

# Marco Jost

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3051103/publications.pdf>

Version: 2024-02-01

24  
papers

2,754  
citations

393982

19  
h-index

610482

24  
g-index

36  
all docs

36  
docs citations

36  
times ranked

4157  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multiplexed Single-Cell CRISPR Screening Platform Enables Systematic Dissection of the Unfolded Protein Response. <i>Cell</i> , 2016, 167, 1867-1882.e21.	13.5	819
2	Molecular recording of mammalian embryogenesis. <i>Nature</i> , 2019, 570, 77-82.	13.7	257
3	Combined CRISPRi/a-Based Chemical Genetic Screens Reveal that Rigosertib Is a Microtubule-Destabilizing Agent. <i>Molecular Cell</i> , 2017, 68, 210-223.e6.	4.5	197
4	Mapping information-rich genotype-phenotype landscapes with genome-scale Perturb-seq. <i>Cell</i> , 2022, 185, 2559-2575.e28.	13.5	169
5	Exploring genetic interaction manifolds constructed from rich single-cell phenotypes. <i>Science</i> , 2019, 365, 786-793.	6.0	155
6	Structural basis for gene regulation by a B12-dependent photoreceptor. <i>Nature</i> , 2015, 526, 536-541.	13.7	149
7	GIGYF2 and 4EHP Inhibit Translation Initiation of Defective Messenger RNAs to Assist Ribosome-Associated Quality Control. <i>Molecular Cell</i> , 2020, 79, 950-962.e6.	4.5	119
8	Titration of gene expression using libraries of systematically attenuated CRISPR guide RNAs. <i>Nature Biotechnology</i> , 2020, 38, 355-364.	9.4	108
9	Structure-Function Analysis of an Enzymatic Prenyl Transfer Reaction Identifies a Reaction Chamber with Modifiable Specificity. <i>Journal of the American Chemical Society</i> , 2010, 132, 17849-17858.	6.6	87
10	A New Facet of Vitamin B <sub>12</sub> : Gene Regulation by Cobalamin-Based Photoreceptors. <i>Annual Review of Biochemistry</i> , 2017, 86, 485-514.	5.0	85
11	Mismatch-CRISPRi Reveals the Co-varying Expression-Fitness Relationships of Essential Genes in <i>Escherichia coli</i> and <i>Bacillus subtilis</i> . <i>Cell Systems</i> , 2020, 11, 523-535.e9.	2.9	72
12	Structure of the Catalytic Domain of the Class I Polyhydroxybutyrate Synthase from <i>Cupriavidus necator</i> . <i>Journal of Biological Chemistry</i> , 2016, 291, 25264-25277.	1.6	69
13	CRISPR Approaches to Small Molecule Target Identification. <i>ACS Chemical Biology</i> , 2018, 13, 366-375.	1.6	68
14	High-content imaging-based pooled CRISPR screens in mammalian cells. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	53
15	DNA repair enzymes ALKBH2, ALKBH3, and AlkB oxidize 5-methylcytosine to 5-hydroxymethylcytosine, 5-formylcytosine and 5-carboxylcytosine in vitro. <i>Nucleic Acids Research</i> , 2019, 47, 5522-5529.	6.5	51
16	Structure of Adenovirus Type 21 Knob in Complex with CD46 Reveals Key Differences in Receptor Contacts among Species B Adenoviruses. <i>Journal of Virology</i> , 2010, 84, 3189-3200.	1.5	40
17	Next-generation sequencing reveals the biological significance of the N <sup>2</sup> ,3-ethenoguanine lesion in vivo. <i>Nucleic Acids Research</i> , 2015, 43, 5489-5500.	6.5	39
18	Adaptive Response Enzyme AlkB Preferentially Repairs 1-Methylguanine and 3-Methylthymine Adducts in Double-Stranded DNA. <i>Chemical Research in Toxicology</i> , 2016, 29, 687-693.	1.7	38

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19	Visualization of a radical B <sub>12</sub> enzyme with its G-protein chaperone. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2419-2424.	3.3	29
20	Structural Basis for Substrate Specificity in Adenosylcobalamin-dependent Isobutyryl-CoA Mutase and Related Acyl-CoA Mutases. Journal of Biological Chemistry, 2015, 290, 26882-26898.	1.6	24
21	Pharmaceutical-Grade Rigosertib Is a Microtubule-Destabilizing Agent. Molecular Cell, 2020, 79, 191-198.e3.	4.5	22
22	Genome-wide CRISPRi screening identifies OCIAD1 as a prohibitin client and regulatory determinant of mitochondrial Complex III assembly in human cells. ELife, 2021, 10, .	2.8	20
23	CRISPR-based functional genomics in human dendritic cells. ELife, 2021, 10, .	2.8	10
24	Electrochemical Characterization of Escherichia coli Adaptive Response Protein AidB. International Journal of Molecular Sciences, 2012, 13, 16899-16915.	1.8	6