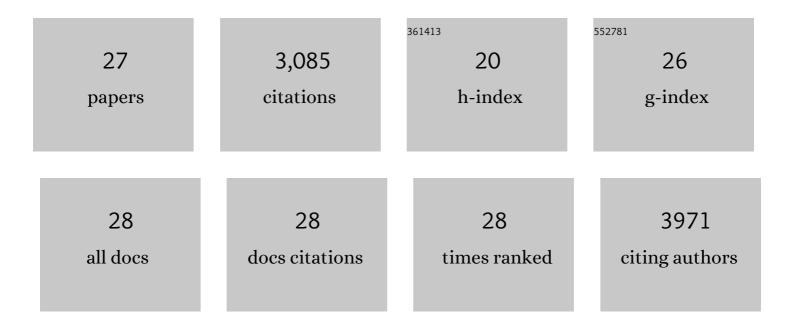
## **Aurelien Olichon**

List of Publications by Year in descending order

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AUDELIEN OLICHON

#	Article	IF	CITATIONS
1	Loss of OPA1 Perturbates the Mitochondrial Inner Membrane Structure and Integrity, Leading to Cytochrome c Release and Apoptosis. Journal of Biological Chemistry, 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. FEBS Letters, 2002, 523, 171-176.	2.8	348
3	NaLi-H1: A universal synthetic library of humanized nanobodies providing highly functional antibodies and intrabodies. ELife, 2016, 5, .	6.0	231
4	OPA1 links human mitochondrial genome maintenance to mtDNA replication and distribution. Genome Research, 2011, 21, 12-20.	5.5	207
5	Mitochondrial dynamics and disease, OPA1. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 500-509.	4.1	195
6	OPA1 R445H mutation in optic atrophy associated with sensorineural deafness. Annals of Neurology, 2005, 58, 958-963.	5.3	155
7	Effects of OPA1 mutations on mitochondrial morphology and apoptosis: Relevance to ADOA pathogenesis. Journal of Cellular Physiology, 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. Journal of Virology, 2008, 82, 9753-9764.	3.4	97
9	OPA1 cleavage depends on decreased mitochondrial ATP level and bivalent metals. Experimental Cell Research, 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. PLoS ONE, 2008, 3, e3936.	2.5	81
11	Selection of Genetically Encoded Fluorescent Single Domain Antibodies Engineered for Efficient Expression in Escherichia coli. Journal of Biological Chemistry, 2007, 282, 36314-36320.	3.4	72
12	OPA1 functions in mitochondria and dysfunctions in optic nerve. International Journal of Biochemistry and Cell Biology, 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. BMC Biotechnology, 2007, 7, 7.	3.3	66
15	OPA1 (dys)functions. Seminars in Cell and Developmental Biology, 2010, 21, 593-598.	5.0	50
16	Nanobodies reveal an extra-synaptic population of SNAP-25 and Syntaxin 1A in hippocampal neurons. MAbs, 2019, 11, 305-321.	5.2	47
17	Chromatibody, a novel non-invasive molecular tool to explore and manipulate chromatin in living cells. Journal of Cell Science, 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. Cell Chemical Biology, 2019, 26, 1544-1558.e6.	5.2	32

AURELIEN OLICHON

#	Article	IF	CITATIONS
19	Preparation of a NaÃ <sup>-</sup> ve Library of Camelid Single Domain Antibodies. Methods in Molecular Biology, 2012, 911, 65-78.	0.9	31
20	Selection and Characterization of a Nanobody Biosensor of GTP-Bound RHO Activities. Antibodies, 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 rş 2.3	gBT /Overloc
22	A gain-of-function RAC2 mutation is associated with bone-marrow hypoplasia and an autosomal dominant form of severe combined immunodeficiency. Haematologica, 2021, 106, 404-411.	3.5	18
23	What similarity between human and fission yeast proteins is required for orthology?. Yeast, 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. Analytical Chemistry, 2021, 93, 6104-6111.	6.5	4
25	Generation of a Single Chain Antibody Variable Fragment (scFv) to Sense Selectively RhoB Activation. PLoS ONE, 2014, 9, e111034.	2.5	4
26	Protocol to select conformation-specific intracellular antibodies for targeted protein degradation in an engineered cell line. STAR Protocols, 2021, 2, 100249.	1.2	1
27	Chromatibody, a novel non-invasive molecular tool to explore and manipulate chromatin in living cells. Development (Cambridge), 2016, 143, e1.2-e1.2.	2.5	1