

Sabine Dietmann

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

6,134
citations

186265

28
h-index

302126

39
g-index

41
all docs

41
docs citations

41
times ranked

8630
citing authors

#	ARTICLE	IF	CITATIONS
1	Human primary liver cancer-derived organoid cultures for disease modeling and drug screening. <i>Nature Medicine</i> , 2017, 23, 1424-1435.	30.7	905
2	SOX17 Is a Critical Specifier of Human Primordial Germ Cell Fate. <i>Cell</i> , 2015, 160, 253-268.	28.9	687
3	A Unique Gene Regulatory Network Resets the Human Germline Epigenome for Development. <i>Cell</i> , 2015, 161, 1453-1467.	28.9	556
4	Aberrant methylation of tRNA links cellular stress to neurodevelopmental disorders. <i>EMBO Journal</i> , 2014, 33, 2020-2039.	7.8	490
5	Specification and epigenetic programming of the human germ line. <i>Nature Reviews Genetics</i> , 2016, 17, 585-600.	16.3	352
6	Stem cell function and stress response are controlled by protein synthesis. <i>Nature</i> , 2016, 534, 335-340.	27.8	345
7	Principles of early human development and germ cell program from conserved model systems. <i>Nature</i> , 2017, 546, 416-420.	27.8	245
8	Epigenetic resetting of human pluripotency. <i>Development (Cambridge)</i> , 2017, 144, 2748-2763.	2.5	225
9	Artificial intelligence: A powerful paradigm for scientific research. <i>Innovation(China)</i> , 2021, 2, 100179.	9.1	200
10	Segregation of mitochondrial DNA heteroplasmy through a developmental genetic bottleneck in human embryos. <i>Nature Cell Biology</i> , 2018, 20, 144-151.	10.3	182
11	Deficient methylation and formylation of mt-tRNA ^{Met} wobble cytosine in a patient carrying mutations in NSUN3. <i>Nature Communications</i> , 2016, 7, 12039.	12.8	178
12	Genetic Exploration of the Exit from Self-Renewal Using Haploid Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2014, 14, 385-393.	11.1	170
13	Single cell transcriptome analysis of human, marmoset and mouse embryos reveals common and divergent features of preimplantation development. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	167
14	NANOG alone induces germ cells in primed epiblast in vitro by activation of enhancers. <i>Nature</i> , 2016, 529, 403-407.	27.8	148
15	Cytosine-5 RNA Methylation Regulates Neural Stem Cell Differentiation and Motility. <i>Stem Cell Reports</i> , 2017, 8, 112-124.	4.8	141
16	Functional Studies of Missense TREM2 Mutations in Human Stem Cell-Derived Microglia. <i>Stem Cell Reports</i> , 2018, 10, 1294-1307.	4.8	124
17	PRMT5 Protects Genomic Integrity during Global DNA Demethylation in Primordial Germ Cells and Preimplantation Embryos. <i>Molecular Cell</i> , 2014, 56, 564-579.	9.7	122
18	Chromatin dynamics and the role of G9a in gene regulation and enhancer silencing during early mouse development. <i>ELife</i> , 2015, 4, .	6.0	96

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19	Cytosine-5 RNA methylation links protein synthesis to cell metabolism. <i>PLoS Biology</i> , 2019, 17, e3000297.	5.6	87
20	A critical role of PRDM14 in human primordial germ cell fate revealed by inducible degrons. <i>Nature Communications</i> , 2020, 11, 1282.	12.8	71
21	Stem-cell-derived trophoblast organoids model human placental development and susceptibility to emerging pathogens. <i>Cell Stem Cell</i> , 2022, 29, 810-825.e8.	11.1	65
22	High-resolution transcriptional and morphogenetic profiling of cells from micropatterned human ESC gastruloid cultures. <i>ELife</i> , 2020, 9, .	6.0	62
23	NANOG Amplifies STAT3 Activation and They Synergistically Induce the Naive Pluripotent Program. <i>Current Biology</i> , 2014, 24, 340-346.	3.9	60
24	<i>TP53</i> mutations, tetraploidy and homologous recombination repair defects in early stage high-grade serous ovarian cancer. <i>Nucleic Acids Research</i> , 2015, 43, 6945-6958.	14.5	46
25	Derivation of hypermethylated pluripotent embryonic stem cells with high potency. <i>Cell Research</i> , 2018, 28, 22-34.	12.0	43
26	Codon usage optimization in pluripotent embryonic stem cells. <i>Genome Biology</i> , 2019, 20, 119.	8.8	43
27	Specification and epigenomic resetting of the pig germline exhibit conservation with the human lineage. <i>Cell Reports</i> , 2021, 34, 108735.	6.4	43
28	SRSF3 maintains transcriptome integrity in oocytes by regulation of alternative splicing and transposable elements. <i>Cell Discovery</i> , 2018, 4, 33.	6.7	40
29	Localized EMT reprograms glial progenitors to promote spinal cord repair. <i>Developmental Cell</i> , 2021, 56, 613-626.e7.	7.0	40
30	Identification of kidney injury- released circulating osteopontin as causal agent of respiratory failure. <i>Science Advances</i> , 2022, 8, eabm5900.	10.3	34
31	G9a regulates temporal preimplantation developmental program and lineage segregation in blastocyst. <i>ELife</i> , 2018, 7, .	6.0	30
32	Probing the signaling requirements for naive human pluripotency by high-throughput chemical screening. <i>Cell Reports</i> , 2021, 35, 109233.	6.4	28
33	Transcriptomic mapping uncovers Purkinje neuron plasticity driving learning. <i>Nature</i> , 2022, 605, 722-727.	27.8	24
34	Simultaneous paralogue knockout using a CRISPR-concatemer in mouse small intestinal organoids. <i>Developmental Biology</i> , 2016, 420, 271-277.	2.0	22
35	Gene expression dynamics underlying cell fate emergence in 2D micropatterned human embryonic stem cell gastruloids. <i>Stem Cell Reports</i> , 2021, 16, 1210-1227.	4.8	18
36	OCT4 cooperates with distinct ATP-dependent chromatin remodelers in naïve and primed pluripotent states in human. <i>Nature Communications</i> , 2021, 12, 5123.	12.8	17

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37	Epigenetic regulation during human cortical development: Seq-ing answers from the brain to the organoid. <i>Neurochemistry International</i> , 2021, 147, 105039.	3.8	12
38	A conceptual and computational framework for modelling and understanding the non-equilibrium gene regulatory networks of mouse embryonic stem cells. <i>PLoS Computational Biology</i> , 2017, 13, e1005713.	3.2	7