Olaf Bergmann

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7691218/publications.pdf

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42	11,696	331538	302012
papers	citations	21 h-index	39 g-index

48	48	48	16451
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evidence for Cardiomyocyte Renewal in Humans. Science, 2009, 324, 98-102.	6.0	2,679
2	Visualization and analysis of gene expression in tissue sections by spatial transcriptomics. Science, 2016, 353, 78-82.	6.0	1,983
3	Dynamics of fat cell turnover in humans. Nature, 2008, 453, 783-787.	13.7	1,914
4	Dynamics of Hippocampal Neurogenesis in Adult Humans. Cell, 2013, 153, 1219-1227.	13.5	1,523
5	Dynamics of Cell Generation and Turnover in the Human Heart. Cell, 2015, 161, 1566-1575.	13.5	923
6	A Spatiotemporal Organ-Wide Gene Expression and Cell Atlas of the Developing Human Heart. Cell, 2019, 179, 1647-1660.e19.	13.5	470
7	Dynamics of Oligodendrocyte Generation and Myelination in the Human Brain. Cell, 2014, 159, 766-774.	13.5	374
8	The Age of Olfactory Bulb Neurons in Humans. Neuron, 2012, 74, 634-639.	3.8	333
9	No Evidence for Cardiomyocyte Number Expansion in Preadolescent Mice. Cell, 2015, 163, 1026-1036.	13.5	204
10	Adult Neurogenesis in Humans. Cold Spring Harbor Perspectives in Biology, 2015, 7, a018994.	2.3	203
11	Identification of cardiomyocyte nuclei and assessment of ploidy for the analysis of cell turnover. Experimental Cell Research, 2011, 317, 188-194.	1.2	144
12	Polyploidy in Cardiomyocytes. Circulation Research, 2020, 126, 552-565.	2.0	120
13	Cardiomyocyte renewal in the human heart: insights from the fall-out. European Heart Journal, 2017, 38, 2333-2342.	1.0	109
14	The age and genomic integrity of neurons after cortical stroke in humans. Nature Neuroscience, 2014, 17, 801-803.	7.1	108
15	The H3K9 dimethyltransferases EHMT1/2 protect against pathological cardiac hypertrophy. Journal of Clinical Investigation, 2016, 127, 335-348.	3.9	99
16	Genetic manipulation of adult mouse neurogenic niches by in vivo electroporation. Nature Methods, 2008, 5, 189-196.	9.0	70
17	Notch induces cyclin-D1-dependent proliferation during a specific temporal window of neural differentiation in ES cells. Developmental Biology, 2010, 348, 153-166.	0.9	57
18	Isolation of Cardiomyocyte Nuclei from Post-mortem Tissue. Journal of Visualized Experiments, 2012, , .	0.2	46

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19	Cardiomyocyte Renewal in Humans. Circulation Research, 2012, 110, e17-8; author reply e19-21.	2.0	45
20	Inhibition of aquaporin-1 prevents myocardial remodeling by blocking the transmembrane transport of hydrogen peroxide. Science Translational Medicine, 2020, 12, .	5.8	39
21	Cardiac regeneration in vivo: Mending the heart from within?. Stem Cell Research, 2014, 13, 523-531.	0.3	33
22	Meningioma growth dynamics assessed by radiocarbon retrospective birth dating. EBioMedicine, 2018, 27, 176-181.	2.7	22
23	Diploid hepatocytes drive physiological liver renewal in adult humans. Cell Systems, 2022, 13, 499-507.e12.	2.9	22
24	Genes encoding ACE2, TMPRSS2 and related proteins mediating SARS-CoV-2 viral entry are upregulated with age in human cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2020, 147, 88-91.	0.9	21
25	Subthalamic high frequency stimulation induced rotations are differentially mediated by D1 and D2 receptors. Neuropharmacology, 2004, 46, 974-983.	2.0	20
26	Why Adults Need New Brain Cells. Science, 2013, 340, 695-696.	6.0	20
27	Dating the Heart: Exploring Cardiomyocyte Renewal in Humans. Physiology, 2017, 32, 33-41.	1.6	18
28	Evidence for postnatal neurogenesis in the human amygdala. Communications Biology, 2022, 5, 366.	2.0	18
29	Caught Red-Handed. Circulation Research, 2016, 118, 3-5.	2.0	10
30	Clearing up the mist: cardiomyocyte renewal in human hearts. European Heart Journal, 2019, 40, 1037-1038.	1.0	8
31	Printed elastic membranes for multimodal pacing and recording of human stem-cell-derived cardiomyocytes. Npj Flexible Electronics, 2020, 4, .	5.1	8
32	Cardiomyocytes in congenital heart disease: Overcoming cytokinesis failure in tetralogy of Fallot. Journal of Thoracic and Cardiovascular Surgery, 2021, 161, 1587-1590.	0.4	8
33	MSK-Mediated Phosphorylation of Histone H3 Ser28 Couples MAPK Signalling with Early Gene Induction and Cardiac Hypertrophy. Cells, 2022, 11, 604.	1.8	8
34	Identification and characterization of distinct cell cycle stages in cardiomyocytes using the FUCCI transgenic system. Experimental Cell Research, 2021, 408, 112880.	1.2	7
35	FUCCI-Based Live Imaging Platform Reveals Cell Cycle Dynamics and Identifies Pro-proliferative Compounds in Human iPSC-Derived Cardiomyocytes. Frontiers in Cardiovascular Medicine, 2022, 9, 840147.	1.1	6
36	Cycling Cardiomyocytes. Circulation Research, 2021, 128, 169-171.	2.0	5

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37	Dynamics of Fat Cell Turnover in Humans. Obstetrical and Gynecological Survey, 2008, 63, 577-578.	0.2	3
38	Cardiomyocyte renewal in the failing heart: lessons from the neonate?. Biophysical Reviews, 2020, 12, 785-787.	1.5	3
39	BRAP: a novel regulator of the cardiomyocyte cell cycle controlling both proliferation and survival?. Cardiovascular Research, 2020, 116, 467-469.	1.8	2
40	Diploid hepatocytes drive physiological liver renewal in adult humans. Journal of Hepatology, 2020, 73, S247.	1.8	1
41	Granulocyte-Macrophage Progenitors (GMPs) Express Low Adhesive Potential and High CXCR-4 Levels. Blood, 2013, 122, 3698-3698.	0.6	0
42	Abstract P036: Regional Characterization of Myocardial Renewal in Humans. Circulation Research, 2011, 109, .	2.0	0