

# Paolo Paganetti

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78  
papers

13,210  
citations

39  
h-index

87  
g-index

87  
ext. papers

14,520  
ext. citations

7.8  
avg, IF

5.05  
L-index

#	Paper	IF	Citations
78	The heat shock response, determined by QuantiGene multiplex, is impaired in HD mouse models and not caused by HSF1 reduction. <i>Scientific Reports</i> , <b>2021</b> , 11, 9117	4.9	2
77	Tau Seeds in Extracellular Vesicles Induce Tau Accumulation in Degradative Organelles of Cells. <i>DNA and Cell Biology</i> , <b>2021</b> , 40, 1185-1199	3.6	0
76	Tau affects P53 function and cell fate during the DNA damage response. <i>Communications Biology</i> , <b>2020</b> , 3, 245	6.7	18
75	Chloroquine, the Coronavirus Crisis, and Neurodegeneration: A Perspective. <i>Frontiers in Neurology</i> , <b>2020</b> , 11, 596528	4.1	1
74	Emerging Evidences for an Implication of the Neurodegeneration-Associated Protein TAU in Cancer. <i>Brain Sciences</i> , <b>2020</b> , 10,	3.4	6
73	Hijacking Endocytosis and Autophagy in Extracellular Vesicle Communication: Where the Inside Meets the Outside. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 595515	5.7	8
72	Protoporphyrin IX tracer fluorescence modulation for improved brain tumor cell lines visualization. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2019</b> , 201, 111640	6.7	8
71	ER-to-lysosome-associated degradation of proteasome-resistant ATZ polymers occurs via receptor-mediated vesicular transport. <i>EMBO Journal</i> , <b>2018</b> , 37,	13	81
70	Phosphorylation of nuclear Tau is modulated by distinct cellular pathways. <i>Scientific Reports</i> , <b>2018</b> , 8, 17702	4.9	15
69	Epithelial growth factor receptor expression influences 5-ALA induced glioblastoma fluorescence. <i>Journal of Neuro-Oncology</i> , <b>2017</b> , 133, 497-507	4.8	11
68	HSF1-dependent and -independent regulation of the mammalian in vivo heat shock response and its impairment in Huntington's disease mouse models. <i>Scientific Reports</i> , <b>2017</b> , 7, 12556	4.9	19
67	Split GFP technologies to structurally characterize and quantify functional biomolecular interactions of FTD-related proteins. <i>Scientific Reports</i> , <b>2017</b> , 7, 14013	4.9	19
66	Motifs in the tau protein that control binding to microtubules and aggregation determine pathological effects. <i>Scientific Reports</i> , <b>2017</b> , 7, 13556	4.9	28
65	Functional and dynamic polymerization of the ALS-linked protein TDP-43 antagonizes its pathologic aggregation. <i>Nature Communications</i> , <b>2017</b> , 8, 45	17.4	153
64	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
63	BACE-1 is expressed in the blood-brain barrier endothelium and is upregulated in a murine model of Alzheimer's disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2016</b> , 36, 1281-94	7.3	41
62	LBH589, A Hydroxamic Acid-Derived HDAC Inhibitor, is Neuroprotective in Mouse Models of Huntington's Disease. <i>Journal of Huntingtons Disease</i> , <b>2016</b> , 5, 347-355	1.9	15

61	Enkephalin and dynorphin neuropeptides are differently correlated with locomotor hypersensitivity and levodopa-induced dyskinesia in parkinsonian rats. <i>Experimental Neurology</i> , <b>2016</b> , 280, 80-8	5.7	15
60	Synthesis and structure-activity relationship of 2,6-disubstituted pyridine derivatives as inhibitors of Amyloid-42 aggregation. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2016</b> , 26, 3330-3335	2.9	12
59	Increased efflux of amyloid- $\beta$ peptides through the blood-brain barrier by muscarinic acetylcholine receptor inhibition reduces pathological phenotypes in mouse models of brain amyloidosis. <i>Journal of Alzheimer's Disease</i> , <b>2014</b> , 38, 767-86	4.3	11
58	Deciphering the role of tau in neurodegeneration using Adeno-Associated Viral (AAV) vectors to express human tau in the mouse forebrain. <i>Molecular Neurodegeneration</i> , <b>2013</b> , 8,	19	78
57	Human genome-guided identification of memory-modulating drugs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, E4369-74	11.5	18
56	Transgenic expression of $\beta$ antibody in brain neurons impairs age-dependent amyloid deposition in APP23 mice. <i>Neurobiology of Aging</i> , <b>2013</b> , 34, 2866-78	5.6	4
55	Atg4b-dependent autophagic flux alleviates Huntington's disease progression. <i>PLoS ONE</i> , <b>2013</b> , 8, e68357	5.7	23
54	Neuronal aggregates are associated with phenotypic onset in the R6/2 Huntington's disease transgenic mouse. <i>Behavioural Brain Research</i> , <b>2012</b> , 229, 308-19	3.4	10
53	A screen for enhancers of clearance identifies huntingtin as a heat shock protein 90 (Hsp90) client protein. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 1406-14	5.4	72
52	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , <b>2012</b> , 8, 445-544.2	4.2	2783
51	TR-FRET-based duplex immunoassay reveals an inverse correlation of soluble and aggregated mutant huntingtin in huntington's disease. <i>Chemistry and Biology</i> , <b>2012</b> , 19, 264-75		58
50	Discovery and structure activity relationship of small molecule inhibitors of toxic Amyloid-42 fibril formation. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 34786-800	5.4	44
49	Suppression of protein aggregation by chaperone modification of high molecular weight complexes. <i>Brain</i> , <b>2012</b> , 135, 1180-96	11.2	85
48	Hdac6 knock-out increases tubulin acetylation but does not modify disease progression in the R6/2 mouse model of Huntington's disease. <i>PLoS ONE</i> , <b>2011</b> , 6, e20696	3.7	77
47	Induction of autophagy with catalytic mTOR inhibitors reduces huntingtin aggregates in a neuronal cell model. <i>Journal of Neurochemistry</i> , <b>2011</b> , 119, 398-407	6	72
46	Microtiter plate quantification of mutant and wild-type huntingtin normalized to cell count. <i>Analytical Biochemistry</i> , <b>2011</b> , 410, 304-6	3.1	13
45	Altered chromatin architecture underlies progressive impairment of the heat shock response in mouse models of Huntington disease. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 3306-19	15.9	130
44	Perturbation with intrabodies reveals that calpain cleavage is required for degradation of huntingtin exon 1. <i>PLoS ONE</i> , <b>2011</b> , 6, e16676	3.7	25

43	beta-Secretase cleavage is not required for generation of the intracellular C-terminal domain of the amyloid precursor family of proteins. <i>FEBS Journal</i> , <b>2010</b> , 277, 1503-18	5.7	21
42	Full-length huntingtin levels modulate body weight by influencing insulin-like growth factor 1 expression. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 1528-38	5.6	79
41	Identical oligomeric and fibrillar structures captured from the brains of R6/2 and knock-in mouse models of Huntington's disease. <i>Human Molecular Genetics</i> , <b>2010</b> , 19, 65-78	5.6	151
40	Proteolysis of mutant huntingtin produces an exon 1 fragment that accumulates as an aggregated protein in neuronal nuclei in Huntington disease. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 8808-23	5.4	219
39	Rapid cerebral amyloid binding by A $\beta$ antibodies infused into E $\beta$ amyloid precursor protein transgenic mice. <i>Biological Psychiatry</i> , <b>2010</b> , 68, 971-4	7.9	11
38	Macrocyclic BACE-1 inhibitors acutely reduce A $\beta$ in brain after po application. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 603-7	2.9	49
37	The mTOR kinase inhibitor Everolimus decreases S6 kinase phosphorylation but fails to reduce mutant huntingtin levels in brain and is not neuroprotective in the R6/2 mouse model of Huntington's disease. <i>Molecular Neurodegeneration</i> , <b>2010</b> , 5, 26	19	72
36	Huntingtin cleavage product A forms in neurons and is reduced by gamma-secretase inhibitors. <i>Molecular Neurodegeneration</i> , <b>2010</b> , 5, 58	19	15
35	Optimization of an HTRF Assay for the Detection of Soluble Mutant Huntingtin in Human Buffy Coats: A Potential Biomarker in Blood for Huntington Disease. <i>PLOS Currents</i> , <b>2010</b> , 2, RRN1205		19
34	Development of a method for the high-throughput quantification of cellular proteins. <i>ChemBioChem</i> , <b>2009</b> , 10, 1678-88	3.8	20
33	Inducible mutant huntingtin expression in HN10 cells reproduces Huntington's disease-like neuronal dysfunction. <i>Molecular Neurodegeneration</i> , <b>2009</b> , 4, 11	19	24
32	Structure-based design and synthesis of macrocyclic peptidomimetic beta-secretase (BACE-1) inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 1361-5	2.9	34
31	Macrocyclic peptidomimetic beta-secretase (BACE-1) inhibitors with activity in vivo. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 1366-70	2.9	51
30	Single-step detection of mutant huntingtin in animal and human tissues: a bioassay for Huntington's disease. <i>Analytical Biochemistry</i> , <b>2009</b> , 395, 8-15	3.1	101
29	Acetylation targets mutant huntingtin to autophagosomes for degradation. <i>Cell</i> , <b>2009</b> , 137, 60-72	56.2	322
28	Splicing of intron 3 of human BACE requires the flanking introns 2 and 4. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 388, 434-8	3.4	1
27	Consequences of individual N-glycan deletions and of proteasomal inhibition on secretion of active BACE. <i>Molecular Biology of the Cell</i> , <b>2008</b> , 19, 4086-98	3.5	20
26	Sensitive biochemical aggregate detection reveals aggregation onset before symptom development in cellular and murine models of Huntington's disease. <i>Journal of Neurochemistry</i> , <b>2008</b> , 104, 846-58	6	88

25	BACE1 and mutated presenilin-1 differently modulate Abeta40 and Abeta42 levels and cerebral amyloidosis in APPDutch transgenic mice. <i>Neurodegenerative Diseases</i> , <b>2007</b> , 4, 127-35	2.3	18
24	Detection of a soluble form of BACE-1 in human cerebrospinal fluid by a sensitive activity assay. <i>Clinical Chemistry</i> , <b>2006</b> , 52, 1168-74	5.5	64
23	Exogenous induction of cerebral beta-amyloidogenesis is governed by agent and host. <i>Science</i> , <b>2006</b> , 313, 1781-4	33.3	749
22	EDEM1 regulates ER-associated degradation by accelerating de-mannosylation of folding-defective polypeptides and by inhibiting their covalent aggregation. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 349, 1278-84	3.4	134
21	beta-site specific intrabodies to decrease and prevent generation of Alzheimer's Abeta peptide. <i>Journal of Cell Biology</i> , <b>2005</b> , 168, 863-8	7.3	92
20	Structure-based design, synthesis, and memapsin 2 (BACE) inhibitory activity of carbocyclic and heterocyclic peptidomimetics. <i>Journal of Medicinal Chemistry</i> , <b>2005</b> , 48, 5175-90	8.3	70
19	EDEM contributes to maintenance of protein folding efficiency and secretory capacity. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 44600-5	5.4	36
18	Yeast growth selection system for the identification of cell-active inhibitors of beta-secretase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2004</b> , 1674, 29-39	4	17
17	BACE (beta-secretase) modulates the processing of APLP2 in vivo. <i>Molecular and Cellular Neurosciences</i> , <b>2004</b> , 25, 642-9	4.8	103
16	Role of EDEM in the release of misfolded glycoproteins from the calnexin cycle. <i>Science</i> , <b>2003</b> , 299, 1397-400	33.9	391
15	Targeting presenilin-type aspartic protease signal peptide peptidase with gamma-secretase inhibitors. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 16528-33	5.4	109
14	Expression of human beta-secretase in the mouse brain increases the steady-state level of beta-amyloid. <i>Journal of Neurochemistry</i> , <b>2002</b> , 80, 799-806	6	108
13	The disulphide bonds in the catalytic domain of BACE are critical but not essential for amyloid precursor protein processing activity. <i>Journal of Neurochemistry</i> , <b>2002</b> , 80, 1079-88	6	26
12	Sequential assistance of molecular chaperones and transient formation of covalent complexes during protein degradation from the ER. <i>Journal of Cell Biology</i> , <b>2002</b> , 158, 247-57	7.3	186
11	A splice variant of beta-secretase deficient in the amyloidogenic processing of the amyloid precursor protein. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 12019-23	5.4	60
10	Amyloid beta interacts with the amyloid precursor protein: a potential toxic mechanism in Alzheimer's disease. <i>Nature Neuroscience</i> , <b>2000</b> , 3, 460-4	25.5	226
9	Membrane-type 1 matrix metalloprotease (MT1-MMP) enables invasive migration of glioma cells in central nervous system white matter. <i>Journal of Cell Biology</i> , <b>1999</b> , 144, 373-84	7.3	203
8	Two amyloid precursor protein transgenic mouse models with Alzheimer disease-like pathology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 13287-92	11.5	1213

7	Distinct processing of endogenous and overexpressed recombinant presenilin 1. <i>Neurobiology of Aging</i> , <b>1997</b> , 18, 181-9	5.6	16
6	Effect of alkalizing agents on the processing of the beta-amyloid precursor protein. <i>Brain Research</i> , <b>1996</b> , 716, 91-100	3.7	67
5	The carboxyl termini of beta-amyloid peptides 1-40 and 1-42 are generated by distinct gamma-secretase activities. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 28655-9	5.4	135
4	Intracellular accumulation of beta-amyloid in cells expressing the Swedish mutant amyloid precursor protein. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 26727-30	5.4	67
3	Proteolytic processing of the Aplysia A peptide precursor in AtT-20 cells. <i>Brain Research</i> , <b>1994</b> , 633, 53-63.7		11
2	Heterogeneous distribution of calmodulin- and cAMP-dependent regulation of Ca <sup>2+</sup> uptake in cardiac sarcoplasmic reticulum subfractions. <i>FEBS Journal</i> , <b>1988</b> , 176, 535-41		15
1	Extracellular Vesicles Hijack the Autophagic Pathway to Induce Tau Accumulation in Endolysosomes		3