Isabelle Beau

List of Publications by Year
in descending order

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48 papers	7,666 citations	172457 29 h-index	206112 48 g-index
48 all docs	48 docs citations	48 times ranked	14599 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
2	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (edition	9.1	1,430
3	Overview of macroautophagy regulation in mammalian cells. Cell Research, 2010, 20, 748-762.	12.0	437
4	Functional interaction between autophagy and ciliogenesis. Nature, 2013, 502, 194-200.	27.8	357
5	A Chorionic Gonadotropinâ€“Sensitive Mutation in the Follicle-Stimulating Hormone Receptor as a Cause of Familial Gestational Spontaneous Ovarian Hyperstimulation Syndrome. New England Journal of Medicine, 2003, 349, 753-759.	27.0	195
6	Autophagy in health and disease. 1. Regulation and significance of autophagy: an overview. American Journal of Physiology - Cell Physiology, 2010, 298, C776-C785.	4.6	168
7	The Human Cytomegalovirus Protein TRS1 Inhibits Autophagy via Its Interaction with Beclin 1. Journal of Virology, 2012, 86, 2571-2584.	3.4	143
8	The Herpes Simplex Virus 1 Us11 Protein Inhibits Autophagy through Its Interaction with the Protein Kinase PKR. Journal of Virology, 2013, 87, 859-871.	3.4	139
9	Primary-cilium-dependent autophagy controls epithelial cell volume in response to fluid flow. Nature Cell Biology, 2016, 18, 657-667.	10.3	127
10	Afa/Dr Diffusely Adhering Escherichia coli Strain C1845 Induces Neutrophil Extracellular Traps That Kill Bacteria and Damage Human Enterocyte-Like Cells. Infection and Immunity, 2012, 80, 1891-1899.	2.2	109
11	Identification of Multiple Gene Mutations Accounts for a new Genetic Architecture of Primary Ovarian Insufficiency. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 4541-4550.	3.6	99
12	Sequential Cleavage and Excision of a Segment of the Thyrotropin Receptor Ectodomain. Journal of Biological Chemistry, 1999, 274, 101-107.	3.4	90
13	AMH prevents primordial ovarian follicle loss and fertility alteration in cyclophosphamideâ€treated mice. FASEB Journal, 2019, 33, 1278-1287.	0.5	84
14	Analysis of the role of autophagy inhibition by two complementary human cytomegalovirus BECN1/Beclin 1-binding proteins. Autophagy, 2016, 12, 327-342.	9.1	82
15	Functional characterization of the human FSH receptor with an inactivating Ala189Val mutation. Molecular Human Reproduction, 2002, 8, 311-317.	2.8	79
16	Non-canonical autophagy: An exception or an underestimated form of autophagy?. Autophagy, 2008, 4, 1083-1085.	9.1	70
17	Autophagosomes and human diseases. International Journal of Biochemistry and Cell Biology, 2011, 43, 460-464.	2.8	65
18	New mutations in non-syndromic primary ovarian insufficiency patients identified via whole-exome sequencing. Human Reproduction, 2017, 32, 1512-1520.	0.9	65

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19	Lost to translation: when autophagy targets mature ribosomes. Trends in Cell Biology, 2008, 18, 311-314.	7.9	63
20	SQSTM1/p62 regulates the expression of junctional proteins through epithelial-mesenchymal transition factors. Cell Cycle, 2015, 14, 364-374.	2.6	57
21	Anti-MÃ¼llerian Hormone and Ovarian Morphology in Women With Isolated Hypogonadotropic Hypogonadism/Kallmann Syndrome: Effects of Recombinant Human FSH. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 1102-1111.	3.6	55
22	ATG7 and ATG9A loss-of-function variants trigger autophagy impairment and ovarian failure. Genetics in Medicine, 2019, 21, 930-938.	2.4	55
23	The Impact of Chemotherapy on the Ovaries: Molecular Aspects and the Prevention of Ovarian Damage. International Journal of Molecular Sciences, 2019, 20, 5342.	4.1	44
24	Basolateral Localization and Transcytosis of Gonadotropin and Thyrotropin Receptors Expressed in Madin-Darby Canine Kidney Cells. Journal of Biological Chemistry, 1997, 272, 5241-5248.	3.4	43
25	Targeting autophagy enhances the anti-tumoral action of crizotinib in ALK-positive anaplastic large cell lymphoma. Oncotarget, 2015, 6, 30149-30164.	1.8	43
26	Biological function of mutant forms of JAGGED1 proteins in Alagille syndrome: inhibitory effect on Notch signaling. Human Molecular Genetics, 2007, 16, 2683-2692.	2.9	41
27	Gonadotropin receptors and the control of gonadal steroidogenesis: Physiology and pathology. Bailliere's Clinical Endocrinology and Metabolism, 1998, 12, 35-66.	1.0	37
28	A Protein Kinase A-Dependent Mechanism by Which Rotavirus Affects the Distribution and mRNA Level of the Functional Tight Junction-Associated Protein, Occludin, in Human Differentiated Intestinal Caco-2 Cells. Journal of Virology, 2007, 81, 8579-8586.	3.4	33
29	Role of cleavage and shedding in human thyrotropin receptor function and trafficking. FEBS Journal, 2003, 270, 3486-3497.	0.2	31
30	The Basolateral Localization Signal of the Follicle-stimulating Hormone Receptor. Journal of Biological Chemistry, 1998, 273, 18610-18616.	3.4	29
31	High-throughput ovarian follicle counting by an innovative deep learning approach. Scientific Reports, 2018, 8, 13499.	3.3	28
32	BMPR1A and BMPR1B Missense Mutations Cause Primary Ovarian Insufficiency. Journal of Clinical Endocrinology and Metabolism, 2020, 105, e1449-e1457.	3.6	26
33	First mutation in the FSHR cytoplasmic tail identified in a non-pregnant woman with spontaneous ovarian hyperstimulation syndrome. BMC Medical Genetics, 2017, 18, 44.	2.1	22
34	A cyclic AMP protein kinase A-dependent mechanism by which rotavirus impairs the expression and enzyme activity of brush border-associated sucrase-isomaltase in differentiated intestinal Caco-2 cells. Cellular Microbiology, 2004, 6, 719-731.	2.1	20
35	Anti-MÃ¼llerian Hormone in Fertility Preservation: Clinical and Therapeutic Applications. Clinical Medicine Insights Reproductive Health, 2019, 13, 117955811985475.	3.9	20
36	Rotavirus impairs the biosynthesis of brush-border-associated dipeptidyl peptidase IV in human enterocyte-like Caco-2/TC7 cells. Cellular Microbiology, 2007, 9, 779-789.	2.1	19

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37	Impaired protein stability and nuclear localization ofNOBOXvariants associated with premature ovarian insufficiency. Human Molecular Genetics, 2016, 25, ddw342.	2.9	19
38	Autocrine actions of prolactin contribute to the regulation of lactotroph function in vivo. FASEB Journal, 2018, 32, 4791-4797.	0.5	19
39	An NSP4-dependant mechanism by which rotavirus impairs lactase enzymatic activity in brush border of human enterocyte-like Caco-2 cells. Cellular Microbiology, 2007, 9, 2254-2266.	2.1	18
40	Germline Prolactin Receptor Mutation Is Not a Major Cause of Sporadic Prolactinoma in Humans. Neuroendocrinology, 2016, 103, 738-745.	2.5	17
41	Functional evidence implicating NOTCH2 missense mutations in primary ovarian insufficiency etiology. Human Mutation, 2019, 40, 25-30.	2.5	17
42	The Basolateral Sorting Signals of the Thyrotropin and Luteinizing Hormone Receptors: An Unusual Family of Signals Sharing an Unusual Distal Intracellular Localization, but Unrelated in Their Structures. Molecular Endocrinology, 2004, 18, 733-746.	3.7	16
43	R-spondin2, a novel target of NOBOX: identification of variants in a cohort of women with primary ovarian insufficiency. Journal of Ovarian Research, 2017, 10, 51.	3.0	9
44	Role of Src Kinases in Mobilization of Glycosylphosphatidylinositol-Anchored Decay-Accelerating Factor by Dr Fimbria-Positive Adhering Bacteria. Infection and Immunity, 2011, 79, 2519-2534.	2.2	6
45	Retinoic Acid-Induced Heparin Binding Protein (RIHB) Binds to Embryonal Chondrocytes and Cartilage Primarily via Proteoglycans. Experimental Cell Research, 1995, 218, 531-539.	2.6	5
46	Apical expression of human full-length hCEACAM1-4L protein renders the Madin Darby Canine Kidney cells responsive to lipopolysaccharide leading to TLR4-dependent Erk1/2 and p38 MAPK signalling. Cellular Microbiology, 2011, 13, 764-785.	2.1	5
47	GTP: Gatekeeper for Autophagy. Molecular Cell, 2010, 39, 485-486.	9.7	4
48	A novel mutation in <scp>KHDRBS</scp>1 in a patient affected by primary ovarian insufficiency. Clinical Endocrinology, 2018, 89, 245-246.	2.4	4