Renaud Legouis

List of Publications by Year
in descending order

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Version: 2024-02-01

56	11,309	159585	155660
papers	citations	30 h-index	55 g-index

61	61	61	22605
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	The candidate gene for the X-linked Kallmann syndrome encodes a protein related to adhesion molecules. Cell, 1991, 67, 423-435.	28.9	668
4	Postfertilization Autophagy of Sperm Organelles Prevents Paternal Mitochondrial DNA Transmission. Science, 2011, 334, 1144-1147.	12.6	426
5	X chromosome-linked Kallmann syndrome: stop mutations validate the candidate gene.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 8190-8194.	7.1	182
6	LET-413 is a basolateral protein required for the assembly of adherens junctions in Caenorhabditis elegans. Nature Cell Biology, 2000, 2, 415-422.	10.3	175
7	Assembly ofC. elegansapical junctions involves positioning and compaction by LET-413 and protein aggregation by the MAGUK protein DLG-1. Journal of Cell Science, 2001, 114, 2265-2277.	2.0	154
8	The Caenorhabditis elegans vab-10 spectraplakin isoforms protect the epidermis against internal and external forces. Journal of Cell Biology, 2003, 161, 757-768.	5.2	135
9	The C.Âelegans LC3 Acts Downstream of GABARAP to Degrade Autophagosomes by Interacting with the HOPS Subunit VPS39. Developmental Cell, 2014, 28, 43-55.	7.0	126
10	Basolateral targeting by leucineâ€rich repeat domains in epithelial cells. EMBO Reports, 2003, 4, 1096-1100.	4.5	121
11	Guidelines for monitoring autophagy in Caenorhabditis elegans. Autophagy, 2015, 11, 9-27.	9.1	119
12	Multicolor two-photon imaging of endogenous fluorophores in living tissues by wavelength mixing. Scientific Reports, 2017, 7, 3792.	3.3	99
13	The autophagosomal protein LGG-2 acts synergistically with LGG-1 in dauer formation and longevity in C. elegans. Autophagy, 2010, 6, 622-633.	9.1	82
14	ESCRT and autophagies: Endosomal functions and beyond. Seminars in Cell and Developmental Biology, 2018, 74, 21-28.	5.0	82
15	CeVPS-27 is an Endosomal Protein Required for the Molting and the Endocytic Trafficking of the Low-Density Lipoprotein Receptor-Related Protein 1 in Caenorhabditis elegans. Traffic, 2005, 6, 695-705.	2.7	78
16	Expression of the KAL gene in multiple neuronal sites during chicken development.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 2461-2465.	7.1	66
17	Collective nomenclature for LAP proteins. Nature Cell Biology, 2000, 2, E114-E114.	10.3	64
18	Xp22.3 deletions in isolated familial Kallmann's syndrome. Journal of Clinical Endocrinology and Metabolism, 1993, 76, 827-831.	3.6	63

#	Article	IF	Citations
19	Allophagy. Autophagy, 2012, 8, 421-423.	9.1	53
20	Induction of autophagy in ESCRT mutants is an adaptive response for cell survival in C. elegans. Journal of Cell Science, 2012, 125, 685-694.	2.0	50
21	Basolateral targeting by leucine-rich repeat domains in epithelial cells. EMBO Reports, 2003, 4, 1096-1100.	4.5	48
22	PAR-3 is required for epithelial cell polarity in the distal spermatheca of C. elegans. Development (Cambridge), 2004, 131, 2865-2874.	2.5	47
23	Combined third-harmonic generation and four-wave mixing microscopy of tissues and embryos. Biomedical Optics Express, 2011, 2, 2837.	2.9	44
24	Characterization of the two zebrafish orthologues of the KAL-1 gene underlying X chromosome-linked Kallmann syndrome. Mechanisms of Development, 2000, 90, 89-94.	1.7	43
25	Developmental and cellular functions of the ESCRT machinery in pluricellular organisms. Biology of the Cell, 2010, 102, 191-202.	2.0	43
26	Characterization of the Chicken and Quail Homologues of the Human Gene Responsible for the X-Linked Kallmann Syndrome. Genomics, 1993, 17, 516-518.	2.9	42
27	Increased IP3/Ca2+ signaling compensates depletion of LET-413/DLG-1 in C. elegans epithelial junction assembly. Developmental Biology, 2009, 327, 34-47.	2.0	38
28	Epithelial biology: lessons from Caenorhabditis elegans. Gene, 2001, 277, 83-100.	2.2	37
29	Glutathione transferases kappaâ€ƒ1 and kappaâ€ƒ2 localize in peroxisomes and mitochondria, respectively, and are involved in lipid metabolism and respiration in Caenorhabditisâ€ƒelegans. FEBS Journal, 2009, 276, 5030-5040.	4.7	37
30	Approaches for Studying Autophagy in Caenorhabditis elegans. Cells, 2017, 6, 27.	4.1	33
31	The ESCRTâ€III protein CeVPSâ€32 is enriched in domains distinct from CeVPSâ€27 and CeVPSâ€23 at the endosomal membrane of epithelial cells. Biology of the Cell, 2009, 101, 599-615.	2.0	30
32	Characterization and Chromosomal Assignment of a Human cDNA Encoding a Protein Related to the Murine 102-kDa Cadherin-Associated Protein (Î±-Catenin). Genomics, 1993, 15, 13-20.	2.9	28
33	A dinucleotide repeat polymorphism at the Kallmann locus (Xp22.3). Nucleic Acids Research, 1991, 19, 5453-5453.	14.5	26
34	Caenorhabditis elegans Evolves a New Architecture for the Multi-aminoacyl-tRNA Synthetase Complex. Journal of Biological Chemistry, 2011, 286, 28476-28487.	3.4	26
35	High-speed polarization-resolved third-harmonic microscopy. Optica, 2019, 6, 385.	9.3	24
36	Autophagy facilitates mitochondrial rebuilding after acute heat stress via a DRP-1â€“dependent process. Journal of Cell Biology, 2021, 220, .	5.2	21

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37	Need an ESCRT for autophagosomal maturation?. Communicative and Integrative Biology, 2012, 5, 566-571.	1.4	20
38	Isolation and characterization of the gene responsible for the X chromosome-linked Kallmann syndrome. Biomedicine and Pharmacotherapy, 1994, 48, 241-246.	5.6	19
39	Methionylâ€tRNA synthetase from Caenorhabditis elegans: A specific multidomain organization for convergent functional evolution. Protein Science, 2010, 19, 2475-2484.	7.6	18
40	Autophagy mediates phosphatidylserine exposure and phagosome degradation during apoptosis through specific functions of GABARAP/LGG-1 and LC3/LGG-2. Autophagy, 2019, 15, 228-241.	9.1	16
41	Human GABARAP can restore autophagosome biogenesis in aC. elegans lgg-1mutant. Autophagy, 2014, 10, 1868-1872.	9.1	15
42	Early expression of the KAL gene during embryonic development of the chick. Anatomy and Embryology, 1994, 190, 549-62.	1.5	13
43	Mitophagy during development and stress in C. elegans. Mechanisms of Ageing and Development, 2020, 189, 111266.	4.6	13
44	Tools and methods to analyze autophagy in C. elegans. Methods, 2015, 75, 162-171.	3.8	12
45	The ESCRT-II proteins are involved in shaping the sarcoplasmic reticulum. Journal of Cell Science, 2016, 129, 1490-9.	2.0	12
46	Autophagy in endosomal mutants. Worm, 2012, 1, 216-220.	1.0	9
47	The strange case of Drp1 in autophagy: Jekyll and Hyde?. BioEssays, 2022, 44, e2100271.	2.5	6
48	Interactions Between Endosomal Maturation and Autophagy. Methods in Enzymology, 2014, 534, 93-118.	1.0	5
49	Exploring selective autophagy events in multiple biologic models using LC3-interacting regions (LIR)-based molecular traps. Scientific Reports, 2022, 12, 7652.	3.3	5
50	Correlative Light and Electron Microscopy to Analyze LC3 Proteins in Caenorhabditis elegans Embryo. Methods in Molecular Biology, 2019, 1880, 281-293.	0.9	3
51	A DRP-1 dependent autophagy process facilitates rebuilding of the mitochondrial network and modulates adaptation capacity in response to acute heat stress during C. elegans development. Autophagy, 2021, 17, 2654-2655.	9.1	3
52	An Efficient Multicolor Two-Photon Imaging of Endogenous Fluorophores in Living Tissues by Wavelength Mixing. Biophysical Journal, 2017, 112, 186a.	0.5	2
53	SAFER, an Analysis Method of Quantitative Proteomic Data, Reveals New Interactors of the C. elegans Autophagic Protein LGG-1. Journal of Proteome Research, 2016, 15, 1515-1523.	3.7	1
54	Subcellular Localization of ESCRT-II in the Nematode C. elegans by Correlative Light Electron Microscopy. Methods in Molecular Biology, 2019, 1998, 49-61.	0.9	0

#	Article	IF	Citations
55	Fast P-THG microscopy for the characterization of biomaterials. , 2019, , .		0
56	Lâ€™autophagie facilite laÂreconstruction du rÃ©seau mitochondrial aprÃ¨s un stress thermique chez le nÃ©matode C.Âelegans. Medecine/Sciences, 2022, 38, 517-519.	0.2	0