

# 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	Serine ADP-Ribosylation Depends on HPF1. <i>Molecular Cell</i> , 2017, 65, 932-940.e6.	4.5	249
2	Serine is a new target residue for endogenous ADP-ribosylation on histones. <i>Nature Chemical Biology</i> , 2016, 12, 998-1000.	3.9	189
3	Mitofusin 2 is required to maintain mitochondrial coenzyme Q levels. <i>Journal of Cell Biology</i> , 2015, 208, 429-442.	2.3	180
4	Transcriptomic and proteomic landscape of mitochondrial dysfunction reveals secondary coenzyme Q deficiency in mammals. <i>ELife</i> , 2017, 6, .	2.8	169
5	Matching Dietary Amino Acid Balance to the In Silico-Translated Exome Optimizes Growth and Reproduction without Cost to Lifespan. <i>Cell Metabolism</i> , 2017, 25, 610-621.	7.2	137
6	Hierarchical RNA Processing Is Required for Mitochondrial Ribosome Assembly. <i>Cell Reports</i> , 2016, 16, 1874-1890.	2.9	116
7	Small-molecule inhibitors of human mitochondrial DNA transcription. <i>Nature</i> , 2020, 588, 712-716.	13.7	115
8	Increased Total mtDNA Copy Number Cures Male Infertility Despite Unaltered mtDNA Mutation Load. <i>Cell Metabolism</i> , 2017, 26, 429-436.e4.	7.2	84
9	Bayesian prediction of RNA translation from ribosome profiling. <i>Nucleic Acids Research</i> , 2017, 45, gkw1350.	6.5	64
10	Increased proteome coverage by combining <sc>PAGE</sc> and peptide isoelectric focusing: Comparative study of gelâ€based separation approaches. <i>Proteomics</i> , 2013, 13, 2947-2955.	1.3	59
11	Mice lacking the mitochondrial exonuclease MGME1 accumulate mtDNA deletions without developing progeria. <i>Nature Communications</i> , 2018, 9, 1202.	5.8	57
12	Deregulated Splicing Is a Major Mechanism of RNA-Induced Toxicity in Huntington's Disease. <i>Journal of Molecular Biology</i> , 2019, 431, 1869-1877.	2.0	57
13	A simple, flexible and efficient PCR-fusion/Gateway cloning procedure for gene fusion, site-directed mutagenesis, short sequence insertion and domain deletions and swaps. <i>Plant Methods</i> , 2009, 5, 14.	1.9	53
14	<sc>TEFM</sc> regulates both transcription elongation and <sc>RNA</sc> processing in mitochondria. <i>EMBO Reports</i> , 2019, 20, .	2.0	51
15	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
16	Neuronal metabolic rewiring promotes resilience to neurodegeneration caused by mitochondrial dysfunction. <i>Science Advances</i> , 2020, 6, eaba8271.	4.7	47
17	<sc>FBXL</sc> 4 deficiency increases mitochondrial removal by autophagy. <i>EMBO Molecular Medicine</i> , 2020, 12, e11659.	3.3	44
18	Mitochondria shed their outer membrane in response to infection-induced stress. <i>Science</i> , 2022, 375, eabi4343.	6.0	42

#	ARTICLE	IF	CITATIONS
19	SLIRP stabilizes LRPPRC via an RRM-PPR protein interface. <i>Nucleic Acids Research</i> , 2016, 44, 6868-6882.	6.5	39
20	High levels of TFAM repress mammalian mitochondrial DNA transcription in vivo. <i>Life Science Alliance</i> , 2021, 4, e202101034.	1.3	38
21	The mitochondrial single-stranded DNA binding protein is essential for initiation of mtDNA replication. <i>Science Advances</i> , 2021, 7, .	4.7	36
22	NFYB-1 regulates mitochondrial function and longevity via lysosomal prosaposin. <i>Nature Metabolism</i> , 2020, 2, 387-396.	5.1	35
23	Mechanism of mitoribosomal small subunit biogenesis and preinitiation. <i>Nature</i> , 2022, 606, 603-608.	13.7	32
24	C6orf203 is an RNA-binding protein involved in mitochondrial protein synthesis. <i>Nucleic Acids Research</i> , 2019, 47, 9386-9399.	6.5	26
25	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
26	The one-carbon pool controls mitochondrial energy metabolism via complex I and iron-sulfur clusters. <i>Science Advances</i> , 2021, 7, .	4.7	23
27	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
28	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
29	The RNA-Protein Interactome of Differentiated Kidney Tubular Epithelial Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2019, 30, 564-576.	3.0	16
30	Step-by-Step Sample Preparation of Proteins for Mass Spectrometric Analysis. <i>Methods in Molecular Biology</i> , 2021, 2261, 13-23.	0.4	14
31	Tissue-specific modulation of gene expression in response to lowered insulin signalling in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	2.8	12
32	Mapping the secretome of human chondrogenic progenitor cells with mass spectrometry. <i>Annals of Anatomy</i> , 2017, 212, 4-10.	1.0	7
33	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
34	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