

Jean-Paul Concordet

List of Publications by Citations

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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.

60
papers

5,057
citations

27
h-index

68
g-index

68
ext. papers

6,417
ext. citations

8.4
avg, IF

5.61
L-index

#	Paper	IF	Citations
60	Hypoxia response elements in the aldolase A, enolase 1, and lactate dehydrogenase A gene promoters contain essential binding sites for hypoxia-inducible factor 1. <i>Journal of Biological Chemistry</i> , 1996 , 271, 32529-37	5.4	1241
59	Evaluation of off-target and on-target scoring algorithms and integration into the guide RNA selection tool CRISPOR. <i>Genome Biology</i> , 2016 , 17, 148	18.3	877
58	Highly efficient CRISPR/Cas9-mediated knock-in in zebrafish by homology-independent DNA repair. <i>Genome Research</i> , 2014 , 24, 142-53	9.7	436
57	CRISPOR: intuitive guide selection for CRISPR/Cas9 genome editing experiments and screens. <i>Nucleic Acids Research</i> , 2018 , 46, W242-W245	20.1	322
56	PAX3/FOXO1 fusion gene status is the key prognostic molecular marker in rhabdomyosarcoma and significantly improves current risk stratification. <i>Journal of Clinical Oncology</i> , 2012 , 30, 1670-7	2.2	224
55	Improved Genome Editing Efficiency and Flexibility Using Modified Oligonucleotides with TALEN and CRISPR-Cas9 Nucleases. <i>Cell Reports</i> , 2016 , 14, 2263-2272	10.6	189
54	Six1 and Eya1 expression can reprogram adult muscle from the slow-twitch phenotype into the fast-twitch phenotype. <i>Molecular and Cellular Biology</i> , 2004 , 24, 6253-67	4.8	148
53	Cancer translocations in human cells induced by zinc finger and TALE nucleases. <i>Genome Research</i> , 2013 , 23, 1182-93	9.7	110
52	Inducible degradation of I κ B α by the proteasome requires interaction with the F-box protein h-betaTrCP. <i>Journal of Biological Chemistry</i> , 1999 , 274, 7941-5	5.4	106
51	Characterization of dystrophin deficient rats: a new model for Duchenne muscular dystrophy. <i>PLoS ONE</i> , 2014 , 9, e110371	3.7	103
50	Regulation of left-right asymmetries in the zebrafish by Shh and BMP4. <i>Developmental Biology</i> , 1999 , 210, 277-87	3.1	102
49	CSF-contacting neurons regulate locomotion by relaying mechanical stimuli to spinal circuits. <i>Nature Communications</i> , 2016 , 7, 10866	17.4	93
48	Heritable genome editing with CRISPR/Cas9 induces anosmia in a crop pest moth. <i>Scientific Reports</i> , 2016 , 6, 29620	4.9	74
47	klf2a couples mechanotransduction and zebrafish valve morphogenesis through fibronectin synthesis. <i>Nature Communications</i> , 2016 , 7, 11646	17.4	70
46	Targeting DNA with triplex-forming oligonucleotides to modify gene sequence. <i>Biochimie</i> , 2008 , 90, 1102-16	6.6	68
45	Near-complete elimination of mutant mtDNA by iterative or dynamic dose-controlled treatment with mtZFNs. <i>Nucleic Acids Research</i> , 2016 , 44, 7804-16	20.1	66
44	Homology-directed repair in rodent zygotes using Cas9 and TALEN engineered proteins. <i>Scientific Reports</i> , 2015 , 5, 14410	4.9	56

43	Generation of gene-edited rats by delivery of CRISPR/Cas9 protein and donor DNA into intact zygotes using electroporation. <i>Scientific Reports</i> , 2017 , 7, 16554	4.9	50
42	Editing a β globin repressor binding site restores fetal hemoglobin synthesis and corrects the sickle cell disease phenotype. <i>Science Advances</i> , 2020 , 6,	14.3	49
41	CRISPR/Cas9-mediated conversion of eGFP- into Gal4-transgenic lines in zebrafish. <i>Nature Protocols</i> , 2014 , 9, 2823-40	18.8	46
40	Integrated design, execution, and analysis of arrayed and pooled CRISPR genome-editing experiments. <i>Nature Protocols</i> , 2018 , 13, 946-986	18.8	42
39	Stable transmission of targeted gene modification using single-stranded oligonucleotides with flanking LNAs. <i>Nucleic Acids Research</i> , 2005 , 33, 3733-42	20.1	39
38	2C-Cas9: a versatile tool for clonal analysis of gene function. <i>Genome Research</i> , 2016 , 26, 681-92	9.7	38
37	Genome Editing with CRISPR-Cas9: Can It Get Any Better?. <i>Journal of Genetics and Genomics</i> , 2016 , 43, 239-50	4	38
36	Targeting of beta-arrestin2 to the centrosome and primary cilium: role in cell proliferation control. <i>PLoS ONE</i> , 2008 , 3, e3728	3.7	35
35	Efficient gene targeting by homology-directed repair in rat zygotes using TALE nucleases. <i>Genome Research</i> , 2014 , 24, 1371-83	9.7	30
34	Targeted deletion of BCL11A gene by CRISPR-Cas9 system for fetal hemoglobin reactivation: A promising approach for gene therapy of beta thalassemia disease. <i>European Journal of Pharmacology</i> , 2019 , 854, 398-405	5.3	28
33	Muscle electrotransfer as a tool for studying muscle fiber-specific and nerve-dependent activity of promoters. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 285, C1071-81	5.4	27
32	A ubiquitous enhancer shared by two promoters in the human aldolase A gene. <i>Nucleic Acids Research</i> , 1991 , 19, 4173-80	20.1	23
31	An Attractive Reelin Gradient Establishes Synaptic Lamination in the Vertebrate Visual System. <i>Neuron</i> , 2018 , 97, 1049-1062.e6	13.9	22
30	Deletion of a kinesin I motor unmasks a mechanism of homeostatic branching control by neurotrophin-3. <i>ELife</i> , 2015 , 4,	8.9	22
29	Modeling of Aniridia-Related Keratopathy by CRISPR/Cas9 Genome Editing of Human Limbal Epithelial Cells and Rescue by Recombinant PAX6 Protein. <i>Stem Cells</i> , 2018 , 36, 1421-1429	5.8	22
28	Diving into marine genomics with CRISPR/Cas9 systems. <i>Marine Genomics</i> , 2016 , 30, 55-65	1.9	21
27	Characterization of two rat models of cystic fibrosis-KO and F508del CFTR-Generated by Crispr-Cas9. <i>Animal Models and Experimental Medicine</i> , 2019 , 2, 297-311	4.2	20
26	Neu5Gc and β -3 GAL Xenoantigen Knockout Does Not Affect Glycemia Homeostasis and Insulin Secretion in Pigs. <i>Diabetes</i> , 2017 , 66, 987-993	0.9	19

25	MyoD reprogramming requires Six1 and Six4 homeoproteins: genome-wide cis-regulatory module analysis. <i>Nucleic Acids Research</i> , 2016 , 44, 8621-8640	20.1	19
24	High doses of CRISPR/Cas9 ribonucleoprotein efficiently induce gene knockout with low mosaicism in the hydrozoan <i>Clytia hemisphaerica</i> through microhomology-mediated deletion. <i>Scientific Reports</i> , 2018 , 8, 11734	4.9	19
23	Illegitimate (or ectopic) transcription proceeds through the usual promoters. <i>Biochemical and Biophysical Research Communications</i> , 1991 , 178, 553-7	3.4	18
22	Generation of Immunodeficient Rats With Rag1 and Il2rg Gene Deletions and Human Tissue Grafting Models. <i>Transplantation</i> , 2018 , 102, 1271-1278	1.8	16
21	Sequence-specific DNA cleavage mediated by bipyridine polyamide conjugates. <i>Nucleic Acids Research</i> , 2008 , 36, 3531-8	20.1	16
20	Argonaute proteins regulate HIV-1 multiply spliced RNA and viral production in a Dicer independent manner. <i>Nucleic Acids Research</i> , 2017 , 45, 4158-4173	20.1	15
19	Ex vivo editing of human hematopoietic stem cells for erythroid expression of therapeutic proteins. <i>Nature Communications</i> , 2020 , 11, 3778	17.4	13
18	Correction of β -thalassemia by CRISPR/Cas9 editing of the β -globin locus in human hematopoietic stem cells. <i>Blood Advances</i> , 2021 , 5, 1137-1153	7.8	13
17	Precise base editing for the study of developmental signaling and human pathologies in zebrafish. <i>ELife</i> , 2021 , 10,	8.9	11
16	Edition of TFAM gene by CRISPR/Cas9 technology in bovine model. <i>PLoS ONE</i> , 2019 , 14, e0213376	3.7	8
15	Functional interplay between TFIIF and KAT2A regulates higher-order chromatin structure and class II gene expression. <i>Nature Communications</i> , 2019 , 10, 1288	17.4	7
14	The Lumiptosome, an engineered luminescent form of the apoptosome can report cell death by using the same Apaf-1 dependent pathway. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	5
13	Genome Editing in Rats Using TALE Nucleases. <i>Methods in Molecular Biology</i> , 2016 , 1338, 245-59	1.4	5
12	Gene targeting in rats using transcription activator-like effector nucleases. <i>Methods</i> , 2014 , 69, 102-7	4.6	5
11	Mouse muscle identity: the position-dependent and fast fiber-specific expression of a transgene in limb muscles is methylation-independent and cell-autonomous. <i>Developmental Dynamics</i> , 2003 , 228, 594-605	2.9	5
10	CRISPR gene editing in pluripotent stem cells reveals the function of MBNL proteins during human in vitro myogenesis. <i>Human Molecular Genetics</i> , 2021 ,	5.6	5
9	Reply to S. Stegmaier et al. <i>Journal of Clinical Oncology</i> , 2012 , 30, 4040-4041	2.2	4
8	Transfection and mutagenesis of target genes in mosquito cells by locked nucleic acid-modified oligonucleotides. <i>Journal of Visualized Experiments</i> , 2010 ,	1.6	3

7	Expression analysis data of BCL11A and β globin genes in KU812 and KG-1 cell lines after CRISPR/Cas9-mediated BCL11A enhancer deletion. <i>Data in Brief</i> , 2020 , 28, 104974	1.2	3
6	A fast Myosin super enhancer dictates muscle fiber phenotype through competitive interactions with Myosin genes.. <i>Nature Communications</i> , 2022 , 13, 1039	17.4	2
5	Disease modeling by efficient genome editing using a near PAM-less base editor in vivo		1
4	Genome Editing and Dialogic Responsibility: "What's in a Name?". <i>American Journal of Bioethics</i> , 2015 , 15, 54-7	1.1	
3	Tagging Proteins with Fluorescent Reporters Using the CRISPR/Cas9 System and Double-Stranded DNA Donors. <i>Methods in Molecular Biology</i> , 2021 , 2247, 39-57	1.4	
2	Gene Tagging with the CRISPR-Cas9 System to Facilitate Macromolecular Complex Purification. <i>Methods in Molecular Biology</i> , 2021 , 2305, 153-174	1.4	
1	Recent Progress in Genome Editing for Gene Therapy Applications: The French Perspective. <i>Human Gene Therapy</i> , 2021 , 32, 1059-1075	4.8	