Andras Nagy

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9245610/publications.pdf

Version: 2024-02-01

		2671	1673
293	49,952	95	214
papers	citations	h-index	g-index

304	304	304	56848
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The gut microbiota as an environmental factor that regulates fat storage. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15718-15723.	3.3	5,131
2	Abnormal blood vessel development and lethality in embryos lacking a single VEGF allele. Nature, 1996, 380, 435-439.	13.7	3,776
3	Derivation of completely cell culture-derived mice from early-passage embryonic stem cells.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 8424-8428.	3.3	2,238
4	piggyBac transposition reprograms fibroblasts to induced pluripotent stem cells. Nature, 2009, 458, 766-770.	13.7	1,662
5	Promotion of Trophoblast Stem Cell Proliferation by FGF4. , 1998, 282, 2072-2075.		1,221
6	Glomerular-specific alterations of VEGF-A expression lead to distinct congenital and acquired renal diseases. Journal of Clinical Investigation, 2003, 111, 707-716.	3.9	1,100
7	Cre recombinase: The universal reagent for genome tailoring. Genesis, 2000, 26, 99-109.	0.8	1,091
8	Obesity-associated variants within FTO form long-range functional connections with IRX3. Nature, 2014, 507, 371-375.	13.7	1,079
9	Transgenic Mice for Intersectional Targeting of Neural Sensors and Effectors with High Specificity and Performance. Neuron, 2015, 85, 942-958.	3.8	992
10	Characterization of human embryonic stem cell lines by the International Stem Cell Initiative. Nature Biotechnology, 2007, 25, 803-816.	9.4	983
11	Functional Genomics Reveals a BMP-Driven Mesenchymal-to-Epithelial Transition in the Initiation of Somatic Cell Reprogramming. Cell Stem Cell, 2010, 7, 64-77.	5.2	921
12	Autocrine VEGF Signaling Is Required for Vascular Homeostasis. Cell, 2007, 130, 691-703.	13.5	902
13	Copy number variation and selection during reprogramming to pluripotency. Nature, 2011, 471, 58-62.	13.7	870
14	Expression of Cre recombinase in the developing mouse limb bud driven by aPrxl enhancer. Genesis, 2002, 33, 77-80.	0.8	858
15	Z/EG, a double reporter mouse line that expresses enhanced green fluorescent protein upon cre-mediated excision. Genesis, 2000, 28, 147-155.	0.8	790
16	Impaired myocardial angiogenesis and ischemic cardiomyopathy in mice lacking the vascular endothelial growth factor isoforms VEGF164 and VEGF188. Nature Medicine, 1999, 5, 495-502.	15.2	618
17	Essential role of brain-derived neurotrophic factor in adult hippocampal function. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10827-10832.	3.3	597
18	Essential role of Mash-2 in extraembryonic development. Nature, 1994, 371, 333-336.	13.7	588

#	Article	IF	Citations
19	The Knockout Mouse Project. Nature Genetics, 2004, 36, 921-924.	9.4	556
20	Z/AP, a Double Reporter for Cre-Mediated Recombination. Developmental Biology, 1999, 208, 281-292.	0.9	515
21	Oct4 is required for primordial germ cell survival. EMBO Reports, 2004, 5, 1078-1083.	2.0	513
22	Screening ethnically diverse human embryonic stem cells identifies a chromosome 20 minimal amplicon conferring growth advantage. Nature Biotechnology, 2011, 29, 1132-1144.	9.4	509
23	Early restriction of peripheral and proximal cell lineages during formation of the lung. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10482-10487.	3.3	471
24	Generating green fluorescent mice by germline transmission of green fluorescent ES cells. Mechanisms of Development, 1998, 76, 79-90.	1.7	464
25	Synergism of Xist Rna, DNA Methylation, and Histone Hypoacetylation in Maintaining X Chromosome Inactivation. Journal of Cell Biology, 2001, 153, 773-784.	2.3	424
26	CCR2 recruits an inflammatory macrophage subpopulation critical for angiogenesis in tissue repair. Blood, 2012, 120, 613-625.	0.6	410
27	A Mouse for All Reasons. Cell, 2007, 128, 9-13.	13.5	396
28	Niche-mediated control of human embryonic stem cell self-renewal and differentiation. EMBO Journal, 2007, 26, 4744-4755.	3.5	365
29	Mice lacking histidine decarboxylase exhibit abnormal mast cells. FEBS Letters, 2001, 502, 53-56.	1.3	361
30	Genomic imprinting of Mash2, a mouse gene required for trophoblast development. Nature Genetics, 1995, 9, 235-242.	9.4	359
31	Placental but Not Heart Defects Are Associated with Elevated Hypoxia-Inducible Factor Î± Levels in Mice Lacking Prolyl Hydroxylase Domain Protein 2. Molecular and Cellular Biology, 2006, 26, 8336-8346.	1.1	358
32	Placental cell fates are regulated in vivo by HIF-mediated hypoxia responses. Genes and Development, 2000, 14, 3191-3203.	2.7	349
33	Antigen Receptorâ€“Induced Activation and Cytoskeletal Rearrangement Are Impaired in Wiskott-Aldrich Syndrome Proteinâ€“Deficient Lymphocytes. Journal of Experimental Medicine, 1999, 190, 1329-1342.	4.2	346
34	MBNL proteins repress ES-cell-specific alternative splicing and reprogramming. Nature, 2013, 498, 241-245.	13.7	326
35	An Alternative Splicing Switch Regulates Embryonic Stem Cell Pluripotency and Reprogramming. Cell, 2011, 147, 132-146.	13.5	325
36	Conditional and inducible transgene expression in mice through the combinatorial use of Cre-mediated recombination and tetracycline induction. Nucleic Acids Research, 2005, 33, e51-e51.	6.5	317

#	Article	IF	Citations
37	Imprinted X inactivation maintained by a mouse Polycomb group gene. Nature Genetics, 2001, 28, 371-375.	9.4	307
38	Mouse in red: Red fluorescent protein expression in mouse ES cells, embryos, and adult animals. Genesis, 2004, 40, 241-246.	0.8	293
39	The mammalian gene function resource: the international knockout mouse consortium. Mammalian Genome, 2012, 23, 580-586.	1.0	292
40	Regulation of Murine Telomere Length by Rtel. Cell, 2004, 117, 873-886.	13.5	283
41	Non-injection methods for the production of embryonic stem cell-embryo chimaeras. Nature, 1993, 365, 87-89.	13.7	281
42	Transposon-mediated genome manipulation in vertebrates. Nature Methods, 2009, 6, 415-422.	9.0	280
43	Glycogen Synthase Kinase 3Î±-Specific Regulation of Murine Hepatic Glycogen Metabolism. Cell Metabolism, 2007, 6, 329-337.	7.2	271
44	Distinct Functions for Wnt/Î²-Catenin in Hair Follicle Stem Cell Proliferation and Survival and Interfollicular Epidermal Homeostasis. Cell Stem Cell, 2013, 13, 720-733.	5.2	270
45	Multiple Developmental Roles of VEGF Suggested by a LacZ-Tagged Allele. Developmental Biology, 1999, 212, 307-322.	0.9	259
46	Adipose Vascular Endothelial Growth Factor Regulates Metabolic Homeostasis through Angiogenesis. Cell Metabolism, 2013, 17, 61-72.	7.2	252
47	Cortical and retinal defects caused by dosage-dependent reductions in VEGF-A paracrine signaling. Developmental Biology, 2003, 262, 225-241.	0.9	243
48	Adult Neural Stem Cells from the Subventricular Zone Give Rise to Reactive Astrocytes in the Cortex after Stroke. Cell Stem Cell, 2015, 17, 624-634.	5.2	235
49	Conditional loss of PTEN leads to testicular teratoma and enhances embryonic germ cell production. Development (Cambridge), 2003, 130, 1691-1700.	1.2	218
50	Vascular Endothelial Growth Factor A Signaling in the Podocyte-Endothelial Compartment Is Required for Mesangial Cell Migration and Survival. Journal of the American Society of Nephrology: JASN, 2006, 17, 724-735.	3.0	217
51	Embryonic stem cells and mice expressing different GFP variants for multiple non-invasive reporter usage within a single animal. BMC Biotechnology, 2002, 2, 11.	1.7	216
52	Induced Pluripotent Stem Cell Lines Derived from Equine Fibroblasts. Stem Cell Reviews and Reports, 2011, 7, 693-702.	5.6	213
53	The organizer of the mouse gastrula is composed of a dynamic population of progenitor cells for the axial mesoderm. Development (Cambridge), 2001, 128, 3623-3634.	1.2	212
54	Mash2 Acts Cell Autonomously in Mouse Spongiotrophoblast Development. Developmental Biology, 1997, 190, 55-65.	0.9	207

#	Article	IF	Citations
55	Tbx20 dose-dependently regulates transcription factor networks required for mouse heart and motoneuron development. Development (Cambridge), 2005, 132, 2463-2474.	1.2	205
56	Developmental and adult phenotyping directly from mutant embryonic stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4455-4460.	3.3	202
57	A specific requirement for PDGF-C in palate formation and PDGFR-Î± signaling. Nature Genetics, 2004, 36, 1111-1116.	9.4	199
58	Dissecting the role of N-myc in development using a single targeting vector to generate a series of alleles. Current Biology, 1998, 8, 661-666.	1.8	197
59	Functional immobilization of signaling proteins enables control of stem cell fate. Nature Methods, 2008, 5, 645-650.	9.0	190
60	Establishment of Endoderm Progenitors by SOX Transcription Factor Expression in Human Embryonic Stem Cells. Cell Stem Cell, 2008, 3, 182-195.	5.2	190
61	Genome-wide characterization of the routes to pluripotency. Nature, 2014, 516, 198-206.	13.7	187
62	Site-specific cassette exchange and germline transmission with mouse ES cells expressing Ï†C31 integrase. Nature Biotechnology, 2003, 21, 321-324.	9.4	185
63	Increased skeletal VEGF enhances Î²-catenin activity and results in excessively ossified bones. EMBO Journal, 2010, 29, 424-441.	3.5	184
64	Activation of Î²-catenin signaling programs embryonic epidermis to hair follicle fate. Development (Cambridge), 2008, 135, 2161-2172.	1.2	179
65	Complex Interdependence Regulates Heterotypic Transcription Factor Distribution and Coordinates Cardiogenesis. Cell, 2016, 164, 999-1014.	13.5	179
66	Elevated Coding Mutation Rate During the Reprogramming of Human Somatic Cells into Induced Pluripotent Stem Cells. Stem Cells, 2012, 30, 435-440.	1.4	172
67	Hypoxia and Hypoxia-Inducible Factor-1 Target Genes in Central Nervous System Radiation Injury. Clinical Cancer Research, 2004, 10, 3342-3353.	3.2	171
68	Vascular endothelial growth factor controls neuronal migration and cooperates with Sema3A to pattern distinct compartments of the facial nerve. Genes and Development, 2004, 18, 2822-2834.	2.7	166
69	Injectable hydrogel promotes early survival of induced pluripotent stem cell-derived oligodendrocytes and attenuates longterm teratoma formation in a spinal cord injury model. Biomaterials, 2016, 83, 23-36.	5.7	159
70	Targeted insertion of Cre recombinase into the TNAP gene: Excision in primordial germ cells. Genesis, 2000, 26, 116-117.	0.8	151
71	Intermittent fasting promotes adipose thermogenesis and metabolic homeostasis via VEGF-mediated alternative activation of macrophage. Cell Research, 2017, 27, 1309-1326.	5.7	148
72	The control effect of histamine on body temperature and respiratory function in IgE-dependent systemic anaphylaxis. Journal of Allergy and Clinical Immunology, 2002, 110, 298-303.	1.5	144

#	Article	IF	Citations
73	Soluble FLT1 Binds Lipid Microdomains in Podocytes to Control Cell Morphology and Glomerular Barrier Function. Cell, 2012, 151, 384-399.	13.5	144
74	Insufficient VEGFA activity in yolk sac endoderm compromises haematopoietic and endothelial differentiation. Development (Cambridge), 2002, 129, 1881-1892.	1.2	144
75	<scp>VEGF</scp>â€<scp>A</scp> regulated by progesterone governs uterine angiogenesis and vascular remodelling during pregnancy. EMBO Molecular Medicine, 2013, 5, 1415-1430.	3.3	141
76	Transplantation of Induced Pluripotent Stem Cell-Derived Neural Stem Cells Mediate Functional Recovery Following Thoracic Spinal Cord Injury Through Remyelination of Axons. Stem Cells Translational Medicine, 2015, 4, 743-754.	1.6	140
77	Alkaline Phosphatase-Positive Colony Formation Is a Sensitive, Specific, and Quantitative Indicator of Undifferentiated Human Embryonic Stem Cells. Stem Cells, 2008, 26, 1109-1116.	1.4	137
78	Double Antiangiogenic Protein, DAAP, Targeting VEGF-A and Angiopoietins in Tumor Angiogenesis, Metastasis, and Vascular Leakage. Cancer Cell, 2010, 18, 171-184.	7.7	137
79	Non-invasive sexing of preimplantation stage mammalian embryos. Nature Genetics, 1998, 19, 220-222.	9.4	135
80	Concise Review: Embryonic Stem Cells Versus Induced Pluripotent Stem Cells: The Game Is On. Stem Cells, 2012, 30, 10-14.	1.4	129
81	Simple piggyBac transposon-based mammalian cell expression system for inducible protein production. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5004-5009.	3.3	128
82	An induction gene trap screen in embryonic stem cells: Identification of genes that respond to retinoic acid in vitro.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 1677-1682.	3.3	125
83	Divergent reprogramming routes lead to alternative stem-cell states. Nature, 2014, 516, 192-197.	13.7	123
84	Engineering universal cells that evade immune detection. Nature Reviews Immunology, 2019, 19, 723-733.	10.6	123
85	Investigation on carp, Cyprinus carpio L. gynogenesis. Journal of Fish Biology, 1978, 13, 215-224.	0.7	122
86	Heterogeneous Vascular Dependence of Tumor Cell Populations. American Journal of Pathology, 2001, 158, 1325-1334.	1.9	121
87	Stem Cell Bioengineering. Annual Review of Biomedical Engineering, 2001, 3, 275-305.	5.7	121
88	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. Annals of the New York Academy of Sciences, 1997, 811, 191-206.	1.8	119
89	An X-linked GFP transgene reveals unexpected paternal X-chromosome activity in trophoblastic giant cells of the mouse placenta. Genesis, 2001, 29, 133-140.	0.8	112
90	Genome engineering: the new mouse genetics. Nature Medicine, 1995, 1, 592-594.	15.2	111

#	Article	IF	Citations
91	Lin28 promotes the proliferative capacity of neural progenitor cells in brain development. Development (Cambridge), 2015, 142, 1616-1627.	1.2	109
92	An epigenomic roadmap to induced pluripotency reveals DNA methylation as a reprogramming modulator. Nature Communications, 2014, 5, 5619.	5.8	108
93	Mice Null for Sox18 Are Viable and Display a Mild Coat Defect. Molecular and Cellular Biology, 2000, 20, 9331-9336.	1.1	106
94	Disruption of the endocytic protein HIP1 results in neurological deficits and decreased AMPA receptor trafficking. EMBO Journal, 2003, 22, 3254-3266.	3.5	102
95	Efficient Generation of Germ Line Transmitting Chimeras from C57BL/6N ES Cells by Aggregation with Outbred Host Embryos. PLoS ONE, 2010, 5, e11260.	1.1	102
96	Linking a cell-division gene and a suicide gene to define and improve cell therapy safety. Nature, 2018, 563, 701-704.	13.7	101
97	Points to consider in the development of seed stocks of pluripotent stem cells for clinical applications: International Stem Cell Banking Initiative (ISCBI). Regenerative Medicine, 2015, 10, 1-44.	0.8	100
98	Efficient mouse transgenesis using Gateway-compatible ROSA26 locus targeting vectors and F1 hybrid ES cells. Nucleic Acids Research, 2009, 37, e55-e55.	6.5	99
99	Derivation, expansion and differentiation of induced pluripotent stem cells in continuous suspension cultures. Nature Methods, 2012, 9, 509-516.	9.0	98
100	The color of mice: in the light of GFP-variant reporters. Histochemistry and Cell Biology, 2001, 115, 49-58.	0.8	97
101	The mouse Pdgfc gene: dynamic expression in embryonic tissues during organogenesis. Mechanisms of Development, 2000, 96, 209-213.	1.7	96
102	Vascular Endothelial Growth Factor Directly Inhibits Primitive Neural Stem Cell Survival But Promotes Definitive Neural Stem Cell Survival. Journal of Neuroscience, 2006, 26, 6803-6812.	1.7	95
103	Induced triploidy in carp, Cyprinus carpio L.. Journal of Fish Biology, 1980, 17, 667-671.	0.7	93
104	Parental origin-specific expression of Mash2 is established at the time of implantation with its imprinting mechanism highly resistant to genome-wide demethylation. Mechanisms of Development, 1999, 87, 129-142.	1.7	93
105	Targeted deletion of histidine decarboxylase gene in mice increases bone formation and protects against ovariectomy-induced bone loss. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6027-6032.	3.3	87
106	Hyperleptinemia, Visceral Adiposity, and Decreased Glucose Tolerance in Mice with a Targeted Disruption of the Histidine Decarboxylase Gene. Endocrinology, 2003, 144, 4306-4314.	1.4	84
107	Gastric acid secretion in L-histidine decarboxylaseâ€“deficient mice. Gastroenterology, 2002, 122, 145-155.	0.6	82
108	Wnt/Î²-Catenin Signaling Regulates Postnatal Development and Regeneration of the Salivary Gland. Stem Cells and Development, 2010, 19, 1793-1801.	1.1	80

#	Article	IF	Citations
109	Inducible deletion of epidermal Dicer and Drosha reveals multiple functions for miRNAs in postnatal skin. Development (Cambridge), 2012, 139, 1405-1416.	1.2	80
110	Immune privilege of the CNS is not the consequence of limited antigen sampling. Scientific Reports, 2014, 4, 4422.	1.6	77
111	Placental cell fates are regulated in vivo by HIF-mediated hypoxia responses. Genes and Development, 2000, 14, 3191-3203.	2.7	77
112	Lunatic Fringe-mediated Notch signaling is required for lung alveogenesis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 298, L45-L56.	1.3	76
113	CD24 tracks divergent pluripotent states in mouse and human cells. Nature Communications, 2015, 6, 7329.	5.8	76
114	Cell competition during reprogramming gives rise to dominant clones. Science, 2019, 364, .	6.0	76
115	Hyperglycemia-Induced Vasculopathy in the Murine Conceptus Is Mediated via Reductions of VEGF-A Expression and VEGF Receptor Activation. American Journal of Pathology, 2001, 158, 1199-1206.	1.9	75
116	Impaired intervertebral disc formation in the absence ofJun. Development (Cambridge), 2003, 130, 103-109.	1.2	75
117	Creation and Use of a Cre Recombinase Transgenic Database. Methods in Molecular Biology, 2009, 530, 365-378.	0.4	75
118	Zonadhesin Is Essential for Species Specificity of Sperm Adhesion to the Egg Zona Pellucida. Journal of Biological Chemistry, 2010, 285, 24863-24870.	1.6	74
119	Targeted disruption of Huntingtin-associated protein-1 (Hap1) results in postnatal death due to depressed feeding behavior. Human Molecular Genetics, 2002, 11, 945-959.	1.4	73
120	Angptl 4 deficiency improves lipid metabolism, suppresses foam cell formation and protects against atherosclerosis. Biochemical and Biophysical Research Communications, 2009, 379, 806-811.	1.0	73
121	KLK5 Inactivation Reverses Cutaneous Hallmarks of Netherton Syndrome. PLoS Genetics, 2015, 11, e1005389.	1.5	73
122	Tailoring the genome: the power of genetic approaches. Nature Genetics, 2003, 33, 276-284.	9.4	72
123	Oct4 Is Required â^¼E7.5 for Proliferation in the Primitive Streak. PLoS Genetics, 2013, 9, e1003957.	1.5	72
124	Expression and regulation of neuropilin-1 in human astrocytomas. International Journal of Cancer, 2000, 88, 584-592.	2.3	69
125	Plasma extravasation induced by dietary supplemented histamine in histamine-free mice. European Journal of Immunology, 2002, 32, 1698.	1.6	66
126	Sex Reversal in Carp (Cyprinus carpio) by Oral Administration of Methyltestosterone. Canadian Journal of Fisheries and Aquatic Sciences, 1981, 38, 725-728.	0.7	65

#	Article	IF	Citations
127	Conditional genome alteration in mice. BioEssays, 1998, 20, 200-208.	1.2	64
128	Alternative Induced Pluripotent Stem Cell Characterization Criteria for In Vitro Applications. Cell Stem Cell, 2009, 4, 198-199.	5.2	64
129	Mash2 is expressed in oogenesis and preimplantation development but is not required for blastocyst formation. Mechanisms of Development, 1998, 73, 183-191.	1.7	62
130	Sirtuin 1 Facilitates Generation of Induced Pluripotent Stem Cells from Mouse Embryonic Fibroblasts through the miR-34a and p53 Pathways. PLoS ONE, 2012, 7, e45633.	1.1	62
131	Contrasting effects of VEGF gene disruption in embryonic stem cell-derived versus oncogene-induced tumors. EMBO Journal, 2003, 22, 4091-4102.	3.5	60
132	Efficient derivation of human trophoblast stem cells from primed pluripotent stem cells. Science Advances, 2021, 7, .	4.7	60
133	Synaptic Dysfunction in Human Neurons With Autism-Associated Deletions in PTCHD1-AS. Biological Psychiatry, 2020, 87, 139-149.	0.7	57
134	A review of astrocytoma models. Neurosurgical Focus, 2000, 8, 1-8.	1.0	56
135	Comment on "Failure of Bone Marrow Cells to Transdifferentiate into Neural Cells in Vivo". Science, 2003, 299, 1184b-1184.	6.0	55
136	Small RNA changes en route to distinct cellular states of induced pluripotency. Nature Communications, 2014, 5, 5522.	5.8	54
137	Insufficient VEGFA activity in yolk sac endoderm compromises haematopoietic and endothelial differentiation. Development (Cambridge), 2002, 129, 1881-92.	1.2	54
138	Ras pathway inhibition prevents neovascularization by repressing endothelial cell sprouting. Journal of Clinical Investigation, 2013, 123, 4900-4908.	3.9	53
139	Î±3(V) Collagen is critical for glucose homeostasis in mice due to effects in pancreatic islets and peripheral tissues. Journal of Clinical Investigation, 2011, 121, 769-783.	3.9	52
140	Hedgehog regulates distinct vascular patterning events through VEGF-dependent and -independent mechanisms. Blood, 2010, 116, 653-660.	0.6	51
141	Transgene-Free Production of Pluripotent Stem Cells Using piggyBac Transposons. Methods in Molecular Biology, 2011, 767, 87-103.	0.4	50
142	The Generation of Definitive Neural Stem Cells from PiggyBac Transposon-Induced Pluripotent Stem Cells Can Be Enhanced by Induction of the NOTCH Signaling Pathway. Stem Cells and Development, 2013, 22, 383-396.	1.1	50
143	ARS2 Is a Conserved Eukaryotic Gene Essential for Early Mammalian Development. Molecular and Cellular Biology, 2008, 28, 1503-1514.	1.1	49
144	FACS for the isolation of individual cells from transgenic mice harboring a fluorescent protein reporter. Genesis, 2000, 27, 95-98.	0.8	48

#	Article	IF	Citations
145	Accelerated Clearance ofEscherichia coliin Experimental Peritonitis of Histamine-Deficient Mice. Journal of Immunology, 2002, 169, 1978-1983.	0.4	48
146	Combined delivery of chondroitinase ABC and human induced pluripotent stem cell-derived neuroepithelial cells promote tissue repair in an animal model of spinal cord injury. Biomedical Materials (Bristol), 2018, 13, 024103.	1.7	47
147	Nestin Regulates Neurogenesis in Mice Through Notch Signaling From Astrocytes to Neural Stem Cells. Cerebral Cortex, 2019, 29, 4050-4066.	1.6	46
148	Supplementation-dependent differences in the rates of embryonic stem cell self-renewal, differentiation, and apoptosis. Biotechnology and Bioengineering, 2003, 84, 505-517.	1.7	45
149	Nestin Is Not Essential for Development of the CNS But Required for Dispersion of Acetylcholine Receptor Clusters at the Area of Neuromuscular Junctions. Journal of Neuroscience, 2011, 31, 11547-11552.	1.7	45
150	Progress made in the reprogramming field: new factors, new strategies and a new outlook. Current Opinion in Genetics and Development, 2012, 22, 435-443.	1.5	45
151	Proteome adaptation in cell reprogramming proceeds via distinct transcriptional networks. Nature Communications, 2014, 5, 5613.	5.8	45
152	Transgenic targeting with regulatory elements of the humanCD34 gene. Blood, 2002, 100, 4410-4419.	0.6	43
153	Long-term reconstitution of the mouse hematopoietic system by embryonic stem cell-derived fetal liver.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 7514-7517.	3.3	42
154	Selection for transgene homozygosity in embryonic stem cells results in extensive loss of heterozygosity. Nature Genetics, 2001, 27, 257-258.	9.4	42
155	Cartilage Tissue Formation Using Redifferentiated Passaged ChondrocytesIn Vitro. Tissue Engineering - Part A, 2009, 15, 665-673.	1.6	42
156	Irx3 is required for postnatal maturation of the mouse ventricular conduction system. Scientific Reports, 2016, 6, 19197.	1.6	42
157	Genetic analysis in carp (Cyprinus carpio) using gynogenesis. Heredity, 1979, 43, 35-40.	1.2	40
158	Human embryonic stem cells secrete soluble factors that inhibit cancer cell growth. Cell Proliferation, 2009, 42, 788-798.	2.4	40
159	Targeted mutagenesis: analysis of phenotype without germ line transmission.. Journal of Clinical Investigation, 1996, 97, 1360-1365.	3.9	40
160	c-Mybâ€“Dependent Smooth Muscle Cell Differentiation. Circulation Research, 2008, 102, 554-561.	2.0	39
161	A Panel of CpG Methylation Sites Distinguishes Human Embryonic Stem Cells and Induced Pluripotent Stem Cells. Stem Cell Reports, 2014, 2, 36-43.	2.3	37
162	VEGF-A from Granuloma Macrophages Regulates Granulomatous Inflammation by a Non-angiogenic Pathway during Mycobacterial Infection. Cell Reports, 2019, 27, 2119-2131.e6.	2.9	37

#	Article	IF	Citations
163	Human Pluripotency Is Initiated and Preserved by a Unique Subset of Founder Cells. Cell, 2019, 177, 910-924.e22.	13.5	36
164	Initial cell maturity changes following transplantation in a hyaluronan-based hydrogel and impacts therapeutic success in the stroke-injured rodent brain. Biomaterials, 2019, 192, 309-322.	5.7	36
165	Aggregation Chimeras: Combining ES Cells, Diploid, and Tetraploid Embryos. Methods in Molecular Biology, 2009, 530, 287-309.	0.4	35
166	Impaired mesenchymal stem cell differentiation and osteoclastogenesis in mice deficient for Igf2-P2 transcripts. Development (Cambridge), 2011, 138, 203-213.	1.2	35
167	The ROSA26-iPSC Mouse: A Conditional, Inducible, and Exchangeable Resource for Studying Cellular (De)Differentiation. Cell Reports, 2013, 3, 335-341.	2.9	35
168	SCL interacts with VEGF to suppress apoptosis at the onset of hematopoiesis. Development (Cambridge), 2004, 131, 693-702.	1.2	34
169	Gene-trap-based target site for Cre-mediated transgenic insertion. Genesis, 2000, 26, 245-252.	0.8	33
170	Soluble Flt-1 Regulates Flk-1 Activation to Control Hematopoietic and Endothelial Development in an Oxygen-Responsive Manner. Stem Cells, 2008, 26, 2832-2842.	1.4	33
171	Î²-catenin Initiates Tooth Neogenesis in Adult Rodent Incisors. Journal of Dental Research, 2010, 89, 909-914.	2.5	33
172	Mouse models for human disease. Clinical Genetics, 2000, 57, 237-244.	1.0	32
173	In Vitro Maturation of Human iPSC-Derived Neuroepithelial Cells Influences Transplant Survival in the Stroke-Injured Rat Brain. Tissue Engineering - Part A, 2018, 24, 351-360.	1.6	32
174	The mysteries of induced pluripotency: where will they lead?. Nature Methods, 2010, 7, 22-24.	9.0	31
175	Human Induced Pluripotent Stem Cells: The Past, Present, and Future. Clinical Pharmacology and Therapeutics, 2011, 89, 741-745.	2.3	30
176	Modeling correction of severe urea cycle defects in the growing murine liver using a hybrid recombinant adenoâ€associated virus/piggyBac transposase gene delivery system. Hepatology, 2015, 62, 417-428.	3.6	30
177	Generation of Induced Progenitor-like Cells from Mature Epithelial Cells Using Interrupted Reprogramming. Stem Cell Reports, 2017, 9, 1780-1795.	2.3	30
178	Thyroid Hormones and Derivatives Inhibit Flunitrazepam Binding. Journal of Neurochemistry, 1983, 40, 414-417.	2.1	29
179	Chapter 16 Embryonic Stem Cells, Creating Transgenic Animals. Methods in Cell Biology, 1998, 57, 279-293.	0.5	29
180	Bone marrowâ€derived mast cell differentiation is strongly reduced in histidine decarboxylase knockout, histamineâ€free mice. International Immunology, 2002, 14, 381-387.	1.8	29

#	Article	IF	Citations
181	Vascular Endothelial Growth Factorâ€"A Positive and Negative Regulator of Tumor Growth. Cancer Research, 2010, 70, 863-867.	0.4	29
182	Genetic aberrations in iPSCs are introduced by a transient G1/S cell cycle checkpoint deficiency. Nature Communications, 2020, 11, 197.	5.8	29
183	Genetic and Developmental Analysis of X-Inactivation in Interspecific Hybrid Mice Suggests a Role for the Y Chromosome in Placental Dysplasia. Genetics, 2001, 157, 341-348.	1.2	28
184	Histidine decarboxylase deficiency in gene knockout mice elevates male sex steroid production. Journal of Endocrinology, 2002, 175, 193-199.	1.2	27
185	Cre recombinase: The universal reagent for genome tailoring. Genesis, 2000, 26, 99.	0.8	27
186	Phenotypic analyses of mouse embryos with ubiquitous expression of Oct4: Effects on mid-hindbrain patterning and gene expression. Developmental Dynamics, 2005, 232, 180-190.	0.8	26
187	PhiC31 integrase facilitates genetic approaches combining multiple recombinases. Methods, 2011, 53, 380-385.	1.9	26
188	Antisenescence effect of mouse embryonic stem cell conditioned medium through a PDGF/FGF pathway. FASEB Journal, 2016, 30, 1276-1286.	0.2	26
189	A new breeding system using gynogenesis and sex-reversal for fast inbreeding in carp. Theoretical and Applied Genetics, 1984, 67, 485-490.	1.8	25
190	Aggregation Chimeras: Combining ES Cells, Diploid and Tetraploid Embryos. , 2001, 158, 135-154.		25
191	Donor hematopoietic cells from transgenic mice that express GFP are immunogenic in immunocompetent recipients. Hematology, 2005, 10, 289-295.	0.7	25
192	Genome manipulation in embryonic stem cells. Philosophical Transactions of the Royal Society B: Biological Sciences, 1993, 339, 207-215.	1.8	24
193	Enhanced natural-killer cell and erythropoietic activities in VEGF-Aâ€"overexpressing mice delay F-MuLVâ€"induced erythroleukemia. Blood, 2007, 109, 2139-2146.	0.6	24
194	Passaged human chondrocytes accumulate extracellular matrix when induced by bovine chondrocytes. Journal of Tissue Engineering and Regenerative Medicine, 2010, 4, 233-241.	1.3	24
195	Genome damage in induced pluripotent stem cells: Assessing the mechanisms and their consequences. BioEssays, 2013, 35, 152-162.	1.2	24
196	Generation, Characterization, and Multilineage Potency of Mesenchymal-Like Progenitors Derived from Equine Induced Pluripotent Stem Cells. Stem Cells and Development, 2016, 25, 80-89.	1.1	24
197	Changes of genetic parameters in successive gynogenetic generations and some calculations for carp gynogenesis. Theoretical and Applied Genetics, 1982, 63, 105-110.	1.8	23
198	Creation and Use of a Cre Recombinase Transgenic Database. , 2001, 158, 95-106.		23

#	Article	IF	Citations
199	Hyperphenylalaninemia and Impaired Glucose Tolerance in Mice Lacking the Bifunctional DCoH Gene. Journal of Biological Chemistry, 2002, 277, 28884-28891.	1.6	23
200	Murine Embryonic Stem Cells. Methods in Enzymology, 2006, 418, 3-21.	0.4	23
201	Vegf regulates embryonic erythroid development through Gata1 modulation. Blood, 2010, 116, 2141-2151.	0.6	23
202	Angptl4 deficiency decreases serum triglyceride levels in low-density lipoprotein receptor knockout mice and streptozotocin-induced diabetic mice. Biochemical and Biophysical Research Communications, 2011, 409, 177-180.	1.0	23
203	Hydrogel-mediated co-transplantation of retinal pigmented epithelium and photoreceptors restores vision in an animal model of advanced retinal degeneration. Biomaterials, 2020, 257, 120233.	5.7	23
204	Role of the Rap1 GTPase in astrocyte growth regulation. Glia, 2003, 42, 225-234.	2.5	22
205	KrÃ¼ppel-like factor 4, a â€œpluripotency transcription factorâ€•highly expressed in male postmeiotic germ cells, is dispensable for spermatogenesis in the mouse. Mechanisms of Development, 2009, 126, 650-664.	1.7	22
206	Multifaceted role of vascular endothelial growth factor signaling in adult tissue physiology: an emerging concept with clinical implications. Current Opinion in Hematology, 2010, 17, 1.	1.2	22
207	Stem Cell Therapy for the Kidney. Journal of the American Society of Nephrology: JASN, 2010, 21, 1070-1072.	3.0	22
208	Non-CpG Methylation Occurs in the Regulatory Region of the Sry Gene. Journal of Reproduction and Development, 2011, 57, 586-593.	0.5	22
209	An Abbreviated Protocol for In Vitro Generation of Functional Human Embryonic Stem Cell-Derived Beta-Like Cells. PLoS ONE, 2016, 11, e0164457.	1.1	21
210	VEGFR2 but not VEGFR3 governs integrity and remodeling of thyroid angiofollicular unit in normal state and during goitrogenesis. EMBO Molecular Medicine, 2017, 9, 750-769.	3.3	21
211	Transcription factor ASCL2 is required for development of the glycogen trophoblast cell lineage. PLoS Genetics, 2018, 14, e1007587.	1.5	21
212	Human stem cells harboring a suicide gene improve theÂsafety and standardisation of neural transplants in Parkinsonian rats. Nature Communications, 2021, 12, 3275.	5.8	21
213	â€œAgouti NODâ€• identification of a CBA-derived Idd locus on Chromosome 7 and its use for chimera production with NOD embryonic stem cells. Mammalian Genome, 2005, 16, 775-783.	1.0	20
214	Nestin contributes to skeletal muscle homeostasis and regeneration. Journal of Cell Science, 2017, 130, 2833-2842.	1.2	20
215	Bone Marrow Transplantation Results in Human Donor Blood Cells Acquiring and Displaying Mouse Recipient Class I MHC and CD45 Antigens on Their Surface. PLoS ONE, 2009, 4, e8489.	1.1	20
216	Ectopic expression of KitD814Yin spermatids of transgenic mice, interferes with sperm morphogenesis. Developmental Dynamics, 2005, 233, 29-40.	0.8	19

#	Article	IF	Citations
217	Local BMP-SMAD1 Signaling Increases LIF Receptor-Dependent STAT3 Responsiveness and Primed-to-Naive Mouse Pluripotent Stem Cell Conversion Frequency. Stem Cell Reports, 2014, 3, 156-168.	2.3	18
218	Cre recombinase specificity defined by thetau locus. Genesis, 2004, 40, 131-138.	0.8	17
219	The Use of Fresh Embryos in Stem Cell Research: Ethical and Policy Issues. Cell Stem Cell, 2008, 2, 416-421.	5.2	17
220	Cre Recombinase Mediated Alterations of the Mouse Genome Using Embryonic Stem Cells. Methods in Molecular Biology, 2008, 461, 111-132.	0.4	17
221	Inverse regulation of interleukin-6 (IL-6) and IL-6 receptor in histamine deficient histidine decarboxylase-knock-out mice. Immunology Letters, 2002, 80, 151-154.	1.1	16
222	Conditional and inducible transgene expression in mice through the combinatorial use of Cre-mediated recombination and tetracycline induction. Nucleic Acids Research, 2005, 33, 2765-2765.	6.5	16
223	Production of Mouse Chimeras by Aggregating Pluripotent Stem Cells with Embryos. Methods in Enzymology, 2010, 476, 123-149.	0.4	16
224	Local acting S tickyâ€trap inhibits vascular endothelial growth factor dependent pathological angiogenesis in the eye. EMBO Molecular Medicine, 2014, 6, 604-623.	3.3	16
225	Activated Fps/Fes partially rescues the in vivo developmental potential of Flk1-deficient vascular progenitor cells. Blood, 2004, 103, 912-920.	0.6	15
226	Human embryonic fibroblasts support single cell enzymatic expansion of human embryonic stem cells in xeno-free cultures. Stem Cell Research, 2011, 6, 70-82.	0.3	15
227	Fluctuations in histone H4 isoforms during cellular reprogramming monitored by middleâ€down proteomics. Proteomics, 2015, 15, 3219-3231.	1.3	15
228	Occurrence of aneuploidy in radiation gynogenesis of carp, Cyprinus carpio L.. Journal of Fish Biology, 1980, 16, 435-439.	0.7	14
229	Epigenetic and Phenotypic Consequences of a Truncation Disrupting the Imprinted Domain on Distal Mouse Chromosome 7. Molecular and Cellular Biology, 2008, 28, 1092-1103.	1.1	14
230	Trophoblast-Specific Reduction of VEGFA Alters Placental Gene Expression and Maternal Cardiovascular Function in Mice1. Biology of Reproduction, 2014, 91, 87.	1.2	14
231	Enkephalin-hydrolyzing peptidases of rat brain membranes: Are they topographically/functionally coupled to opiate receptors?. Life Sciences, 1982, 31, 1861-1865.	2.0	13
232	Histamine deficiency suppresses murine haptoglobin production and modifies hepatic protein tyrosine phosphorylation. Cellular and Molecular Life Sciences, 2001, 58, 850-854.	2.4	13
233	Differential transformation capacity of neuro-glial progenitors during development. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14378-14383.	3.3	13
234	Induced Pluripotent Stem Cells and Disorders of the Nervous System. Neuroscientist, 2013, 19, 567-577.	2.6	13

#	Article	IF	Citations
235	Interrupted reprogramming of alveolar type II cells induces progenitor-like cells that ameliorate pulmonary fibrosis. Npj Regenerative Medicine, 2018, 3, 14.	2.5	13
236	The interval between Ins2 and Ascl2 is dispensable for imprinting centre function in the murine Beckwithâ€“Wiedemann region. Human Molecular Genetics, 2009, 18, 4255-4267.	1.4	12
237	Microenvironment-mediated reversion of epiblast stem cells by reactivation of repressed JAKâ€“STAT signaling. Integrative Biology (United Kingdom), 2012, 4, 1367.	0.6	12
238	The piggyBac Transposon as a Platform Technology for Somatic Cell Reprogramming Studies in Mouse. Methods in Molecular Biology, 2015, 1357, 1-22.	0.4	12
239	In Vitro Suppression of T Cell Proliferation Is a Conserved Function of Primary and Immortalized Human Cancer-Associated Fibroblasts. International Journal of Molecular Sciences, 2021, 22, 1827.	1.8	11
240	Cre Recombinase Mediated Alterations of the Mouse Genome Using Embryonic Stem Cells. , 1999, 97, 101-122.		10
241	ES Cell-Mediated Conditional Transgenesis. , 2002, 185, 285-307.		10
242	Gastrulation and Angiogenesis, Not Endothelial Specification, Is Sensitive to Partial Deficiency in Vascular Endothelial Growth Factor-A in Mice1. Biology of Reproduction, 2003, 69, 1852-1858.	1.2	10
243	iPS Cellâ€“Derived Cardiogenicity is Hindered by Sustained Integration of Reprogramming Transgenes. Circulation: Cardiovascular Genetics, 2014, 7, 667-676.	5.1	10
244	Rb1/Rbl1/Vhl loss induces mouse subretinal angiomatous proliferation and hemangioblastoma. JCI Insight, 2019, 4, .	2.3	9
245	Exogenous Mtv-7 superantigen transgene expression in major histocompatibility complex class II I-E- mice reconstituted with embryonic stem cell-derived hematopoietic stem cells.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 1138-1142.	3.3	8
246	Universal Stem Cells: Making the Unsafe Safe. Cell Stem Cell, 2020, 27, 198-199.	5.2	8
247	Modeling congenital cataract in vitro using patient-specific induced pluripotent stem cells. Npj Regenerative Medicine, 2021, 6, 60.	2.5	8
248	Nuclear transfer reprogramming does not improve the low developmental potency of embryonic stem cells induced by long-term culture. Reproduction, 2006, 132, 257-263.	1.1	7
249	Reprogramming Mouse Fibroblasts with piggyBac Transposons. Cold Spring Harbor Protocols, 2017, 2017, pdb.prot092627.	0.2	7
250	Conversion of human and mouse fibroblasts into lung-like epithelial cells. Scientific Reports, 2019, 9, 9027.	1.6	7
251	Recapitulating kidney development in vitro by priming and differentiating mouse embryonic stem cells in monolayers. Npj Regenerative Medicine, 2020, 5, 7.	2.5	7
252	In search of the tabula rasa of human cells. Nature Biotechnology, 1999, 17, 23-24.	9.4	6

#	Article	IF	Citations
253	Mice with Cre recombinase activatable PDGF-C expression. Genesis, 2002, 32, 181-183.	0.8	6
254	Secondary cell reprogramming systems: as years go by. Current Opinion in Genetics and Development, 2013, 23, 534-539.	1.5	6
255	Fetal hematopoietic stem cell homing is controlled by VEGF regulating the integrity and oxidative status of the stromal-vascular bone marrow niches. Cell Reports, 2021, 36, 109618.	2.9	6
256	Met-enkephalin binding to opiate receptors is not functionally coupled to biodegradation. Life Sciences, 1983, 33, 835-840.	2.0	5
257	Aggregation of Embryos and Embryonic Stem Cells. , 2003, 209, 201-230.		5
258	Rap1 activity is elevated in malignant astrocytomas independent of tuberous sclerosis complex-2 gene expression. International Journal of Oncology, 2003, 22, 195.	1.4	5
259	Highly efficient site-specific transgenesis in cancer cell lines. Molecular Cancer, 2012, 11, 89.	7.9	5
260	Deficiency of the serine peptidase Kallikrein 6 does not affect the levels and the pathological accumulation of aâ€synuclein in mouse brain. Journal of Neurochemistry, 2020, 157, 2024-2038.	2.1	5
261	The anabolic effect of inorganic polyphosphate on chondrocytes is mediated by calcium signalling. Journal of Orthopaedic Research, 2022, 40, 310-322.	1.2	5
262	Signal requirement for cortical potential of transplantable human neuroepithelial stem cells. Nature Communications, 2022, 13, .	5.8	5
263	Regioselective Biolistic Targeting in Organotypic Brain Slices Using a Modified Gene Gun. Journal of Visualized Experiments, 2014, , e52148.	0.2	4
264	Transplantation of Human Cortically-Specified Neuroepithelial Progenitor Cells Leads to Improved Functional Outcomes in a Mouse Model of Stroke. Frontiers in Cellular Neuroscience, 2021, 15, 654290.	1.8	4
265	Z/EG, a double reporter mouse line that expresses enhanced green fluorescent protein upon creâ€mediated excision. Genesis, 2000, 28, 147-155.	0.8	4
266	Derivation of Equine-Induced Pluripotent Stem Cell Lines Using a piggyBac Transposon Delivery System and Temporal Control of Transgene Expression. Methods in Molecular Biology, 2015, 1330, 79-88.	0.4	4
267	?-Adrenergic and muscarinic cholinergic receptors: Overlap in their genetic determination. Journal of Neuroscience Research, 1984, 12, 607-613.	1.3	3
268	Integrating piggyBac Transposon Transgenes into Mouse Fibroblasts Using Chemical Methods. Cold Spring Harbor Protocols, 2017, 2017, pdb.prot092619.	0.2	3
269	Inducible Protein Production in 293 Cells Using the piggyBac Transposon System. Methods in Molecular Biology, 2018, 1850, 57-68.	0.4	3
270	Targeted insertion of Cre recombinase into the TNAP gene: Excision in primordial germ cells. , 2000, 26, 116.		3

#	Article	IF	Citations
271	Conditional Gene Deletion in the Placenta Using the Cre-loxP System. , 2014, , 309-313.		2
272	Integrating piggyBac Transposon Transgenes into Mouse Fibroblasts by Electroporation. Cold Spring Harbor Protocols, 2017, 2017, pdb.prot092601.	0.2	2
273	The Production of Pluripotent Stem Cells from Mouse Amniotic Fluid Cells Using a Transposon System. Journal of Visualized Experiments, 2017, , .	0.2	2
274	Pyeloureteric magnetic anastomosis device to simplify laparoscopic pyeloplasty: a proofâ€ofâ€concept study. BJU International, 2021, 127, 409-411.	1.3	2
275	Targeted insertion of Cre recombinase into the TNAP gene: Excision in primordial germ cells. , 2000, 26, 116.		2
276	Genetic control of mouse trophoblast development. Placenta, 1998, 19, 1-11.	0.7	1
277	Extinction of Xist Improves Cloning. Cell Stem Cell, 2010, 7, 550-552.	5.2	1
278	In Vitro Screen to Identify Silent but Activatable (S/A) Integration Sites for a Tetracycline-Inducible Transgene in Mice. Cold Spring Harbor Protocols, 2018, 2018, pdb.prot092684.	0.2	1
279	Cre recombinase: The universal reagent for genome tailoring. , 2000, 26, 99.		1
280	Whole Mount Analysis of the Embryonic Vasculature. , 2004, , 325-336.		1
281	Inducible deletion of epidermal Dicer and Drosha reveals multiple functions for miRNAs in postnatal skin. Journal of Cell Science, 2012, 125, e1-e1.	1.2	1
282	Genetic manipulation of mice to study cardiovascular disease. Drug Discovery Today: Disease Models, 2004, 1, 243-248.	1.2	0
283	Following Ariadne's thread in the labyrinth of mouse phenotypes. Development (Cambridge), 2005, 132, 5130-5132.	1.2	0
284	Transposon-mediated reprogramming provides a powerful tool for understanding stem cell induction. Placenta, 2013, 34, A2.	0.7	0
285	Lineage Marking. , 2013, , 383-392.		0
286	700. Stable Correction of Severe Metabolic Liver Disease Phenotypes in the Growing Murine Liver Using a Hybrid rAAV/piggyBac Transposon Gene Delivery System. Molecular Therapy, 2015, 23, S279.	3.7	0
287	Response to: Where do you come from and what are you going to become, reactive astrocyte?. Stem Cell Investigation, 2016, 3, 32-32.	1.3	0
288	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.	0.3	0

#	Article	IF	Citations
289	Lineage Marking. , 2004, , 573-580.		0
290	Lineage Marking. , 2009, , 429-436.		0
291	Impaired mesenchymal stem cells differentiation and osteoclastogenesis in mice deficient for Igf2-P2 transcripts. Journal of Cell Science, 2011, 124, e1-e1.	1.2	0
292	Investigating the impact of cell maturity on transplantation success for CNS injury. FASEB Journal, 2020, 34, 1-1.	0.2	0
293	An Optical-Flow-Based Method to Quantify Dynamic Behavior of Human Pluripotent Stem Cell-Derived Cardiomyocytes in Disease Modeling Platforms. Methods in Molecular Biology, 2021, , 1.	0.4	0