# Carola A Haas

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5756562/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 57 papers | 3,583 citations | 201674 27 h-index | 155660 55 g-index |
| 63 all docs | 63 docs citations | 63 times ranked | 4096 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Targeting gene-modified hematopoietic cells to the central nervous system: Use of green fluorescent protein uncovers microglial engraftment. Nature Medicine, 2001, 7, 1356-1361. | 30.7 | 567 |
| 2 | Reelin Deficiency and Displacement of Mature Neurons, But Not Neurogenesis, Underlie the Formation of Granule Cell Dispersion in the Epileptic Hippocampus. Journal of Neuroscience, 2006, 26, 4701-4713. | 3.6 | 295 |
| 3 | Astrocyte uncoupling as a cause of human temporal lobe epilepsy. Brain, 2015, 138, 1208-1222. | 7.6 | 257 |
| 4 | Role for Reelin in the Development of Granule Cell Dispersion in Temporal Lobe Epilepsy. Journal of Neuroscience, 2002, 22, 5797-5802. | 3.6 | 234 |
| 5 | Subcellular Localization of Metabotropic GABABReceptor Subunits GABAB1a/band GABAB2in the Rat Hippocampus. Journal of Neuroscience, 2003, 23, 11026-11035. | 3.6 | 215 |
| 6 | Reelin Controls Granule Cell Migration in the Dentate Gyrus by Acting on the Radial Glial Scaffold. Cerebral Cortex, 2003, 13, 634-640. | 2.9 | 185 |
| 7 | Increase in BDNF-mediated TrkB signaling promotes epileptogenesis in a mouse model of mesial temporal lobe epilepsy. Neurobiology of Disease, 2011, 42, 35-47. | 4.4 | 169 |
| 8 | Granule cell dispersion is not accompanied by enhanced neurogenesis in temporal lobe epilepsy patients. Experimental Neurology, 2007, 203, 320-332. | 4.1 | 112 |
| 9 | The chondroitin sulphate proteoglycan brevican is upregulated by astrocytes after entorhinal cortex lesions in adult rats. European Journal of Neuroscience, 2000, 12, 2547-2558. | 2.6 | 97 |
| 10 | Reelin deficiency causes granule cell dispersion in epilepsy. Experimental Brain Research, 2010, 200, 141-149. | 1.5 | 87 |
| 11 | Septotemporal Position in the Hippocampal Formation Determines Epileptic and Neurogenic Activity in Temporal Lobe Epilepsy. Cerebral Cortex, 2012, 22, 26-36. | 2.9 | 81 |
| 12 | Differential vulnerability of interneurons in the epileptic hippocampus. Frontiers in Cellular Neuroscience, 2013, 7, 167. | 3.7 | 78 |
| 13 | Mossy fiber sprouting and pyramidal cell dispersion in the hippocampal <scp>CA2</scp> region in a mouse model of temporal lobe epilepsy. Hippocampus, 2016, 26, 577-588. | 1.9 | 59 |
| 14 | Expression of CNTF/LIF-receptor components and activation of STAT3 signaling in axotomized facial motoneurons: Evidence for a sequential postlesional function of the cytokines. , 1999, 41, 559-571. | | 57 |
| 15 | Epileptiform activity interferes with proteolytic processing of Reelin required for dentate granule cell positioning. FASEB Journal, 2011, 25, 1002-1013. | 0.5 | 54 |
| 16 | Exogenous reelin prevents granule cell dispersion in experimental epilepsy. Experimental Neurology, 2009, 216, 390-397. | 4.1 | 51 |
| 17 | Synaptic Remodeling of Entorhinal Input Contributes to an Aberrant Hippocampal Network in Temporal Lobe Epilepsy. Cerebral Cortex, 2017, 27, 2348-2364. | 2.9 | 50 |
| 18 | Reorganization of the Rat Fascia Dentata after a Unilateral Entorhinal Cortex Lesion: Role of the Extracellular Matrix. Annals of the New York Academy of Sciences, 2000, 911, 207-220. | 3.8 | 48 |

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|---|---|---|---|
| 19 | NEGR1 and FGFR2 cooperatively regulate cortical development and core behaviours related to autism disorders in mice. Brain, 2018, 141, 2772-2794. | 7.6 | 45 |
| 20 | Epilepsy-Induced Motility of Differentiated Neurons. Cerebral Cortex, 2014, 24, 2130-2140. | 2.9 | 44 |
| 21 | Regulation of action potential delays via voltage-gated potassium Kv1.1 channels in dentate granule cells during hippocampal epilepsy. Frontiers in Cellular Neuroscience, 2013, 7, 248. | 3.7 | 42 |
| 22 | The Somatosensory Cortex ofreelerMutant Mice Shows Absent Layering But Intact Formation and Behavioral Activation of Columnar Somatotopic Maps. Journal of Neuroscience, 2010, 30, 15700-15709. | 3.6 | 41 |
| 23 | Early tissue damage and microstructural reorganization predict disease severity in experimental epilepsy. ELife, 2017, 6, . | 6.0 | 41 |
| 24 | Hippocampal low-frequency stimulation prevents seizure generation in a mouse model of mesial temporal lobe epilepsy. ELife, 2020, 9, . | 6.0 | 40 |
| 25 | Increased leak conductance in dentate gyrus granule cells of temporal lobe epilepsy patients with Ammonâ€™s horn sclerosis. Epilepsia, 2009, 50, 646-653. | 5.1 | 39 |
| 26 | Early life stress stimulates hippocampal reelin gene expression in a sexâ€specific manner: Evidence for corticosteroneâ€mediated action. Hippocampus, 2012, 22, 409-420. | 1.9 | 39 |
| 27 | Early Life Stress Differentially Modulates Distinct Forms of Brain Plasticity in Young and Adult Mice. PLoS ONE, 2012, 7, e46004. | 2.5 | 36 |
| 28 | Neuronal Growth and Behavioral Alterations in Mice Deficient for the Psychiatric Disease-Associated Negr1 Gene. Frontiers in Molecular Neuroscience, 2018, 11, 30. | 2.9 | 36 |
| 29 | TIMPâ€1 inhibits the proteolytic processing of Reelin in experimental epilepsy. FASEB Journal, 2013, 27, 2542-2552. | 0.5 | 35 |
| 30 | Seizure-Induced Motility of Differentiated Dentate Granule Cells Is Prevented by the Central Reelin Fragment. Frontiers in Cellular Neuroscience, 2016, 10, 183. | 3.7 | 34 |
| 31 | Altered theta coupling between medial entorhinal cortex and dentate gyrus in temporal lobe epilepsy. Epilepsia, 2012, 53, 1937-1947. | 5.1 | 29 |
| 32 | Position- and Time-Dependent Arc Expression Links Neuronal Activity to Synaptic Plasticity During Epileptogenesis. Frontiers in Cellular Neuroscience, 2018, 12, 244. | 3.7 | 25 |
| 33 | Region-specific activation of microglial cells in the rat septal complex following fimbria-fornix transection. Journal of Comparative Neurology, 1998, 390, 481-496. | 1.6 | 23 |
| 34 | Persistent Gliosis Interferes with Neurogenesis in Organotypic Hippocampal Slice Cultures. Frontiers in Cellular Neuroscience, 2016, 10, 131. | 3.7 | 23 |
| 35 | CNTF-mediated preactivation of astrocytes attenuates neuronal damage and epileptiform activity in experimental epilepsy. Experimental Neurology, 2012, 236, 141-150. | 4.1 | 22 |
| 36 | Experimental epilepsy affects <scp>N</scp>otch1 signalling and the stem cell pool in the dentate gyrus. European Journal of Neuroscience, 2012, 36, 3643-3652. | 2.6 | 21 |

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|---|---|---|---|
| 37 | Cultured astrocytes express functional receptors for galanin. , 1998, 24, 323-328. | | 20 |
| 38 | Disorganization of neocortical lamination in focal cortical dysplasia is brain-region dependent: evidence from layer-specific marker expression. Acta Neuropathologica Communications, 2013, 1, 47. | 5.2 | 20 |
| 39 | Theta frequency decreases throughout the hippocampal formation in a focal epilepsy model. Hippocampus, 2018, 28, 375-391. | 1.9 | 20 |
| 40 | Characterization of focal cortical dysplasia with balloon cells by layerâ€specific markers: Evidence for differential vulnerability of interneurons. Epilepsia, 2017, 58, 635-645. | 5.1 | 19 |
| 41 | Expression of brainâ€derived neurotrophic factor and structural plasticity in the dentate gyrus and <scp>CA</scp>2 region correlate with epileptiform activity. Epilepsia, 2019, 60, 1234-1247. | 5.1 | 18 |
| 42 | Mossy fiber sprouting into the hippocampal region <scp>CA2</scp> in patients with temporal lobe epilepsy. Hippocampus, 2021, 31, 580-592. | 1.9 | 18 |
| 43 | Whole Transcriptome Screening Reveals Myelination Deficits in Dysplastic Human Temporal Neocortex. Cerebral Cortex, 2017, 27, bhv346. | 2.9 | 16 |
| 44 | Calcium modeling of spine apparatus-containing human dendritic spines demonstrates an â€œall-or-nothingâ€•communication switch between the spine head and dendrite. PLoS Computational Biology, 2022, 18, e1010069. | 3.2 | 14 |
| 45 | Oligodendrocyte lineage and myelination are compromised in the gray matter of focal cortical dysplasia type IIa. Epilepsia, 2020, 61, 171-184. | 5.1 | 13 |
| 46 | Bursts with High and Low Load of Epileptiform Spikes Show Context-Dependent Correlations in Epileptic Mice. ENeuro, 2019, 6, ENEURO.0299-18.2019. | 1.9 | 13 |
| 47 | Role of NGF in axotomyâ€induced câ€JUN expressionin medial septal cholinergic neurons. International Journal of Developmental Neuroscience, 1998, 16, 691-703. | 1.6 | 12 |
| 48 | Quantitative synchrotron X-ray tomography of the material-tissue interface in rat cortex implanted with neural probes. Scientific Reports, 2019, 9, 7646. | 3.3 | 12 |
| 49 | Transcriptional characterization of the glial response due to chronic neural implantation of flexible microprobes. Biomaterials, 2021, 279, 121230. | 11.4 | 12 |
| 50 | Upâ€regulation of growthâ€associated protein 43 mRNA in rat medial septum neurons axotomized by fimbriaâ€fornix transection. European Journal of Neuroscience, 2000, 12, 4233-4242. | 2.6 | 11 |
| 51 | Increased Blood-Reelin-Levels in First Episode Schizophrenia. PLoS ONE, 2015, 10, e0134671. | 2.5 | 10 |
| 52 | Neurogenic Processes Are Induced by Very Short Periods of Voluntary Wheel-Running in Male Mice. Frontiers in Neuroscience, 2017, 11, 385. | 2.8 | 9 |
| 53 | Reelin Is Required for Maintenance of Granule Cell Lamination in the Healthy and Epileptic Hippocampus. Frontiers in Molecular Neuroscience, 2021, 14, 730811. | 2.9 | 9 |
| 54 | Long-term in vivo application of a potassium channel-based optogenetic silencer in the healthy and epileptic mouse hippocampus. BMC Biology, 2022, 20, 18. | 3.8 | 8 |

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|---|---|---|---|
| 55 | Histological Correlates of Diffusion-Weighted Magnetic Resonance Microscopy in a Mouse Model of Mesial Temporal Lobe Epilepsy. Frontiers in Neuroscience, 2020, 14, 543. | 2.8 | 7 |
| 56 | Adaptive Control of Sinusoidal Optogenetic Stimulation. , 2021, , . | | 2 |
| 57 | Revisiting brain stimulation in Parkinsonâ€™s disease. Science, 2021, 374, 153-154. | 12.6 | 2 |