# Valeria Crippa

List of Publications by Year
in descending order



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|---|---|---|---|
| 53 papers | 7,688 citations | 147566 31 h-index | 174990 52 g-index |
| 54 all docs | 54 docs citations | 54 times ranked | 16267 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222. | 4.3 | 4,701 |
| 2 | The small heat shock protein B8 (HspB8) promotes autophagic removal of misfolded proteins involved in amyotrophic lateral sclerosis (ALS). Human Molecular Genetics, 2010, 19, 3440-3456. | 1.4 | 303 |
| 3 | Trehalose induces autophagy via lysosomal-mediated TFEB activation in models of motoneuron degeneration. Autophagy, 2019, 15, 631-651. | 4.3 | 256 |
| 4 | Mutation of SOD1 in ALS: a gain of a loss of function. Human Molecular Genetics, 2007, 16, 1604-1618. | 1.4 | 166 |
| 5 | Dysfunction of constitutive and inducible ubiquitin-proteasome system in amyotrophic lateral sclerosis: Implication for protein aggregation and immune response. Progress in Neurobiology, 2012, 97, 101-126. | 2.8 | 129 |
| 6 | The Role of Sex and Sex Hormones in Neurodegenerative Diseases. Endocrine Reviews, 2020, 41, 273-319. | 8.9 | 118 |
| 7 | The role of the polyglutamine tract in androgen receptor. Journal of Steroid Biochemistry and Molecular Biology, 2008, 108, 245-253. | 1.2 | 105 |
| 8 | A role of small heat shock protein B8 (HspB8) in the autophagic removal of misfolded proteins responsible for neurodegenerative diseases. Autophagy, 2010, 6, 958-960. | 4.3 | 97 |
| 9 | Pathological Proteins Are Transported by Extracellular Vesicles of Sporadic Amyotrophic Lateral Sclerosis Patients. Frontiers in Neuroscience, 2018, 12, 487. | 1.4 | 95 |
| 10 | 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. | 3.9 | 94 |
| 11 | Loss-of-function mutations in theSIGMAR1gene cause distal hereditary motor neuropathy by impairing ER-mitochondria tethering and Ca<sup>2+</sup>signalling. Human Molecular Genetics, 2016, 25, 3741-3753. | 1.4 | 85 |
| 12 | Transcriptional induction of the heat shock protein B8 mediates the clearance of misfolded proteins responsible for motor neuron diseases. Scientific Reports, 2016, 6, 22827. | 1.6 | 78 |
| 13 | 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. | 1.4 | 72 |
| 14 | 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. | 1.8 | 71 |
| 15 | 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. | 1.2 | 69 |
| 16 | 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. | 2.8 | 66 |
| 17 | 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. | 1.5 | 63 |
| 18 | Inhibition of retrograde transport modulates misfolded protein accumulation and clearance in motoneuron diseases. Autophagy, 2017, 13, 1280-1303. | 4.3 | 62 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Aggregation and proteasome: The case of elongated polyglutamine aggregation in spinal and bulbar muscular atrophy. Neurobiology of Aging, 2007, 28, 1099-1111. | 1.5 | 58 |
| 20 | Clearance of the mutant androgen receptor in motoneuronal models of spinal and bulbar muscular atrophy. Neurobiology of Aging, 2013, 34, 2585-2603. | 1.5 | 57 |
| 21 | Muscle cells and motoneurons differentially remove mutant SOD1 causing familial amyotrophic lateral sclerosis. Journal of Neurochemistry, 2011, 118, 266-280. | 2.1 | 55 |
| 22 | 17-AAG increases autophagic removal of mutant androgen receptor in spinal and bulbar muscular atrophy. Neurobiology of Disease, 2011, 41, 83-95. | 2.1 | 55 |
| 23 | The Role of the Heat Shock Protein B8 (HSPB8) in Motoneuron Diseases. Frontiers in Molecular Neuroscience, 2017, 10, 176. | 1.4 | 54 |
| 24 | Differential autophagy power in the spinal cord and muscle of transgenic ALS mice. Frontiers in Cellular Neuroscience, 2013, 7, 234. | 1.8 | 53 |
| 25 | Tdp-25 Routing to Autophagy and Proteasome Ameliorates its Aggregation in Amyotrophic Lateral Sclerosis Target Cells. Scientific Reports, 2018, 8, 12390. | 1.6 | 50 |
| 26 | Aberrant Autophagic Response in The Muscle of A Knock-in Mouse Model of Spinal and Bulbar Muscular Atrophy. Scientific Reports, 2015, 5, 15174. | 1.6 | 47 |
| 27 | 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. | 0.8 | 44 |
| 28 | Proteasomal and autophagic degradative activities in spinal and bulbar muscular atrophy. Neurobiology of Disease, 2010, 40, 361-369. | 2.1 | 42 |
| 29 | 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. | 1.4 | 42 |
| 30 | The small heat shock protein B8 (HSPB8) modulates proliferation and migration of breast cancer cells. Oncotarget, 2017, 8, 10400-10415. | 0.8 | 42 |
| 31 | Modulators of estrogen receptor inhibit proliferation and migration of prostate cancer cells. Pharmacological Research, 2014, 79, 13-20. | 3.1 | 38 |
| 32 | The Role of the Protein Quality Control System in SBMA. Journal of Molecular Neuroscience, 2016, 58, 348-364. | 1.1 | 32 |
| 33 | BAG3 Pro209 mutants associated with myopathy and neuropathy relocate chaperones of the CASA-complex to aggresomes. Scientific Reports, 2020, 10, 8755. | 1.6 | 32 |
| 34 | Motoneuronal and muscle-selective removal of ALS-related misfolded proteins. Biochemical Society Transactions, 2013, 41, 1598-1604. | 1.6 | 31 |
| 35 | Dysregulation of axonal transport and motorneuron diseases. Biology of the Cell, 2011, 103, 87-107. | 0.7 | 29 |
| 36 | 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, 221-230. | 3.1 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Nuclear Phospho-SOD1 Protects DNA from Oxidative Stress Damage in Amyotrophic Lateral Sclerosis. Journal of Clinical Medicine, 2019, 8, 729. | 1.0 | 28 |
| 38 | The Role of HSPB8, a Component of the Chaperone-Assisted Selective Autophagy Machinery, in Cancer. Cells, 2021, 10, 335. | 1.8 | 28 |
| 39 | ALS-related misfolded protein management in motor neurons and muscle cells. Neurochemistry International, 2014, 79, 70-78. | 1.9 | 27 |
| 40 | Multiple Roles of Transforming Growth Factor Beta in Amyotrophic Lateral Sclerosis. International Journal of Molecular Sciences, 2020, 21, 4291. | 1.8 | 27 |
| 41 | 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. | 1.4 | 23 |
| 42 | Autophagic and Proteasomal Mediated Removal of Mutant Androgen Receptor in Muscle Models of Spinal and Bulbar Muscular Atrophy. Frontiers in Endocrinology, 2019, 10, 569. | 1.5 | 22 |
| 43 | 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. | 1.1 | 22 |
| 44 | A Crucial Role for the Protein Quality Control System in Motor Neuron Diseases. Frontiers in Aging Neuroscience, 2020, 12, 191. | 1.7 | 16 |
| 45 | Valosin Containing Protein (VCP): A Multistep Regulator of Autophagy. International Journal of Molecular Sciences, 2022, 23, 1939. | 1.8 | 16 |
| 46 | 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. | 1.5 | 15 |
| 47 | Multilayer and MATR3-dependent regulation of mRNAs maintains pluripotency in human induced pluripotent stem cells. IScience, 2021, 24, 102197. | 1.9 | 11 |
| 48 | Neurodegenerative Disease-Associated TDP-43 Fragments Are Extracellularly Secreted with CASA Complex Proteins. Cells, 2022, 11, 516. | 1.8 | 11 |
| 49 | Enhanced Clearance of Neurotoxic Misfolded Proteins by the Natural Compound Berberine and Its Derivatives. International Journal of Molecular Sciences, 2020, 21, 3443. | 1.8 | 9 |
| 50 | RNA Molecular Signature Profiling in PBMCs of Sporadic ALS Patients: HSP70 Overexpression Is Associated with Nuclear SOD1. Cells, 2022, 11, 293. | 1.8 | 5 |
| 51 | Pathogenic variants of Valosinâ€containing protein induce lysosomal damage and transcriptional activation of autophagy regulators in neuronal cells. Neuropathology and Applied Neurobiology, 2022, 48, e12818. | 1.8 | 5 |
| 52 | Retinoic Acid Downregulates HSPB8 Gene Expression in Human Breast Cancer Cells MCF-7. Frontiers in Oncology, 2021, 11, 652085. | 1.3 | 3 |
| 53 | MATR3-Dependent Multilayer Regulation of OCT4, NANOG and LIN28A is Essential for the Maintenance of the Human Pluripotency. SSRN Electronic Journal, 0, , . | 0.4 | 0 |