Angelo Poletti

List of Publications by Year in Descending Order

130 papers	12,141 citations	47 h-index	109 g-index
143 ext. papers	13,731 ext. citations	5.9 avg, IF	5.42 L-index

#	Paper	IF	Citations
130	Valosin Containing Protein (VCP): A Multistep Regulator of Autophagy.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	3
129	Pathogenic variants of Valosin Containing Protein induce lysosomal damage and transcriptional activation of autophagy regulators in neuronal cells.. *Neuropathology and Applied Neurobiology*, **2022**, e12818	5.2	0
128	C9orf72 ALS/FTD dipeptide repeat protein levels are reduced by small molecules that inhibit PKA or enhance protein degradation. *EMBO Journal*, **2021**, e105026	13	0
127	Multilayer and MATR3-dependent regulation of mRNAs maintains pluripotency in human induced pluripotent stem cells. *IScience*, **2021**, 24, 102197	6.1	3
126	Retinoic Acid Downregulates HSPB8 Gene Expression in Human Breast Cancer Cells MCF-7. *Frontiers in Oncology*, **2021**, 11, 652085	5.3	1
125	Dysregulation of Muscle-Specific MicroRNAs as Common Pathogenic Feature Associated with Muscle Atrophy in ALS, SMA and SBMA: Evidence from Animal Models and Human Patients. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
124	The Role of HSPB8, a Component of the Chaperone-Assisted Selective Autophagy Machinery, in Cancer. *Cells*, **2021**, 10,	7.9	13
123	Enhanced Clearance of Neurotoxic Misfolded Proteins by the Natural Compound Berberine and Its Derivatives. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
122	BAG3 Pro209 mutants associated with myopathy and neuropathy relocate chaperones of the CASA-complex to aggresomes. *Scientific Reports*, **2020**, 10, 8755	4.9	17
121	Multiple Roles of Transforming Growth Factor Beta in Amyotrophic Lateral Sclerosis. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	9
120	Autophagy in neurodegeneration: New insights underpinning therapy for neurological diseases. *Journal of Neurochemistry*, **2020**, 154, 354-371	6	40
119	Combinatorial treatment for spinal muscular atrophy: An Editorial for SCombined treatment with the histone deacetylase inhibitor LBH589 and a splice-switch antisense oligonucleotide enhances SMN2 splicing and SMN expression in Spinal Muscular Atrophy cellsSon page 264. *Journal of Neurochemistry*, **2020**, 153, 146-149	6	6
118	HSC70 expression is reduced in lymphomonocytes of sporadic ALS patients and contributes to TDP-43 accumulation. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, **2020**, 21, 51-62	3.6	16
117	A Crucial Role for the Protein Quality Control System in Motor Neuron Diseases. *Frontiers in Aging Neuroscience*, **2020**, 12, 191	5.3	6
116	The Role of Sex and Sex Hormones in Neurodegenerative Diseases. *Endocrine Reviews*, **2020**, 41,	27.2	41
115	Autophagic and Proteasomal Mediated Removal of Mutant Androgen Receptor in Muscle Models of Spinal and Bulbar Muscular Atrophy. *Frontiers in Endocrinology*, **2019**, 10, 569	5.7	14
114	Nuclear Phospho-SOD1 Protects DNA from Oxidative Stress Damage in Amyotrophic Lateral Sclerosis. *Journal of Clinical Medicine*, **2019**, 8,	5.1	13

113	Proteostasis and ALS: protocol for a phase II, randomised, double-blind, placebo-controlled, multicentre clinical trial for colchicine in ALS (Co-ALS). *BMJ Open*, **2019**, 9, e028486	3	26
112	FUS pathology in ALS is linked to alterations in multiple ALS-associated proteins and rescued by drugs stimulating autophagy. *Acta Neuropathologica*, **2019**, 138, 67-84	14.3	61
111	The Regulation of the Small Heat Shock Protein B8 in Misfolding Protein Diseases Causing Motoneuronal and Muscle Cell Death. *Frontiers in Neuroscience*, **2019**, 13, 796	5.1	12
110	Transforming growth factor beta 1 signaling is altered in the spinal cord and muscle of amyotrophic lateral sclerosis mice and patients. *Neurobiology of Aging*, **2019**, 82, 48-59	5.6	7
109	Trehalose induces autophagy via lysosomal-mediated TFEB activation in models of motoneuron degeneration. *Autophagy*, **2019**, 15, 631-651	10.2	143
108	Isogenic FUS-eGFP iPSC Reporter Lines Enable Quantification of FUS Stress Granule Pathology that Is Rescued by Drugs Inducing Autophagy. *Stem Cell Reports*, **2018**, 10, 375-389	8	64
107	The small heat shock protein B8 (HSPB8) efficiently removes aggregating species of dipeptides produced in C9ORF72-related neurodegenerative diseases. *Cell Stress and Chaperones*, **2018**, 23, 1-12	4	53
106	Pathological Proteins Are Transported by Extracellular Vesicles of Sporadic Amyotrophic Lateral Sclerosis Patients. *Frontiers in Neuroscience*, **2018**, 12, 487	5.1	60
105	Tdp-25 Routing to Autophagy and Proteasome Ameliorates its Aggregation in Amyotrophic Lateral Sclerosis Target Cells. *Scientific Reports*, **2018**, 8, 12390	4.9	29
104	Concurrent AFG3L2 and SPG7 mutations associated with syndromic parkinsonism and optic atrophy with aberrant OPA1 processing and mitochondrial network fragmentation. *Human Mutation*, **2018**, 39, 2060-2071	4.7	20
103	Dual role of autophagy on docetaxel-sensitivity in prostate cancer cells. *Cell Death and Disease*, **2018**, 9, 889	9.8	52
102	Inhibition of retrograde transport modulates misfolded protein accumulation and clearance in motoneuron diseases. *Autophagy*, **2017**, 13, 1280-1303	10.2	50
101	The growing world of small heat shock proteins: from structure to functions. *Cell Stress and Chaperones*, **2017**, 22, 601-611	4	101
100	Quantitative assessment of the degradation of aggregated TDP-43 mediated by the ubiquitin proteasome system and macroautophagy. *FASEB Journal*, **2017**, 31, 5609-5624	0.9	22
99	Functional interaction between FUS and SMN underlies SMA-like splicing changes in wild-type hFUS mice. *Scientific Reports*, **2017**, 7, 2033	4.9	16
98	The small heat shock protein B8 (HSPB8) modulates proliferation and migration of breast cancer cells. *Oncotarget*, **2017**, 8, 10400-10415	3.3	33
97	The Role of the Heat Shock Protein B8 (HSPB8) in Motoneuron Diseases. *Frontiers in Molecular Neuroscience*, **2017**, 10, 176	6.1	43
96	A Surveillance Function of the HSPB8-BAG3-HSP70 Chaperone Complex Ensures Stress Granule Integrity and Dynamism. *Molecular Cell*, **2016**, 63, 796-810	17.6	174

95	Loss-of-function mutations in the SIGMAR1 gene cause distal hereditary motor neuropathy by impairing ER-mitochondria tethering and Ca2+ signalling. *Human Molecular Genetics*, **2016**, 25, 3741-3753	5.6	69
94	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
93	The Role of the Protein Quality Control System in SBMA. *Journal of Molecular Neuroscience*, **2016**, 58, 348-64	3.3	25
92	Transcriptional induction of the heat shock protein B8 mediates the clearance of misfolded proteins responsible for motor neuron diseases. *Scientific Reports*, **2016**, 6, 22827	4.9	61
91	Estrogens, Neuroinflammation, and Neurodegeneration. *Endocrine Reviews*, **2016**, 37, 372-402	27.2	173
90	The chaperone HSPB8 reduces the accumulation of truncated TDP-43 species in cells and protects against TDP-43-mediated toxicity. *Human Molecular Genetics*, **2016**, 25, 3908-3924	5.6	59
89	Exome sequencing identifies variants in two genes encoding the LIM-proteins NRAP and FHL1 in an Italian patient with BAG3 myofibrillar myopathy. *Journal of Muscle Research and Cell Motility*, **2016**, 37, 101-15	3.5	17
88	Synergic prodegradative activity of Bicalutamide and trehalose on the mutant androgen receptor responsible for spinal and bulbar muscular atrophy. *Human Molecular Genetics*, **2015**, 24, 64-75	5.6	33
87	Role of HSPB8 in the Proteostasis Network: From Protein Synthesis to Protein Degradation and Beyond. *Heat Shock Proteins*, **2015**, 487-510	0.2	
86	Differences in protein quality control correlate with phenotype variability in 2 mouse models of familial amyotrophic lateral sclerosis. *Neurobiology of Aging*, **2015**, 36, 492-504	5.6	43
85	Aberrant Autophagic Response in The Muscle of A Knock-in Mouse Model of Spinal and Bulbar Muscular Atrophy. *Scientific Reports*, **2015**, 5, 15174	4.9	40
84	The role of dynein mediated transport in the clearance of misfolded proteins responsible for motoneuron diseases. *SpringerPlus*, **2015**, 4, L24		
83	The protein quality control system in motoneuron diseases. *SpringerPlus*, **2015**, 4, L55		
82	210th ENMC International Workshop: Research and clinical management of patients with spinal and bulbar muscular atrophy, 27-29 March, 2015, Naarden, The Netherlands. *Neuromuscular Disorders*, **2015**, 25, 802-12	2.9	12
81	Alteration of the protein quality control system in motor neuron and muscle expressing mutant proteins causing ALS and SBMA. *SpringerPlus*, **2015**, 4,		78
80	Modulators of estrogen receptor inhibit proliferation and migration of prostate cancer cells. *Pharmacological Research*, **2014**, 79, 13-20	10.2	34
79	ALS-related misfolded protein management in motor neurons and muscle cells. *Neurochemistry International*, **2014**, 79, 70-8	4.4	23
78	Androgens affect muscle, motor neuron, and survival in a mouse model of SOD1-related amyotrophic lateral sclerosis. *Neurobiology of Aging*, **2014**, 35, 1929-38	5.6	22

77	BAG3 induces the sequestration of proteasomal clients into cytoplasmic puncta: implications for a proteasome-to-autophagy switch. *Autophagy*, **2014**, 10, 1603-21	10.2	100
76	Inhibition of autophagy, lysosome and VCP function impairs stress granule assembly. *Cell Death and Differentiation*, **2014**, 21, 1838-51	12.7	91
75	Neuritin 1 promotes neuronal migration. *Brain Structure and Function*, **2014**, 219, 105-18	4	20
74	Human adipose-derived mesenchymal stem cells as a new model of spinal and bulbar muscular atrophy. *PLoS ONE*, **2014**, 9, e112746	3.7	13
73	Clearance of the mutant androgen receptor in motoneuronal models of spinal and bulbar muscular atrophy. *Neurobiology of Aging*, **2013**, 34, 2585-603	5.6	48
72	Motoneuronal and muscle-selective removal of ALS-related misfolded proteins. *Biochemical Society Transactions*, **2013**, 41, 1598-604	5.1	27
71	Different anti-aggregation and pro-degradative functions of the members of the mammalian sHSP family in neurological disorders. *Philosophical Transactions of the Royal Society B: Biological Sciences* , **2013**, 368, 20110409	5.8	61
70	Androgen receptor activation by polychlorinated biphenyls: epigenetic effects mediated by the histone demethylase Jarid1b. *Epigenetics*, **2013**, 8, 1061-8	5.7	44
69	Differential autophagy power in the spinal cord and muscle of transgenic ALS mice. *Frontiers in Cellular Neuroscience*, **2013**, 7, 234	6.1	42
68	CAG repeat length in androgen receptor gene is not associated with amyotrophic lateral sclerosis. *European Journal of Neurology*, **2012**, 19, 1373-5	6	7
67	Alteration of protein folding and degradation in motor neuron diseases: Implications and protective functions of small heat shock proteins. *Progress in Neurobiology*, **2012**, 97, 83-100	10.9	59
66	Dysfunction of constitutive and inducible ubiquitin-proteasome system in amyotrophic lateral sclerosis: implication for protein aggregation and immune response. *Progress in Neurobiology*, **2012**, 97, 101-26	10.9	108
65	The neurotoxicity of mutant proteins 20 years after the discovery of the first mutant gene involved in neurodegeneration. Foreword. *Progress in Neurobiology*, **2012**, 97, 53	10.9	4
64	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
63	The anabolic/androgenic steroid nandrolone exacerbates gene expression modifications induced by mutant SOD1 in muscles of mice models of amyotrophic lateral sclerosis. *Pharmacological Research*, **2012**, 65, 221-30	10.2	25
62	Dysregulation of axonal transport and motorneuron diseases. *Biology of the Cell*, **2011**, 103, 87-107	3.5	26
61	Muscle cells and motoneurons differentially remove mutant SOD1 causing familial amyotrophic lateral sclerosis. *Journal of Neurochemistry*, **2011**, 118, 266-80	6	46
60	17-AAG increases autophagic removal of mutant androgen receptor in spinal and bulbar muscular atrophy. *Neurobiology of Disease*, **2011**, 41, 83-95	7.5	54

59	The small heat shock protein B8 (HspB8) promotes autophagic removal of misfolded proteins involved in amyotrophic lateral sclerosis (ALS). *Human Molecular Genetics*, **2010**, 19, 3440-56	5.6	261
58	A role of small heat shock protein B8 (HspB8) in the autophagic removal of misfolded proteins responsible for neurodegenerative diseases. *Autophagy*, **2010**, 6, 958-60	10.2	83
57	Estrogen receptor beta and the progression of prostate cancer: role of 5alpha-androstane-3beta,17beta-diol. *Endocrine-Related Cancer*, **2010**, 17, 731-42	5.7	46
56	The androgen derivative 5alpha-androstane-3beta,17beta-diol inhibits tumor necrosis factor alpha and lipopolysaccharide induced inflammatory response in human endothelial cells and in mice aorta. *Atherosclerosis*, **2010**, 212, 100-6	3.1	33
55	Proteasomal and autophagic degradative activities in spinal and bulbar muscular atrophy. *Neurobiology of Disease*, **2010**, 40, 361-9	7.5	39
54	Post-translational modifications of expanded polyglutamine proteins: impact on neurotoxicity. *Human Molecular Genetics*, **2009**, 18, R40-7	5.6	60
53	Androgens inhibit androgen receptor promoter activation in motor neurons. *Neurobiology of Disease*, **2009**, 33, 395-404	7.5	20
52	A presynaptically toxic secreted phospholipase A2 is internalized into motoneuron-like cells where it is rapidly translocated into the cytosol. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2008**, 1783, 1129-39	4.9	34
51	The role of the polyglutamine tract in androgen receptor. *Journal of Steroid Biochemistry and Molecular Biology*, **2008**, 108, 245-53	5.1	95
50	Androgen regulation of axon growth and neurite extension in motoneurons. *Hormones and Behavior*, **2008**, 53, 716-28	3.7	44
49	Androgen regulates neuritin mRNA levels in an in vivo model of steroid-enhanced peripheral nerve regeneration. *Journal of Neurotrauma*, **2008**, 25, 561-6	5.4	43
48	Neuritin (cpg15) enhances the differentiating effect of NGF on neuronal PC12 cells. *Journal of Neuroscience Research*, **2007**, 85, 2702-13	4.4	29
47	Mutation of SOD1 in ALS: a gain of a loss of function. *Human Molecular Genetics*, **2007**, 16, 1604-18	5.6	130
46	Aggregation and proteasome: the case of elongated polyglutamine aggregation in spinal and bulbar muscular atrophy. *Neurobiology of Aging*, **2007**, 28, 1099-111	5.6	55
45	Dihydrotestosterone decreases tumor necrosis factor-alpha and lipopolysaccharide-induced inflammatory response in human endothelial cells. *Journal of Clinical Endocrinology and Metabolism*, **2006**, 91, 546-54	5.6	122
44	Lepidium meyenii (Maca) does not exert direct androgenic activities. *Journal of Ethnopharmacology*, **2006**, 104, 415-7	5	34
43	Tetracycline-regulated gene expression in the NSC-34-tTA cell line for investigation of motor neuron diseases. *Molecular Brain Research*, **2005**, 140, 63-72		11
42	Reflections on the diseases linked to mutations of the androgen receptor. *Endocrine*, **2005**, 28, 243-62		17

41	Androgen-induced neurite outgrowth is mediated by neuritin in motor neurones. *Journal of Neurochemistry*, **2005**, 92, 10-20	6	91
40	The androgen derivative 5alpha-androstane-3beta,17beta-diol inhibits prostate cancer cell migration through activation of the estrogen receptor beta subtype. *Cancer Research*, **2005**, 65, 5445-53	10.1	112
39	Long-term presence of androgens and anti-androgens modulate EGF-receptor expression and MAP-kinase phosphorylation in androgen receptor-prostate positive cancer cells **2004**, 25, 97		1
38	The polyglutamine tract of androgen receptor: from functions to dysfunctions in motor neurons. *Frontiers in Neuroendocrinology*, **2004**, 25, 1-26	8.9	86
37	Basic and clinical research on amyotrophic lateral sclerosis and other motor neuron disorders in Italy: recent findings and achievements from a network of laboratories. *Neurological Sciences*, **2004**, 25 Suppl 2, S41-60	3.5	14
36	Characterization of prostate cancer DU145 cells expressing the recombinant androgen receptor. *Oncology Research*, **2003**, 14, 101-12	4.8	18
35	Androgen 5-alpha-reductase type 2 is highly expressed and active in rat spinal cord motor neurones. *Journal of Neuroendocrinology*, **2003**, 15, 882-7	3.8	53
34	Androgen receptor with elongated polyglutamine tract forms aggregates that alter axonal trafficking and mitochondrial distribution in motor neuronal processes. *FASEB Journal*, **2002**, 16, 1418-20	9.9	103
33	5Alpha-reductase type 2 and androgen receptor expression in gonadotropin releasing hormone GT1-1 cells. *Journal of Neuroendocrinology*, **2001**, 13, 353-7	3.8	32
32	Expression and role of functional glucocorticoid receptors in the human androgen-independent prostate cancer cell line, DU145. *Journal of Molecular Endocrinology*, **2001**, 26, 185-91	4.5	21
31	Polyglutamine tract expansion of the androgen receptor in a motoneuronal model of spinal and bulbar muscular atrophy. *Brain Research Bulletin*, **2001**, 56, 215-20	3.9	31
30	5alpha-reductase isozymes and aromatase are differentially expressed and active in the androgen-independent human prostate cancer cell lines DU145 and PC3. *Prostate*, **1999**, 41, 224-32	4.2	35
29	Androgen-activating enzymes in the central nervous system. *Journal of Steroid Biochemistry and Molecular Biology*, **1999**, 69, 117-22	5.1	53
28	Searching for the ideal SERM. *Pharmacological Research*, **1999**, 39, 333	10.2	2
27	Aspects of Hormonal Steroid Metabolism in the Nervous System **1999**, 97-123		4
26	5-reductase isozymes and aromatase are differentially expressed and active in the androgen-independent human prostate cancer cell lines DU145 and PC3 **1999**, 41, 224		2
25	Presence of 5alpha-reductase isozymes and aromatase in human prostate cancer cells and in benign prostate hyperplastic tissue. *Prostate*, **1998**, 34, 283-91	4.2	54
24	The 5alpha-reductase in the central nervous system: expression and modes of control. *Journal of Steroid Biochemistry and Molecular Biology*, **1998**, 65, 295-9	5.1	111

23	5 alpha-reductase isozymes in the central nervous system. *Steroids*, **1998**, 63, 246-51	2.8	82
22	Effects and metabolism of steroid hormones in human neuroblastoma cells. *Steroids*, **1998**, 63, 257-62	2.8	11
21	Transient expression of the 5alpha-reductase type 2 isozyme in the rat brain in late fetal and early postnatal life. *Endocrinology*, **1998**, 139, 2171-8	4.8	96
20	Phosphorylation of human progesterone receptor by cyclin-dependent kinase 2 on three sites that are authentic basal phosphorylation sites in vivo. *Molecular Endocrinology*, **1997**, 11, 823-32		77
19	Identification of type 1 5alpha-reductase in myelin membranes of male and female rat brain. *Molecular and Cellular Endocrinology*, **1997**, 129, 181-90	4.4	54
18	Steroid metabolism in the mammalian brain: 5alpha-reduction and aromatization. *Brain Research Bulletin*, **1997**, 44, 365-75	3.9	100
17	Expression of androgen-activating enzymes in cultured cells of developing rat brain. *Journal of Neurochemistry*, **1997**, 68, 1298-303	6	37
16	Effect of suramin on the biological activity of the two isoforms of the rat 5 alpha-reductase. *Steroids*, **1996**, 61, 504-5	2.8	7
15	Characterization of rat 5alpha-reductases type 1 and type 2 expressed in Saccharomyces cerevisiae. *Biochemical Journal*, **1996**, 314 (Pt 3), 1047-52	3.8	22
14	Synthesis of a chemiluminescent probe useful for the purification of steroid 5□reductase. *Bioorganic and Medicinal Chemistry Letters*, **1996**, 6, 1997-2002	2.9	2
13	Luteinizing hormone-releasing hormone agonists interfere with the stimulatory actions of epidermal growth factor in human prostatic cancer cell lines, LNCaP and DU 145. *Journal of Clinical Endocrinology and Metabolism*, **1996**, 81, 3930-3937	5.6	49
12	Phosphorylation and progesterone receptor function. *Journal of Steroid Biochemistry and Molecular Biology*, **1995**, 53, 509-14	5.1	42
11	Phosphorylation and Progesterone Receptor Function **1994**, 309-332		1
10	Chicken progesterone receptor expressed in Saccharomyces cerevisiae is correctly phosphorylated at all four Ser-Pro phosphorylation sites. *Biochemistry*, **1993**, 32, 9563-9	3.2	22
9	A novel, highly regulated, rapidly inducible system for the expression of chicken progesterone receptor, cPRA, in Saccharomyces cerevisiae. *Gene*, **1992**, 114, 51-8	3.8	17
8	Testosterone metabolism in brain cells and membranes. *Journal of Steroid Biochemistry and Molecular Biology*, **1991**, 40, 673-8	5.1	47
7	Androgen metabolism in different target tissues. *Annals of the New York Academy of Sciences*, **1990**, 595, 184-98	6.5	10
6	Kinetic properties of the 5 alpha-reductase of testosterone in the purified myelin, in the subcortical white matter and in the cerebral cortex of the male rat brain. *The Journal of Steroid Biochemistry*, **1990**, 35, 97-101		17

5	Testosterone metabolism in peripheral nerves: presence of the 5 alpha-reductase-3 alpha-hydroxysteroid-dehydrogenase enzymatic system in the sciatic nerve of adult and aged rats. *The Journal of Steroid Biochemistry*, **1990**, 35, 145-8		39
4	5 alpha-reductase activity in isolated and cultured neuronal and glial cells of the rat. *Brain Research*, **1990**, 516, 229-36	3.7	70
3	Effect of postnatal starvation on the 5 alpha-reductase activity of the brain and of the isolated myelin membranes. *Experimental and Clinical Endocrinology and Diabetes*, **1989**, 94, 253-61	2.3	6
2	Testosterone 5 alpha-reductase activity in the rat brain is highly concentrated in white matter structures and in purified myelin sheaths of axons. *The Journal of Steroid Biochemistry*, **1988**, 31, 173-9		63
1	The 5 alpha-reductase activity of the subcortical white matter, the cerebral cortex, and the hypothalamus of the rat and of the mouse: possible sex differences and effect of castration. *Steroids*, **1987**, 49, 259-70	2.8	16