

Tetsushi Sakuma

List of Publications by Year in Descending Order

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Version: 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

134
papers

5,717
citations

41
h-index

72
g-index

137
ext. papers

6,834
ext. citations

5.6
avg, IF

5.65
L-index

#	Paper	IF	Citations
134	Murine neonatal ketogenesis preserves mitochondrial energetics by preventing protein hyperacetylation. <i>Nature Metabolism</i> , 2021 , 3, 196-210	14.6	6
133	TALEN-Mediated Gene Editing of slc24a5 (Solute Carrier Family 24, Member 5) in <i>Kawakawa</i> , <i>Euthynnus affinis</i> . <i>Journal of Marine Science and Engineering</i> , 2021 , 9, 1378	2.4	4
132	Various strategies of effector accumulation to improve the efficiency of genome editing and derivative methodologies. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2020 , 56, 359-366	2.6	4
131	DJ-1 is indispensable for the S-nitrosylation of Parkin, which maintains function of mitochondria. <i>Scientific Reports</i> , 2020 , 10, 4377	4.9	11
130	Regenerating islet-derived protein (Reg)3 β plays a crucial role in attenuation of ileitis and colitis in mice. <i>Biochemistry and Biophysics Reports</i> , 2020 , 21, 100738	2.2	4
129	Three multi-allelic gene pairs are responsible for self-sterility in the ascidian <i>Ciona intestinalis</i> . <i>Scientific Reports</i> , 2020 , 10, 2514	4.9	6
128	Development of a protein-based system for transient epigenetic repression of immune checkpoint molecule and enhancement of antitumour activity of natural killer cells. <i>British Journal of Cancer</i> , 2020 , 122, 823-834	8.7	4
127	Six1 is required for signaling center formation and labial-lingual asymmetry in developing lower incisors. <i>Developmental Dynamics</i> , 2020 , 249, 1098-1116	2.9	
126	GABA-Induced GnRH Release Triggers Chordate Metamorphosis. <i>Current Biology</i> , 2020 , 30, 1555-1561.e43	6.3	10
125	EDEM2 stably disulfide-bonded to TXNDC11 catalyzes the first mannose trimming step in mammalian glycoprotein ERAD. <i>ELife</i> , 2020 , 9,	8.9	17
124	Hox13 is essential for formation of a sensory organ at the terminal end of the sperm duct in <i>Ciona</i> . <i>Developmental Biology</i> , 2020 , 458, 120-131	3.1	4
123	Reinvestigation of Disulfide-bonded Oligomeric Forms of the Unfolded Protein Response Transducer ATF6. <i>Cell Structure and Function</i> , 2020 , 45, 9-21	2.2	6
122	ARHGAP10, which encodes Rho GTPase-activating protein 10, is a novel gene for schizophrenia risk. <i>Translational Psychiatry</i> , 2020 , 10, 247	8.6	12
121	Efficient and multiplexable genome editing using Platinum TALENs in oleaginous microalga, <i>Nannochloropsis oceanica</i> NIES-2145. <i>Genes To Cells</i> , 2020 , 25, 695-702	2.3	12
120	Pathological characteristics of <i>Ccdc85c</i> knockout rats: a rat model of genetic hydrocephalus. <i>Experimental Animals</i> , 2020 , 69, 26-33	1.8	4
119	Targeted mutagenesis of the ryanodine receptor by Platinum TALENs causes slow swimming behaviour in Pacific bluefin tuna (<i>Thunnus orientalis</i>). <i>Scientific Reports</i> , 2019 , 9, 13871	4.9	8
118	TAp63 represses transcription of MYCN/NCYM gene and its high levels of expression are associated with favorable outcome in neuroblastoma. <i>Biochemical and Biophysical Research Communications</i> , 2019 , 518, 311-318	3.4	5

117	Humanized UGT2 and CYP3A transchromosomal rats for improved prediction of human drug metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3072-3081	11.5	15
116	Anephrogenic phenotype induced by SALL1 gene knockout in pigs. <i>Scientific Reports</i> , 2019 , 9, 8016	4.9	4
115	KLF1 mutation E325K induces cell cycle arrest in erythroid cells differentiated from congenital dyserythropoietic anemia patient-specific induced pluripotent stem cells. <i>Experimental Hematology</i> , 2019 , 73, 25-37.e8	3.1	11
114	Differential transactivation of the upstream aggrecan enhancer regulated by PAX1/9 depends on SOX9-driven transactivation. <i>Scientific Reports</i> , 2019 , 9, 4605	4.9	7
113	PDIP38/PolDIP2 controls the DNA damage tolerance pathways by increasing the relative usage of translesion DNA synthesis over template switching. <i>PLoS ONE</i> , 2019 , 14, e0213383	3.7	9
112	Activin Is Superior to BMP7 for Efficient Maintenance of Human iPSC-Derived Nephron Progenitors. <i>Stem Cell Reports</i> , 2019 , 13, 322-337	8	13
111	Establishment of knockout adult sea urchins by using a CRISPR-Cas9 system. <i>Development Growth and Differentiation</i> , 2019 , 61, 378-388	3	11
110	Efficient genome engineering using Platinum TALEN in potato. <i>Plant Biotechnology</i> , 2019 , 36, 167-173	1.3	22
109	Loss of HCN1 subunits causes absence epilepsy in rats. <i>Brain Research</i> , 2019 , 1706, 209-217	3.7	12
108	Nucleotide receptor P2RY4 is required for head formation via induction and maintenance of head organizer in <i>Xenopus laevis</i> . <i>Development Growth and Differentiation</i> , 2019 , 61, 186-197	3	4
107	Generation of D1-1 TALEN isogenic control cell line from Dravet syndrome patient iPSCs using TALEN-mediated editing of the SCN1A gene. <i>Stem Cell Research</i> , 2018 , 28, 100-104	1.6	9
106	Scleraxis is a transcriptional activator that regulates the expression of Tenomodulin, a marker of mature tenocytes and ligamentocytes. <i>Scientific Reports</i> , 2018 , 8, 3155	4.9	50
105	Microhomology-assisted scarless genome editing in human iPSCs. <i>Nature Communications</i> , 2018 , 9, 939	17.4	43
104	PLEKHN1 promotes apoptosis by enhancing Bax-Bak hetero-oligomerization through interaction with Bid in human colon cancer. <i>Cell Death Discovery</i> , 2018 , 4, 11	6.9	10
103	Unexpected heterogeneity derived from Cas9 ribonucleoprotein-introduced clonal cells at the HPRT1 locus. <i>Genes To Cells</i> , 2018 , 23, 255-263	2.3	6
102	Targeted knock-in of an scFv-Fc antibody gene into the hprt locus of Chinese hamster ovary cells using CRISPR/Cas9 and CRIS-PITCh systems. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 125, 599-605 ³⁻³	3.3	17
101	Electroporation-mediated genome editing in vitrified/warmed mouse zygotes created by IVF via ultra-superovulation. <i>Experimental Animals</i> , 2018 , 67, 535-543	1.8	13
100	Biased genome editing using the local accumulation of DSB repair molecules system. <i>Nature Communications</i> , 2018 , 9, 3270	17.4	15

99	Tailor-made gene silencing of <i>Staphylococcus aureus</i> clinical isolates by CRISPR interference. <i>PLoS ONE</i> , 2018 , 13, e0185987	3.7	15
98	Cancer induction and suppression with transcriptional control and epigenome editing technologies. <i>Journal of Human Genetics</i> , 2018 , 63, 187-194	4.3	5
97	MET Activation by a Macrocyclic Peptide Agonist that Couples to Biological Responses Differently from HGF in a Context-Dependent Manner. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	5
96	Generation of and characterization of anti-IL-11 antibodies using newly established IL11-deficient mice. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 505, 453-459	3.4	6
95	Acceleration of cancer science with genome editing and related technologies. <i>Cancer Science</i> , 2018 , 109, 3679-3685	6.9	13
94	Organoids from Nephrotic Disease-Derived iPSCs Identify Impaired NEPHRIN Localization and Slit Diaphragm Formation in Kidney Podocytes. <i>Stem Cell Reports</i> , 2018 , 11, 727-740	8	72
93	Differential micronucleus frequency in isogenic human cells deficient in DNA repair pathways is a valuable indicator for evaluating genotoxic agents and their genotoxic mechanisms. <i>Environmental and Molecular Mutagenesis</i> , 2018 , 59, 529-538	3.2	6
92	Identification of a cell-penetrating peptide applicable to a protein-based transcription activator-like effector expression system for cell engineering. <i>Biomaterials</i> , 2018 , 173, 11-21	15.6	10
91	Cas9, Cpf1 and C2c1/2/3-What's next?. <i>Bioengineered</i> , 2017 , 8, 265-273	5.7	58
90	Germ cell regeneration-mediated, enhanced mutagenesis in the ascidian <i>Ciona intestinalis</i> reveals flexible germ cell formation from different somatic cells. <i>Developmental Biology</i> , 2017 , 423, 111-125	3.1	17
89	Culture time of vitrified/warmed zygotes before microinjection affects the production efficiency of CRISPR-Cas9-mediated knock-in mice. <i>Biology Open</i> , 2017 , 6, 706-713	2.2	8
88	Establishment of expanded and streamlined pipeline of PITCH knock-in - a web-based design tool for MMEJ-mediated gene knock-in, PITCH designer, and the variations of PITCH, PITCH-TG and PITCH-KIKO. <i>Bioengineered</i> , 2017 , 8, 302-308	5.7	19
87	Highly efficient biallelic genome editing of human ES/iPS cells using a CRISPR/Cas9 or TALEN system. <i>Nucleic Acids Research</i> , 2017 , 45, 5198-5207	20.1	58
86	Hox-mediated endodermal identity patterns pharyngeal muscle formation in the chordate pharynx. <i>Development (Cambridge)</i> , 2017 , 144, 1629-1634	6.6	11
85	TALEN-mediated targeted editing of the GDE5 gene suppresses fibroblastic cell proliferation. <i>Bioscience, Biotechnology and Biochemistry</i> , 2017 , 81, 2164-2167	2.1	
84	Establishment of pten knockout medaka with transcription activator-like effector nucleases (TALENs) as a model of PTEN deficiency disease. <i>PLoS ONE</i> , 2017 , 12, e0186878	3.7	2
83	Modification of single-nucleotide polymorphism in a fully humanized CYP3A mouse by genome editing technology. <i>Scientific Reports</i> , 2017 , 7, 15189	4.9	20
82	PAX2 is dispensable for in vitro nephron PAX2 formation from human induced pluripotent stem cells. <i>Scientific Reports</i> , 2017 , 7, 4554	4.9	22

81	Genetic Tools for Self-Organizing Culture of Mouse Embryonic Stem Cells via Small Regulatory RNA-Mediated Technologies, CRISPR/Cas9, and Inducible RNAi. <i>Methods in Molecular Biology</i> , 2017 , 1622, 269-292	1.4	1
80	Detailed analysis of targeted gene mutations caused by the Platinum-Fungal TALENs in <i>Aspergillus oryzae</i> RIB40 strain and a ligD disruptant. <i>Journal of Bioscience and Bioengineering</i> , 2017 , 123, 287-293	3.3	18
79	All-in-One CRISPR-Cas9/FokI-dCas9 Vector-Mediated Multiplex Genome Engineering in Cultured Cells. <i>Methods in Molecular Biology</i> , 2017 , 1498, 41-56	1.4	10
78	ALC1/CHD1L, a chromatin-remodeling enzyme, is required for efficient base excision repair. <i>PLoS ONE</i> , 2017 , 12, e0188320	3.7	25
77	Current Overview of TALEN Construction Systems. <i>Methods in Molecular Biology</i> , 2017 , 1630, 25-36	1.4	8
76	Engineering Customized TALENs Using the Platinum Gate TALEN Kit. <i>Methods in Molecular Biology</i> , 2016 , 1338, 61-70	1.4	11
75	C-Type Lectin Receptor DCAR Recognizes Mycobacterial Phosphatidyl-Inositol Mannosides to Promote a Th1 Response during Infection. <i>Immunity</i> , 2016 , 45, 1245-1257	32.3	49
74	Gene cassette knock-in in mammalian cells and zygotes by enhanced MMEJ. <i>BMC Genomics</i> , 2016 , 17, 979	4.5	49
73	Functional consequence of fibulin-4 missense mutations associated with vascular and skeletal abnormalities and cutis laxa. <i>Matrix Biology</i> , 2016 , 56, 132-149	11.4	17
72	In vivo tracking of histone H3 lysine 9 acetylation in <i>Xenopus laevis</i> during tail regeneration. <i>Genes To Cells</i> , 2016 , 21, 358-69	2.3	18
71	MMEJ-assisted gene knock-in using TALENs and CRISPR-Cas9 with the PITCh systems. <i>Nature Protocols</i> , 2016 , 11, 118-33	18.8	217
70	Establishment of In Vitro FUS-Associated Familial Amyotrophic Lateral Sclerosis Model Using Human Induced Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2016 , 6, 496-510	8	53
69	Depdc5 knockout rat: A novel model of mTORopathy. <i>Neurobiology of Disease</i> , 2016 , 89, 180-9	7.5	55
68	Establishment of Functional Genomics Pipeline in Mouse Epiblast-Like Tissue by Combining Transcriptomic Analysis and Gene Knockdown/Knockin/Knockout, Using RNA Interference and CRISPR/Cas9. <i>Human Gene Therapy</i> , 2016 , 27, 436-50	4.8	9
67	Human Induced Pluripotent Stem Cell-Derived Podocytes Mature into Vascularized Glomeruli upon Experimental Transplantation. <i>Journal of the American Society of Nephrology: JASN</i> , 2016 , 27, 1778-91	12.7	135
66	Functional Investigation of a Non-coding Variant Associated with Adolescent Idiopathic Scoliosis in Zebrafish: Elevated Expression of the Ladybird Homeobox Gene Causes Body Axis Deformation. <i>PLoS Genetics</i> , 2016 , 12, e1005802	6	39
65	Ultra-superovulation for the CRISPR-Cas9-mediated production of gene-knockout, single-amino-acid-substituted, and floxed mice. <i>Biology Open</i> , 2016 , 5, 1142-8	2.2	24
64	Generation of a Nonhuman Primate Model of Severe Combined Immunodeficiency Using Highly Efficient Genome Editing. <i>Cell Stem Cell</i> , 2016 , 19, 127-38	18	109

63	Single-Cell-State Culture of Human Pluripotent Stem Cells Increases Transfection Efficiency. <i>BioResearch Open Access</i> , 2016 , 5, 127-36	2.4	6
62	Temporal effects of Notch signaling and potential cooperation with multiple downstream effectors on adenohypophysis cell specification in zebrafish. <i>Genes To Cells</i> , 2016 , 21, 492-504	2.3	3
61	Involvement of aspartoacylase in tremor expression in rats. <i>Experimental Animals</i> , 2016 , 65, 293-301	1.8	14
60	Non-RVD mutations that enhance the dynamics of the TAL repeat array along the superhelical axis improve TALEN genome editing efficacy. <i>Scientific Reports</i> , 2016 , 6, 37887	4.9	7
59	Transcriptional regulation of a horizontally transferred gene from bacterium to chordate. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283,	4.4	14
58	Systematic Cellular Disease Models Reveal Synergistic Interaction of Trisomy 21 and GATA1 Mutations in Hematopoietic Abnormalities. <i>Cell Reports</i> , 2016 , 15, 1228-41	10.6	56
57	Highly multiplexed CRISPR-Cas9-nuclease and Cas9-nickase vectors for inactivation of hepatitis B virus. <i>Genes To Cells</i> , 2016 , 21, 1253-1262	2.3	41
56	Efficient modification of the myostatin gene in porcine somatic cells and generation of knockout piglets. <i>Molecular Reproduction and Development</i> , 2016 , 83, 61-70	2.6	39
55	Precise in-frame integration of exogenous DNA mediated by CRISPR/Cas9 system in zebrafish. <i>Scientific Reports</i> , 2015 , 5, 8841	4.9	167
54	Genome Editing in Mouse Spermatogonial Stem Cell Lines Using TALEN and Double-Nicking CRISPR/Cas9. <i>Stem Cell Reports</i> , 2015 , 5, 75-82	8	53
53	Robust In Vitro Induction of Human Germ Cell Fate from Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2015 , 17, 178-94	18	276
52	Generation of mutant mice via the CRISPR/Cas9 system using FokI-dCas9. <i>Scientific Reports</i> , 2015 , 5, 11221	19	32
51	Cloning-free CRISPR/Cas system facilitates functional cassette knock-in in mice. <i>Genome Biology</i> , 2015 , 16, 87	18.3	197
50	Tailor-made TALEN system for highly efficient targeted gene replacement in the rice blast fungus. <i>Biotechnology and Bioengineering</i> , 2015 , 112, 1335-42	4.9	28
49	Unliganded thyroid hormone receptor β regulates developmental timing via gene repression in <i>Xenopus tropicalis</i> . <i>Endocrinology</i> , 2015 , 156, 735-44	4.8	64
48	Production of knockout mice by DNA microinjection of various CRISPR/Cas9 vectors into freeze-thawed fertilized oocytes. <i>BMC Biotechnology</i> , 2015 , 15, 33	3.5	39
47	Desmocollin-2 alone forms functional desmosomal plaques, with the plaque formation requiring the juxtamembrane region and plakophilins. <i>Journal of Biochemistry</i> , 2015 , 158, 339-53	3.1	16
46	Homeolog-specific targeted mutagenesis in <i>Xenopus laevis</i> using TALENs. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2015 , 51, 879-84	2.6	4

45	Hox10-regulated endodermal cell migration is essential for development of the ascidian intestine. <i>Developmental Biology</i> , 2015 , 403, 43-56	3.1	24
44	Precise correction of the dystrophin gene in duchenne muscular dystrophy patient induced pluripotent stem cells by TALEN and CRISPR-Cas9. <i>Stem Cell Reports</i> , 2015 , 4, 143-154	8	388
43	Relative contribution of four nucleases, CtIP, Dna2, Exo1 and Mre11, to the initial step of DNA double-strand break repair by homologous recombination in both the chicken DT40 and human TK6 cell lines. <i>Genes To Cells</i> , 2015 , 20, 1059-76	2.3	38
42	Epithelial DLD-1 Cells with Disrupted E-cadherin Gene Retain the Ability to Form Cell Junctions and Apico-basal Polarity. <i>Cell Structure and Function</i> , 2015 , 40, 79-94	2.2	3
41	Homologous Recombination-Independent Large Gene Cassette Knock-in in CHO Cells Using TALEN and MMEJ-Directed Donor Plasmids. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 23849-66	6.3	56
40	A high excision potential of TALENs for integrated DNA of HIV-based lentiviral vector. <i>PLoS ONE</i> , 2015 , 10, e0120047	3.7	44
39	The Expression of TALEN before Fertilization Provides a Rapid Knock-Out Phenotype in <i>Xenopus laevis</i> Founder Embryos. <i>PLoS ONE</i> , 2015 , 10, e0142946	3.7	13
38	Smarcal1 promotes double-strand-break repair by nonhomologous end-joining. <i>Nucleic Acids Research</i> , 2015 , 43, 6359-72	20.1	28
37	The Microtubule-Depolymerizing Activity of a Mitotic Kinesin Protein KIF2A Drives Primary Cilia Disassembly Coupled with Cell Proliferation. <i>Cell Reports</i> , 2015 , 10, 664-673	10.6	78
36	Simple knockout by electroporation of engineered endonucleases into intact rat embryos. <i>Scientific Reports</i> , 2014 , 4, 6382	4.9	133
35	Multiplex genome engineering in human cells using all-in-one CRISPR/Cas9 vector system. <i>Scientific Reports</i> , 2014 , 4, 5400	4.9	253
34	Stochastic promoter activation affects Nanog expression variability in mouse embryonic stem cells. <i>Scientific Reports</i> , 2014 , 4, 7125	4.9	69
33	TALEN-induced gene knock out in <i>Drosophila</i> . <i>Development Growth and Differentiation</i> , 2014 , 56, 86-91	3	14
32	FAST-id system for enrichment of cells with TALEN-induced mutations and large deletions. <i>Genes To Cells</i> , 2014 , 19, 419-31	2.3	2
31	Microhomology-mediated end-joining-dependent integration of donor DNA in cells and animals using TALENs and CRISPR/Cas9. <i>Nature Communications</i> , 2014 , 5, 5560	17.4	323
30	Targeted mutagenesis in sea urchin embryos using TALENs. <i>Development Growth and Differentiation</i> , 2014 , 56, 92-7	3	16
29	Germ cell mutations of the ascidian <i>Ciona intestinalis</i> with TALE nucleases. <i>Genesis</i> , 2014 , 52, 431-9	1.9	26
28	Sterol side chain reductase 2 is a key enzyme in the biosynthesis of cholesterol, the common precursor of toxic steroidal glycoalkaloids in potato. <i>Plant Cell</i> , 2014 , 26, 3763-74	11.6	155

27	Application of oocyte cryopreservation technology in TALEN-mediated mouse genome editing. <i>Experimental Animals</i> , 2014 , 63, 349-55	1.8	10
26	Screening methods to identify TALEN-mediated knockout mice. <i>Experimental Animals</i> , 2014 , 63, 79-84	1.8	26
25	Down syndrome-associated haematopoiesis abnormalities created by chromosome transfer and genome editing technologies. <i>Scientific Reports</i> , 2014 , 4, 6136	4.9	23
24	Highly efficient targeted mutagenesis in one-cell mouse embryos mediated by the TALEN and CRISPR/Cas systems. <i>Scientific Reports</i> , 2014 , 4, 5705	4.9	50
23	EDEM2 initiates mammalian glycoprotein ERAD by catalyzing the first mannose trimming step. <i>Journal of Cell Biology</i> , 2014 , 206, 347-56	7.3	105
22	Tissue-specific and ubiquitous gene knockouts by TALEN electroporation provide new approaches to investigating gene function in Ciona. <i>Development (Cambridge)</i> , 2014 , 141, 481-7	6.6	63
21	TALEN-mediated single-base-pair editing identification of an intergenic mutation upstream of BUB1B as causative of PCS (MVA) syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1461-6	11.5	43
20	Transcription activator-like effector nucleases efficiently disrupt the target gene in Iberian ribbed newts (<i>Pleurodeles waltl</i>), an experimental model animal for regeneration. <i>Development Growth and Differentiation</i> , 2014 , 56, 115-21	3	34
19	Versatile strategy for isolating transcription activator-like effector nuclease-mediated knockout mutants in <i>Caenorhabditis elegans</i> . <i>Development Growth and Differentiation</i> , 2014 , 56, 78-85	3	12
18	Nuclease-mediated genome editing: At the front-line of functional genomics technology. <i>Development Growth and Differentiation</i> , 2014 , 56, 2-13	3	48
17	Targeted mutagenesis of multiple and paralogous genes in <i>Xenopus laevis</i> using two pairs of transcription activator-like effector nucleases. <i>Development Growth and Differentiation</i> , 2014 , 56, 108-14 ³		28
16	Targeted gene disruption by use of transcription activator-like effector nuclease (TALEN) in the water flea <i>Daphnia pulex</i> . <i>BMC Biotechnology</i> , 2014 , 14, 95	3.5	14
15	Enhancer activity sensitive to the orientation of the gene it regulates in the chordate genome. <i>Developmental Biology</i> , 2013 , 375, 79-91	3.1	9
14	Efficient targeted mutagenesis in medaka using custom-designed transcription activator-like effector nucleases. <i>Genetics</i> , 2013 , 193, 739-49	4	89
13	Efficient TALEN construction and evaluation methods for human cell and animal applications. <i>Genes To Cells</i> , 2013 , 18, 315-26	2.3	171
12	The 35JTR of <i>nanos2</i> directs enrichment in the germ cell lineage of the sea urchin. <i>Developmental Biology</i> , 2013 , 377, 275-83	3.1	21
11	High efficiency TALENs enable F0 functional analysis by targeted gene disruption in <i>Xenopus laevis</i> embryos. <i>Biology Open</i> , 2013 , 2, 448-52	2.2	73
10	Quantitative assay for TALEN activity at endogenous genomic loci. <i>Biology Open</i> , 2013 , 2, 363-7	2.2	33

9	Production of Sry knockout mouse using TALEN via oocyte injection. <i>Scientific Reports</i> , 2013 , 3, 3136	4.9	49
8	Repeating pattern of non-RVD variations in DNA-binding modules enhances TALEN activity. <i>Scientific Reports</i> , 2013 , 3, 3379	4.9	165
7	Efficient gene targeting by TAL effector nucleases coinjected with exonucleases in zygotes. <i>Scientific Reports</i> , 2013 , 3, 1253	4.9	67
6	Efficient targeted mutagenesis of the chordate <i>Ciona intestinalis</i> genome with zinc-finger nucleases. <i>Development Growth and Differentiation</i> , 2012 , 54, 535-45	3	36
5	Non-transgenic genome modifications in a hemimetabolous insect using zinc-finger and TAL effector nucleases. <i>Nature Communications</i> , 2012 , 3, 1017	17.4	109
4	Zinc-finger nuclease-mediated targeted insertion of reporter genes for quantitative imaging of gene expression in sea urchin embryos. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 10915-20	11.5	37
3	HpSumf1 is involved in the activation of sulfatases responsible for regulation of skeletogenesis during sea urchin development. <i>Development Genes and Evolution</i> , 2011 , 221, 157-66	1.8	2
2	Targeted mutagenesis in the sea urchin embryo using zinc-finger nucleases. <i>Genes To Cells</i> , 2010 , 15, 875-85	2.3	66
1	The third type III module of human fibronectin mediates cell adhesion and migration. <i>Journal of Biochemistry</i> , 2010 , 147, 327-35	3.1	15