# Carole Escartin

List of Publications by Year
in descending order



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|---|---|---|---|
| 47 papers | 4,472 citations | 186254 28 h-index | 243610 44 g-index |
| 52 all docs | 52 docs citations | 52 times ranked | 6469 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Astrocytes and neuropsychiatric symptoms in neurodegenerative diseases: Exploring the missing links. Current Opinion in Neurobiology, 2022, 72, 63-71. | 4.2 | 3 |
| 2 | Multi-transcriptomic analysis points to early organelle dysfunction in human astrocytes in Alzheimer's disease. Neurobiology of Disease, 2022, 166, 105655. | 4.4 | 33 |
| 3 | Characterizing extracellular diffusion properties using diffusionâ€weighted MRS of sucrose injected in mouse brain. NMR in Biomedicine, 2021, 34, e4478. | 2.8 | 5 |
| 4 | Reactive astrocyte nomenclature, definitions, and future directions. Nature Neuroscience, 2021, 24, 312-325. | 14.8 | 1,098 |
| 5 | Neuronal tau species transfer to astrocytes and induce their loss according to tau aggregation state. Brain, 2021, 144, 1167-1182. | 7.6 | 27 |
| 6 | STAT3-Mediated Astrocyte Reactivity Associated with Brain Metastasis Contributes to Neurovascular Dysfunction. Cancer Research, 2020, 80, 5642-5655. | 0.9 | 18 |
| 7 | Complex roles for reactive astrocytes in the triple transgenic mouse model of Alzheimer disease. Neurobiology of Aging, 2020, 90, 135-146. | 3.1 | 23 |
| 8 | Emerging technologies to study glial cells. Glia, 2020, 68, 1692-1728. | 4.9 | 32 |
| 9 | Questions and (some) answers on reactive astrocytes. Glia, 2019, 67, 2221-2247. | 4.9 | 185 |
| 10 | Diffusion-weighted magnetic resonance spectroscopy enables cell-specific monitoring of astrocyte reactivity in vivo. NeuroImage, 2019, 191, 457-469. | 4.2 | 42 |
| 11 | A42â€…Reactive astrocytes promote proteostasis in huntingtonâ€™s disease. , 2018, , . | | 1 |
| 12 | Modulation of astrocyte reactivity improves functional deficits in mouse models of Alzheimerâ€™s disease. Acta Neuropathologica Communications, 2018, 6, 104. | 5.2 | 134 |
| 13 | O2â€07â€04: Specific Inhibition of Astrocyte Reactivity Improves Some Disease Outcomes in Alzheimer's Disease Mice. Alzheimer's and Dementia, 2016, 12, P242. | 0.8 | 0 |
| 14 | Multifaceted roles for astrocytes in spreading depolarization: A target for limiting spreading depolarization in acute brain injury?. Glia, 2016, 64, 5-20. | 4.9 | 56 |
| 15 | New paradigm to assess brain cell morphology by diffusion-weighted MR spectroscopy in vivo. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6671-6676. | 7.1 | 81 |
| 16 | The complex STATes of astrocyte reactivity: How are they controlled by the JAKâ€"STAT3 pathway?. Neuroscience, 2016, 330, 205-218. | 2.3 | 122 |
| 17 | Ciliary neurotrophic factor (CNTF) activation of astrocytes decreases spreading depolarization susceptibility and increases potassium clearance. Glia, 2015, 63, 91-103. | 4.9 | 24 |
| 18 | Elusive roles for reactive astrocytes in neurodegenerative diseases. Frontiers in Cellular Neuroscience, 2015, 9, 278. | 3.7 | 327 |

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|---|---|---|---|
| 19 | The Neuroprotective Agent CNTF Decreases Neuronal Metabolites in the Rat Striatum: An <i>in Vivo</i> Multimodal Magnetic Resonance Imaging Study. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 917-921. | 4.3 | 21 |
| 20 | The JAK/STAT3 Pathway Is a Common Inducer of Astrocyte Reactivity in Alzheimer's and Huntington's Diseases. Journal of Neuroscience, 2015, 35, 2817-2829. | 3.6 | 221 |
| 21 | System xCâˆ’ is a mediator of microglial function and its deletion slows symptoms in amyotrophic lateral sclerosis mice. Brain, 2015, 138, 53-68. | 7.6 | 85 |
| 22 | Imaging and monitoring astrocytes in health and disease. Frontiers in Cellular Neuroscience, 2014, 8, 74. | 3.7 | 3 |
| 23 | Connexin 30 sets synaptic strength by controlling astroglial synapse invasion. Nature Neuroscience, 2014, 17, 549-558. | 14.8 | 269 |
| 24 | Impaired Brain Energy Metabolism in the BACHD Mouse Model of Huntington's Disease: Critical Role of Astrocyteâ€“Neuron Interactions. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1500-1510. | 4.3 | 50 |
| 25 | Astroglial networking contributes to neurometabolic coupling. Frontiers in Neuroenergetics, 2013, 5, 4. | 5.3 | 44 |
| 26 | Lentiviral Vectors: A Powerful Tool to Target Astrocytes In Vivo. Current Drug Targets, 2013, 14, 1336-1346. | 2.1 | 20 |
| 27 | Reactive Astrocytes Overexpress TSPO and Are Detected by TSPO Positron Emission Tomography Imaging. Journal of Neuroscience, 2012, 32, 10809-10818. | 3.6 | 286 |
| 28 | Poly(ADP-ribose)polymerase-1 modulates microglial responses to amyloid Î². Journal of Neuroinflammation, 2011, 8, 152. | 7.2 | 87 |
| 29 | Nuclear Factor Erythroid 2-Related Factor 2 Facilitates Neuronal Glutathione Synthesis by Upregulating Neuronal Excitatory Amino Acid Transporter 3 Expression. Journal of Neuroscience, 2011, 31, 7392-7401. | 3.6 | 86 |
| 30 | The Nrf2 pathway as a potential therapeutic target for Huntington disease. Free Radical Biology and Medicine, 2010, 49, 144-146. | 2.9 | 8 |
| 31 | Ciliary Neurotrophic Factor Protects Striatal Neurons against Excitotoxicity by Enhancing Glial Glutamate Uptake. PLoS ONE, 2010, 5, e8550. | 2.5 | 38 |
| 32 | Normal Aging Modulates the Neurotoxicity of Mutant Huntingtin. PLoS ONE, 2009, 4, e4637. | 2.5 | 29 |
| 33 | Astrocyte cultures exhibit P2X7 receptor channel opening in the absence of exogenous ligands. Glia, 2009, 57, 622-633. | 4.9 | 52 |
| 34 | Targeted Activation of Astrocytes: A Potential Neuroprotective Strategy. Molecular Neurobiology, 2008, 38, 231-241. | 4.0 | 103 |
| 35 | Zinc Triggers Microglial Activation. Journal of Neuroscience, 2008, 28, 5827-5835. | 3.6 | 157 |
| 36 | Activation of Astrocytes by CNTF Induces Metabolic Plasticity and Increases Resistance to Metabolic Insults. Journal of Neuroscience, 2007, 27, 7094-7104. | 3.6 | 103 |

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|---|---|---|---|
| 37 | IGF-1 exacerbates the neurotoxicity of the mitochondrial inhibitor 3NP in rats. Neuroscience Letters, 2007, 425, 167-172. | 2.1 | 14 |
| 38 | Transplants of CNTF-producing Cells for the Treatment of Huntington's Disease. , 2007, , 385-398. | | 2 |
| 39 | Neuron?astrocyte interactions in the regulation of brain energy metabolism: a focus on NMR spectroscopy. Journal of Neurochemistry, 2006, 99, 393-401. | 3.9 | 51 |
| 40 | Brain mitochondrial defects amplify intracellular [Ca 2+ ] rise and neurodegeneration but not Ca 2+ entry during NMDA receptor activation. FASEB Journal, 2006, 20, 1021-1023. | 0.5 | 63 |
| 41 | Ciliary Neurotrophic Factor Activates Astrocytes, Redistributes Their Glutamate Transporters GLAST and GLT-1 to Raft Microdomains, and Improves Glutamate Handling In Vivo. Journal of Neuroscience, 2006, 26, 5978-5989. | 3.6 | 79 |
| 42 | Decreased metabolic response to visual stimulation in the superior colliculus of mice lacking the glial glutamate transporter GLT-1. European Journal of Neuroscience, 2005, 22, 1807-1811. | 2.6 | 19 |
| 43 | Insulin growth factor-1 protects against excitotoxicity in the rat striatum. NeuroReport, 2004, 15, 2251-2254. | 1.2 | 12 |
| 44 | In Vivo Calpain/Caspase Cross-talk during 3-Nitropropionic Acid-induced Striatal Degeneration. Journal of Biological Chemistry, 2003, 278, 43245-43253. | 3.4 | 116 |
| 45 | Calpain Is a Major Cell Death Effector in Selective Striatal Degeneration Induced<i>In Vivo</i>by 3-Nitropropionate: Implications for Huntington's Disease. Journal of Neuroscience, 2003, 23, 5020-5030. | 3.6 | 154 |
| 46 | Corticostriatopallidal Neuroprotection by Adenovirus-Mediated Ciliary Neurotrophic Factor Gene Transfer in a Rat Model of Progressive Striatal Degeneration. Journal of Neuroscience, 2002, 22, 4478-4486. | 3.6 | 84 |
| 47 | DEVEA: an interactive shiny application for Differential Expression analysis, data Visualization and Enrichment Analysis of transcriptomics data. F1000Research, 0, 11, 711. | 1.6 | 0 |