M Azim Surani

List of Publications by Year
in descending order

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197 papers	31,724 citations	6233 80 h-index	4535 171 g-index
213 all docs	213 docs citations	213 times ranked	26615 citing authors

#	Article	IF	Citations
1	mRNA-Seq whole-transcriptome analysis of a single cell. Nature Methods, 2009, 6, 377-382.	9.0	2,736
2	Epigenetic reprogramming in mouse primordial germ cells. Mechanisms of Development, 2002, 117, 15-23.	1.7	1,091
3	Endogenous siRNAs from naturally formed dsRNAs regulate transcripts in mouse oocytes. Nature, 2008, 453, 539-543.	13.7	1,007
4	Blimp1 is a critical determinant of the germ cell lineage in mice. Nature, 2005, 436, 207-213.	13.7	915
5	The Polycomb -Group Gene Ezh2 Is Required for Early Mouse Development. Molecular and Cellular Biology, 2001, 21, 4330-4336.	1.1	820
6	A molecular programme for the specification of germ cell fate in mice. Nature, 2002, 418, 293-300.	13.7	791
7	Germline DNA Demethylation Dynamics and Imprint Erasure Through 5-Hydroxymethylcytosine. Science, 2013, 339, 448-452.	6.0	687
8	SOX17 Is a Critical Specifier of Human Primordial Germ Cell Fate. Cell, 2015, 160, 253-268.	13.5	687
9	Genetic and Epigenetic Regulators of Pluripotency. Cell, 2007, 128, 747-762.	13.5	611
10	Chromatin dynamics during epigenetic reprogramming in the mouse germ line. Nature, 2008, 452, 877-881.	13.7	611
11	Resistance of IAPs to methylation reprogramming may provide a mechanism for epigenetic inheritance in the mouse. Genesis, 2003, 35, 88-93.	0.8	599
12	Dynamic Equilibrium and Heterogeneity of Mouse Pluripotent Stem Cells with Distinct Functional and Epigenetic States. Cell Stem Cell, 2008, 3, 391-401.	5.2	596
13	A Unique Gene Regulatory Network Resets the Human Germline Epigenome for Development. Cell, 2015, 161, 1453-1467.	13.5	556
14	Eomesodermin is required for mouse trophoblast development and mesoderm formation. Nature, 2000, 404, 95-99.	13.7	547
15	Abnormal maternal behaviour and growth retardation associated with loss of the imprinted gene Mest. Nature Genetics, 1998, 20, 163-169.	9.4	524
16	Maternal microRNAs are essential for mouse zygotic development. Genes and Development, 2007, 21, 644-648.	2.7	496
17	Genomic imprinting determines methylation of parental alleles in transgenic mice. Nature, 1987, 328, 248-251.	13.7	480
18	Tracing the Derivation of Embryonic Stem Cells from the Inner Cell Mass by Single-Cell RNA-Seq Analysis. Cell Stem Cell, 2010, 6, 468-478.	5.2	479

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19	Naive pluripotency is associated with global DNA hypomethylation. Nature Structural and Molecular Biology, 2013, 20, 311-316.	3.6	465
20	RNA-Seq analysis to capture the transcriptome landscape of a single cell. Nature Protocols, 2010, 5, 516-535.	5.5	450
21	MicroRNA Biogenesis Is Required for Mouse Primordial Germ Cell Development and Spermatogenesis. PLoS ONE, 2008, 3, e1738.	1.1	442
22	Blimp1 associates with Prmt5 and directs histone arginine methylation in mouse germ cells. Nature Cell Biology, 2006, 8, 623-630.	4.6	425
23	Genome-Wide Reprogramming in the Mouse Germ Line Entails the Base Excision Repair Pathway. Science, 2010, 329, 78-82.	6.0	420
24	Reprogramming of genome function through epigenetic inheritance. Nature, 2001, 414, 122-128.	13.7	416
25	Parental-origin-specific epigenetic modification of the mouse H19 gene. Nature, 1993, 362, 751-755.	13.7	415
26	Imprinting and the Epigenetic Asymmetry Between Parental Genomes. Science, 2001, 293, 1086-1089.	6.0	388
27	Epigenetic reversion of post-implantation epiblast to pluripotent embryonic stem cells. Nature, 2009, 461, 1292-1295.	13.7	357
28	A role for Lin28 in primordial germ-cell development and germ-cell malignancy. Nature, 2009, 460, 909-913.	13.7	354
29	stella Is a Maternal Effect Gene Required for Normal Early Development in Mice. Current Biology, 2003, 13, 2110-2117.	1.8	352
30	Specification and epigenetic programming of the human germ line. Nature Reviews Genetics, 2016, 17, 585-600.	7.7	352
31	Identification of an imprinted gene, Meg3 /Gtl2 and its human homologue MEG3 , first mapped on mouse distal chromosome 12 and human chromosome 14q. Genes To Cells, 2000, 5, 211-220.	0.5	343
32	Regulatory Principles of Pluripotency: From the Ground State Up. Cell Stem Cell, 2014, 15, 416-430.	5.2	334
33	<i>H19</i>acts as a trans regulator of the imprinted gene network controlling growth in mice. Development (Cambridge), 2009, 136, 3413-3421.	1.2	321
34	MicroRNA expression profiling of single whole embryonic stem cells. Nucleic Acids Research, 2006, 34, e9-e9.	6.5	306
35	Consequences of the depletion of zygotic and embryonic enhancer of zeste 2 during preimplantation mouse development. Development (Cambridge), 2003, 130, 4235-4248.	1.2	294
36	Prmt5 is essential for early mouse development and acts in the cytoplasm to maintain ES cell pluripotency. Genes and Development, 2010, 24, 2772-2777.	2.7	287

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37	The transcriptional and signalling networks of pluripotency. Nature Cell Biology, 2011, 13, 490-496.	4.6	284
38	Development and applications of single-cell transcriptome analysis. Nature Methods, 2011, 8, S6-S11.	9.0	280
39	Peg1/Mest imprinted gene on chromosome 6 identified by cDNA subtraction hybridization. Nature Genetics, 1995, 11, 52-59.	9.4	271
40	Germ Cell Specification in Mice. Science, 2007, 316, 394-396.	6.0	271
41	Dynamic Heterogeneity and DNA Methylation in Embryonic Stem Cells. Molecular Cell, 2014, 55, 319-331.	4.5	271
42	DNA methylation dynamics during the mammalian life cycle. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20110328.	1.8	262
43	Establishment of porcine and human expanded potential stem cells. Nature Cell Biology, 2019, 21, 687-699.	4.6	261
44	Principles of early human development and germ cell program from conserved model systems. Nature, 2017, 546, 416-420.	13.7	245
45	Peg3 imprinted gene on proximal chromosome 7 encodes for a zinc finger protein. Nature Genetics, 1996, 12, 186-190.	9.4	244
46	A tripartite transcription factor network regulates primordial germ cell specification in mice. Nature Cell Biology, 2013, 15, 905-915.	4.6	240
47	Coadaptation in mother and infant regulated by a paternally expressed imprinted gene. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 1303-1309.	1.2	198
48	Segregation of mitochondrial DNA heteroplasmy through a developmental genetic bottleneck in human embryos. Nature Cell Biology, 2018, 20, 144-151.	4.6	182
49	Parallel mechanisms of epigenetic reprogramming in the germline. Trends in Genetics, 2012, 28, 164-174.	2.9	163
50	Trim28 Haploinsufficiency Triggers Bi-stable Epigenetic Obesity. Cell, 2016, 164, 353-364.	13.5	161
51	X Chromosome Activity in Mouse XX Primordial Germ Cells. PLoS Genetics, 2008, 4, e30.	1.5	158
52	Self-renewing epiblast stem cells exhibit continual delineation of germ cells with epigenetic reprogramming in vitro. Development (Cambridge), 2009, 136, 3549-3556.	1.2	156
53	Generation ofstella-GFP transgenic mice: A novel tool to study germ cell development. Genesis, 2006, 44, 75-83.	0.8	150
54	NANOG alone induces germ cells in primed epiblast in vitro by activation of enhancers. Nature, 2016, 529, 403-407.	13.7	148

#	ARTICLE	IF	CITATIONS
55	<i>Prdm14</i> promotes germline fate and naive pluripotency by repressing FGF signalling and DNA methylation. EMBO Reports, 2013, 14, 629-637.	2.0	145
56	Reprogramming Primordial Germ Cells into Pluripotent Stem Cells. PLoS ONE, 2008, 3, e3531.	1.1	140
57	Steel factor controls primordial germ cell survival and motility from the time of their specification in the allantois, and provides a continuous niche throughout their migration. Development (Cambridge), 2009, 136, 1295-1303.	1.2	137
58	Deterministic and Stochastic Allele Specific Gene Expression in Single Mouse Blastomeres. PLoS ONE, 2011, 6, e21208.	1.1	134
59	Epiblast Stem Cell-Based System Reveals Reprogramming Synergy of Germline Factors. Cell Stem Cell, 2012, 10, 425-439.	5.2	134
60	Embryonic germ cells from mice and rats exhibit properties consistent with a generic pluripotent ground state. Development (Cambridge), 2010, 137, 2279-2287.	1.2	133
61	Promoter DNA methylation couples genome-defence mechanisms to epigenetic reprogramming in the mouse germline. Development (Cambridge), 2012, 139, 3623-3632.	1.2	130
62	PRMT5 Protects Genomic Integrity during Global DNA Demethylation in Primordial Germ Cells and Preimplantation Embryos. Molecular Cell, 2014, 56, 564-579.	4.5	122
63	Xist-dependent imprinted X inactivation and the early developmental consequences of its failure. Nature Structural and Molecular Biology, 2017, 24, 226-233.	3.6	122
64	Normal Germ Line Establishment in Mice Carrying a Deletion of the <i>Ifitm/Fragilis</i> Gene Family Cluster. Molecular and Cellular Biology, 2008, 28, 4688-4696.	1.1	116
65	Synergistic Mechanisms of DNA Demethylation during Transition to Ground-State Pluripotency. Stem Cell Reports, 2013, 1, 518-531.	2.3	115
66	How to make a primordial germ cell. Development (Cambridge), 2014, 141, 245-252.	1.2	111
67	Dppa2andDppa4Are Closely Linked SAP Motif Genes Restricted to Pluripotent Cells and the Germ Line. Stem Cells, 2007, 25, 19-28.	1.4	109
68	Primordial Germ-Cell Development and Epigenetic Reprogramming in Mammals. Current Topics in Developmental Biology, 2013, 104, 149-187.	1.0	109
69	ERG-associated protein with SET domain (ESET)-Oct4 interaction regulates pluripotency and represses the trophectoderm lineage. Epigenetics and Chromatin, 2009, 2, 12.	1.8	106
70	Genome imprinting and development in the mouse. Development (Cambridge), 1990, 108, 89-98.	1.2	106
71	An imprinting element from the mouse H19 locus functions as a silencer in Drosophila. Nature Genetics, 1997, 16, 171-173.	9.4	105
72	Cdkn1c (p57Kip2) is the major regulator of embryonic growth within its imprinted domain on mouse distal chromosome 7. BMC Developmental Biology, 2007, 7, 53.	2.1	100

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73	220-plex microRNA expression profile of a single cell. Nature Protocols, 2006, 1, 1154-1159.	5.5	97
74	Loss of TSLC1 Causes Male Infertility Due to a Defect at the Spermatid Stage of Spermatogenesis. Molecular and Cellular Biology, 2006, 26, 3595-3609.	1.1	96
75	Chromatin dynamics and the role of G9a in gene regulation and enhancer silencing during early mouse development. ELife, 2015, 4, .	2.8	96
76	Essential role for Argonaute2 protein in mouse oogenesis. Epigenetics and Chromatin, 2009, 2, 9.	1.8	95
77	The Role of Exogenous Fibroblast Growth Factor-2 on the Reprogramming of Primordial Germ Cells into Pluripotent Stem Cells. Stem Cells, 2006, 24, 1441-1449.	1.4	94
78	Histone variant macroH2A marks embryonic differentiation <i>in vivo</i> and acts as an epigenetic barrier to induced pluripotency. Journal of Cell Science, 2012, 125, 6094-6104.	1.2	92
79	Stella modulates transcriptional and endogenous retrovirus programs during maternal-to-zygotic transition. ELife, 2017, 6, .	2.8	92
80	Pluripotency and X chromosome dynamics revealed in pig pre-gastrulating embryos by single cell analysis. Nature Communications, 2019, 10, 500.	5.8	91
81	Targeted chromosome elimination from ES-somatic hybrid cells. Nature Methods, 2007, 4, 23-25.	9.0	90
82	Simultaneous deletion of the methylcytosine oxidases Tet1 and Tet3 increases transcriptome variability in early embryogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4236-45.	3.3	87
83	Germline and Pluripotent Stem Cells. Cold Spring Harbor Perspectives in Biology, 2015, 7, a019422.	2.3	86
84	Imprinted genes and regulation of gene expression by epigenetic inheritance. Current Opinion in Cell Biology, 1996, 8, 348-353.	2.6	85
85	Methylation-dependent silencing at the H19 imprinting control region by MeCP2. Nucleic Acids Research, 2002, 30, 1139-1144.	6.5	85
86	Human antibody production in transgenic mice: expression from 100 kb of the human IgH locus. European Journal of Immunology, 1991, 21, 1323-1326.	1.6	84
87	Germline competency of human embryonic stem cells depends on eomesoderminâ€. Biology of Reproduction, 2017, 97, 850-861.	1.2	84
88	On the origin of the human germline. Development (Cambridge), 2018, 145, .	1.2	84
89	Specification of germ cell fate in mice. Philosophical Transactions of the Royal Society B: Biological Sciences, 2003, 358, 1363-1370.	1.8	82
90	Resetting the Epigenome beyond Pluripotency in the Germline. Cell Stem Cell, 2009, 4, 493-498.	5.2	81

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91	Blimp1 and the Emergence of the Germ Line during Development in the Mouse. Cell Cycle, 2005, 4, 1736-1740.	1.3	78
92	Beyond DNA: Programming and Inheritance of Parental Methylomes. Cell, 2013, 153, 737-739.	13.5	78
93	Metabolic regulation of pluripotency and germ cell fate through Î±â€•ketoglutarate. EMBO Journal, 2019, 38, .	3.5	77
94	Genomic characterisation of a Fgf-regulated gradient-based neocortical protomap. Development (Cambridge), 2005, 132, 3947-3961.	1.2	71
95	A critical role of PRDM14 in human primordial germ cell fate revealed by inducible degrons. Nature Communications, 2020, 11, 1282.	5.8	71
96	Analysis ofEsg1Expression in Pluripotent Cells and the Germline Reveals Similarities withOct4andSox2and Differences Between Human Pluripotent Cell Lines. Stem Cells, 2005, 23, 1436-1442.	1.4	70
97	iPS Cells: Mapping the Policy Issues. Cell, 2009, 139, 1032-1037.	13.5	68
98	Tracing the transitions from pluripotency to germ cell fate with CRISPR screening. Nature Communications, 2018, 9, 4292.	5.8	65
99	Influence of sex chromosome constitution on the genomic imprinting of germ cells. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11184-11188.	3.3	64
100	Rebuilding Pluripotency from Primordial Germ Cells. Stem Cell Reports, 2013, 1, 66-78.	2.3	63
101	Germ cell specification and pluripotency in mammals: a perspective from early embryogenesis. Reproductive Medicine and Biology, 2014, 13, 203-215.	1.0	62
102	Manipulation of the Repertoire of Digestive Enzymes Secreted into the Gastrointestinal Tract of Transgenic Mice. Bio/technology, 1993, 11, 376-379.	1.9	61
103	Generation of primordial germ cells from pluripotent stem cells. Differentiation, 2009, 78, 116-123.	1.0	59
104	Human embryo research, stem cell-derived embryo models and inÂvitro gametogenesis: Considerations leading to the revised ISSCR guidelines. Stem Cell Reports, 2021, 16, 1416-1424.	2.3	59
105	Activation of Lineage Regulators and Transposable Elements across aÂPluripotent Spectrum. Stem Cell Reports, 2017, 8, 1645-1658.	2.3	58
106	The non-viability of uniparental mouse conceptuses correlates with the loss of the products of imprinted genes. Mechanisms of Development, 1994, 46, 55-62.	1.7	55
107	Imprinting by DNA methylation: from transgenes to endogenous gene sequences. Development (Cambridge), 1990, 108, 99-106.	1.2	55
108	Altered primordial germ cell migration in the absence of transforming growth factor Î² signaling via ALK5. Developmental Biology, 2005, 284, 194-203.	0.9	53

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109	Astroglial IFITM3 mediates neuronal impairments following neonatal immune challenge in mice. Glia, 2013, 61, 679-693.	2.5	53
110	Initiation of epigenetic reprogramming of the X chromosome in somatic nuclei transplanted to a mouse oocyte. EMBO Reports, 2005, 6, 748-754.	2.0	52
111	Dissecting ensemble networks in ES cell populations reveals micro-heterogeneity underlying pluripotency. Molecular BioSystems, 2012, 8, 744.	2.9	52
112	Contribution of epigenetic landscapes and transcription factors to X-chromosome reactivation in the inner cell mass. Nature Communications, 2017, 8, 1297.	5.8	52
113	Genomic imprinting: developmental significance and molecular mechanism. Current Opinion in Genetics and Development, 1991, 1, 241-246.	1.5	49
114	Heterogeneity in imprinted methylation patterns of pluripotent embryonic germ cells derived from pre-migratory mouse germ cells. Developmental Biology, 2008, 313, 674-681.	0.9	48
115	Epigenetic Reprogramming of Mouse Germ Cells toward Totipotency. Cold Spring Harbor Symposia on Quantitative Biology, 2010, 75, 211-218.	2.0	46
116	How to make eggs and sperm. Nature, 2004, 427, 106-107.	13.7	45
117	Esrrb Complementation Rescues Development of Nanog-Null Germ Cells. Cell Reports, 2018, 22, 332-339.	2.9	45
118	Blimp1 Expression Predicts Embryonic Stem Cell Development InÂVitro. Current Biology, 2011, 21, 1759-1765.	1.8	43
119	Derivation of hypermethylated pluripotent embryonic stem cells with high potency. Cell Research, 2018, 28, 22-34.	5.7	43
120	Targeted DamID reveals differential binding of mammalian pluripotency factors. Development (Cambridge), 2018, 145, .	1.2	43
121	Specification and epigenomic resetting of the pig germline exhibit conservation with the human lineage. Cell Reports, 2021, 34, 108735.	2.9	43
122	Experimental embryological analysis of genetic imprinting in mouse development. Genesis, 1994, 15, 515-522.	3.1	42
123	Proximal visceral endoderm and extraembryonic ectoderm regulate the formation of primordial germ cell precursors. BMC Developmental Biology, 2007, 7, 140.	2.1	40
124	SRSF3 maintains transcriptome integrity in oocytes by regulation of alternative splicing and transposable elements. Cell Discovery, 2018, 4, 33.	3.1	40
125	Genome-Wide Identification of Targets and Function of Individual MicroRNAs in Mouse Embryonic Stem Cells. PLoS Genetics, 2010, 6, e1001163.	1.5	39
126	Provision of the immunoglobulin heavy chain enhancer downstream of a test gene is sufficient to confer lymphoid-specific expression in transgenic mice. European Journal of Immunology, 1987, 17, 465-469.	1.6	38

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127	Tracing the emergence of primordial germ cells from bilaminar disc rabbit embryos and pluripotent stem cells. Cell Reports, 2021, 37, 109812.	2.9	37
128	Xist expression and macroH2A1.2 localisation in mouse primordial and pluripotent embryonic germ cells. Differentiation, 2002, 69, 216-225.	1.0	36
129	Combinatorial control of cell fate and reprogramming in the mammalian germline. Current Opinion in Genetics and Development, 2012, 22, 466-474.	1.5	36
130	A PAX5â€“OCT4â€“PRDM1 developmental switch specifies human primordial germ cells. Nature Cell Biology, 2018, 20, 655-665.	4.6	33
131	Genetic basis for primordial germ cells specification in mouse and human: Conserved and divergent roles of PRDM and SOX transcription factors. Current Topics in Developmental Biology, 2019, 135, 35-89.	1.0	31
132	Mest but Not MiR-335 Affects Skeletal Muscle Growth and Regeneration. PLoS ONE, 2015, 10, e0130436.	1.1	31
133	Appropriate expression of the mouse H19 gene utilises three or more distinct enhancer regions spread over more than 130 kb. Mechanisms of Development, 2000, 91, 365-368.	1.7	30
134	Investigating transcriptional states at single-cell-resolution. Current Opinion in Biotechnology, 2013, 24, 69-78.	3.3	30
135	Primoridal germ cell specification: a context-dependent cellular differentiation event. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130543.	1.8	30
136	G9a regulates temporal preimplantation developmental program and lineage segregation in blastocyst. ELife, 2018, 7, .	2.8	30
137	Blastocyst complementation using Prdm14-deficient rats enables efficient germline transmission and generation of functional mouse spermatids in rats. Nature Communications, 2021, 12, 1328.	5.8	30
138	DNA methylation and genomic imprinting in mammals. , 1993, 64, 469-486.		30
139	mRNA-sequencing whole transcriptome analysis of a single cell on the SOLiD system. Journal of Biomolecular Techniques, 2009, 20, 266-71.	0.8	30
140	Membrane-Bound Steel Factor Maintains a High Local Concentration for Mouse Primordial Germ Cell Motility, and Defines the Region of Their Migration. PLoS ONE, 2011, 6, e25984.	1.1	28
141	Sequential enhancer state remodelling defines human germline competence and specification. Nature Cell Biology, 2022, 24, 448-460.	4.6	27
142	MicroRNAs are tightly associated with RNA-induced gene silencing complexes in vivo. Biochemical and Biophysical Research Communications, 2008, 372, 24-29.	1.0	26
143	Efficient Induction and Isolation of Human Primordial Germ Cell-Like Cells from Competent Human Pluripotent Stem Cells. Methods in Molecular Biology, 2017, 1463, 217-226.	0.4	26
144	Reprogramming Primordial Germ Cells (PGC) to Embryonic Germ (EG) Cells. Current Protocols in Stem Cell Biology, 2008, 5, Unit1A.3.	3.0	25

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145	A new route to rejuvenation. Nature, 2006, 443, 284-285.	13.7	23
146	The Germ Cell Determinant Blimp1 Is Not Required for Derivation of Pluripotent Stem Cells. Cell Stem Cell, 2012, 11, 110-117.	5.2	23
147	Human Germline: A New Research Frontier. Stem Cell Reports, 2015, 4, 955-960.	2.3	23
148	A Human p57KIP2 Transgene Is Not Activated by Passage Through the Maternal Mouse Germline. Human Molecular Genetics, 1999, 8, 2211-2219.	1.4	22
149	Polycomb-group proteins are involved in silencing processes caused by a transgenic element from the murine imprinted H19/Igf2 region in Drosophila. Development Genes and Evolution, 2003, 213, 336-344.	0.4	21
150	Conserved features of non-primate bilaminar disc embryos and the germline. Stem Cell Reports, 2021, 16, 1078-1092.	2.3	21
151	Nuclear reprogrammingâ€"alchemy or analysis?. Nature Biotechnology, 2002, 20, 445-446.	9.4	19
152	DEVELOPMENT: Enhanced: Programming the X Chromosome. Science, 2004, 303, 633-634.	6.0	18
153	What Can Stem Cell Models Tell Us About Human Germ Cell Biology?. Current Topics in Developmental Biology, 2018, 129, 25-65.	1.0	18
154	Testing the role of SOX15 in human primordial germ cell fate. Wellcome Open Research, 2019, 4, 122.	0.9	18
155	Impressions of imprints. Trends in Genetics, 1994, 10, 415-417.	2.9	17
156	Parthenogenesis in man. Nature Genetics, 1995, 11, 111-113.	9.4	17
157	Agouti germ line gets acquisitive. Nature Genetics, 1999, 23, 254-256.	9.4	17
158	Nuclear Reprogramming by Human Embryonic Stem Cells. Cell, 2005, 122, 653-654.	13.5	17
159	Germ cells: The eternal link between generations. Comptes Rendus - Biologies, 2007, 330, 474-478.	0.1	17
160	A sensitive multiplex assay for piRNA expression. Biochemical and Biophysical Research Communications, 2008, 369, 1190-1194.	1.0	17
161	Developmental Competence for Primordial Germ Cell Fate. Current Topics in Developmental Biology, 2016, 117, 471-496.	1.0	16
162	A sporadic super state. Nature, 2012, 487, 43-44.	13.7	15

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163	Mechanism of imprinting on mouse distal chromosome 7. Genetical Research, 1998, 72, 237-245.	0.3	14
164	Cellular Reprogramming in Pursuit of Immortality. Cell Stem Cell, 2012, 11, 748-750.	5.2	14
165	Breaking the germ lineâ€“soma barrier. Nature Reviews Molecular Cell Biology, 2016, 17, 136-136.	16.1	13
166	Activin A and BMP4 Signaling Expands Potency of Mouse Embryonic Stem Cells in Serum-Free Media. Stem Cell Reports, 2020, 14, 241-255.	2.3	13
167	DNMTs Play an Important Role in Maintaining the Pluripotency of Leukemia Inhibitory Factor-Dependent Embryonic Stem Cells. Stem Cell Reports, 2021, 16, 582-596.	2.3	12
168	The Mechanisms of Genomic Imprinting. Results and Problems in Cell Differentiation, 1999, 25, 91-118.	0.2	11
169	Testing the role of SOX15 in human primordial germ cell fate. Wellcome Open Research, 2019, 4, 122.	0.9	11
170	[44] Manipulations of genetic constitution by nuclear transplantation. Methods in Enzymology, 1993, 225, 732-744.	0.4	10
171	The Imprinted Gene Peg3 Is Not Essential for Tumor Necrosis Factor Î± Signaling. Laboratory Investigation, 2000, 80, 1509-1511.	1.7	10
172	An intronic DNA sequence within the mouse Neuronatin gene exhibits biochemical characteristics of an ICR and acts as a transcriptional activator in Drosophila. Mechanisms of Development, 2008, 125, 963-973.	1.7	8
173	Branch-recombinant Gaussian processes for analysis of perturbations in biological time series. Bioinformatics, 2018, 34, i1005-i1013.	1.8	7
174	Differentiation and gene regulation Programming, reprogramming and regeneration. Current Opinion in Genetics and Development, 2003, 13, 445-447.	1.5	6
175	Dedifferentiation of Foetal CNS Stem Cells to Mesendoderm-Like Cells through an EMT Process. PLoS ONE, 2012, 7, e30759.	1.1	6
176	DNA (De)Methylation: The Passive Route to NaÃ¯vety?. Trends in Genetics, 2016, 32, 592-595.	2.9	5
177	Reversion of Mouse Postimplantation Epiblast Stem Cells to a NaÃ¯ve Pluripotent State by Modulation of Signalling Pathways. Methods in Molecular Biology, 2013, 1074, 15-29.	0.4	5
178	Imprinting and Gene Silencing in Mice and <i>Drosophila</i>. Novartis Foundation Symposium, 1998, 214, 233-250.	1.2	4
179	Perceiving signals, building networks, reprogramming germ cell fate. International Journal of Developmental Biology, 2013, 57, 123-132.	0.3	4
180	Human Germline Development from Pluripotent Stem Cellsin vitro. Journal of Mammalian Ova Research, 2016, 33, 79-87.	0.1	2

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181	Differential Demethylation of Paternal and Maternal Genomes in the Preimplantation Mouse Embryo: Implications for Mammalian Development. , 2004, , 207-214.		2
182	Anne McLaren (1927â€"2007). Nature, 2007, 448, 764-765.	13.7	1
183	Detection of CpG methylation patterns by affinity capture methods. , 2012, , 197-209.		1
184	Genomic imprinting. Advances in Developmental Biology and Biochemistry, 2002, 12, 233-264.	0.3	0
185	Genomic Reprogramming. , 2004, , 657-662.		0
186	Generation of single cell microRNA expression profile. , 0, , 489-496.		0
187	Untangling the mysteries of maternal inheritance with polyCOMB. EMBO Journal, 2012, 31, 2837-2838.	3.5	0
188	Active DNA demethylation. , 0, , 91-103.		0
189	Epigenetic stability of human pluripotent stem cells. , 0, , 118-133.		0
190	MicroRNAs in embryonic stem cells. , 0, , 163-178.		0
191	Genomic Reprogramming. , 2013, , 393-398.		0
192	Genomic Reprogramming. , 2014, , 453-463.		0
193	Epigenetic Reprogramming of Somatic Nuclei via Cell Fusion. , 2014, , 11-19.		0
194	Thirty-five years of endless cell potential. Nature, 2016, 535, 502-503.	13.7	0
195	Staged profiling of sperm development in sync. Cell Research, 2018, 28, 965-966.	5.7	0
196	The unfolding body plan of primate embryos in culture. Cell Research, 2020, 30, 103-104.	5.7	0
197	Genomic Reprogramming. , 2009, , 437-442.		0