

Marc GÃ¼ll

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9096480/publications.pdf>

Version: 2024-02-01

46
papers

17,339
citations

126907

33
h-index

233421

45
g-index

54
all docs

54
docs citations

54
times ranked

25832
citing authors

#	ARTICLE	IF	CITATIONS
1	Kidney transplantation from triple-knockout pigs expressing multiple human proteins in cynomolgus macaques. <i>American Journal of Transplantation</i> , 2022, 22, 46-57.	4.7	64
2	Engineering selectivity of <i>Cutibacterium acnes</i> phages by epigenetic imprinting. <i>PLoS Pathogens</i> , 2022, 18, e1010420.	4.7	2
3	Extensive germline genome engineering in pigs. <i>Nature Biomedical Engineering</i> , 2021, 5, 134-143.	22.5	117
4	Skin microbiome transplantation and manipulation: Current state of the art. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 624-631.	4.1	52
5	From Dysbiosis to Healthy Skin: Major Contributions of <i>Cutibacterium acnes</i> to Skin Homeostasis. <i>Microorganisms</i> , 2021, 9, 628.	3.6	57
6	Porcine germline genome engineering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	17
7	Find and cut-and-transfer (FiCAT) mammalian genome engineering. <i>Nature Communications</i> , 2021, 12, 7071.	12.8	21
8	DNA Damage Protection for Enhanced Bacterial Survival Under Simulated Low Earth Orbit Environmental Conditions in <i>Escherichia coli</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 789668.	3.5	7
9	Establishing a Cell-Free Transcription-Translation Platform for <i>Cutibacterium acnes</i> to Prototype Engineered Metabolic and Synthetic Biology. <i>ACS Biomaterials Science and Engineering</i> , 2021, , .	5.2	2
10	Enabling large-scale genome editing at repetitive elements by reducing DNA nicking. <i>Nucleic Acids Research</i> , 2020, 48, 5183-5195.	14.5	41
11	Genome-Wide PERV Inactivation in Pigs Using CRISPR/Cas9. <i>Methods in Molecular Biology</i> , 2020, 2110, 139-149.	0.9	4
12	Conjugative Assembly Genome Engineering (CAGE). <i>Methods in Molecular Biology</i> , 2020, 2075, 399-409.	0.9	1
13	Technological challenges and milestones for writing genomes. <i>Science</i> , 2019, 366, 310-312.	12.6	50
14	Skin microbiome modulation induced by probiotic solutions. <i>Microbiome</i> , 2019, 7, 95.	11.1	74
15	CRISPR-gRNA Design. <i>Methods in Molecular Biology</i> , 2019, 1961, 3-11.	0.9	11
16	Safety and Efficacy of Topically Applied Selected <i>Cutibacterium acnes</i> Strains over Five Weeks in Patients with Acne Vulgaris: An Open-label, Pilot Study. <i>Acta Dermato-Venereologica</i> , 2019, 99, 1253-1257.	1.3	24
17	Heterologous erythromycin production across strain and plasmid construction. <i>Biotechnology Progress</i> , 2018, 34, 271-276.	2.6	26
18	CRISPR-C: circularization of genes and chromosome by CRISPR in human cells. <i>Nucleic Acids Research</i> , 2018, 46, e131.	14.5	39

#	ARTICLE	IF	CITATIONS
19	Report of the Key Opinion Leaders Meeting on Stem Cell-derived Beta Cells. Transplantation, 2018, 102, 1223-1229.	1.0	72
20	Efficient, footprint-free human iPSC genome editing by consolidation of Cas9/CRISPR and piggyBac technologies. Nature Protocols, 2017, 12, 88-103.	12.0	97
21	Inactivation of porcine endogenous retrovirus in pigs using CRISPR-Cas9. Science, 2017, 357, 1303-1307.	12.6	570
22	CRISPR in Animals and Animal Models. Progress in Molecular Biology and Translational Science, 2017, 152, 95-114.	1.7	39
23	<scp>PERV</scp> inactivation is necessary to guarantee absence of pigâ€toâ€patient <scp>PERV</scp>s transmission in xenotransplantation. Xenotransplantation, 2017, 24, e12366.	2.8	25
24	Principles of Systems Biology, No. 9. Cell Systems, 2016, 3, 211-213.	6.2	1
25	Design, synthesis, and testing toward a 57-codon genome. Science, 2016, 353, 819-822.	12.6	251
26	Engineering and optimising deaminase fusions for genome editing. Nature Communications, 2016, 7, 13330.	12.8	60
27	The Genome Project-Write. Science, 2016, 353, 126-127.	12.6	194
28	Genome-wide inactivation of porcine endogenous retroviruses (PERVs). Science, 2015, 350, 1101-1104.	12.6	511
29	Titin mutations in iPS cells define sarcomere insufficiency as a cause of dilated cardiomyopathy. Science, 2015, 349, 982-986.	12.6	508
30	Targeted and genome-wide sequencing reveal single nucleotide variations impacting specificity of Cas9 in human stem cells. Nature Communications, 2014, 5, 5507.	12.8	128
31	CRISPR-Cas-Mediated Targeted Genome Editing in Human Cells. Methods in Molecular Biology, 2014, 1114, 245-267.	0.9	48
32	Modeling the mitochondrial cardiomyopathy of Barth syndrome with induced pluripotent stem cell and heart-on-chip technologies. Nature Medicine, 2014, 20, 616-623.	30.7	733
33	CRISPR/Cas9â€Directed Genome Editing of Cultured Cells. Current Protocols in Molecular Biology, 2014, 107, 31.1.1-17.	2.9	67
34	Genome editing assessment using CRISPR Genome Analyzer (CRISPR-GA). Bioinformatics, 2014, 30, 2968-2970.	4.1	136
35	CAS9 transcriptional activators for target specificity screening and paired nickases for cooperative genome engineering. Nature Biotechnology, 2013, 31, 833-838.	17.5	1,589
36	RNA-Guided Human Genome Engineering via Cas9. Science, 2013, 339, 823-826.	12.6	8,009

#	ARTICLE	IF	CITATIONS
37	Optimization of scarless human stem cell genome editing. <i>Nucleic Acids Research</i> , 2013, 41, 9049-9061.	14.5	358
38	Iterative capped assembly: rapid and scalable synthesis of repeat-module DNA such as TAL effectors from individual monomers. <i>Nucleic Acids Research</i> , 2012, 40, e117-e117.	14.5	185
39	Transcription start site associated RNAs in bacteria. <i>Molecular Systems Biology</i> , 2012, 8, 585.	7.2	40
40	Bacterial transcriptomics: what is beyond the RNA hori-ome?. <i>Nature Reviews Microbiology</i> , 2011, 9, 658-669.	28.6	121
41	Quantification of mRNA and protein and integration with protein turnover in a bacterium. <i>Molecular Systems Biology</i> , 2011, 7, 511.	7.2	267
42	Strand-specific deep sequencing of the transcriptome. <i>Genome Research</i> , 2010, 20, 989-999.	5.5	76
43	Correlation of mRNA and protein in complex biological samples. <i>FEBS Letters</i> , 2009, 583, 3966-3973.	2.8	1,519
44	Impact of Genome Reduction on Bacterial Metabolism and Its Regulation. <i>Science</i> , 2009, 326, 1263-1268.	12.6	267
45	Proteome Organization in a Genome-Reduced Bacterium. <i>Science</i> , 2009, 326, 1235-1240.	12.6	440
46	Transcriptome Complexity in a Genome-Reduced Bacterium. <i>Science</i> , 2009, 326, 1268-1271.	12.6	394