

Philippe Pierre

List of Publications by Citations

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105
papers

15,510
citations

45
h-index

111
g-index

111
ext. papers

17,687
ext. citations

10.3
avg, IF

5.78
L-index

#	Paper	IF	Citations
105	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
104	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544	10.2	2783
103	SUnSET, a nonradioactive method to monitor protein synthesis. <i>Nature Methods</i> , 2009 , 6, 275-7	21.6	869
102	Developmental regulation of MHC class II transport in mouse dendritic cells. <i>Nature</i> , 1997 , 388, 787-92	50.4	639
101	MicroRNA-155 modulates the interleukin-1 signaling pathway in activated human monocyte-derived dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 2735-40	11.5	576
100	Novel insights into the relationships between dendritic cell subsets in human and mouse revealed by genome-wide expression profiling. <i>Genome Biology</i> , 2008 , 9, R17	18.3	402
99	Suppression of eIF2 α kinases alleviates Alzheimer's disease-related plasticity and memory deficits. <i>Nature Neuroscience</i> , 2013 , 16, 1299-305	25.5	356
98	CLIP-170 links endocytic vesicles to microtubules. <i>Cell</i> , 1992 , 70, 887-900	56.2	335
97	Developmental regulation of invariant chain proteolysis controls MHC class II trafficking in mouse dendritic cells. <i>Cell</i> , 1998 , 93, 1135-45	56.2	333
96	PLEKHM1 regulates autophagosome-lysosome fusion through HOPS complex and LC3/GABARAP proteins. <i>Molecular Cell</i> , 2015 , 57, 39-54	17.6	311
95	Novel insights into the regulation of skeletal muscle protein synthesis as revealed by a new nonradioactive in vivo technique. <i>FASEB Journal</i> , 2011 , 25, 1028-39	0.9	311
94	Exaggerated translation causes synaptic and behavioural aberrations associated with autism. <i>Nature</i> , 2013 , 493, 411-5	50.4	255
93	Genetic removal of p70 S6 kinase 1 corrects molecular, synaptic, and behavioral phenotypes in fragile X syndrome mice. <i>Neuron</i> , 2012 , 76, 325-37	13.9	229
92	Antigen capture, processing, and presentation by dendritic cells: recent cell biological studies. <i>Human Immunology</i> , 1999 , 60, 562-7	2.3	201
91	Brucella control of dendritic cell maturation is dependent on the TIR-containing protein Btp1. <i>PLoS Pathogens</i> , 2008 , 4, e21	7.6	196
90	Nuclear translation visualized by ribosome-bound nascent chain puromycylation. <i>Journal of Cell Biology</i> , 2012 , 197, 45-57	7.3	189
89	MHC class II stabilization at the surface of human dendritic cells is the result of maturation-dependent MARCH I down-regulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 3491-6	11.5	187

88	Transient aggregation of ubiquitinated proteins during dendritic cell maturation. <i>Nature</i> , 2002 , 417, 177-82	5.24	166
87	Dendritic cell aggresome-like induced structures are dedicated areas for ubiquitination and storage of newly synthesized defective proteins. <i>Journal of Cell Biology</i> , 2004 , 164, 667-75	7.3	130
86	Progressively impaired proteasomal capacity during terminal plasma cell differentiation. <i>EMBO Journal</i> , 2006 , 25, 1104-13	13	120
85	1,25(OH) ₂ -vitamin D ₃ enhances the stimulating effect of leucine and insulin on protein synthesis rate through Akt/PKB and mTOR mediated pathways in murine C2C12 skeletal myotubes. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 2137-46	5.9	118
84	HLA-DM is localized to conventional and unconventional MHC class II-containing endocytic compartments. <i>Immunity</i> , 1996 , 4, 229-39	32.3	111
83	Brain-specific disruption of the eIF2 α kinase PERK decreases ATF4 expression and impairs behavioral flexibility. <i>Cell Reports</i> , 2012 , 1, 676-88	10.6	101
82	Chikungunya virus induces IPS-1-dependent innate immune activation and protein kinase R-independent translational shutoff. <i>Journal of Virology</i> , 2011 , 85, 606-20	6.6	101
81	Species-specific impact of the autophagy machinery on Chikungunya virus infection. <i>EMBO Reports</i> , 2013 , 14, 534-44	6.5	99
80	Mapping the crossroads of immune activation and cellular stress response pathways. <i>EMBO Journal</i> , 2013 , 32, 1214-24	13	96
79	Polyploids require Bik1 for kinetochore-microtubule attachment. <i>Journal of Cell Biology</i> , 2001 , 155, 1173-84	7.84	91
78	Brain-derived neurotrophic factor activation of CaM-kinase kinase via transient receptor potential canonical channels induces the translation and synaptic incorporation of GluA1-containing calcium-permeable AMPA receptors. <i>Journal of Neuroscience</i> , 2012 , 32, 8127-37	6.6	87
77	Large G3BP-induced granules trigger eIF2 α phosphorylation. <i>Molecular Biology of the Cell</i> , 2012 , 23, 3499-510	5.10	85
76	BtpB, a novel Brucella TIR-containing effector protein with immune modulatory functions. <i>Frontiers in Cellular and Infection Microbiology</i> , 2013 , 3, 28	5.9	81
75	Proteasome-dependent activation of mammalian target of rapamycin complex 1 (mTORC1) is essential for autophagy suppression and muscle remodeling following denervation. <i>Journal of Biological Chemistry</i> , 2013 , 288, 1125-34	5.4	80
74	Inhibition of the interactions between eukaryotic initiation factors 4E and 4G impairs long-term associative memory consolidation but not reconsolidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 3383-8	11.5	80
73	Induction of GADD34 is necessary for dsRNA-dependent interferon- β production and participates in the control of Chikungunya virus infection. <i>PLoS Pathogens</i> , 2012 , 8, e1002708	7.6	80
72	Sleep deprivation impairs memory by attenuating mTORC1-dependent protein synthesis. <i>Science Signaling</i> , 2016 , 9, ra41	8.8	75
71	Human cathepsin S, but not cathepsin L, degrades efficiently MHC class II-associated invariant chain in nonprofessional APCs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 6664-9	11.5	73

70	RNA binding targets aminoacyl-tRNA synthetases to translating ribosomes. <i>Journal of Biological Chemistry</i> , 2011 , 286, 20688-700	5.4	66
69	Muscle protein synthesis, mTORC1/MAPK/Hippo signaling, and capillary density are altered by blocking of myostatin and activins. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 304, E41-50	6	65
68	Purification and analysis of authentic CLIP-170 and recombinant fragments. <i>Journal of Biological Chemistry</i> , 1999 , 274, 25883-91	5.4	60
67	Regulation of translation is required for dendritic cell function and survival during activation. <i>Journal of Cell Biology</i> , 2007 , 179, 1427-39	7.3	58
66	MRF4 negatively regulates adult skeletal muscle growth by repressing MEF2 activity. <i>Nature Communications</i> , 2016 , 7, 12397	17.4	57
65	Focal adhesion kinase is required for IGF-I-mediated growth of skeletal muscle cells via a TSC2/mTOR/S6K1-associated pathway. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 305, E183-93	6	55
64	Integration of PKR-dependent translation inhibition with innate immunity is required for a coordinated anti-viral response. <i>FEBS Letters</i> , 2015 , 589, 1539-45	3.8	53
63	Autophagy inhibition promotes defective neosynthesized proteins storage in ALIS, and induces redirection toward proteasome processing and MHC-I-restricted presentation. <i>Autophagy</i> , 2012 , 8, 350-63 ^{10.2}	6.3	53
62	Modifying chemotherapy response by targeted inhibition of eukaryotic initiation factor 4A. <i>Blood Cancer Journal</i> , 2013 , 3, e128	7	48
61	Protein phosphatase 1 subunit Ppp1r15a/GADD34 regulates cytokine production in polyinosinic:polycytidylic acid-stimulated dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 3006-11	11.5	46
60	Discovery of a new family of bis-8-hydroxyquinoline substituted benzylamines with pro-apoptotic activity in cancer cells: synthesis, structure-activity relationship, and action mechanism studies. <i>European Journal of Medicinal Chemistry</i> , 2009 , 44, 558-67	6.8	44
59	SCENITH: A Flow Cytometry-Based Method to Functionally Profile Energy Metabolism with Single-Cell Resolution. <i>Cell Metabolism</i> , 2020 , 32, 1063-1075.e7	24.6	43
58	Synthesis of new 3-alkoxy-7-amino-4-chloro-isocoumarin derivatives as new beta-amyloid peptide production inhibitors and their activities on various classes of protease. <i>Bioorganic and Medicinal Chemistry</i> , 2003 , 11, 3141-52	3.4	42
57	Dendritic cells, DRiPs, and DALIS in the control of antigen processing. <i>Immunological Reviews</i> , 2005 , 207, 184-90	11.3	42
56	Protein synthesis inhibition and GADD34 control IFN- γ -heterogeneous expression in response to dsRNA. <i>EMBO Journal</i> , 2017 , 36, 761-782	13	40
55	GCN2 contributes to mTORC1 inhibition by leucine deprivation through an ATF4 independent mechanism. <i>Scientific Reports</i> , 2016 , 6, 27698	4.9	40
54	Autophagy and MHC-restricted antigen presentation. <i>Molecular Immunology</i> , 2018 , 99, 163-170	4.3	40
53	RUN and FYVE domain-containing protein 4 enhances autophagy and lysosome tethering in response to Interleukin-4. <i>Journal of Cell Biology</i> , 2015 , 210, 1133-52	7.3	39

52	At the crossway of ER-stress and proinflammatory responses. <i>FEBS Journal</i> , 2019 , 286, 297-310	5.7	39
51	International Executives, Identity Strategies and Mobility in France and China. <i>Asia Pacific Business Review</i> , 2006 , 12, 53-76	1.2	38
50	Lonely MHC molecules seeking immunogenic peptides for meaningful relationships. <i>Current Opinion in Cell Biology</i> , 1995 , 7, 564-72	9	38
49	Exploring the mechanisms of antigen processing by cell fractionation. <i>Current Opinion in Immunology</i> , 1998 , 10, 145-53	7.8	36
48	BAD-LAMP controls TLR9 trafficking and signalling in human plasmacytoid dendritic cells. <i>Nature Communications</i> , 2017 , 8, 913	17.4	34
47	Understanding the cell biology of antigen presentation: the dendritic cell contribution. <i>Current Opinion in Cell Biology</i> , 2003 , 15, 468-73	9	34
46	Cystatin F is secreted, but artificial modification of its C-terminus can induce its endocytic targeting. <i>Experimental Cell Research</i> , 2004 , 297, 607-18	4.2	33
45	NAD(P)H quinone-oxydoreductase 1 protects eukaryotic translation initiation factor 4G1 from degradation by the proteasome. <i>Molecular and Cellular Biology</i> , 2010 , 30, 1097-105	4.8	31
44	Multiple components of eIF4F are required for protein synthesis-dependent hippocampal long-term potentiation. <i>Journal of Neurophysiology</i> , 2013 , 109, 68-76	3.2	28
43	BAD-LAMP is a novel biomarker of nonactivated human plasmacytoid dendritic cells. <i>Blood</i> , 2011 , 118, 609-17	2.2	28
42	Ribosomal protein mRNAs are translationally-regulated during human dendritic cells activation by LPS. <i>Immunome Research</i> , 2009 , 5, 5		28
41	Molecular dissection of plasmacytoid dendritic cell activation during a viral infection. <i>EMBO Journal</i> , 2018 , 37,	13	27
40	Systems biology of infectious diseases: a focus on fungal infections. <i>Immunobiology</i> , 2011 , 216, 1212-27	3.4	27
39	Invariant chain controls H2-M proteolysis in mouse splenocytes and dendritic cells. <i>Journal of Experimental Medicine</i> , 2000 , 191, 1057-62	16.6	27
38	The endosomal proteome of macrophage and dendritic cells. <i>Proteomics</i> , 2011 , 11, 854-64	4.8	26
37	Distinct metabolic programs established in the thymus control effector functions of Γ cell subsets in tumor microenvironments. <i>Nature Immunology</i> , 2021 , 22, 179-192	19.1	26
36	LAMP5 Fine-Tunes GABAergic Synaptic Transmission in Defined Circuits of the Mouse Brain. <i>PLoS ONE</i> , 2016 , 11, e0157052	3.7	23
35	Most human proteins made in both nucleus and cytoplasm turn over within minutes. <i>PLoS ONE</i> , 2014 , 9, e99346	3.7	22

34	BAD-LAMP defines a subset of early endocytic organelles in subpopulations of cortical projection neurons. <i>Journal of Cell Science</i> , 2007 , 120, 353-65	5.3	21
33	Imaging of protein synthesis with puromycin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E989; author reply E990	11.5	20
32	DC-ATLAS: a systems biology resource to dissect receptor specific signal transduction in dendritic cells. <i>Immunome Research</i> , 2010 , 6, 10		20
31	MARCH9-mediated ubiquitination regulates MHC I export from the TGN. <i>Immunology and Cell Biology</i> , 2017 , 95, 753-764	5	18
30	Skeletal muscle cells express ICAM-1 after muscle overload and ICAM-1 contributes to the ensuing hypertrophic response. <i>PLoS ONE</i> , 2013 , 8, e58486	3.7	16
29	Immunity and the regulation of protein synthesis: surprising connections. <i>Current Opinion in Immunology</i> , 2009 , 21, 70-7	7.8	14
28	Regulation of protein synthesis and autophagy in activated dendritic cells: implications for antigen processing and presentation. <i>Immunological Reviews</i> , 2016 , 272, 28-38	11.3	14
27	Guanabenz inhibits TLR9 signaling through a pathway that is independent of eIF2 β dephosphorylation by the GADD34/PP1c complex. <i>Science Signaling</i> , 2018 , 11,	8.8	13
26	In vivo imaging of the spatiotemporal activity of the eIF2 β /ATF4 signaling pathway: Insights into stress and related disorders. <i>Science Signaling</i> , 2015 , 8, rs5	8.8	12
25	SunRISE - measuring translation elongation at single-cell resolution by means of flow cytometry. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	12
24	Intercellular adhesion molecule-1 expression by skeletal muscle cells augments myogenesis. <i>Experimental Cell Research</i> , 2015 , 331, 292-308	4.2	11
23	Unfolded protein response gene GADD34 is overexpressed in rheumatoid arthritis and related to the presence of circulating anti-citrullinated protein antibodies. <i>Autoimmunity</i> , 2016 , 49, 172-8	3	11
22	Guanabenz Prevents d-Galactosamine/Lipopolysaccharide-Induced Liver Damage and Mortality. <i>Frontiers in Immunology</i> , 2017 , 8, 679	8.4	11
21	Detection of a Subset of Posttranscriptional Transfer RNA Modifications in Vivo with a Restriction Fragment Length Polymorphism-Based Method. <i>Biochemistry</i> , 2017 , 56, 4029-4038	3.2	10
20	TRNA mutations that affect decoding fidelity deregulate development and the proteostasis network in zebrafish. <i>RNA Biology</i> , 2014 , 11, 1199-213	4.8	10
19	Protein synthesis regulation, a pillar of strength for innate immunity?. <i>Current Opinion in Immunology</i> , 2015 , 32, 28-35	7.8	9
18	Voronto: mapper for expression data to ontologies. <i>Bioinformatics</i> , 2012 , 28, 2281-2	7.2	9
17	RUFY4: Immunity piggybacking on autophagy?. <i>Autophagy</i> , 2016 , 12, 598-600	10.2	7

16	Inhibition of protein translation as a mechanism of acidotic pH protection against ischaemic injury through inhibition of CREB mediated tRNA synthetase expression. <i>Experimental Cell Research</i> , 2013 , 319, 3116-27	4.2	7
15	Cannabinoid receptor 1 and acute resistance exercise--In vivo and in vitro studies in human skeletal muscle. <i>Peptides</i> , 2015 , 67, 55-63	3.8	6
14	Integrating stress responses and immunity. <i>Science</i> , 2019 , 365, 28-29	33.3	6
13	Integration of ER stress and viral nucleotide sensing in DCs: mounting a response commensurate to the threat?. <i>European Journal of Immunology</i> , 2011 , 41, 898-901	6.1	6
12	Polymerase III transcription is necessary for T cell priming by dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 22721-22729	11.5	5
11	The RUFYs, a Family of Effector Proteins Involved in Intracellular Trafficking and Cytoskeleton Dynamics. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 779	5.7	5
10	Proteostasis in dendritic cells is controlled by the PERK signaling axis independently of ATF4. <i>Life Science Alliance</i> , 2021 , 4,	5.8	4
9	Genetic modification of murine dendritic cells by RNA transfection. <i>Methods in Molecular Biology</i> , 2009 , 531, 145-56	1.4	3
8	Zdhc2 Is Essential for Plasmacytoid Dendritic Cells Mediated Inflammatory Response in Psoriasis. <i>Frontiers in Immunology</i> , 2020 , 11, 607442	8.4	3
7	Are p53 inhibitors potentially useful therapeutics?. <i>Drug Development Research</i> , 2005 , 65, 43-49	5.1	2
6	Purification and Characterization of MHC Class II Containing Organelles in Mouse Bone-Marrow-Derived Dendritic Cells. <i>Methods in Molecular Medicine</i> , 2001 , 64, 413-22		1
5	LAMP-5 is an essential inflammatory-signaling regulator and novel immunotherapy target for Mixed Lineage Leukemia-Rearranged acute leukemia. <i>Haematologica</i> , 2021 ,	6.6	1
4	Letter to the Editor: Protein phosphatase 1 subunit Ppp1r15a/GADD34 is overexpressed in systemic lupus erythematosus and related to the expression of type I interferon response genes. <i>Autoimmunity Reviews</i> , 2019 , 18, 211-213	13.6	1
3	RUFY4 exists as two translationally regulated isoforms, that localize to the mitochondrion in activated macrophages. <i>Royal Society Open Science</i> , 2021 , 8, 202333	3.3	0
2	The Role of LAMP5 in Innate Immune Signaling Is Critical for the Survival of MLL Leukemias. <i>Blood</i> , 2018 , 132, 3900-3900	2.2	
1	Blocking of myostatin and activins increase muscle protein synthesis and mTORC1 signaling but decreases capillary density. <i>FASEB Journal</i> , 2012 , 26, 1075.2	0.9	