

# Marc GÃ¼ll

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

17,339  
citations

136740

32  
h-index

233125

45  
g-index

54  
all docs

54  
docs citations

54  
times ranked

25832  
citing authors

#	ARTICLE	IF	CITATIONS
1	RNA-Guided Human Genome Engineering via Cas9. <i>Science</i> , 2013, 339, 823-826.	6.0	8,009
2	CAS9 transcriptional activators for target specificity screening and paired nickases for cooperative genome engineering. <i>Nature Biotechnology</i> , 2013, 31, 833-838.	9.4	1,589
3	Correlation of mRNA and protein in complex biological samples. <i>FEBS Letters</i> , 2009, 583, 3966-3973.	1.3	1,519
4	Modeling the mitochondrial cardiomyopathy of Barth syndrome with induced pluripotent stem cell and heart-on-chip technologies. <i>Nature Medicine</i> , 2014, 20, 616-623.	15.2	733
5	Inactivation of porcine endogenous retrovirus in pigs using CRISPR-Cas9. <i>Science</i> , 2017, 357, 1303-1307.	6.0	570
6	Genome-wide inactivation of porcine endogenous retroviruses (PERVs). <i>Science</i> , 2015, 350, 1101-1104.	6.0	511
7	Titin mutations in iPS cells define sarcomere insufficiency as a cause of dilated cardiomyopathy. <i>Science</i> , 2015, 349, 982-986.	6.0	508
8	Proteome Organization in a Genome-Reduced Bacterium. <i>Science</i> , 2009, 326, 1235-1240.	6.0	440
9	Transcriptome Complexity in a Genome-Reduced Bacterium. <i>Science</i> , 2009, 326, 1268-1271.	6.0	394
10	Optimization of scarless human stem cell genome editing. <i>Nucleic Acids Research</i> , 2013, 41, 9049-9061.	6.5	358
11	Impact of Genome Reduction on Bacterial Metabolism and Its Regulation. <i>Science</i> , 2009, 326, 1263-1268.	6.0	267
12	Quantification of mRNA and protein and integration with protein turnover in a bacterium. <i>Molecular Systems Biology</i> , 2011, 7, 511.	3.2	267
13	Design, synthesis, and testing toward a 57-codon genome. <i>Science</i> , 2016, 353, 819-822.	6.0	251
14	The Genome Project-Write. <i>Science</i> , 2016, 353, 126-127.	6.0	194
15	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.	6.5	185
16	Genome editing assessment using CRISPR Genome Analyzer (CRISPR-GA). <i>Bioinformatics</i> , 2014, 30, 2968-2970.	1.8	136
17	Targeted and genome-wide sequencing reveal single nucleotide variations impacting specificity of Cas9 in human stem cells. <i>Nature Communications</i> , 2014, 5, 5507.	5.8	128
18	Bacterial transcriptomics: what is beyond the RNA hori-ome?. <i>Nature Reviews Microbiology</i> , 2011, 9, 658-669.	13.6	121

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19	Extensive germline genome engineering in pigs. <i>Nature Biomedical Engineering</i> , 2021, 5, 134-143.	11.6	117
20	Efficient, footprint-free human iPSC genome editing by consolidation of Cas9/CRISPR and piggyBac technologies. <i>Nature Protocols</i> , 2017, 12, 88-103.	5.5	97
21	Strand-specific deep sequencing of the transcriptome. <i>Genome Research</i> , 2010, 20, 989-999.	2.4	76
22	Skin microbiome modulation induced by probiotic solutions. <i>Microbiome</i> , 2019, 7, 95.	4.9	74
23	Report of the Key Opinion Leaders Meeting on Stem Cell-derived Beta Cells. <i>Transplantation</i> , 2018, 102, 1223-1229.	0.5	72
24	CRISPR/Cas9-directed Genome Editing of Cultured Cells. <i>Current Protocols in Molecular Biology</i> , 2014, 107, 31.1.1-17.	2.9	67
25	Kidney transplantation from triple-knockout pigs expressing multiple human proteins in cynomolgus macaques. <i>American Journal of Transplantation</i> , 2022, 22, 46-57.	2.6	64
26	Engineering and optimising deaminase fusions for genome editing. <i>Nature Communications</i> , 2016, 7, 13330.	5.8	60
27	From Dysbiosis to Healthy Skin: Major Contributions of <i>Cutibacterium acnes</i> to Skin Homeostasis. <i>Microorganisms</i> , 2021, 9, 628.	1.6	57
28	Skin microbiome transplantation and manipulation: Current state of the art. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 624-631.	1.9	52
29	Technological challenges and milestones for writing genomes. <i>Science</i> , 2019, 366, 310-312.	6.0	50
30	CRISPR-Cas-Mediated Targeted Genome Editing in Human Cells. <i>Methods in Molecular Biology</i> , 2014, 1114, 245-267.	0.4	48
31	Enabling large-scale genome editing at repetitive elements by reducing DNA nicking. <i>Nucleic Acids Research</i> , 2020, 48, 5183-5195.	6.5	41
32	Transcription start site associated RNAs in bacteria. <i>Molecular Systems Biology</i> , 2012, 8, 585.	3.2	40
33	CRISPR in Animals and Animal Models. <i>Progress in Molecular Biology and Translational Science</i> , 2017, 152, 95-114.	0.9	39
34	CRISPR-C: circularization of genes and chromosome by CRISPR in human cells. <i>Nucleic Acids Research</i> , 2018, 46, e131.	6.5	39
35	Heterologous erythromycin production across strain and plasmid construction. <i>Biotechnology Progress</i> , 2018, 34, 271-276.	1.3	26
36	<sc>PERV</sc> inactivation is necessary to guarantee absence of pig-to-human patient <sc>PERV</sc> transmission in xenotransplantation. <i>Xenotransplantation</i> , 2017, 24, e12366.	1.6	25

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37	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.	0.6	24
38	Find and cut-and-transfer (FiCAT) mammalian genome engineering. <i>Nature Communications</i> , 2021, 12, 7071.	5.8	21
39	Porcine germline genome engineering. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	17
40	CRISPR-gRNA Design. <i>Methods in Molecular Biology</i> , 2019, 1961, 3-11.	0.4	11
41	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.	1.5	7
42	Genome-Wide PERV Inactivation in Pigs Using CRISPR/Cas9. <i>Methods in Molecular Biology</i> , 2020, 2110, 139-149.	0.4	4
43	Engineering selectivity of <i>Cutibacterium acnes</i> phages by epigenetic imprinting. <i>PLoS Pathogens</i> , 2022, 18, e1010420.	2.1	2
44	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, , .	2.6	2
45	Conjugative Assembly Genome Engineering (CAGE). <i>Methods in Molecular Biology</i> , 2020, 2075, 399-409.	0.4	1