Philippe Pierre

List of Publications by Year in Descending Order

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	Proteostasis in dendritic cells is controlled by the PERK signaling axis independently of ATF4. *Life Science Alliance*, **2021**, 4,	5.8	4
104	LAMP-5 is an essential inflammatory-signaling regulator and novel immunotherapy target for Mixed Lineage Leukemia-Rearranged acute leukemia. *Haematologica*, **2021**,	6.6	1
103	RUFY4 exists as two translationally regulated isoforms, that localize to the mitochondrion in activated macrophages. *Royal Society Open Science*, **2021**, 8, 202333	3.3	0
102	Distinct metabolic programs established in the thymus control effector functions of γδ T cell subsets in tumor microenvironments. *Nature Immunology*, **2021**, 22, 179-192	19.1	26
101	SCENITH: A Flow Cytometry-Based Method to Functionally Profile Energy Metabolism with Single-Cell Resolution. *Cell Metabolism*, **2020**, 32, 1063-1075.e7	24.6	43
100	The RUFYs, a Family of Effector Proteins Involved in Intracellular Trafficking and Cytoskeleton Dynamics. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 779	5.7	5
99	Zdhhc2 Is Essential for Plasmacytoid Dendritic Cells Mediated Inflammatory Response in Psoriasis. *Frontiers in Immunology*, **2020**, 11, 607442	8.4	3
98	Integrating stress responses and immunity. *Science*, **2019**, 365, 28-29	33.3	6
97	Polymerase III transcription is necessary for T cell priming by dendritic cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 22721-22729	11.5	5
96	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. *Autoimmunity Reviews*, **2019**, 18, 211-213	13.6	1
95	At the crossway of ER-stress and proinflammatory responses. *FEBS Journal*, **2019**, 286, 297-310	5.7	39
94	Guanabenz inhibits TLR9 signaling through a pathway that is independent of eIF2α dephosphorylation by the GADD34/PP1c complex. *Science Signaling*, **2018**, 11,	8.8	13
93	SunRiSE - measuring translation elongation at single-cell resolution by means of flow cytometry. *Journal of Cell Science*, **2018**, 131,	5.3	12
92	Molecular dissection of plasmacytoid dendritic cell activation during a viral infection. *EMBO Journal* , **2018**, 37,	13	27
91	The Role of LAMP5 in Innate Immune Signaling Is Critical for the Survival of MLL Leukemias. *Blood*, **2018**, 132, 3900-3900	2.2	
90	Autophagy and MHC-restricted antigen presentation. *Molecular Immunology*, **2018**, 99, 163-170	4.3	40
89	Protein synthesis inhibition and GADD34 control IFN-β heterogeneous expression in response to dsRNA. *EMBO Journal*, **2017**, 36, 761-782	13	40

88	MARCH9-mediated ubiquitination regulates MHC I export from the TGN. *Immunology and Cell Biology*, **2017**, 95, 753-764	5	18
87	BAD-LAMP controls TLR9 trafficking and signalling in human plasmacytoid dendritic cells. *Nature Communications*, **2017**, 8, 913	17.4	34
86	Detection of a Subset of Posttranscriptional Transfer RNA Modifications in Vivo with a Restriction Fragment Length Polymorphism-Based Method. *Biochemistry*, **2017**, 56, 4029-4038	3.2	10
85	Guanabenz Prevents d-Galactosamine/Lipopolysaccharide-Induced Liver Damage and Mortality. *Frontiers in Immunology*, **2017**, 8, 679	8.4	11
84	Sleep deprivation impairs memory by attenuating mTORC1-dependent protein synthesis. *Science Signaling*, **2016**, 9, ra41	8.8	75
83	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
82	RUFY4: Immunity piggybacking on autophagy?. *Autophagy*, **2016**, 12, 598-600	10.2	7
81	Unfolded protein response gene GADD34 is overexpressed in rheumatoid arthritis and related to the presence of circulating anti-citrullinated protein antibodies. *Autoimmunity*, **2016**, 49, 172-8	3	11
80	LAMP5 Fine-Tunes GABAergic Synaptic Transmission in Defined Circuits of the Mouse Brain. *PLoS ONE*, **2016**, 11, e0157052	3.7	23
79	Regulation of protein synthesis and autophagy in activated dendritic cells: implications for antigen processing and presentation. *Immunological Reviews*, **2016**, 272, 28-38	11.3	14
78	GCN2 contributes to mTORC1 inhibition by leucine deprivation through an ATF4 independent mechanism. *Scientific Reports*, **2016**, 6, 27698	4.9	40
77	MRF4 negatively regulates adult skeletal muscle growth by repressing MEF2 activity. *Nature Communications*, **2016**, 7, 12397	17.4	57
76	In vivo imaging of the spatiotemporal activity of the eIF2ATF4 signaling pathway: Insights into stress and related disorders. *Science Signaling*, **2015**, 8, rs5	8.8	12
75	Integration of PKR-dependent translation inhibition with innate immunity is required for a coordinated anti-viral response. *FEBS Letters*, **2015**, 589, 1539-45	3.8	53
74	Cannabinoid receptor 1 and acute resistance exercise--In vivo and in vitro studies in human skeletal muscle. *Peptides*, **2015**, 67, 55-63	3.8	6
73	RUN and FYVE domain-containing protein 4 enhances autophagy and lysosome tethering in response to Interleukin-4. *Journal of Cell Biology*, **2015**, 210, 1133-52	7.3	39
72	PLEKHM1 regulates autophagosome-lysosome fusion through HOPS complex and LC3/GABARAP proteins. *Molecular Cell*, **2015**, 57, 39-54	17.6	311
71	Intercellular adhesion molecule-1 expression by skeletal muscle cells augments myogenesis. *Experimental Cell Research*, **2015**, 331, 292-308	4.2	11

70	Protein synthesis regulation, a pillar of strength for innate immunity?. *Current Opinion in Immunology*, **2015**, 32, 28-35	7.8	9
69	Most human proteins made in both nucleus and cytoplasm turn over within minutes. *PLoS ONE*, **2014**, 9, e99346	3.7	22
68	TRNA mutations that affect decoding fidelity deregulate development and the proteostasis network in zebrafish. *RNA Biology*, **2014**, 11, 1199-213	4.8	10
67	1,25(OH)2-vitamin D3 enhances the stimulating effect of leucine and insulin on protein synthesis rate through Akt/PKB and mTOR mediated pathways in murine C2C12 skeletal myotubes. *Molecular Nutrition and Food Research*, **2013**, 57, 2137-46	5.9	118
66	Suppression of eIF2 kinases alleviates Alzheimer's disease-related plasticity and memory deficits. *Nature Neuroscience*, **2013**, 16, 1299-305	25.5	356
65	Muscle protein synthesis, mTORC1/MAPK/Hippo signaling, and capillary density are altered by blocking of myostatin and activins. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 304, E41-50	6	65
64	Multiple components of eIF4F are required for protein synthesis-dependent hippocampal long-term potentiation. *Journal of Neurophysiology*, **2013**, 109, 68-76	3.2	28
63	Exaggerated translation causes synaptic and behavioural aberrations associated with autism. *Nature*, **2013**, 493, 411-5	50.4	255
62	Inhibition of protein translation as a mechanism of acidotic pH protection against ischaemic injury through inhibition of CREB mediated tRNA synthetase expression. *Experimental Cell Research*, **2013** , 319, 3116-27	4.2	7
61	Mapping the crossroads of immune activation and cellular stress response pathways. *EMBO Journal* , **2013**, 32, 1214-24	13	96
60	Species-specific impact of the autophagy machinery on Chikungunya virus infection. *EMBO Reports*, **2013**, 14, 534-44	6.5	99
59	Focal adhesion kinase is required for IGF-I-mediated growth of skeletal muscle cells via a TSC2/mTOR/S6K1-associated pathway. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 305, E183-93	6	55
58	Proteasome-dependent activation of mammalian target of rapamycin complex 1 (mTORC1) is essential for autophagy suppression and muscle remodeling following denervation. *Journal of Biological Chemistry*, **2013**, 288, 1125-34	5.4	80
57	Modifying chemotherapy response by targeted inhibition of eukaryotic initiation factor 4A. *Blood Cancer Journal*, **2013**, 3, e128	7	48
56	BtpB, a novel Brucella TIR-containing effector protein with immune modulatory functions. *Frontiers in Cellular and Infection Microbiology*, **2013**, 3, 28	5.9	81
55	Skeletal muscle cells express ICAM-1 after muscle overload and ICAM-1 contributes to the ensuing hypertrophic response. *PLoS ONE*, **2013**, 8, e58486	3.7	16
54	Imaging of protein synthesis with puromycin. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E989; author reply E990	11.5	20
53	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. *Journal of Neuroscience*, **2012**, 32, 8127-37	6.6	87

52	Brain-specific disruption of the eIF2α kinase PERK decreases ATF4 expression and impairs behavioral flexibility. *Cell Reports*, **2012**, 1, 676-88	10.6	101
51	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
50	Genetic removal of p70 S6 kinase 1 corrects molecular, synaptic, and behavioral phenotypes in fragile X syndrome mice. *Neuron*, **2012**, 76, 325-37	13.9	229
49	Voronto: mapper for expression data to ontologies. *Bioinformatics*, **2012**, 28, 2281-2	7.2	9
48	Induction of GADD34 is necessary for dsRNA-dependent interferon-β production and participates in the control of Chikungunya virus infection. *PLoS Pathogens*, **2012**, 8, e1002708	7.6	80
47	Nuclear translation visualized by ribosome-bound nascent chain puromycylation. *Journal of Cell Biology*, **2012**, 197, 45-57	7.3	189
46	Autophagy inhibition promotes defective neosynthesized proteins storage in ALIS, and induces redirection toward proteasome processing and MHCI-restricted presentation. *Autophagy*, **2012**, 8, 350-63	10.2	53
45	Protein phosphatase 1 subunit Ppp1r15a/GADD34 regulates cytokine production in polyinosinic:polycytidylic acid-stimulated dendritic cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 3006-11	11.5	46
44	Large G3BP-induced granules trigger eIF2α phosphorylation. *Molecular Biology of the Cell*, **2012**, 23, 3499-510	3.3	85
43	Blocking of myostatin and activins increase muscle protein synthesis and mTORC1 signaling but decreases capillary density. *FASEB Journal*, **2012**, 26, 1075.2	0.9	
42	Systems biology of infectious diseases: a focus on fungal infections. *Immunobiology*, **2011**, 216, 1212-27	3.4	27
41	BAD-LAMP is a novel biomarker of nonactivated human plasmacytoid dendritic cells. *Blood*, **2011**, 118, 609-17	2.2	28
40	The endosomal proteome of macrophage and dendritic cells. *Proteomics*, **2011**, 11, 854-64	4.8	26
39	Integration of ER stress and viral nucleotide sensing in DCs: mounting a response commensurate to the threat?. *European Journal of Immunology*, **2011**, 41, 898-901	6.1	6
38	Inhibition of the interactions between eukaryotic initiation factors 4E and 4G impairs long-term associative memory consolidation but not reconsolidation. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 3383-8	11.5	80
37	Novel insights into the regulation of skeletal muscle protein synthesis as revealed by a new nonradioactive in vivo technique. *FASEB Journal*, **2011**, 25, 1028-39	0.9	311
36	RNA binding targets aminoacyl-tRNA synthetases to translating ribosomes. *Journal of Biological Chemistry*, **2011**, 286, 20688-700	5.4	66
35	Chikungunya virus induces IPS-1-dependent innate immune activation and protein kinase R-independent translational shutoff. *Journal of Virology*, **2011**, 85, 606-20	6.6	101

34	NAD(P)H quinone-oxydoreductase 1 protects eukaryotic translation initiation factor 4GI from degradation by the proteasome. *Molecular and Cellular Biology*, **2010**, 30, 1097-105	4.8	31
33	DC-ATLAS: a systems biology resource to dissect receptor specific signal transduction in dendritic cells. *Immunome Research*, **2010**, 6, 10		20
32	MicroRNA-155 modulates the interleukin-1 signaling pathway in activated human monocyte-derived dendritic cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 2735-40	11.5	576
31	Ribosomal protein mRNAs are translationally-regulated during human dendritic cells activation by LPS. *Immunome Research*, **2009**, 5, 5		28
30	SUnSET, a nonradioactive method to monitor protein synthesis. *Nature Methods*, **2009**, 6, 275-7	21.6	869
29	Immunity and the regulation of protein synthesis: surprising connections. *Current Opinion in Immunology*, **2009**, 21, 70-7	7.8	14
28	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. *European Journal of Medicinal Chemistry*, **2009**, 44, 558-67	6.8	44
27	Genetic modification of murine dendritic cells by RNA transfection. *Methods in Molecular Biology*, **2009**, 531, 145-56	1.4	3
26	Novel insights into the relationships between dendritic cell subsets in human and mouse revealed by genome-wide expression profiling. *Genome Biology*, **2008**, 9, R17	18.3	402
25	MHC class II stabilization at the surface of human dendritic cells is the result of maturation-dependent MARCH I down-regulation. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 3491-6	11.5	187
24	Brucella control of dendritic cell maturation is dependent on the TIR-containing protein Btp1. *PLoS Pathogens*, **2008**, 4, e21	7.6	196
23	Regulation of translation is required for dendritic cell function and survival during activation. *Journal of Cell Biology*, **2007**, 179, 1427-39	7.3	58
22	BAD-LAMP defines a subset of early endocytic organelles in subpopulations of cortical projection neurons. *Journal of Cell Science*, **2007**, 120, 353-65	5.3	21
21	International Executives, Identity Strategies and Mobility in France and China. *Asia Pacific Business Review*, **2006**, 12, 53-76	1.2	38
20	Progressively impaired proteasomal capacity during terminal plasma cell differentiation. *EMBO Journal*, **2006**, 25, 1104-13	13	120
19	Dendritic cells, DRiPs, and DALIS in the control of antigen processing. *Immunological Reviews*, **2005**, 207, 184-90	11.3	42
18	Are p53 inhibitors potentially useful therapeutics?. *Drug Development Research*, **2005**, 65, 43-49	5.1	2
17	Dendritic cell aggresome-like induced structures are dedicated areas for ubiquitination and storage of newly synthesized defective proteins. *Journal of Cell Biology*, **2004**, 164, 667-75	7.3	130

16	Cystatin F is secreted, but artificial modification of its C-terminus can induce its endocytic targeting. *Experimental Cell Research*, **2004**, 297, 607-18	4.2	33
15	Human cathepsin S, but not cathepsin L, degrades efficiently MHC class II-associated invariant chain in nonprofessional APCs. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 6664-9	11.5	73
14	Understanding the cell biology of antigen presentation: the dendritic cell contribution. *Current Opinion in Cell Biology*, **2003**, 15, 468-73	9	34
13	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. *Bioorganic and Medicinal Chemistry*, **2003**, 11, 3141-52	3.4	42
12	Transient aggregation of ubiquitinated proteins during dendritic cell maturation. *Nature*, **2002**, 417, 177-82	36.4	166
11	Polyploids require Bik1 for kinetochore-microtubule attachment. *Journal of Cell Biology*, **2001**, 155, 1173-84	7.4	91
10	Purification and Characterization of MHC Class II Containing Organelles in Mouse Bone-Marrow-Derived Dendritic Cells. *Methods in Molecular Medicine*, **2001**, 64, 413-22		1
9	Invariant chain controls H2-M proteolysis in mouse splenocytes and dendritic cells. *Journal of Experimental Medicine*, **2000**, 191, 1057-62	16.6	27
8	Purification and analysis of authentic CLIP-170 and recombinant fragments. *Journal of Biological Chemistry*, **1999**, 274, 25883-91	5.4	60
7	Antigen capture, processing, and presentation by dendritic cells: recent cell biological studies. *Human Immunology*, **1999**, 60, 562-7	2.3	201
6	Exploring the mechanisms of antigen processing by cell fractionation. *Current Opinion in Immunology*, **1998**, 10, 145-53	7.8	36
5	Developmental regulation of invariant chain proteolysis controls MHC class II trafficking in mouse dendritic cells. *Cell*, **1998**, 93, 1135-45	56.2	333
4	Developmental regulation of MHC class II transport in mouse dendritic cells. *Nature*, **1997**, 388, 787-92	50.4	639
3	HLA-DM is localized to conventional and unconventional MHC class II-containing endocytic compartments. *Immunity*, **1996**, 4, 229-39	32.3	111
2	Lonely MHC molecules seeking immunogenic peptides for meaningful relationships. *Current Opinion in Cell Biology*, **1995**, 7, 564-72	9	38
1	CLIP-170 links endocytic vesicles to microtubules. *Cell*, **1992**, 70, 887-900	56.2	335