

# Christian Kukat

## List of Publications by Year in descending order

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28  
papers

2,853  
citations

333899

21  
h-index

456972

30  
g-index

36  
all docs

36  
docs citations

36  
times ranked

5779  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019, 49, 1457-1973.	2.9	766
2	Super-resolution microscopy reveals that mammalian mitochondrial nucleoids have a uniform size and frequently contain a single copy of mtDNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13534-13539.	7.3	450
3	Cross-strand binding of TFAM to a single mtDNA molecule forms the mitochondrial nucleoid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11288-11293.	7.3	266
4	MTERF4 Regulates Translation by Targeting the Methyltransferase NSUN4 to the Mammalian Mitochondrial Ribosome. <i>Cell Metabolism</i> , 2011, 13, 527-539.	16.4	221
5	mtDNA makes a U-turn for the mitochondrial nucleoid. <i>Trends in Cell Biology</i> , 2013, 23, 457-463.	8.2	106
6	Generation of $\dot{\text{I}}\cdot\text{O}$ cells utilizing a mitochondrially targeted restriction endonuclease and comparative analyses. <i>Nucleic Acids Research</i> , 2008, 36, e44.	14.8	93
7	MTERF1 Binds mtDNA to Prevent Transcriptional Interference at the Light-Strand Promoter but Is Dispensable for rRNA Gene Transcription Regulation. <i>Cell Metabolism</i> , 2013, 17, 618-626.	16.4	93
8	Chromosome-scale and haplotype-resolved genome assembly of a tetraploid potato cultivar. <i>Nature Genetics</i> , 2022, 54, 342-348.	21.7	87
9	MTERF3 Regulates Mitochondrial Ribosome Biogenesis in Invertebrates and Mammals. <i>PLoS Genetics</i> , 2013, 9, e1003178.	3.5	85
10	SLIRP Regulates the Rate of Mitochondrial Protein Synthesis and Protects LRPPRC from Degradation. <i>PLoS Genetics</i> , 2015, 11, e1005423.	3.5	80
11	Mitochondria-Endoplasmic Reticulum Contacts in Reactive Astrocytes Promote Vascular Remodeling. <i>Cell Metabolism</i> , 2020, 31, 791-808.e8.	16.4	79
12	The Bicoid Stability Factor Controls Polyadenylation and Expression of Specific Mitochondrial mRNAs in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2011, 7, e1002324.	3.5	55
13	MCH Neurons Regulate Permeability of the Median Eminence Barrier. <i>Neuron</i> , 2020, 107, 306-319.e9.	8.3	45
14	QUAREP-LiMi: a community endeavor to advance quality assessment and reproducibility in light microscopy. <i>Nature Methods</i> , 2021, 18, 1423-1426.	19.2	44
15	Gamete binning: chromosome-level and haplotype-resolved genome assembly enabled by high-throughput single-cell sequencing of gamete genomes. <i>Genome Biology</i> , 2020, 21, 306.	9.0	44
16	Tight control of mitochondrial membrane potential by cytochrome c oxidase. <i>Mitochondrion</i> , 2011, 11, 334-341.	3.5	42
17	Individual in vivo Profiles of Microglia Polarization After Stroke, Represented by the Genes iNOS and Ym1. <i>Frontiers in Immunology</i> , 2019, 10, 1236.	4.9	37
18	POLRMT does not transcribe nuclear genes. <i>Nature</i> , 2014, 514, E7-E11.	28.3	35

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19	QUAREP&LiMi: A community&driven initiative to establish guidelines for quality assessment and reproducibility for instruments and images in light microscopy. Journal of Microscopy, 2021, 284, 56-73.	1.8	33
20	Drosophila melanogaster LRPPRC2 is involved in coordination of mitochondrial translation. Nucleic Acids Research, 2014, 42, 13920-13938.	14.8	29
21	Nitric Oxide-associated Protein 1 (NOA1) Is Necessary for Oxygen-dependent Regulation of Mitochondrial Respiratory Complexes. Journal of Biological Chemistry, 2011, 286, 32086-32093.	3.5	24
22	High proliferation and delamination during skin epidermal stratification. Nature Communications, 2021, 12, 3227.	13.1	23
23	Advanced light microscopy core facilities: Balancing service, science and career. Microscopy Research and Technique, 2016, 79, 463-479.	2.2	22
24	Cosegregation of novel mitochondrial 16S rRNA gene mutations with the age-associated T414G variant in human cybrids. Nucleic Acids Research, 2008, 36, 5872-5881.	14.8	17
25	The in vivo timeline of differentiation of engrafted human neural progenitor cells. Stem Cell Research, 2019, 37, 101429.	0.7	17
26	A Joint Action in Times of Pandemic: The German <scp>BioImaging</scp> Recommendations for Operating Imaging Core Facilities During the <scp>SARS&Cov</scp>&#x2013; Emergency. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 882-886.	1.5	9
27	Imaging Reporter Strategy to Monitor Gene Activation of Microglia Polarisation States under Stimulation. Journal of NeuroImmune Pharmacology, 2018, 13, 371-382.	4.1	7
28	Unraveling Structural Rearrangements of the CFH Gene Cluster in Atypical Hemolytic Uremic Syndrome Patients Using Molecular Combing and Long-Fragment Targeted Sequencing. Journal of Molecular Diagnostics, 2022, 24, 619-631.	2.9	5