 11, 855-860.	9.0	1,320
2	Drug Screening Using a Library of Human Induced Pluripotent Stem Cellâ€“Derived Cardiomyocytes Reveals Disease-Specific Patterns of Cardiotoxicity. Circulation, 2013, 127, 1677-1691.	1.6	472
3	The Translational Landscape of the Human Heart. Cell, 2019, 178, 242-260.e29.	13.5	407
4	Eâ€cadherin is crucial for embryonic stem cell pluripotency and can replace OCT4 during somatic cell reprogramming. EMBO Reports, 2011, 12, 720-726.	2.0	260
5	Transplanted terminally differentiated induced pluripotent stem cells are accepted by immune mechanisms similar to self-tolerance. Nature Communications, 2014, 5, 3903.	5.8	148
6	Activation of PDGF pathway links LMNA mutation to dilated cardiomyopathy. Nature, 2019, 572, 335-340.	13.7	136
7	Electroconductive Biohybrid Hydrogel for Enhanced Maturation and Beating Properties of Engineered Cardiac Tissues. Advanced Functional Materials, 2018, 28, 1803951.	7.8	135
8	Human Induced Pluripotent Stem Cellâ€“Derived Cardiomyocytes as an In Vitro Model for Coxsackievirus B3â€“Induced Myocarditis and Antiviral Drug Screening Platform. Circulation Research, 2014, 115, 556-566.	2.0	134
9	The Role of SIRT6 Protein in Aging and Reprogramming of Human Induced Pluripotent Stem Cells. Journal of Biological Chemistry, 2013, 288, 18439-18447.	1.6	113
10	Improved Approach for Chondrogenic Differentiation of Human Induced Pluripotent Stem Cells. Stem Cell Reviews and Reports, 2015, 11, 242-253.	5.6	99
11	Rewinding the process of mammalian extinction. Zoo Biology, 2016, 35, 280-292.	0.5	99
12	Characterization of the molecular mechanisms underlying increased ischemic damage in the <i>aldehyde dehydrogenase 2</i> genetic polymorphism using a human induced pluripotent stem cell model system. Science Translational Medicine, 2014, 6, 255ra130.	5.8	84
13	Microfluidic Single-Cell Analysis of Transplanted Human Induced Pluripotent Stem Cellâ€“Derived Cardiomyocytes After Acute Myocardial Infarction. Circulation, 2015, 132, 762-771.	1.6	77
14	Embryos and embryonic stem cells from the white rhinoceros. Nature Communications, 2018, 9, 2589.	5.8	73
15	A Comprehensive TALEN-Based Knockout Library for Generating Human-Induced Pluripotent Stem Cellâ€“Based Models for Cardiovascular Diseases. Circulation Research, 2017, 120, 1561-1571.	2.0	56
16	Novel codon-optimized mini-intronic plasmid for efficient, inexpensive and xeno-free induction of pluripotency. Scientific Reports, 2015, 5, 8081.	1.6	51
17	Pravastatin reverses obesity-induced dysfunction of induced pluripotent stem cell-derived endothelial cells via a nitric oxide-dependent mechanism. European Heart Journal, 2015, 36, 806-816.	1.0	40
18	Reprogramming and transdifferentiation for cardiovascular development and regenerative medicine: where do we stand?. EMBO Molecular Medicine, 2015, 7, 1090-1103.	3.3	38

#	Article	IF	Citations
19	Transcriptomic and epigenomic differences in human induced pluripotent stem cells generated from six reprogramming methods. Nature Biomedical Engineering, 2017, 1, 826-837.	11.6	38
20	Endogenous Retrovirus-Derived lncRNA BANCR Promotes Cardiomyocyte Migration in Humans and Non-human Primates. Developmental Cell, 2020, 54, 694-709.e9.	3.1	37
21	Modeling Cardiovascular Diseases with Patient-Specific Human Pluripotent Stem Cell-Derived Cardiomyocytes. Methods in Molecular Biology, 2015, 1353, 119-130.	0.4	35
22	A cellular model of Brugada syndrome with SCN10A variants using human-induced pluripotent stem cell-derived cardiomyocytes. Europace, 2019, 21, 1410-1421.	0.7	33
23	Recent technological updates and clinical applications of induced pluripotent stem cells. Korean Journal of Internal Medicine, 2014, 29, 547.	0.7	32
24	Costimulation-adhesion blockade is superior to Cyclosporine A and prednisone immunosuppressive therapy for preventing rejection of differentiated human embryonic stem cells following transplantation. Stem Cells, 2013, 31, 2354-2363.	1.4	31
25	Alloimmune Responses of Humanized Mice to Human Pluripotent Stem Cell Therapeutics. Cell Reports, 2017, 20, 1978-1990.	2.9	31
26	The ART of bringing extinction to a freeze â€“ History and future of species conservation, exemplified by rhinos. Theriogenology, 2021, 169, 76-88.	0.9	30
27	Studying Brugada Syndrome With an SCN1B Variants in Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes. Frontiers in Cell and Developmental Biology, 2019, 7, 261.	1.8	29
28	FGF2 Signaling in Mouse Embryonic Fibroblasts Is Crucial for Self-Renewal of Embryonic Stem Cells. Cells Tissues Organs, 2008, 188, 52-61.	1.3	27
29	Serine biosynthesis as a novel therapeutic target for dilated cardiomyopathy. European Heart Journal, 2022, 43, 3477-3489.	1.0	23
30	Deciphering the pathogenic role of a variant with uncertain significance for short QT and Brugada syndromes using geneâ€edited humanâ€induced pluripotent stem cellâ€derived cardiomyocytes and preclinical drug screening. Clinical and Translational Medicine, 2021, 11, e646.	1.7	11
31	Simple Workflow and Comparison of Media for hPSCâ€Cardiomyocyte Cryopreservation and Recovery. Current Protocols in Stem Cell Biology, 2020, 55, e125.	3.0	7
32	Second Generation Codon Optimized Minicircle (CoMiC) for Nonviral Reprogramming of Human Adult Fibroblasts. Methods in Molecular Biology, 2014, 1181, 1-13.	0.4	7
33	Assessment of Ethanol-Induced Toxicity on iPSC-Derived Human Neurons Using a Novel High-Throughput Mitochondrial Neuronal Health (MNH) Assay. Frontiers in Cell and Developmental Biology, 2020, 8, 590540.	1.8	6
34	NaÃ¯ve-like pluripotency to pave the way for saving the northern white rhinoceros from extinction. Scientific Reports, 2022, 12, 3100.	1.6	6
35	Pushing the Reset Button: Chemical-Induced Conversion of Amniotic Fluid Stem Cells Into a Pluripotent State. Molecular Therapy, 2012, 20, 1839-1841.	3.7	5
36	Disruptors of AKAP-Dependent Proteinâ€“Protein Interactions. Methods in Molecular Biology, 2022, 2483, 117-139.	0.4	3