

# Ruchika Anand

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

1,796  
citations

567281

15  
h-index

839539

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

2460  
citing authors

#	ARTICLE	IF	CITATIONS
1	The <i>i</i> -AAA protease YME1L and OMA1 cleave OPA1 to balance mitochondrial fusion and fission. <i>Journal of Cell Biology</i> , 2014, 204, 919-929.	5.2	603
2	Stress-induced OMA1 activation and autocatalytic turnover regulate OPA1-dependent mitochondrial dynamics. <i>EMBO Journal</i> , 2014, 33, 578-593.	7.8	246
3	Individual cristae within the same mitochondrion display different membrane potentials and are functionally independent. <i>EMBO Journal</i> , 2019, 38, e101056.	7.8	204
4	SIRT4 interacts with OPA1 and regulates mitochondrial quality control and mitophagy. <i>Aging</i> , 2017, 9, 2163-2189.	3.1	108
5	Cristae undergo continuous cycles of membrane remodelling in a MICOS-dependent manner. <i>EMBO Reports</i> , 2020, 21, e49776.	4.5	106
6	Proteolytic control of mitochondrial function and morphogenesis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 195-204.	4.1	86
7	Cristae Membrane Dynamics – A Paradigm Change. <i>Trends in Cell Biology</i> , 2020, 30, 923-936.	7.9	82
8	Functional Interplay between Cristae Biogenesis, Mitochondrial Dynamics and Mitochondrial DNA Integrity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4311.	4.1	68
9	The non-glycosylated isoform of MIC26 is a constituent of the mammalian MICOS complex and promotes formation of crista junctions. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1551-1563.	4.1	67
10	Mic13 Is Essential for Formation of Crista Junctions in Mammalian Cells. <i>PLoS ONE</i> , 2016, 11, e0160258.	2.5	66
11	MIC26 and MIC27 cooperate to regulate cardiolipin levels and the landscape of OXPHOS complexes. <i>Life Science Alliance</i> , 2020, 3, e202000711.	2.8	34
12	Emerging Roles of the MICOS Complex in Cristae Dynamics and Biogenesis. <i>Biology</i> , 2021, 10, 600.	2.8	29
13	The mycotoxin phomoxanthone A disturbs the form and function of the inner mitochondrial membrane. <i>Cell Death and Disease</i> , 2018, 9, 286.	6.3	27
14	Protease OMA1 modulates mitochondrial bioenergetics and ultrastructure through dynamic association with MICOS complex. <i>IScience</i> , 2021, 24, 102119.	4.1	22
15	The relevance of mitochondrial morphology for human disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2021, 134, 105951.	2.8	21
16	High-throughput screening for natural compound-based autophagy modulators reveals novel chemotherapeutic mode of action for arzanol. <i>Cell Death and Disease</i> , 2021, 12, 560.	6.3	8
17	Conserved GxxxG and WN motifs of MIC13 are essential for bridging two MICOS subcomplexes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183683.	2.6	8
18	Data supporting the role of the non-glycosylated isoform of MIC26 in determining cristae morphology. <i>Data in Brief</i> , 2015, 4, 135-139.	1.0	3

#	ARTICLE	IF	CITATIONS
19	Mesenchymal stem cells improve redox homeostasis and mitochondrial respiration in fibroblast cell lines with pathogenic MT-ND3 and MT-ND6 variants. Stem Cell Research and Therapy, 2022, 13, .	5.5	0