

# Ilian Atanassov

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

2,117  
citations

279487

23  
h-index

377514

34  
g-index

40  
all docs

40  
docs citations

40  
times ranked

3151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondria shed their outer membrane in response to infection-induced stress. <i>Science</i> , 2022, 375, eabi4343.	6.0	42
2	Mechanism of mitoribosomal small subunit biogenesis and preinitiation. <i>Nature</i> , 2022, 606, 603-608.	13.7	32
3	Human GTPBP5 is involved in the late stage of mitoribosome large subunit assembly. <i>Nucleic Acids Research</i> , 2021, 49, 354-370.	6.5	21
4	Step-by-Step Sample Preparation of Proteins for Mass Spectrometric Analysis. <i>Methods in Molecular Biology</i> , 2021, 2261, 13-23.	0.4	14
5	The one-carbon pool controls mitochondrial energy metabolism via complex I and iron-sulfur clusters. <i>Science Advances</i> , 2021, 7, .	4.7	23
6	Protein kinase A controls the hexosamine pathway by tuning the feedback inhibition of GFAT-1. <i>Nature Communications</i> , 2021, 12, 2176.	5.8	19
7	Tissue-specific modulation of gene expression in response to lowered insulin signalling in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	2.8	12
8	Niche stiffening compromises hair follicle stem cell potential during ageing by reducing bivalent promoter accessibility. <i>Nature Cell Biology</i> , 2021, 23, 771-781.	4.6	51
9	The mitochondrial single-stranded DNA binding protein is essential for initiation of mtDNA replication. <i>Science Advances</i> , 2021, 7, .	4.7	36
10	High levels of TFAM repress mammalian mitochondrial DNA transcription in vivo. <i>Life Science Alliance</i> , 2021, 4, e202101034.	1.3	38
11	Stable Isotope Labeling of Amino Acids in Flies (SILAF) Reveals Differential Phosphorylation of Mitochondrial Proteins Upon Loss of OXPHOS Subunits. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100065.	2.5	6
12	Quantitative Proteomics in <i>Drosophila</i> with Holidic Stable-Isotope Labeling of Amino Acids in Fruit Flies (SILAF). <i>Methods in Molecular Biology</i> , 2021, 2192, 75-87.	0.4	2
13	<scp>FBXL</scp> 4 deficiency increases mitochondrial removal by autophagy. <i>EMBO Molecular Medicine</i> , 2020, 12, e11659.	3.3	44
14	Neuronal metabolic rewiring promotes resilience to neurodegeneration caused by mitochondrial dysfunction. <i>Science Advances</i> , 2020, 6, eaba8271.	4.7	47
15	Small-molecule inhibitors of human mitochondrial DNA transcription. <i>Nature</i> , 2020, 588, 712-716.	13.7	115
16	NFYB-1 regulates mitochondrial function and longevity via lysosomal prosaposin. <i>Nature Metabolism</i> , 2020, 2, 387-396.	5.1	35
17	C6orf203 is an RNA-binding protein involved in mitochondrial protein synthesis. <i>Nucleic Acids Research</i> , 2019, 47, 9386-9399.	6.5	26
18	MitoRibo-Tag Mice Provide a Tool for In Vivo Studies of Mitoribosome Composition. <i>Cell Reports</i> , 2019, 29, 1728-1738.e9.	2.9	24

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19	<scp>TEFM</scp> regulates both transcription elongation and <scp>RNA</scp> processing in mitochondria. EMBO Reports, 2019, 20, .	2.0	51
20	The RNA-Protein Interactome of Differentiated Kidney Tubular Epithelial Cells. Journal of the American Society of Nephrology: JASN, 2019, 30, 564-576.	3.0	16
21	Deregulated Splicing Is a Major Mechanism of RNA-Induced Toxicity in Huntington's Disease. Journal of Molecular Biology, 2019, 431, 1869-1877.	2.0	57
22	Mice lacking the mitochondrial exonuclease MGME1 accumulate mtDNA deletions without developing progeria. Nature Communications, 2018, 9, 1202.	5.8	57
23	Matching Dietary Amino Acid Balance to the In Silico-Translated Exome Optimizes Growth and Reproduction without Cost to Lifespan. Cell Metabolism, 2017, 25, 610-621.	7.2	137
24	Serine ADP-Ribosylation Depends on HPF1. Molecular Cell, 2017, 65, 932-940.e6.	4.5	249
25	Bayesian prediction of RNA translation from ribosome profiling. Nucleic Acids Research, 2017, 45, gkw1350.	6.5	64
26	Mapping the secretome of human chondrogenic progenitor cells with mass spectrometry. Annals of Anatomy, 2017, 212, 4-10.	1.0	7
27	Increased Total mtDNA Copy Number Cures Male Infertility Despite Unaltered mtDNA Mutation Load. Cell Metabolism, 2017, 26, 429-436.e4.	7.2	84
28	Transcriptomic and proteomic landscape of mitochondrial dysfunction reveals secondary coenzyme Q deficiency in mammals. ELife, 2017, 6, .	2.8	169
29	Serine is a new target residue for endogenous ADP-ribosylation on histones. Nature Chemical Biology, 2016, 12, 998-1000.	3.9	189
30	Hierarchical RNA Processing Is Required for Mitochondrial Ribosome Assembly. Cell Reports, 2016, 16, 1874-1890.	2.9	116
31	SLIRP stabilizes LRPPRC via an RRM-PPR protein interface. Nucleic Acids Research, 2016, 44, 6868-6882.	6.5	39
32	Mitofusin 2 is required to maintain mitochondrial coenzyme Q levels. Journal of Cell Biology, 2015, 208, 429-442.	2.3	180
33	Increased proteome coverage by combining <scp>PAGE</scp> and peptide isoelectric focusing: Comparative study of gel-based separation approaches. Proteomics, 2013, 13, 2947-2955.	1.3	59
34	A simple, flexible and efficient PCR-fusion/Gateway cloning procedure for gene fusion, site-directed mutagenesis, short sequence insertion and domain deletions and swaps. Plant Methods, 2009, 5, 14.	1.9	53