Philippe Pierre

List of Publications by Year
in descending order

109	19,120	36303 51	29157 104
papers	citations	h-index	g-index

111	111	111	34777
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	SUnSET, a nonradioactive method to monitor protein synthesis. Nature Methods, 2009, 6, 275-277.	19.0	1,297
4	Developmental regulation of MHC class II transport in mouse dendritic cells. Nature, 1997, 388, 787-792.	27.8	707
5	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, 2735-2740.	7.1	672
6	Suppression of eIF2Î± kinases alleviates Alzheimer's diseaseâ€“related plasticity and memory deficits. Nature Neuroscience, 2013, 16, 1299-1305.	14.8	486
7	Novel insights into the relationships between dendritic cell subsets in human and mouse revealed by genome-wide expression profiling. Genome Biology, 2008, 9, R17.	9.6	472
8	PLEKHM1 Regulates Autophagosome-Lysosome Fusion through HOPS Complex and LC3/GABARAP Proteins. Molecular Cell, 2015, 57, 39-54.	9.7	448
9	Novel insights into the regulation of skeletal muscle protein synthesis as revealed by a new nonradioactivein vivotechnique. FASEB Journal, 2011, 25, 1028-1039.	0.5	389
10	Developmental Regulation of Invariant Chain Proteolysis Controls MHC Class II Trafficking in Mouse Dendritic Cells. Cell, 1998, 93, 1135-1145.	28.9	361
11	CLIP-170 links endocytic vesicles to microtubules. Cell, 1992, 70, 887-900.	28.9	357
12	Exaggerated translation causes synaptic and behavioural aberrations associated with autism. Nature, 2013, 493, 411-415.	27.8	317
13	Genetic Removal of p70 S6 Kinase 1 Corrects Molecular, Synaptic, and Behavioral Phenotypes in Fragile X Syndrome Mice. Neuron, 2012, 76, 325-337.	8.1	280
14	Nuclear translation visualized by ribosome-bound nascent chain puromycylation. Journal of Cell Biology, 2012, 197, 45-57.	5.2	255
15	Brucella Control of Dendritic Cell Maturation Is Dependent on the TIR-Containing Protein Btp1. PLoS Pathogens, 2008, 4, e21.	4.7	253
16	Antigen capture, processing, and presentation by dendritic cells: recent cell biological studies. Human Immunology, 1999, 60, 562-567.	2.4	223
17	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, 3491-3496.	7.1	214
18	SCENITH: A Flow Cytometry-Based Method to Functionally Profile Energy Metabolism with Single-Cell Resolution. Cell Metabolism, 2020, 32, 1063-1075.e7.	16.2	189

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19	Transient aggregation of ubiquitinated proteins during dendritic cell maturation. Nature, 2002, 417, 177-182.	27.8	178
20	1,25(<scp>OH</scp>)₂â€vitamin <scp>D</scp>₃ enhances the stimulating effect of leucine and insulin on protein synthesis rate through <scp>A</scp>kt/<scp>PKB</scp> and m<scp>TOR</scp> mediated pathways in murine <scp>C</scp>2<scp>C</scp>12 skeletal myotubes. Molecular Nutrition and Food Research, 2013, 57, 2137-2146.	3.3	142
21	Dendritic cell aggresome-like induced structures are dedicated areas for ubiquitination and storage of newly synthesized defective proteins. Journal of Cell Biology, 2004, 164, 667-675.	5.2	139
22	Progressively impaired proteasomal capacity during terminal plasma cell differentiation. EMBO Journal, 2006, 25, 1104-1113.	7.8	139
23	Brain-Specific Disruption of the eIF2Î± Kinase PERK Decreases ATF4 Expression and Impairs Behavioral Flexibility. Cell Reports, 2012, 1, 676-688.	6.4	126
24	Speciesâ€specific impact of the autophagy machinery on Chikungunya virus infection. EMBO Reports, 2013, 14, 534-544.	4.5	121
25	HLA-DM Is Localized to Conventional and Unconventional MHC Class IIâ€“Containing Endocytic Compartments. Immunity, 1996, 4, 229-239.	14.3	118
26	Chikungunya Virus Induces IPS-1-Dependent Innate Immune Activation and Protein Kinase R-Independent Translational Shutoff. Journal of Virology, 2011, 85, 606-620.	3.4	113
27	Mapping the crossroads of immune activation and cellular stress response pathways. EMBO Journal, 2013, 32, 1214-1224.	7.8	113
28	Large G3BP-induced granules trigger eIF2Î± phosphorylation. Molecular Biology of the Cell, 2012, 23, 3499-3510.	2.1	111
29	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, 8127-8137.	3.6	111
30	BtpB, a novel Brucella TIR-containing effector protein with immune modulatory functions. Frontiers in Cellular and Infection Microbiology, 2013, 3, 28.	3.9	110
31	Sleep deprivation impairs memory by attenuating mTORC1-dependent protein synthesis. Science Signaling, 2016, 9, ra41.	3.6	108
32	Induction of GADD34 Is Necessary for dsRNA-Dependent Interferon-Î² Production and Participates in the Control of Chikungunya Virus Infection. PLoS Pathogens, 2012, 8, e1002708.	4.7	104
33	Distinct metabolic programs established in the thymus control effector functions of Î³Î´ T cell subsets in tumor microenvironments. Nature Immunology, 2021, 22, 179-192.	14.5	99
34	Polyploids require Bik1 for kinetochoreâ€“microtubule attachment. Journal of Cell Biology, 2001, 155, 1173-1184.	5.2	98
35	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, 3383-3388.	7.1	95
36	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, 1125-1134.	3.4	91

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37	MRF4 negatively regulates adult skeletal muscle growth by repressing MEF2 activity. Nature Communications, 2016, 7, 12397.	12.8	88
38	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, 6664-6669.	7.1	81
39	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-E50.	3.5	76
40	RNA Binding Targets Aminoacyl-tRNA Synthetases to Translating Ribosomes. Journal of Biological Chemistry, 2011, 286, 20688-20700.	3.4	71
41	GCN2 contributes to mTORC1 inhibition by leucine deprivation through an ATF4 independent mechanism. Scientific Reports, 2016, 6, 27698.	3.3	70
42	Regulation of translation is required for dendritic cell function and survival during activation. Journal of Cell Biology, 2007, 179, 1427-1439.	5.2	68
43	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-E193.	3.5	68
44	Integration of PKRâ€dependent translation inhibition with innate immunity is required for a coordinated antiâ€viral response. FEBS Letters, 2015, 589, 1539-1545.	2.8	68
45	At the crossway of <scp>ER</scp>â€stress and proinflammatory responses. FEBS Journal, 2019, 286, 297-310.	4.7	67
46	Purification and Analysis of Authentic CLIP-170 and Recombinant Fragments. Journal of Biological Chemistry, 1999, 274, 25883-25891.	3.4	65
47	Protein synthesis inhibition and GADD34 control IFNâ€Î² heterogeneous expression in response toÂdsRNA. EMBO Journal, 2017, 36, 761-782.	7.8	64
48	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, 3006-3011.	7.1	61
49	Autophagy inhibition promotes defective neosynthesized proteins storage in ALIS, and induces redirection toward proteasome processing and MHCI-restricted presentation. Autophagy, 2012, 8, 350-363.	9.1	59
50	RUN and FYVE domainâ€“containing protein 4 enhances autophagy and lysosome tethering in response to Interleukin-4. Journal of Cell Biology, 2015, 210, 1133-1152.	5.2	58
51	Autophagy and MHC-restricted antigen presentation. Molecular Immunology, 2018, 99, 163-170.	2.2	56
52	Modifying chemotherapy response by targeted inhibition of eukaryotic initiation factor 4A. Blood Cancer Journal, 2013, 3, e128-e128.	6.2	52
53	BAD-LAMP controls TLR9 trafficking and signalling in human plasmacytoid dendritic cells. Nature Communications, 2017, 8, 913.	12.8	52
54	Ribosomal protein mRNAs are translationally-regulated during human dendritic cells activation by LPS. Immunome Research, 2009, 5, 5.	0.1	49

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55	Dendritic cells, DRiPs, and DALIS in the control of antigen processing. Immunological Reviews, 2005, 207, 184-190.	6.0	48
56	Discovery of a new family of bis-8-hydroxyquinoline substituted benzylamines with pro-apoptotic activity in cancer cells: Synthesis, structureâ€“activity relationship, and action mechanism studies. European Journal of Medicinal Chemistry, 2009, 44, 558-567.	5.5	46
57	Molecular dissection of plasmacytoid dendritic cell activation inÂvivo during a viral infection. EMBO Journal, 2018, 37, .	7.8	45
58	Synthesis of new 3-alkoxy-7-amino-4-chloro-isocoumarin derivatives as new Î²-amyloid peptide production inhibitors and their activities on various classes of protease. Bioorganic and Medicinal Chemistry, 2003, 11, 3141-3152.	3.0	44
59	Lonely MHC molecules seeking immunogenic peptides for meaningful relationships. Current Opinion in Cell Biology, 1995, 7, 564-572.	5.4	43
60	Cystatin F is secreted, but artificial modification of its C-terminus can induce its endocytic targeting. Experimental Cell Research, 2004, 297, 607-618.	2.6	42
61	International Executives, Identity Strategies and Mobility in France and China. Asia Pacific Business Review, 2006, 12, 53-76.	2.9	42
62	Understanding the cell biology of antigen presentation: the dendritic cell contribution. Current Opinion in Cell Biology, 2003, 15, 468-473.	5.4	39
63	Exploring the mechanisms of antigen processing by cell fractionation. Current Opinion in Immunology, 1998, 10, 145-153.	5.5	37
64	LAMP5 Fine-Tunes GABAergic Synaptic Transmission in Defined Circuits of the Mouse Brain. PLoS ONE, 2016, 11, e0157052.	2.5	36
65	NAD(P)H Quinone-Oxydoreductase 1 Protects Eukaryotic Translation Initiation Factor 4GI from Degradation by the Proteasome. Molecular and Cellular Biology, 2010, 30, 1097-1105.	2.3	34
66	SunRiSE: measuring translation elongation at single cell resolution by flow cytometry. Journal of Cell Science, 2018, 131, .	2.0	32
67	MARCH9â€mediated ubiquitination regulates MHC I export from the TGN. Immunology and Cell Biology, 2017, 95, 753-764.	2.3	31
68	Systems biology of infectious diseases: a focus on fungal infections. Immunobiology, 2011, 216, 1212-1227.	1.9	30
69	BAD-LAMP is a novel biomarker of nonactivated human plasmacytoid dendritic cells. Blood, 2011, 118, 609-617.	1.4	30
70	The endosomal proteome of macrophage and dendritic cells. Proteomics, 2011, 11, 854-864.	2.2	30
71	Multiple components of eIF4F are required for protein synthesis-dependent hippocampal long-term potentiation. Journal of Neurophysiology, 2013, 109, 68-76.	1.8	30
72	Invariant Chain Controls H2-M Proteolysis in Mouse Splenocytes and Dendritic Cells. Journal of Experimental Medicine, 2000, 191, 1057-1062.	8.5	29

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73	BAD-LAMP defines a subset of early endocytic organelles in subpopulations of cortical projection neurons. Journal of Cell Science, 2007, 120, 353-365.	2.0	29
74	DC-ATLAS: a systems biology resource to dissect receptor specific signal transduction in dendritic cells. Immunome Research, 2010, 6, 10.	0.1	23
75	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.	7.1	23
76	Most Human Proteins Made in Both Nucleus and Cytoplasm Turn Over within Minutes. PLoS ONE, 2014, 9, e99346.	2.5	23
77	Skeletal Muscle Cells Express ICAM-1 after Muscle Overload and ICAM-1 Contributes to the Ensuing Hypertrophic Response. PLoS ONE, 2013, 8, e58486.	2.5	22
78	TRNA mutations that affect decoding fidelity deregulate development and the proteostasis network in zebrafish. RNA Biology, 2014, 11, 1199-1213.	3.1	20
79	Regulation of protein synthesis and autophagy in activated dendritic cells: implications for antigen processing and presentation. Immunological Reviews, 2016, 272, 28-38.	6.0	20
80	In vivo imaging of the spatiotemporal activity of the eIF2Î±-ATF4 signaling pathway: Insights into stress and related disorders. Science Signaling, 2015, 8, rs5.	3.6	18
81	RUFY4: Immunity piggybacking on autophagy?. Autophagy, 2016, 12, 598-600.	9.1	18
82	Immunity and the regulation of protein synthesis: surprising connections. Current Opinion in Immunology, 2009, 21, 70-77.	5.5	17
83	The RUFYs, a Family of Effector Proteins Involved in Intracellular Trafficking and Cytoskeleton Dynamics. Frontiers in Cell and Developmental Biology, 2020, 8, 779.	3.7	16
84	Intercellular adhesion molecule-1 expression by skeletal muscle cells augments myogenesis. Experimental Cell Research, 2015, 331, 292-308.	2.6	15
85	Guanabenz Prevents d-Galactosamine/Lipopolysaccharide-Induced Liver Damage and Mortality. Frontiers in Immunology, 2017, 8, 679.	4.8	15
86	Guanabenz inhibits TLR9 signaling through a pathway that is independent of eIF2Î± dephosphorylation by the GADD34/PP1c complex. Science Signaling, 2018, 11, .	3.6	15
87	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.	7.1	15
88	Cannabinoid receptor 1 and acute resistance exercise â€“ In vivo and in vitro studies in human skeletal muscle. Peptides, 2015, 67, 55-63.	2.4	13
89	Unfolded protein response gene GADD34 is overexpressed in rheumatoid arthritis and related to the presence of circulating anti-citrullinated protein antibodies. Autoimmunity, 2016, 49, 172-178.	2.6	13
90	Protein synthesis regulation, a pillar of strength for innate immunity?. Current Opinion in Immunology, 2015, 32, 28-35.	5.5	12

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91	Detection of a Subset of Posttranscriptional Transfer RNA Modificationsin Vivowith a Restriction Fragment Length Polymorphism-Based Method. Biochemistry, 2017, 56, 4029-4038.	2.5	12
92	Zdhhc2 Is Essential for Plasmacytoid Dendritic Cells Mediated Inflammatory Response in Psoriasis. Frontiers in Immunology, 2020, 11, 607442.	4.8	12
93	Integrating stress responses and immunity. Science, 2019, 365, 28-29.	12.6	11
94	Voronto: mapper for expression data to ontologies. Bioinformatics, 2012, 28, 2281-2282.	4.1	10
95	LAMP-5 is an essential inflammatory-signaling regulator and novel immunotherapy target for mixed lineage leukemia-rearranged acute leukemia. Haematologica, 2022, 107, 803-815.	3.5	9
96	Proteostasis in dendritic cells is controlled by the PERK signaling axis independently of ATF4. Life Science Alliance, 2021, 4, e202000865.	2.8	9
97	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, 3116-3127.	2.6	7
98	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.	2.9	6
99	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.	5.8	4
100	Genetic Modification of Murine Dendritic Cells by RNA Transfection. Methods in Molecular Biology, 2009, 531, 145-156.	0.9	3
101	RUFY4 exists as two translationally regulated isoforms, that localize to the mitochondrion in activated macrophages. Royal Society Open Science, 2021, 8, 202333.	2.4	3
102	Are p53 inhibitors potentially useful therapeutics?. Drug Development Research, 2005, 65, 43-49.	2.9	2
103	Purification and Characterization of MHC Class II Containing Organelles in Mouse Bone-Marrow-Derived Dendritic Cells. , 2001, 64, 413-422.		1
104	Loss of translation: a stealth weapon against pathogens?. Nature Immunology, 2013, 14, 1203-1205.	14.5	1
105	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, 13639.	3.4	1
106	299â€...Immuno-metabolic signatures of dendritic cells associate with T-cell responses in melanoma patients. , 2020, , .		1
107	Microbial detection controls defective ribosomal proteins degradation by autophagy and subsequent endogenous MHC II-restricted presentation in dendritic cells. Molecular Immunology, 2012, 51, 27-28.	2.2	0
108	Blocking of myostatin and activins increase muscle protein synthesis and mTORC1 signaling but decreases capillary density. FASEB Journal, 2012, 26, 1075.2.	0.5	0

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109	The Role of LAMP5 in Innate Immune Signaling Is Critical for the Survival of MLL Leukemias. Blood, 2018, 132, 3900-3900.	1.4	0