

Philippe Pierre

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

19,120
citations

36203

51
h-index

29081

104
g-index

111
all docs

111
docs citations

111
times ranked

34777
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	SUnSET, a nonradioactive method to monitor protein synthesis. <i>Nature Methods</i> , 2009, 6, 275-277.	9.0	1,297
4	Developmental regulation of MHC class II transport in mouse dendritic cells. <i>Nature</i> , 1997, 388, 787-792.	13.7	707
5	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, 2735-2740.	3.3	672
6	Suppression of eIF2 γ kinases alleviates Alzheimer's disease-related plasticity and memory deficits. <i>Nature Neuroscience</i> , 2013, 16, 1299-1305.	7.1	486
7	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.	13.9	472
8	PLEKHM1 Regulates Autophagosome-Lysosome Fusion through HOPS Complex and LC3/GABARAP Proteins. <i>Molecular Cell</i> , 2015, 57, 39-54.	4.5	448
9	Novel insights into the regulation of skeletal muscle protein synthesis as revealed by a new nonradioactive <i>in vivo</i> technique. <i>FASEB Journal</i> , 2011, 25, 1028-1039.	0.2	389
10	Developmental Regulation of Invariant Chain Proteolysis Controls MHC Class II Trafficking in Mouse Dendritic Cells. <i>Cell</i> , 1998, 93, 1135-1145.	13.5	361
11	CLIP-170 links endocytic vesicles to microtubules. <i>Cell</i> , 1992, 70, 887-900.	13.5	357
12	Exaggerated translation causes synaptic and behavioural aberrations associated with autism. <i>Nature</i> , 2013, 493, 411-415.	13.7	317
13	Genetic Removal of p70 S6 Kinase 1 Corrects Molecular, Synaptic, and Behavioral Phenotypes in Fragile X Syndrome Mice. <i>Neuron</i> , 2012, 76, 325-337.	3.8	280
14	Nuclear translation visualized by ribosome-bound nascent chain puromycylation. <i>Journal of Cell Biology</i> , 2012, 197, 45-57.	2.3	255
15	Brucella Control of Dendritic Cell Maturation Is Dependent on the TIR-Containing Protein Btp1. <i>PLoS Pathogens</i> , 2008, 4, e21.	2.1	253
16	Antigen capture, processing, and presentation by dendritic cells: recent cell biological studies. <i>Human Immunology</i> , 1999, 60, 562-567.	1.2	223
17	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, 3491-3496.	3.3	214
18	SCENITH: A Flow Cytometry-Based Method to Functionally Profile Energy Metabolism with Single-Cell Resolution. <i>Cell Metabolism</i> , 2020, 32, 1063-1075.e7.	7.2	189

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19	Transient aggregation of ubiquitinated proteins during dendritic cell maturation. <i>Nature</i> , 2002, 417, 177-182.	13.7	178
20	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 C ₂ C ₁₂ skeletal myotubes. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 2137-2146.	1.5	142
21	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, 667-675.	2.3	139
22	Progressively impaired proteasomal capacity during terminal plasma cell differentiation. <i>EMBO Journal</i> , 2006, 25, 1104-1113.	3.5	139
23	Brain-Specific Disruption of the eIF2 [±] Kinase PERK Decreases ATF4 Expression and Impairs Behavioral Flexibility. <i>Cell Reports</i> , 2012, 1, 676-688.	2.9	126
24	Species-specific impact of the autophagy machinery on Chikungunya virus infection. <i>EMBO Reports</i> , 2013, 14, 534-544.	2.0	121
25	HLA-DM Is Localized to Conventional and Unconventional MHC Class II-Containing Endocytic Compartments. <i>Immunity</i> , 1996, 4, 229-239.	6.6	118
26	Chikungunya Virus Induces IPS-1-Dependent Innate Immune Activation and Protein Kinase R-Independent Translational Shutoff. <i>Journal of Virology</i> , 2011, 85, 606-620.	1.5	113
27	Mapping the crossroads of immune activation and cellular stress response pathways. <i>EMBO Journal</i> , 2013, 32, 1214-1224.	3.5	113
28	Large G3BP-induced granules trigger eIF2 [±] phosphorylation. <i>Molecular Biology of the Cell</i> , 2012, 23, 3499-3510.	0.9	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. <i>Journal of Neuroscience</i> , 2012, 32, 8127-8137.	1.7	111
30	BtpB, a novel Brucella TIR-containing effector protein with immune modulatory functions. <i>Frontiers in Cellular and Infection Microbiology</i> , 2013, 3, 28.	1.8	110
31	Sleep deprivation impairs memory by attenuating mTORC1-dependent protein synthesis. <i>Science Signaling</i> , 2016, 9, ra41.	1.6	108
32	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.	2.1	104
33	Distinct metabolic programs established in the thymus control effector functions of $\gamma\delta$ T cell subsets in tumor microenvironments. <i>Nature Immunology</i> , 2021, 22, 179-192.	7.0	99
34	Polyploids require Btk1 for kinetochore-microtubule attachment. <i>Journal of Cell Biology</i> , 2001, 155, 1173-1184.	2.3	98
35	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, 3383-3388.	3.3	95
36	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, 1125-1134.	1.6	91

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37	MRF4 negatively regulates adult skeletal muscle growth by repressing MEF2 activity. <i>Nature Communications</i> , 2016, 7, 12397.	5.8	88
38	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, 6664-6669.	3.3	81
39	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-E50.	1.8	76
40	RNA Binding Targets Aminoacyl-tRNA Synthetases to Translating Ribosomes. <i>Journal of Biological Chemistry</i> , 2011, 286, 20688-20700.	1.6	71
41	GCN2 contributes to mTORC1 inhibition by leucine deprivation through an ATF4 independent mechanism. <i>Scientific Reports</i> , 2016, 6, 27698.	1.6	70
42	Regulation of translation is required for dendritic cell function and survival during activation. <i>Journal of Cell Biology</i> , 2007, 179, 1427-1439.	2.3	68
43	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-E193.	1.8	68
44	Integration of PKR-dependent translation inhibition with innate immunity is required for a coordinated anti-viral response. <i>FEBS Letters</i> , 2015, 589, 1539-1545.	1.3	68
45	At the crossway of stress and proinflammatory responses. <i>FEBS Journal</i> , 2019, 286, 297-310.	2.2	67
46	Purification and Analysis of Authentic CLIP-170 and Recombinant Fragments. <i>Journal of Biological Chemistry</i> , 1999, 274, 25883-25891.	1.6	65
47	Protein synthesis inhibition and GADD34 control IFN β heterogeneous expression in response to Ad β sRNA. <i>EMBO Journal</i> , 2017, 36, 761-782.	3.5	64
48	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, 3006-3011.	3.3	61
49	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, 350-363.	4.3	59
50	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, 1133-1152.	2.3	58
51	Autophagy and MHC-restricted antigen presentation. <i>Molecular Immunology</i> , 2018, 99, 163-170.	1.0	56
52	Modifying chemotherapy response by targeted inhibition of eukaryotic initiation factor 4A. <i>Blood Cancer Journal</i> , 2013, 3, e128-e128.	2.8	52
53	BAD-LAMP controls TLR9 trafficking and signalling in human plasmacytoid dendritic cells. <i>Nature Communications</i> , 2017, 8, 913.	5.8	52
54	Ribosomal protein mRNAs are translationally-regulated during human dendritic cells activation by LPS. <i>Immunome Research</i> , 2009, 5, 5.	0.1	49

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55	Dendritic cells, DRIPs, and DALIS in the control of antigen processing. <i>Immunological Reviews</i> , 2005, 207, 184-190.	2.8	48
56	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, 558-567.	2.6	46
57	Molecular dissection of plasmacytoid dendritic cell activation <i>in vivo</i> during a viral infection. <i>EMBO Journal</i> , 2018, 37, .	3.5	45
58	Synthesis of new 3-alkoxy-7-amino-4-chloro-isocoumarin derivatives as new β -amyloid peptide production inhibitors and their activities on various classes of protease. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 3141-3152.	1.4	44
59	Lonely MHC molecules seeking immunogenic peptides for meaningful relationships. <i>Current Opinion in Cell Biology</i> , 1995, 7, 564-572.	2.6	43
60	Cystatin F is secreted, but artificial modification of its C-terminus can induce its endocytic targeting. <i>Experimental Cell Research</i> , 2004, 297, 607-618.	1.2	42
61	International Executives, Identity Strategies and Mobility in France and China. <i>Asia Pacific Business Review</i> , 2006, 12, 53-76.	2.0	42
62	Understanding the cell biology of antigen presentation: the dendritic cell contribution. <i>Current Opinion in Cell Biology</i> , 2003, 15, 468-473.	2.6	39
63	Exploring the mechanisms of antigen processing by cell fractionation. <i>Current Opinion in Immunology</i> , 1998, 10, 145-153.	2.4	37
64	LAMP5 Fine-Tunes GABAergic Synaptic Transmission in Defined Circuits of the Mouse Brain. <i>PLoS ONE</i> , 2016, 11, e0157052.	1.1	36
65	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, 1097-1105.	1.1	34
66	SunRISE: measuring translation elongation at single cell resolution by flow cytometry. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	32
67	MARCH9-mediated ubiquitination regulates MHC I export from the TGN. <i>Immunology and Cell Biology</i> , 2017, 95, 753-764.	1.0	31
68	Systems biology of infectious diseases: a focus on fungal infections. <i>Immunobiology</i> , 2011, 216, 1212-1227.	0.8	30
69	BAD-LAMP is a novel biomarker of nonactivated human plasmacytoid dendritic cells. <i>Blood</i> , 2011, 118, 609-617.	0.6	30
70	The endosomal proteome of macrophage and dendritic cells. <i>Proteomics</i> , 2011, 11, 854-864.	1.3	30
71	Multiple components of eIF4F are required for protein synthesis-dependent hippocampal long-term potentiation. <i>Journal of Neurophysiology</i> , 2013, 109, 68-76.	0.9	30
72	Invariant Chain Controls H2-M Proteolysis in Mouse Splenocytes and Dendritic Cells. <i>Journal of Experimental Medicine</i> , 2000, 191, 1057-1062.	4.2	29

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73	BAD-LAMP defines a subset of early endocytic organelles in subpopulations of cortical projection neurons. <i>Journal of Cell Science</i> , 2007, 120, 353-365.	1.2	29
74	DC-ATLAS: a systems biology resource to dissect receptor specific signal transduction in dendritic cells. <i>Immunome Research</i> , 2010, 6, 10.	0.1	23
75	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.	3.3	23
76	Most Human Proteins Made in Both Nucleus and Cytoplasm Turn Over within Minutes. <i>PLoS ONE</i> , 2014, 9, e99346.	1.1	23
77	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.	1.1	22
78	TRNA mutations that affect decoding fidelity deregulate development and the proteostasis network in zebrafish. <i>RNA Biology</i> , 2014, 11, 1199-1213.	1.5	20
79	Regulation of protein synthesis and autophagy in activated dendritic cells: implications for antigen processing and presentation. <i>Immunological Reviews</i> , 2016, 272, 28-38.	2.8	20
80	In vivo imaging of the spatiotemporal activity of the eIF2 γ -ATF4 signaling pathway: Insights into stress and related disorders. <i>Science Signaling</i> , 2015, 8, rs5.	1.6	18
81	RUFY4: Immunity piggybacking on autophagy?. <i>Autophagy</i> , 2016, 12, 598-600.	4.3	18
82	Immunity and the regulation of protein synthesis: surprising connections. <i>Current Opinion in Immunology</i> , 2009, 21, 70-77.	2.4	17
83	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.	1.8	16
84	Intercellular adhesion molecule-1 expression by skeletal muscle cells augments myogenesis. <i>Experimental Cell Research</i> , 2015, 331, 292-308.	1.2	15
85	Guanabenz Prevents d-Galactosamine/Lipopolysaccharide-Induced Liver Damage and Mortality. <i>Frontiers in Immunology</i> , 2017, 8, 679.	2.2	15
86	Guanabenz inhibits TLR9 signaling through a pathway that is independent of eIF2 γ dephosphorylation by the GADD34/PP1c complex. <i>Science Signaling</i> , 2018, 11, .	1.6	15
87	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.	3.3	15
88	Cannabinoid receptor 1 and acute resistance exercise “ In vivo and in vitro studies in human skeletal muscle. <i>Peptides</i> , 2015, 67, 55-63.	1.2	13
89	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, 172-178.	1.2	13
90	Protein synthesis regulation, a pillar of strength for innate immunity?. <i>Current Opinion in Immunology</i> , 2015, 32, 28-35.	2.4	12

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91	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.	1.2	12
92	Zdhhc2 Is Essential for Plasmacytoid Dendritic Cells Mediated Inflammatory Response in Psoriasis. <i>Frontiers in Immunology</i> , 2020, 11, 607442.	2.2	12
93	Integrating stress responses and immunity. <i>Science</i> , 2019, 365, 28-29.	6.0	11
94	Voronto: mapper for expression data to ontologies. <i>Bioinformatics</i> , 2012, 28, 2281-2282.	1.8	10
95	LAMP-5 is an essential inflammatory-signaling regulator and novel immunotherapy target for mixed lineage leukemia-rearranged acute leukemia. <i>Haematologica</i> , 2022, 107, 803-815.	1.7	9
96	Proteostasis in dendritic cells is controlled by the PERK signaling axis independently of ATF4. <i>Life Science Alliance</i> , 2021, 4, e202000865.	1.3	9
97	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, 3116-3127.	1.2	7
98	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.	1.6	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. <i>Autoimmunity Reviews</i> , 2019, 18, 211-213.	2.5	4
100	Genetic Modification of Murine Dendritic Cells by RNA Transfection. <i>Methods in Molecular Biology</i> , 2009, 531, 145-156.	0.4	3
101	RUFY4 exists as two translationally regulated isoforms, that localize to the mitochondrion in activated macrophages. <i>Royal Society Open Science</i> , 2021, 8, 202333.	1.1	3
102	Are p53 inhibitors potentially useful therapeutics?. <i>Drug Development Research</i> , 2005, 65, 43-49.	1.4	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?. <i>Nature Immunology</i> , 2013, 14, 1203-1205.	7.0	1
105	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, 13639.	1.6	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. <i>Molecular Immunology</i> , 2012, 51, 27-28.	1.0	0
108	Blocking of myostatin and activins increase muscle protein synthesis and mTORC1 signaling but decreases capillary density. <i>FASEB Journal</i> , 2012, 26, 1075.2.	0.2	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.	0.6	0