

# Andras Nagy

## List of Publications by Citations

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289  
papers

42,084  
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90  
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203  
g-index

303  
ext. papers

46,388  
ext. citations

11.8  
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6.89  
L-index

#	Paper	IF	Citations
289	The gut microbiota as an environmental factor that regulates fat storage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 15718-23	11.5	4063
288	Abnormal blood vessel development and lethality in embryos lacking a single VEGF allele. <i>Nature</i> , <b>1996</b> , 380, 435-9	50.4	3429
287	Derivation of completely cell culture-derived mice from early-passage embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1993</b> , 90, 8424-8	11.5	2069
286	piggyBac transposition reprograms fibroblasts to induced pluripotent stem cells. <i>Nature</i> , <b>2009</b> , 458, 766-70	50.4	1446
285	Promotion of trophoblast stem cell proliferation by FGF4. <i>Science</i> , <b>1998</b> , 282, 2072-5	33.3	1022
284	Cre recombinase: The universal reagent for genome tailoring. <i>Genesis</i> , <b>2000</b> , 26, 99-109	1.9	953
283	Glomerular-specific alterations of VEGF-A expression lead to distinct congenital and acquired renal diseases. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 111, 707-16	15.9	885
282	Characterization of human embryonic stem cell lines by the International Stem Cell Initiative. <i>Nature Biotechnology</i> , <b>2007</b> , 25, 803-16	44.5	857
281	Obesity-associated variants within FTO form long-range functional connections with IRX3. <i>Nature</i> , <b>2014</b> , 507, 371-5	50.4	835
280	Autocrine VEGF signaling is required for vascular homeostasis. <i>Cell</i> , <b>2007</b> , 130, 691-703	56.2	812
279	Functional genomics reveals a BMP-driven mesenchymal-to-epithelial transition in the initiation of somatic cell reprogramming. <i>Cell Stem Cell</i> , <b>2010</b> , 7, 64-77	18	785
278	Copy number variation and selection during reprogramming to pluripotency. <i>Nature</i> , <b>2011</b> , 471, 58-62	50.4	753
277	Z/EG, a double reporter mouse line that expresses enhanced green fluorescent protein upon cre-mediated excision. <i>Genesis</i> , <b>2000</b> , 28, 147-155	1.9	742
276	Expression of Cre Recombinase in the developing mouse limb bud driven by a Prxl enhancer. <i>Genesis</i> , <b>2002</b> , 33, 77-80	1.9	669
275	Transgenic mice for intersectional targeting of neural sensors and effectors with high specificity and performance. <i>Neuron</i> , <b>2015</b> , 85, 942-58	13.9	631
274	Impaired myocardial angiogenesis and ischemic cardiomyopathy in mice lacking the vascular endothelial growth factor isoforms VEGF164 and VEGF188. <i>Nature Medicine</i> , <b>1999</b> , 5, 495-502	50.5	559
273	Essential role of Mash-2 in extraembryonic development. <i>Nature</i> , <b>1994</b> , 371, 333-6	50.4	539

272	Essential role of brain-derived neurotrophic factor in adult hippocampal function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 10827-32	11.5	533
271	The knockout mouse project. <i>Nature Genetics</i> , <b>2004</b> , 36, 921-4	36.3	490
270	Z/AP, a double reporter for cre-mediated recombination. <i>Developmental Biology</i> , <b>1999</b> , 208, 281-92	3.1	470
269	Oct4 is required for primordial germ cell survival. <i>EMBO Reports</i> , <b>2004</b> , 5, 1078-83	6.5	451
268	Generating green fluorescent mice by germline transmission of green fluorescent ES cells. <i>Mechanisms of Development</i> , <b>1998</b> , 76, 79-90	1.7	445
267	Early restriction of peripheral and proximal cell lineages during formation of the lung. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 10482-7	11.5	412
266	Screening ethnically diverse human embryonic stem cells identifies a chromosome 20 minimal amplicon conferring growth advantage. <i>Nature Biotechnology</i> , <b>2011</b> , 29, 1132-44	44.5	406
265	Synergism of Xist RNA, DNA methylation, and histone hypoacetylation in maintaining X chromosome inactivation. <i>Journal of Cell Biology</i> , <b>2001</b> , 153, 773-84	7.3	368
264	A mouse for all reasons. <i>Cell</i> , <b>2007</b> , 128, 9-13	56.2	366
263	Genomic imprinting of Mash2, a mouse gene required for trophoblast development. <i>Nature Genetics</i> , <b>1995</b> , 9, 235-42	36.3	335
262	Niche-mediated control of human embryonic stem cell self-renewal and differentiation. <i>EMBO Journal</i> , <b>2007</b> , 26, 4744-55	13	327
261	Antigen receptor-induced activation and cytoskeletal rearrangement are impaired in Wiskott-Aldrich syndrome protein-deficient lymphocytes. <i>Journal of Experimental Medicine</i> , <b>1999</b> , 190, 1329-42	16.6	325
260	Placental but not heart defects are associated with elevated hypoxia-inducible factor alpha levels in mice lacking prolyl hydroxylase domain protein 2. <i>Molecular and Cellular Biology</i> , <b>2006</b> , 26, 8336-46	4.8	315
259	CCR2 recruits an inflammatory macrophage subpopulation critical for angiogenesis in tissue repair. <i>Blood</i> , <b>2012</b> , 120, 613-25	2.2	306
258	Mice lacking histidine decarboxylase exhibit abnormal mast cells. <i>FEBS Letters</i> , <b>2001</b> , 502, 53-6	3.8	299
257	Placental cell fates are regulated in vivo by HIF-mediated hypoxia responses. <i>Genes and Development</i> , <b>2000</b> , 14, 3191-203	12.6	297
256	Imprinted X inactivation maintained by a mouse Polycomb group gene. <i>Nature Genetics</i> , <b>2001</b> , 28, 371-5	36.3	276
255	Conditional and inducible transgene expression in mice through the combinatorial use of Cre-mediated recombination and tetracycline induction. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, e51	20.1	266

254	Mouse in red: red fluorescent protein expression in mouse ES cells, embryos, and adult animals. <i>Genesis</i> , <b>2004</b> , 40, 241-6	1.9	260
253	An alternative splicing switch regulates embryonic stem cell pluripotency and reprogramming. <i>Cell</i> , <b>2011</b> , 147, 132-46	56.2	253
252	Non-injection methods for the production of embryonic stem cell-embryo chimaeras. <i>Nature</i> , <b>1993</b> , 365, 87-9	50.4	251
251	Multiple developmental roles of VEGF suggested by a LacZ-tagged allele. <i>Developmental Biology</i> , <b>1999</b> , 212, 307-22	3.1	247
250	Regulation of murine telomere length by Rtel: an essential gene encoding a helicase-like protein. <i>Cell</i> , <b>2004</b> , 117, 873-86	56.2	245
249	Transposon-mediated genome manipulation in vertebrates. <i>Nature Methods</i> , <b>2009</b> , 6, 415-22	21.6	233
248	The mammalian gene function resource: the International Knockout Mouse Consortium. <i>Mammalian Genome</i> , <b>2012</b> , 23, 580-6	3.2	230
247	Glycogen synthase kinase 3alpha-specific regulation of murine hepatic glycogen metabolism. <i>Cell Metabolism</i> , <b>2007</b> , 6, 329-37	24.6	225
246	MBNL proteins repress ES-cell-specific alternative splicing and reprogramming. <i>Nature</i> , <b>2013</b> , 498, 241-5	50.4	222
245	Cortical and retinal defects caused by dosage-dependent reductions in VEGF-A paracrine signaling. <i>Developmental Biology</i> , <b>2003</b> , 262, 225-41	3.1	218
244	Distinct functions for Wnt/ $\beta$ -catenin in hair follicle stem cell proliferation and survival and interfollicular epidermal homeostasis. <i>Cell Stem Cell</i> , <b>2013</b> , 13, 720-33	18	207
243	Embryonic stem cells and mice expressing different GFP variants for multiple non-invasive reporter usage within a single animal. <i>BMC Biotechnology</i> , <b>2002</b> , 2, 11	3.5	201
242	Adipose vascular endothelial growth factor regulates metabolic homeostasis through angiogenesis. <i>Cell Metabolism</i> , <b>2013</b> , 17, 61-72	24.6	199
241	Conditional loss of PTEN leads to testicular teratoma and enhances embryonic germ cell production. <i>Development (Cambridge)</i> , <b>2003</b> , 130, 1691-700	6.6	190
240	Mash2 acts cell autonomously in mouse spongiotrophoblast development. <i>Developmental Biology</i> , <b>1997</b> , 190, 55-65	3.1	188
239	Dissecting the role of N-myc in development using a single targeting vector to generate a series of alleles. <i>Current Biology</i> , <b>1998</b> , 8, 661-4	6.3	186
238	Vascular endothelial growth factor a signaling in the podocyte-endothelial compartment is required for mesangial cell migration and survival. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2006</b> , 17, 724-35	12.7	186
237	Tbx20 dose-dependently regulates transcription factor networks required for mouse heart and motoneuron development. <i>Development (Cambridge)</i> , <b>2005</b> , 132, 2463-74	6.6	181

236	Functional immobilization of signaling proteins enables control of stem cell fate. <i>Nature Methods</i> , <b>2008</b> , 5, 645-50	21.6	180
235	Induced pluripotent stem cell lines derived from equine fibroblasts. <i>Stem Cell Reviews and Reports</i> , <b>2011</b> , 7, 693-702	6.4	175
234	A specific requirement for PDGF-C in palate formation and PDGFR-alpha signaling. <i>Nature Genetics</i> , <b>2004</b> , 36, 1111-6	36.3	174
233	The organizer of the mouse gastrula is composed of a dynamic population of progenitor cells for the axial mesoderm. <i>Development (Cambridge)</i> , <b>2001</b> , 128, 3623-3634	6.6	174
232	Site-specific cassette exchange and germline transmission with mouse ES cells expressing phiC31 integrase. <i>Nature Biotechnology</i> , <b>2003</b> , 21, 321-4	44.5	171
231	Establishment of endoderm progenitors by SOX transcription factor expression in human embryonic stem cells. <i>Cell Stem Cell</i> , <b>2008</b> , 3, 182-95	18	164
230	Adult Neural Stem Cells from the Subventricular Zone Give Rise to Reactive Astrocytes in the Cortex after Stroke. <i>Cell Stem Cell</i> , <b>2015</b> , 17, 624-34	18	158
229	Developmental and adult phenotyping directly from mutant embryonic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 4455-60	11.5	157
228	Genome-wide characterization of the routes to pluripotency. <i>Nature</i> , <b>2014</b> , 516, 198-206	50.4	153
227	Vascular endothelial growth factor controls neuronal migration and cooperates with Sema3A to pattern distinct compartments of the facial nerve. <i>Genes and Development</i> , <b>2004</b> , 18, 2822-34	12.6	152
226	Increased skeletal VEGF enhances beta-catenin activity and results in excessively ossified bones. <i>EMBO Journal</i> , <b>2010</b> , 29, 424-41	13	150
225	Activation of beta-catenin signaling programs embryonic epidermis to hair follicle fate. <i>Development (Cambridge)</i> , <b>2008</b> , 135, 2161-72	6.6	143
224	Elevated coding mutation rate during the reprogramming of human somatic cells into induced pluripotent stem cells. <i>Stem Cells</i> , <b>2012</b> , 30, 435-40	5.8	140
223	Hypoxia and hypoxia-inducible factor-1 target genes in central nervous system radiation injury: a role for vascular endothelial growth factor. <i>Clinical Cancer Research</i> , <b>2004</b> , 10, 3342-53	12.9	138
222	Targeted insertion of Cre recombinase into the TNAP gene: Excision in primordial germ cells. <i>Genesis</i> , <b>2000</b> , 26, 116-117	1.9	137
221	Injectable hydrogel promotes early survival of induced pluripotent stem cell-derived oligodendrocytes and attenuates longterm teratoma formation in a spinal cord injury model. <i>Biomaterials</i> , <b>2016</b> , 83, 23-36	15.6	131
220	Complex Interdependence Regulates Heterotypic Transcription Factor Distribution and Coordinates Cardiogenesis. <i>Cell</i> , <b>2016</b> , 164, 999-1014	56.2	130
219	The control effect of histamine on body temperature and respiratory function in IgE-dependent systemic anaphylaxis. <i>Journal of Allergy and Clinical Immunology</i> , <b>2002</b> , 110, 298-303	11.5	126

218	Alkaline phosphatase-positive colony formation is a sensitive, specific, and quantitative indicator of undifferentiated human embryonic stem cells. <i>Stem Cells</i> , <b>2008</b> , 26, 1109-16	5.8	125
217	Double antiangiogenic protein, DAAP, targeting VEGF-A and angiopoietins in tumor angiogenesis, metastasis, and vascular leakage. <i>Cancer Cell</i> , <b>2010</b> , 18, 171-84	24.3	124
216	Non-invasive sexing of preimplantation stage mammalian embryos. <i>Nature Genetics</i> , <b>1998</b> , 19, 220-2	36.3	123
215	An induction gene trap screen in embryonic stem cells: Identification of genes that respond to retinoic acid in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1996</b> , 93, 1677-82	11.5	119
214	Transplantation of Induced Pluripotent Stem Cell-Derived Neural Stem Cells Mediate Functional Recovery Following Thoracic Spinal Cord Injury Through Remyelination of Axons. <i>Stem Cells Translational Medicine</i> , <b>2015</b> , 4, 743-54	6.9	116
213	Insufficient VEGFA activity in yolk sac endoderm compromises haematopoietic and endothelial differentiation. <i>Development (Cambridge)</i> , <b>2002</b> , 129, 1881-1892	6.6	116
212	Soluble FLT1 binds lipid microdomains in podocytes to control cell morphology and glomerular barrier function. <i>Cell</i> , <b>2012</b> , 151, 384-99	56.2	115
211	Heterogeneous vascular dependence of tumor cell populations. <i>American Journal of Pathology</i> , <b>2001</b> , 158, 1325-34	5.8	110
210	Stem cell bioengineering. <i>Annual Review of Biomedical Engineering</i> , <b>2001</b> , 3, 275-305	12	110
209	Insights in vessel development and vascular disorders using targeted inactivation and transfer of vascular endothelial growth factor, the tissue factor receptor, and the plasminogen system. <i>Annals of the New York Academy of Sciences</i> , <b>1997</b> , 811, 191-206	6.5	109
208	Investigation on carp, <i>Cyprinus carpio</i> L. gynogenesis. <i>Journal of Fish Biology</i> , <b>1978</b> , 13, 215-224	1.9	109
207	VEGF-A regulated by progesterone governs uterine angiogenesis and vascular remodelling during pregnancy. <i>EMBO Molecular Medicine</i> , <b>2013</b> , 5, 1415-30	12	105
206	Concise review: Embryonic stem cells versus induced pluripotent stem cells: the game is on. <i>Stem Cells</i> , <b>2012</b> , 30, 10-4	5.8	104
205	An X-linked GFP transgene reveals unexpected paternal X-chromosome activity in trophoblastic giant cells of the mouse placenta. <i>Genesis</i> , <b>2001</b> , 29, 133-40	1.9	100
204	Mice null for <i>sox18</i> are viable and display a mild coat defect. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 9331-6	4.8	100
203	Divergent reprogramming routes lead to alternative stem-cell states. <i>Nature</i> , <b>2014</b> , 516, 192-7	50.4	98
202	Genome engineering: the new mouse genetics. <i>Nature Medicine</i> , <b>1995</b> , 1, 592-4	50.5	96
201	Simple piggyBac transposon-based mammalian cell expression system for inducible protein production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 5004-9	11.5	94

200	Disruption of the endocytic protein HIP1 results in neurological deficits and decreased AMPA receptor trafficking. <i>EMBO Journal</i> , <b>2003</b> , 22, 3254-66	13	91
199	The mouse <i>Pdgfc</i> gene: dynamic expression in embryonic tissues during organogenesis. <i>Mechanisms of Development</i> , <b>2000</b> , 96, 209-13	1.7	89
198	The color of mice: in the light of GFP-variant reporters. <i>Histochemistry and Cell Biology</i> , <b>2001</b> , 115, 49-58	2.4	86
197	Parental origin-specific expression of <i>Mash2</i> is established at the time of implantation with its imprinting mechanism highly resistant to genome-wide demethylation. <i>Mechanisms of Development</i> , <b>1999</b> , 87, 129-42	1.7	86
196	An epigenomic roadmap to induced pluripotency reveals DNA methylation as a reprogramming modulator. <i>Nature Communications</i> , <b>2014</b> , 5, 5619	17.4	85
195	Efficient generation of germ line transmitting chimeras from C57BL/6N ES cells by aggregation with outbred host embryos. <i>PLoS ONE</i> , <b>2010</b> , 5, e11260	3.7	85
194	Derivation, expansion and differentiation of induced pluripotent stem cells in continuous suspension cultures. <i>Nature Methods</i> , <b>2012</b> , 9, 509-16	21.6	84
193	Efficient mouse transgenesis using Gateway-compatible ROSA26 locus targeting vectors and F1 hybrid ES cells. <i>Nucleic Acids Research</i> , <b>2009</b> , 37, e55	20.1	84
192	Vascular endothelial growth factor directly inhibits primitive neural stem cell survival but promotes definitive neural stem cell survival. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 6803-12	6.6	84
191	Intermittent fasting promotes adipose thermogenesis and metabolic homeostasis via VEGF-mediated alternative activation of macrophage. <i>Cell Research</i> , <b>2017</b> , 27, 1309-1326	24.7	83
190	Lin28 promotes the proliferative capacity of neural progenitor cells in brain development. <i>Development (Cambridge)</i> , <b>2015</b> , 142, 1616-27	6.6	82
189	Induced triploidy in carp, <i>Cyprinus carpio</i> L.. <i>Journal of Fish Biology</i> , <b>1980</b> , 17, 667-671	1.9	82
188	Points to consider in the development of seed stocks of pluripotent stem cells for clinical applications: International Stem Cell Banking Initiative (ISCB). <i>Regenerative Medicine</i> , <b>2015</b> , 10, 1-44	2.5	77
187	Targeted deletion of histidine decarboxylase gene in mice increases bone formation and protects against ovariectomy-induced bone loss. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 6027-32	11.5	76
186	Hyperglycemia-induced vasculopathy in the murine conceptus is mediated via reductions of VEGF-A expression and VEGF receptor activation. <i>American Journal of Pathology</i> , <b>2001</b> , 158, 1199-206	5.8	72
185	Hyperleptinemia, visceral adiposity, and decreased glucose tolerance in mice with a targeted disruption of the histidine decarboxylase gene. <i>Endocrinology</i> , <b>2003</b> , 144, 4306-14	4.8	70
184	Gastric acid secretion in L-histidine decarboxylase-deficient mice. <i>Gastroenterology</i> , <b>2002</b> , 122, 145-55	13.3	70
183	Lunatic Fringe-mediated Notch signaling is required for lung alveogenesis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2010</b> , 298, L45-56	5.8	66

182	Creation and use of a cre recombinase transgenic database. <i>Methods in Molecular Biology</i> , <b>2009</b> , 530, 365-78	1.4	66
181	Targeted disruption of Huntingtin-associated protein-1 (Hap1) results in postnatal death due to depressed feeding behavior. <i>Human Molecular Genetics</i> , <b>2002</b> , 11, 945-59	5.6	66
180	Inducible deletion of epidermal Dicer and Drosha reveals multiple functions for miRNAs in postnatal skin. <i>Development (Cambridge)</i> , <b>2012</b> , 139, 1405-16	6.6	65
179	Impaired intervertebral disc formation in the absence of Jun. <i>Development (Cambridge)</i> , <b>2003</b> , 130, 103-9	6.6	65
178	Expression and regulation of neuropilin-1 in human astrocytomas. <i>International Journal of Cancer</i> , <b>2000</b> , 88, 584-92	7.5	65
177	Angptl 4 deficiency improves lipid metabolism, suppresses foam cell formation and protects against atherosclerosis. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 379, 806-11	3.4	64
176	Wnt/ $\beta$ -catenin signaling regulates postnatal development and regeneration of the salivary gland. <i>Stem Cells and Development</i> , <b>2010</b> , 19, 1793-801	4.4	63
175	Linking a cell-division gene and a suicide gene to define and improve cell therapy safety. <i>Nature</i> , <b>2018</b> , 563, 701-704	50.4	63
174	Tailoring the genome: the power of genetic approaches. <i>Nature Genetics</i> , <b>2003</b> , 33 Suppl, 276-84	36.3	62
173	KLK5 Inactivation Reverses Cutaneous Hallmarks of Netherton Syndrome. <i>PLoS Genetics</i> , <b>2015</b> , 11, e1005389	10.5	60
172	Engineering universal cells that evade immune detection. <i>Nature Reviews Immunology</i> , <b>2019</b> , 19, 723-733	36.5	59
171	Alternative induced pluripotent stem cell characterization criteria for in vitro applications. <i>Cell Stem Cell</i> , <b>2009</b> , 4, 198-9; author reply 202	18	59
170	Mash2 is expressed in oogenesis and preimplantation development but is not required for blastocyst formation. <i>Mechanisms of Development</i> , <b>1998</b> , 73, 183-91	1.7	59
169	Plasma extravasation induced by dietary supplemented histamine in histamine-free mice. <i>European Journal of Immunology</i> , <b>2002</b> , 32, 1698-708	6.1	58
168	Zonadhesin is essential for species specificity of sperm adhesion to the egg zona pellucida. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 24863-70	5.4	57
167	Sex Reversal in Carp ( <i>Cyprinus carpio</i> ) by Oral Administration of Methyltestosterone. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>1981</b> , 38, 725-728	2.4	57
166	Immune privilege of the CNS is not the consequence of limited antigen sampling. <i>Scientific Reports</i> , <b>2014</b> , 4, 4422	4.9	56
165	CD24 tracks divergent pluripotent states in mouse and human cells. <i>Nature Communications</i> , <b>2015</b> , 6, 7329	17.4	56



164	Oct4 is required ~E7.5 for proliferation in the primitive streak. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003957	6	54
163	Conditional genome alteration in mice. <i>BioEssays</i> , <b>1998</b> , 20, 200-8	4.1	54
162	Sirtuin 1 facilitates generation of induced pluripotent stem cells from mouse embryonic fibroblasts through the miR-34a and p53 pathways. <i>PLoS ONE</i> , <b>2012</b> , 7, e45633	3.7	54
161	Insufficient VEGFA activity in yolk sac endoderm compromises haematopoietic and endothelial differentiation. <i>Development (Cambridge)</i> , <b>2002</b> , 129, 1881-92	6.6	54
160	Cell competition during reprogramming gives rise to dominant clones. <i>Science</i> , <b>2019</b> , 364,	33.3	51
159	Contrasting effects of VEGF gene disruption in embryonic stem cell-derived versus oncogene-induced tumors. <i>EMBO Journal</i> , <b>2003</b> , 22, 4091-102	13	51
158	Comment on "Failure of bone marrow cells to transdifferentiate into neural cells in vivo". <i>Science</i> , <b>2003</b> , 299, 1184; author reply 1184	33.3	49
157	Transgene-free production of pluripotent stem cells using piggyBac transposons. <i>Methods in Molecular Biology</i> , <b>2011</b> , 767, 87-103	1.4	46
156	Ras pathway inhibition prevents neovascularization by repressing endothelial cell sprouting. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 4900-8	15.9	46
155	FACS for the isolation of individual cells from transgenic mice harboring a fluorescent protein reporter. <i>Genesis</i> , <b>2000</b> , 27, 95-8	1.9	44
154	Placental cell fates are regulated in vivo by HIF-mediated hypoxia responses. <i>Genes and Development</i> , <b>2000</b> , 14, 3191-3203	12.6	44
153	Small RNA changes en route to distinct cellular states of induced pluripotency. <i>Nature Communications</i> , <b>2014</b> , 5, 5522	17.4	43
152	Hedgehog regulates distinct vascular patterning events through VEGF-dependent and -independent mechanisms. <i>Blood</i> , <b>2010</b> , 116, 653-60	2.2	43
151	Accelerated clearance of Escherichia coli in experimental peritonitis of histamine-deficient mice. <i>Journal of Immunology</i> , <b>2002</b> , 169, 1978-83	5.3	43
150	The generation of definitive neural stem cells from PiggyBac transposon-induced pluripotent stem cells can be enhanced by induction of the NOTCH signaling pathway. <i>Stem Cells and Development</i> , <b>2013</b> , 22, 383-96	4.4	42
149	Supplementation-dependent differences in the rates of embryonic stem cell self-renewal, differentiation, and apoptosis. <i>Biotechnology and Bioengineering</i> , <b>2003</b> , 84, 505-17	4.9	42
148	Selection for transgene homozygosity in embryonic stem cells results in extensive loss of heterozygosity. <i>Nature Genetics</i> , <b>2001</b> , 27, 257-8	36.3	41
147	Transgenic targeting with regulatory elements of the human CD34 gene. <i>Blood</i> , <b>2002</b> , 100, 4410-9	2.2	41

146	Cartilage tissue formation using redifferentiated passaged chondrocytes in vitro. <i>Tissue Engineering - Part A</i> , <b>2009</b> , 15, 665-73	3.9	39
145	Progress made in the reprogramming field: new factors, new strategies and a new outlook. <i>Current Opinion in Genetics and Development</i> , <b>2012</b> , 22, 435-43	4.9	38
144	ARS2 is a conserved eukaryotic gene essential for early mammalian development. <i>Molecular and Cellular Biology</i> , <b>2008</b> , 28, 1503-14	4.8	38
143	Proteome adaptation in cell reprogramming proceeds via distinct transcriptional networks. <i>Nature Communications</i> , <b>2014</b> , 5, 5613	17.4	37
142	Nestin is not essential for development of the CNS but required for dispersion of acetylcholine receptor clusters at the area of neuromuscular junctions. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 11547-52	6.6	37
141	Long-term reconstitution of the mouse hematopoietic system by embryonic stem cell-derived fetal liver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1991</b> , 88, 7514-7	11.5	37
140	Human embryonic stem cells secrete soluble factors that inhibit cancer cell growth. <i>Cell Proliferation</i> , <b>2009</b> , 42, 788-98	7.9	36
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- 2 Response to: Where do you come from and what are you going to become, reactive astrocyte?.  
*Stem Cell Investigation*, **2016**, 3, 32 5.1
- 1 The levels of reprogramming factors influence the induction and maintenance of pluripotency: the case of CD1 mouse strain cells. *International Journal of Developmental Biology*, **2021**, 65, 365-376 1.9