

Isidre Ferrer

List of Publications by Year in descending order

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Version: 2024-02-01

519
papers

29,380
citations

3933

88
h-index

11939

134
g-index

547
all docs

547
docs citations

547
times ranked

32271
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Neuropathology and Pathogenesis of Encephalitis following Amyloid β^2 Immunization in Alzheimer's Disease. <i>Brain Pathology</i> , 2004, 14, 11-20. | 4.1 | 531 |
| 2 | Chaperone-Mediated Autophagy Markers in Parkinson Disease Brains. <i>Archives of Neurology</i> , 2010, 67, 1464-72. | 4.5 | 440 |
| 3 | Aging-related tau astrogliopathy (ARTAG): harmonized evaluation strategy. <i>Acta Neuropathologica</i> , 2016, 131, 87-102. | 7.7 | 380 |
| 4 | Staging of Neurofibrillary Pathology in Alzheimer's Disease: A Study of the BrainNet Europe Consortium. <i>Brain Pathology</i> , 2008, 18, 484-496. | 4.1 | 361 |
| 5 | BDNF and Full-length and Truncated TrkB Expression in Alzheimer Disease. Implications in Therapeutic Strategies. <i>Journal of Neuropathology and Experimental Neurology</i> , 1999, 58, 729-739. | 1.7 | 350 |
| 6 | Signaling of Cell Death and Cell Survival Following Focal Cerebral Ischemia: Life and Death Struggle in the Penumbra. <i>Journal of Neuropathology and Experimental Neurology</i> , 2003, 62, 329-339. | 1.7 | 324 |
| 7 | Severe Alterations in Lipid Composition of Frontal Cortex Lipid Rafts from Parkinson's Disease and Incidental Parkinson's Disease. <i>Molecular Medicine</i> , 2011, 17, 1107-1118. | 4.4 | 308 |
| 8 | Oxidative and endoplasmic reticulum stress interplay in sporadic amyotrophic lateral sclerosis. <i>Brain</i> , 2007, 130, 3111-3123. | 7.6 | 296 |
| 9 | Current Advances on Different Kinases Involved in Tau Phosphorylation, and Implications in Alzheimers Disease and Tauopathies. <i>Current Alzheimer Research</i> , 2005, 2, 3-18. | 1.4 | 281 |
| 10 | Clinical Correlations With Lewy Body Pathology in <i>LRRK2</i> -Related Parkinson Disease. <i>JAMA Neurology</i> , 2015, 72, 100. | 9.0 | 272 |
| 11 | A new human gene from the Down syndrome critical region encodes a proline-rich protein highly expressed in fetal brain and heart. <i>Human Molecular Genetics</i> , 1995, 4, 1935-1944. | 2.9 | 250 |
| 12 | Proteomic and oxidative stress analysis in human brain samples of Huntington disease. <i>Free Radical Biology and Medicine</i> , 2008, 45, 667-678. | 2.9 | 250 |
| 13 | Staging/typing of Lewy body related β -synuclein pathology: a study of the BrainNet Europe Consortium. <i>Acta Neuropathologica</i> , 2009, 117, 635-652. | 7.7 | 249 |
| 14 | Proteins in Human Brain Cortex Are Modified by Oxidation, Glycooxidation, and Lipoxidation. <i>Journal of Biological Chemistry</i> , 2005, 280, 21522-21530. | 3.4 | 246 |
| 15 | Unexpected expression of β - and β^2 -globin in mesencephalic dopaminergic neurons and glial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15454-15459. | 7.1 | 240 |
| 16 | Lipid Alterations in Lipid Rafts from Alzheimer's Disease Human Brain Cortex. <i>Journal of Alzheimer's Disease</i> , 2010, 19, 489-502. | 2.6 | 235 |
| 17 | PINK1-linked parkinsonism is associated with Lewy body pathology. <i>Brain</i> , 2010, 133, 1128-1142. | 7.6 | 223 |
| 18 | Evidence of Oxidative Stress in the Neocortex in Incidental Lewy Body Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2005, 64, 816-830. | 1.7 | 222 |

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|----|--|------|-----------|
| 19 | Phosphorylated Map Kinase (ERK1, ERK2) Expression is Associated with Early Tau Deposition in Neurones and Glial Cells, but not with Increased Nuclear DNA Vulnerability and Cell Death, in Alzheimer Disease, Pick's Disease, Progressive Supranuclear Palsy and Corticobasal Degeneration. <i>Brain Pathology</i> , 2001, 11, 144-158. | 4.1 | 206 |
| 20 | Phosphorylated mitogen-activated protein kinase (MAPK/ERK-P), protein kinase of 38 kDa (p38-P), stress-activated protein kinase (SAPK/JNK-P), and calcium/calmodulin-dependent kinase II (CaM kinase II) are differentially expressed in tau deposits in neurons and glial cells in tauopathies. <i>Journal of Neural Transmission</i> , 2001, 108, 1397-1415. | 2.8 | 188 |
| 21 | Protein Targets of Oxidative Damage in Human Neurodegenerative Diseases with Abnormal Protein Aggregates. <i>Brain Pathology</i> , 2010, 20, 281-297. | 4.1 | 184 |
| 22 | Consensus classification of human prion disease histotypes allows reliable identification of molecular subtypes: an inter-rater study among surveillance centres in Europe and USA. <i>Acta Neuropathologica</i> , 2012, 124, 517-529. | 7.7 | 184 |
| 23 | Argyrophilic grain disease. <i>Brain</i> , 2008, 131, 1416-1432. | 7.6 | 183 |
| 24 | Huntington's disease is a four-repeat tauopathy with tau nuclear rods. <i>Nature Medicine</i> , 2014, 20, 881-885. | 30.7 | 183 |
| 25 | Early oxidative damage underlying neurodegeneration in X-adrenoleukodystrophy. <i>Human Molecular Genetics</i> , 2008, 17, 1762-1773. | 2.9 | 181 |
| 26 | Altered Machinery of Protein Synthesis in Alzheimer's: From the Nucleolus to the Ribosome. <i>Brain Pathology</i> , 2016, 26, 593-605. | 4.1 | 180 |
| 27 | Glycogen synthase kinase-3 is associated with neuronal and glial hyperphosphorylated tau deposits in Alzheimer's disease, Pick's disease, progressive supranuclear palsy and corticobasal degeneration. <i>Acta Neuropathologica</i> , 2002, 104, 583-591. | 7.7 | 174 |
| 28 | Metabolomics of Human Brain Aging and Age-Related Neurodegenerative Diseases. <i>Journal of Neuropathology and Experimental Neurology</i> , 2014, 73, 640-657. | 1.7 | 174 |
| 29 | Glial and Neuronal Tau Pathology in Tauopathies. <i>Journal of Neuropathology and Experimental Neurology</i> , 2014, 73, 81-97. | 1.7 | 174 |
| 30 | Functional overlap between ABCD1 (ALD) and ABCD2 (ALDR) transporters: a therapeutic target for X-adrenoleukodystrophy. <i>Human Molecular Genetics</i> , 2004, 13, 2997-3006. | 2.9 | 170 |
| 31 | Globular glial tauopathies (GGT): consensus recommendations. <i>Acta Neuropathologica</i> , 2013, 126, 537-544. | 7.7 | 168 |
| 32 | CB2 Cannabinoid Receptor Agonist Ameliorates Alzheimer-Like Phenotype in A β 2PP/PS1 Mice. <i>Journal of Alzheimer's Disease</i> , 2013, 35, 847-858. | 2.6 | 167 |
| 33 | Cannabinoids for treatment of Alzheimer's disease: moving toward the clinic. <i>Frontiers in Pharmacology</i> , 2014, 5, 37. | 3.5 | 166 |
| 34 | Accelerated amyloid deposition, neurofibrillary degeneration and neuronal loss in double mutant APP/tau transgenic mice. <i>Neurobiology of Disease</i> , 2005, 20, 814-822. | 4.4 | 163 |
| 35 | DNA Methylation of Alzheimer Disease and Tauopathy-Related Genes in Postmortem Brain. <i>Journal of Neuropathology and Experimental Neurology</i> , 2009, 68, 880-891. | 1.7 | 162 |
| 36 | Altered mitochondria, energy metabolism, voltage-dependent anion channel, and lipid rafts converge to exhaust neurons in Alzheimer's disease. <i>Journal of Bioenergetics and Biomembranes</i> , 2009, 41, 425-431. | 2.3 | 159 |

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|----|--|------|-----------|
| 37 | Neuropathology of sporadic Parkinson disease before the appearance of parkinsonism: preclinical Parkinson disease. <i>Journal of Neural Transmission</i> , 2011, 118, 821-839. | 2.8 | 156 |
| 38 | Defining Alzheimer as a common age-related neurodegenerative process not inevitably leading to dementia. <i>Progress in Neurobiology</i> , 2012, 97, 38-51. | 5.7 | 153 |
| 39 | Constitutive Dyrk1A is abnormally expressed in Alzheimer disease, Down syndrome, Pick disease, and related transgenic models. <i>Neurobiology of Disease</i> , 2005, 20, 392-400. | 4.4 | 152 |
| 40 | Brain Protein Preservation Largely Depends on the Postmortem Storage Temperature. <i>Journal of Neuropathology and Experimental Neurology</i> , 2007, 66, 35-46. | 1.7 | 151 |
| 41 | Brain banks: benefits, limitations and cautions concerning the use of post-mortem brain tissue for molecular studies. <i>Cell and Tissue Banking</i> , 2008, 9, 181-194. | 1.1 | 151 |
| 42 | Evidence of Nuclear DNA Fragmentation Following Hypoxia-Ischemia in the Infant Rat Brain, and Transient Forebrain Ischemia in the Adult Gerbil. <i>Brain Pathology</i> , 1994, 4, 115-122. | 4.1 | 150 |
| 43 | Adenosine Receptors Accumulate in Neurodegenerative Structures in Alzheimer's Disease and Mediate Both Amyloid Precursor Protein Processing and Tau Phosphorylation and Translocation. <i>Brain Pathology</i> , 2003, 13, 440-451. | 4.1 | 150 |
| 44 | Altered Mitochondrial DNA Methylation Pattern in Alzheimer Disease-Related Pathology and in Parkinson Disease. <i>American Journal of Pathology</i> , 2016, 186, 385-397. | 3.8 | 150 |
| 45 | Pro-NGF Isolated from the Human Brain Affected by Alzheimer's Disease Induces Neuronal Apoptosis Mediated by p75NTR. <i>American Journal of Pathology</i> , 2005, 166, 533-543. | 3.8 | 149 |
| 46 | Mixed Brain Pathologies in Dementia: The BrainNet Europe Consortium Experience. <i>Dementia and Geriatric Cognitive Disorders</i> , 2008, 26, 343-350. | 1.5 | 148 |
| 47 | RESEARCH ARTICLE: Upregulation of Adenosine Receptors in the Frontal Cortex in Alzheimer's Disease. <i>Brain Pathology</i> , 2008, 18, 211-219. | 4.1 | 147 |
| 48 | (Patho)physiological relevance of PINK1-dependent ubiquitin phosphorylation. <i>EMBO Reports</i> , 2015, 16, 1114-1130. | 4.5 | 147 |
| 49 | Active, phosphorylation-dependent mitogen-activated protein kinase (MAPK/ERK), stress-activated protein kinase/c-Jun N-terminal kinase (SAPK/JNK), and p38 kinase expression in Parkinson's disease and Dementia with Lewy bodies. <i>Journal of Neural Transmission</i> , 2001, 108, 1383-1396. | 2.8 | 146 |
| 50 | Brain-derived neurotrophic factor reduces cortical cell death by ischemia after middle cerebral artery occlusion in the rat. <i>Acta Neuropathologica</i> , 2001, 101, 229-238. | 7.7 | 146 |
| 51 | Myotilinopathy: refining the clinical and myopathological phenotype. <i>Brain</i> , 2005, 128, 2315-2326. | 7.6 | 146 |
| 52 | Neuroprotective Role of Trans-Resveratrol in a Murine Model of Familial Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 1209-1220. | 2.6 | 141 |
| 53 | YKL-40 in the brain and cerebrospinal fluid of neurodegenerative dementias. <i>Molecular Neurodegeneration</i> , 2017, 12, 83. | 10.8 | 140 |
| 54 | Effects of Antemortem and Postmortem Variables on Human Brain mRNA Quality: A BrainNet Europe Study. <i>Journal of Neuropathology and Experimental Neurology</i> , 2010, 69, 70-81. | 1.7 | 139 |

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|----|---|-----|-----------|
| 55 | LRRK2 delays degradative receptor trafficking by impeding late endosomal budding through decreasing Rab7 activity. <i>Human Molecular Genetics</i> , 2014, 23, 6779-6796. | 2.9 | 139 |
| 56 | Lipidomics of Human Brain Aging and Alzheimer's Disease Pathology. <i>International Review of Neurobiology</i> , 2015, 122, 133-189. | 2.0 | 139 |
| 57 | Human DNA methylomes of neurodegenerative diseases show common epigenomic patterns. <i>Translational Psychiatry</i> , 2016, 6, e718-e718. | 4.8 | 137 |
| 58 | Clinical and myopathological evaluation of early- and late-onset subtypes of myofibrillar myopathy. <i>Neuromuscular Disorders</i> , 2011, 21, 533-542. | 0.6 | 135 |
| 59 | Development of GABA-immunoreactivity in the neocortex of the mouse. <i>Journal of Comparative Neurology</i> , 1992, 326, 501-526. | 1.6 | 134 |
| 60 | High-fat diet-induced deregulation of hippocampal insulin signaling and mitochondrial homeostasis deficiencies contribute to Alzheimer disease pathology in rodents. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1687-1699. | 3.8 | 134 |
| 61 | Nuclear localization and phosphorylation modulate pathological effects of alpha-synuclein. <i>Human Molecular Genetics</i> , 2019, 28, 31-50. | 2.9 | 131 |
| 62 | Phosphorylation of tau and β -synuclein in synaptic-enriched fractions of the frontal cortex in Alzheimer's disease, and in Parkinson's disease and related β -synucleinopathies. <i>Neuroscience</i> , 2008, 152, 2.3 913-923. | | 129 |
| 63 | Hippocampal Radial Glial Subtypes and Their Neurogenic Potential in Human Fetuses and Healthy and Alzheimer's Disease Adults. <i>Cerebral Cortex</i> , 2018, 28, 2458-2478. | 2.9 | 128 |
| 64 | Effects of Formalin Fixation, Paraffin Embedding, and Time of Storage on DNA Preservation in Brain Tissue: A BrainNet Europe Study. <i>Brain Pathology</i> , 2007, 17, 297-303. | 4.1 | 127 |
| 65 | Human brain cortex: mitochondrial oxidative damage and adaptive response in Parkinson disease and in dementia with Lewy bodies. <i>Free Radical Biology and Medicine</i> , 2009, 46, 1574-1580. | 2.9 | 127 |
| 66 | Mitochondrial ATPase Synthase in the Entorhinal Cortex Is a Target of Oxidative Stress at Stages I/II of Alzheimer's Disease Pathology. <i>Brain Pathology</i> , 2010, 20, 222-233. | 4.1 | 127 |
| 67 | Antioxidants halt axonal degeneration in a mouse model of X-linked adrenoleukodystrophy. <i>Annals of Neurology</i> , 2011, 70, 84-92. | 5.3 | 122 |
| 68 | Distribution, morphological features, and synaptic connections of parvalbumin- and calbindin D28k-immunoreactive neurons in the human hippocampal formation. <i>Journal of Comparative Neurology</i> , 1993, 337, 208-230. | 1.6 | 121 |
| 69 | Altered lipid composition in cortical lipid rafts occurs at early stages of sporadic Alzheimer's disease and facilitates APP/BACE1 interactions. <i>Neurobiology of Aging</i> , 2014, 35, 1801-1812. | 3.1 | 116 |
| 70 | General Aspects and Neuropathology of X-linked Adrenoleukodystrophy. <i>Brain Pathology</i> , 2010, 20, 817-830. | 4.1 | 112 |
| 71 | Functional Genomics Reveals Dysregulation of Cortical Olfactory Receptors in Parkinson Disease: Novel Putative Chemoreceptors in the Human Brain. <i>Journal of Neuropathology and Experimental Neurology</i> , 2013, 72, 524-539. | 1.7 | 111 |
| 72 | Selection of novel reference genes for use in the human central nervous system: a BrainNet Europe Study. <i>Acta Neuropathologica</i> , 2012, 124, 893-903. | 7.7 | 110 |

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|----|--|------|-----------|
| 73 | Cannabis-Based Medicine Reduces Multiple Pathological Processes in A β PP/PS1 Mice. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 977-991. | 2.6 | 110 |
| 74 | Connexin 31 (GJB3) is expressed in the peripheral and auditory nerves and causes neuropathy and hearing impairment. <i>Human Molecular Genetics</i> , 2001, 10, 947-952. | 2.9 | 109 |
| 75 | Early modifications in the expression of mitogen-activated protein kinase (MAPK/ERK), stress-activated kinases SAPK/JNK and p38, and their phosphorylated substrates following focal cerebral ischemia. <i>Acta Neuropathologica</i> , 2003, 105, 425-437. | 7.7 | 109 |
| 76 | Diversity of astroglial responses across human neurodegenerative disorders and brain aging. <i>Brain Pathology</i> , 2017, 27, 645-674. | 4.1 | 109 |
| 77 | τ -synuclein phosphorylation and truncation are normal events in the adult human brain. <i>Neuroscience</i> , 2012, 200, 106-119. | 2.3 | 108 |
| 78 | Deregulation of purine metabolism in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015, 36, 68-80. | 3.1 | 108 |
| 79 | Neuroinflammatory Signals in Alzheimer Disease and APP/PS1 Transgenic Mice. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015, 74, 319-344. | 1.7 | 105 |
| 80 | A novel mutation (K317M) in the <i>MAPT</i> gene causes FTDP and motor neuron disease. <i>Neurology</i> , 2005, 64, 1578-1585. | 1.1 | 97 |
| 81 | Parvalbumin and calbindin-D28k immunocytochemistry in human neocortical epileptic foci. <i>Journal of the Neurological Sciences</i> , 1994, 123, 18-25. | 0.6 | 95 |
| 82 | Amyloid Generation and Dysfunctional Immunoproteasome Activation with Disease Progression in Animal Model of Familial Alzheimer's Disease. <i>Brain Pathology</i> , 2012, 22, 636-653. | 4.1 | 95 |
| 83 | Impaired mitochondrial oxidative phosphorylation in the peroxisomal disease X-linked adrenoleukodystrophy. <i>Human Molecular Genetics</i> , 2013, 22, 3296-3305. | 2.9 | 95 |
| 84 | Caspase-dependent and caspase-independent signalling of apoptosis in the penumbra following middle cerebral artery occlusion in the adult rat. <i>Neuropathology and Applied Neurobiology</i> , 2003, 29, 472-481. | 3.2 | 94 |
| 85 | Abnormal τ -Synuclein Interactions with Rab Proteins in τ -Synuclein A30P Transgenic Mice. <i>Journal of Neuropathology and Experimental Neurology</i> , 2004, 63, 302-313. | 1.7 | 93 |
| 86 | pH measurement as quality control on human <i>post mortem</i> brain tissue: a study of the BrainNet Europe consortium. <i>Neuropathology and Applied Neurobiology</i> , 2009, 35, 329-337. | 3.2 | 93 |
| 87 | Early involvement of the cerebral cortex in Parkinson's disease: Convergence of multiple metabolic defects. <i>Progress in Neurobiology</i> , 2009, 88, 89-103. | 5.7 | 92 |
| 88 | Cell stress induces TDP-43 pathological changes associated with ERK1/2 dysfunction: implications in ALS. <i>Acta Neuropathologica</i> , 2011, 122, 259-270. | 7.7 | 92 |
| 89 | Disrupting MLC1 and GlialCAM and CIC-2 interactions in leukodystrophy entails glial chloride channel dysfunction. <i>Nature Communications</i> , 2014, 5, 3475. | 12.8 | 92 |
| 90 | CB2 Cannabinoid Receptor As Potential Target against Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2016, 10, 243. | 2.8 | 92 |

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|-----|--|-----|-----------|
| 91 | Increased striatal adenosine A2A receptor levels is an early event in Parkinson's disease-related pathology and it is potentially regulated by miR-34b. <i>Neurobiology of Disease</i> , 2014, 69, 206-214. | 4.4 | 91 |
| 92 | Genetic and Transcriptomic Profiles of Inflammation in Neurodegenerative Diseases: Alzheimer, Parkinson, Creutzfeldt-Jakob and Tauopathies. <i>International Journal of Molecular Sciences</i> , 2016, 17, 206. | 4.1 | 91 |
| 93 | Inactivation of the peroxisomal ABCD2 transporter in the mouse leads to late-onset ataxia involving mitochondria, Golgi and endoplasmic reticulum damage. <i>Human Molecular Genetics</i> , 2005, 14, 3565-3577. | 2.9 | 90 |
| 94 | Neurons and Their Dendrites in Frontotemporal Dementia. <i>Dementia and Geriatric Cognitive Disorders</i> , 1999, 10, 55-60. | 1.5 | 87 |
| 95 | Microspectroscopy ($\hat{1}/4$ FTIR) Reveals Co-localization of Lipid Oxidation and Amyloid Plaques in Human Alzheimer Disease Brains. <i>Analytical Chemistry</i> , 2014, 86, 12047-12054. | 6.5 | 87 |
| 96 | Altered machinery of protein synthesis is region- and stage-dependent and is associated with $\hat{1}\pm$ -synuclein oligomers in Parkinson's disease. <i>Acta Neuropathologica Communications</i> , 2015, 3, 76. | 5.2 | 87 |
| 97 | Age- and disease-dependent increase of the mitophagy marker phospho-ubiquitin in normal aging and Lewy body disease. <i>Autophagy</i> , 2018, 14, 1404-1418. | 9.1 | 87 |
| 98 | Arteriolosclerotic leucoencephalopathy in the elderly and its relation to white matter lesions in Binswanger's disease, multi-infarct encephalopathy and Alzheimer's disease. <i>Journal of the Neurological Sciences</i> , 1990, 98, 37-50. | 0.6 | 86 |
| 99 | Inter-laboratory comparison of neuropathological assessments of $\hat{1}^2$ -amyloid protein: a study of the BrainNet Europe consortium. <i>Acta Neuropathologica</i> , 2008, 115, 533-546. | 7.7 | 86 |
| 100 | Neuronal Hemoglobin is Reduced in Alzheimer's Disease, Argyrophilic Grain Disease, Parkinson's Disease, and Dementia with Lewy Bodies. <i>Journal of Alzheimer's Disease</i> , 2011, 23, 537-550. | 2.6 | 86 |
| 101 | Olfactory Receptors in Non-Chemosensory Organs: The Nervous System in Health and Disease. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 163. | 3.4 | 86 |
| 102 | Transforming growth factor- $\hat{1}\pm$ (TGF- $\hat{1}\pm$) and epidermal growth factor-receptor (EGF-R) immunoreactivity in normal and pathologic brain. <i>Progress in Neurobiology</i> , 1996, 49, 99-119. | 5.7 | 85 |
| 103 | Abnormal $\hat{1}\pm$ -synuclein interactions with rab3a and rabphilin in diffuse Lewy body disease. <i>Neurobiology of Disease</i> , 2004, 16, 92-97. | 4.4 | 85 |
| 104 | Proteasomal Expression, Induction of Immunoproteasome Subunits, and Local MHC Class I Presentation in Myofibrillar Myopathy and Inclusion Body Myositis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2004, 63, 484-498. | 1.7 | 84 |
| 105 | Oxidative stress underlying axonal degeneration in adrenoleukodystrophy: A paradigm for multifactorial neurodegenerative diseases?. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 1475-1488. | 3.8 | 84 |
| 106 | TAR DNA-Binding Protein 43 Accumulation in Protein Aggregate Myopathies. <i>Journal of Neuropathology and Experimental Neurology</i> , 2009, 68, 262-273. | 1.7 | 83 |
| 107 | Both apoptosis and necrosis occur following intrastriatal administration of excitotoxins. <i>Acta Neuropathologica</i> , 1995, 90, 504-510. | 7.7 | 82 |
| 108 | Aquaporin expression in the cerebral cortex is increased at early stages of Alzheimer disease. <i>Brain Research</i> , 2007, 1128, 164-174. | 2.2 | 80 |

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|-----|--|-----|-----------|
| 109 | Molecular mechanisms of MLC1 and GLIALCAM mutations in megalencephalic leukoencephalopathy with subcortical cysts. <i>Human Molecular Genetics</i> , 2011, 20, 3266-3277. | 2.9 | 80 |
| 110 | Abnormal synaptic protein expression and cell death in murine scrapie. <i>Acta Neuropathologica</i> , 2002, 103, 615-626. | 7.7 | 79 |
| 111 | BDNF Upregulates TrkB Protein and Prevents the Death of CA1 Neurons Following Transient Forebrain Ischemia. <i>Brain Pathology</i> , 1998, 8, 253-261. | 4.1 | 79 |
| 112 | proBDNF is modified by advanced glycation end products in Alzheimer's disease and causes neuronal apoptosis by inducing p75 neurotrophin receptor processing. <i>Molecular Brain</i> , 2018, 11, 68. | 2.6 | 79 |
| 113 | Neuronal alterations in patients with dementia: a Golgi study on biopsy samples. <i>Neuroscience Letters</i> , 1990, 114, 11-16. | 2.1 | 78 |
| 114 | Expression of stress-activated kinases c-Jun N-terminal kinase (SAPK/JNK-P) and p38 kinase (p38-P), and tau hyperphosphorylation in neurites surrounding A β plaques in APP Tg2576 mice. <i>Neuropathology and Applied Neurobiology</i> , 2004, 30, 491-502. | 3.2 | 78 |
| 115 | Characterization of a double (amyloid precursor protein-tau) transgenic: Tau phosphorylation and aggregation. <i>Neuroscience</i> , 2005, 130, 339-347. | 2.3 | 78 |
| 116 | Oxidative Damage Compromises Energy Metabolism in the Axonal Degeneration Mouse Model of X-Adrenoleukodystrophy. <i>Antioxidants and Redox Signaling</i> , 2011, 15, 2095-2107. | 5.4 | 78 |
| 117 | Oxidative stress modulates mitochondrial failure and cyclophilin D function in X-linked adrenoleukodystrophy. <i>Brain</i> , 2012, 135, 3584-3598. | 7.6 | 78 |
| 118 | Naturally Occurring (Programmed) and Radiation-Induced Apoptosis are Associated with Selective c-Jun Expression in the Developing Rat Brain. <i>European Journal of Neuroscience</i> , 1996, 8, 1286-1298. | 2.6 | 77 |
| 119 | Oxidation, glycooxidation, lipoxidation, nitration, and responses to oxidative stress in the cerebral cortex in Creutzfeldt-Jakob disease. <i>Neurobiology of Aging</i> , 2006, 27, 1807-1815. | 3.1 | 76 |
| 120 | Cannabinoid pharmacology/therapeutics in chronic degenerative disorders affecting the central nervous system. <i>Biochemical Pharmacology</i> , 2018, 157, 67-84. | 4.4 | 75 |
| 121 | Poly(propylene imine) dendrimers with histidine-maltose shell as novel type of nanoparticles for synapse and memory protection. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 17, 198-209. | 3.3 | 75 |
| 122 | Pro-NGF from Alzheimer's Disease and Normal Human Brain Displays Distinctive Abilities to Induce Processing and Nuclear Translocation of Intracellular Domain of p75NTR and Apoptosis. <i>American Journal of Pathology</i> , 2006, 169, 119-131. | 3.8 | 74 |
| 123 | Apoptosis: Future Targets for Neuroprotective Strategies. <i>Cerebrovascular Diseases</i> , 2006, 21, 9-20. | 1.7 | 74 |
| 124 | Increased oxidation, glycooxidation, and lipoxidation of brain proteins in prion disease. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1159-1166. | 2.9 | 74 |
| 125 | Transforming growth factor- β immunoreactivity in the developing and adult brain. <i>Neuroscience</i> , 1995, 66, 189-199. | 2.3 | 73 |
| 126 | Synaptic pathology and cell death in the cerebellum in Creutzfeldt-Jakob disease. <i>Cerebellum</i> , 2002, 1, 213-222. | 2.5 | 73 |

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|-----|--|------|-----------|
| 127 | Neurochemistry and the non-motor aspects of PD. <i>Neurobiology of Disease</i> , 2012, 46, 508-526. | 4.4 | 73 |
| 128 | Complex Deregulation and Expression of Cytokines and Mediators of the Immune Response in Parkinson's Disease Brain is Region Dependent. <i>Brain Pathology</i> , 2014, 24, 584-598. | 4.1 | 73 |
| 129 | Olfactory bulb neuroproteomics reveals a chronological perturbation of survival routes and a disruption of prohibitin complex during Alzheimer's disease progression. <i>Scientific Reports</i> , 2017, 7, 9115. | 3.3 | 73 |
| 130 | PM20D1 is a quantitative trait locus associated with Alzheimer's disease. <i>Nature Medicine</i> , 2018, 24, 598-603. | 30.7 | 73 |
| 131 | Desmin-related myopathy: clinical, electrophysiological, radiological, neuropathological and genetic studies. <i>Journal of the Neurological Sciences</i> , 2004, 219, 125-137. | 0.6 | 72 |
| 132 | Lysosome-associated membrane protein 1 (LAMP-1) in Alzheimer's disease. <i>Neuropathology and Applied Neurobiology</i> , 2006, 32, 505-516. | 3.2 | 72 |
| 133 | Locus coeruleus at asymptomatic early and middle Braak stages of neurofibrillary tangle pathology. <i>Neuropathology and Applied Neurobiology</i> , 2017, 43, 373-392. | 3.2 | 72 |
| 134 | TaqMan PCR assay in the control of RNA normalization in human post-mortem brain tissue. <i>Neurochemistry International</i> , 2006, 49, 276-284. | 3.8 | 71 |
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