

# Aurelien Olichon

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

3,085  
citations

361413

20  
h-index

552781

26  
g-index

28  
all docs

28  
docs citations

28  
times ranked

3971  
citing authors

#	ARTICLE	IF	CITATIONS
1	Loss of OPA1 Perturbates the Mitochondrial Inner Membrane Structure and Integrity, Leading to Cytochrome c Release and Apoptosis. <i>Journal of Biological Chemistry</i> , 2003, 278, 7743-7746.	3.4	987
2	The human dynamin-related protein OPA1 is anchored to the mitochondrial inner membrane facing the inter-membrane space. <i>FEBS Letters</i> , 2002, 523, 171-176.	2.8	348
3	NaLi-H1: A universal synthetic library of humanized nanobodies providing highly functional antibodies and intrabodies. <i>ELife</i> , 2016, 5, .	6.0	231
4	OPA1 links human mitochondrial genome maintenance to mtDNA replication and distribution. <i>Genome Research</i> , 2011, 21, 12-20.	5.5	207
5	Mitochondrial dynamics and disease, OPA1. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 500-509.	4.1	195
6	OPA1 R445H mutation in optic atrophy associated with sensorineural deafness. <i>Annals of Neurology</i> , 2005, 58, 958-963.	5.3	155
7	Effects of OPA1 mutations on mitochondrial morphology and apoptosis: Relevance to ADOA pathogenesis. <i>Journal of Cellular Physiology</i> , 2007, 211, 423-430.	4.1	128
8	Llama-Derived Single-Chain Antibody Fragments Directed to Rotavirus VP6 Protein Possess Broad Neutralizing Activity In Vitro and Confer Protection against Diarrhea in Mice. <i>Journal of Virology</i> , 2008, 82, 9753-9764.	3.4	97
9	OPA1 cleavage depends on decreased mitochondrial ATP level and bivalent metals. <i>Experimental Cell Research</i> , 2007, 313, 3800-3808.	2.6	90
10	Phosphorylation by Cdk1 Increases the Binding of Eg5 to Microtubules In Vitro and in Xenopus Egg Extract Spindles. <i>PLoS ONE</i> , 2008, 3, e3936.	2.5	81
11	Selection of Genetically Encoded Fluorescent Single Domain Antibodies Engineered for Efficient Expression in Escherichia coli. <i>Journal of Biological Chemistry</i> , 2007, 282, 36314-36320.	3.4	72
12	OPA1 functions in mitochondria and dysfunctions in optic nerve. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1866-1874.	2.8	72
13	Expression of the Opa1 Mitochondrial Protein in Retinal Ganglion Cells: Its Downregulation Causes Aggregation of the Mitochondrial Network. , 2005, 46, 4288.		68
14	Heating as a rapid purification method for recovering correctly-folded thermotolerant VH and VHH domains. <i>BMC Biotechnology</i> , 2007, 7, 7.	3.3	66
15	OPA1 (dys)functions. <i>Seminars in Cell and Developmental Biology</i> , 2010, 21, 593-598.	5.0	50
16	Nanobodies reveal an extra-synaptic population of SNAP-25 and Syntaxin 1A in hippocampal neurons. <i>MAbs</i> , 2019, 11, 305-321.	5.2	47
17	Chromatibody, a novel non-invasive molecular tool to explore and manipulate chromatin in living cells. <i>Journal of Cell Science</i> , 2016, 129, 2673-83.	2.0	37
18	A Targeted Protein Degradation Cell-Based Screening for Nanobodies Selective toward the Cellular RHOB GTP-Bound Conformation. <i>Cell Chemical Biology</i> , 2019, 26, 1544-1558.e6.	5.2	32

#	ARTICLE	IF	CITATIONS
19	Preparation of a Na <sup>+</sup> -ve Library of Camelid Single Domain Antibodies. <i>Methods in Molecular Biology</i> , 2012, 911, 65-78.	0.9	31
20	Selection and Characterization of a Nanobody Biosensor of GTP-Bound RHO Activities. <i>Antibodies</i> , 2019, 8, 8.	2.5	26
21	Single domain antibodies with VH hallmarks are positively selected during panning of llama (Lama) Tj ETQq1 1 0.784314 rgBT /Overlo	2.3	24
22	A gain-of-function RAC2 mutation is associated with bone-marrow hypoplasia and an autosomal dominant form of severe combined immunodeficiency. <i>Haematologica</i> , 2021, 106, 404-411.	3.5	18
23	What similarity between human and fission yeast proteins is required for orthology?. <i>Yeast</i> , 2002, 19, 1125-1126.	1.7	12
24	Nanobody-Based Quantification of GTP-Bound RHO Conformation Reveals RHOA and RHOC Activation Independent from Their Total Expression in Breast Cancer. <i>Analytical Chemistry</i> , 2021, 93, 6104-6111.	6.5	4
25	Generation of a Single Chain Antibody Variable Fragment (scFv) to Sense Selectively RhoB Activation. <i>PLoS ONE</i> , 2014, 9, e111034.	2.5	4
26	Protocol to select conformation-specific intracellular antibodies for targeted protein degradation in an engineered cell line. <i>STAR Protocols</i> , 2021, 2, 100249.	1.2	1
27	Chromatibody, a novel non-invasive molecular tool to explore and manipulate chromatin in living cells. <i>Development (Cambridge)</i> , 2016, 143, e1.2-e1.2.	2.5	1