Resource Summary Report

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Computerized Anatomical Reconstruction and Editing Toolkit

RRID:SCR_006260
Type: Tool

Proper Citation

Computerized Anatomical Reconstruction and Editing Toolkit (RRID:SCR_006260)

Resource Information

URL: http://brainvis.wustl.edu/wiki/index.php/Caret:About

Proper Citation: Computerized Anatomical Reconstruction and Editing Toolkit (RRID:SCR_006260)

Description: Software package to visualize and analyze structural and functional characteristics of cerebral and cerebellar cortex in humans, nonhuman primates, and rodents. Runs on Apple (Mac OSX), Linux, and Microsoft Windows operating systems.

Abbreviations: CARET

Synonyms: Computerized Anatomical Reconstruction Editing Toolkit

Resource Type: data processing software, data visualization software, image processing software, software application, software resource

Defining Citation: PMID:11522765

Keywords: reconstruction, visualization, cerebral cortex, surface, brain, dataset, cerebellar cortex, atlas application, mesh generation, quantitative shape analysis, segmentation, shape analysis, intersubject, image-to-template, gaussian curvature, mean curvature, animation, three dimensional display, two dimensional display, surface rendering, cortical flat map, FASEB list

Funding: NEI EY02091;
NIMH R01 MH60974

Availability: Free, Available for download, Freely available

Resource Name: Computerized Anatomical Reconstruction and Editing Toolkit

Resource ID: SCR_006260

Alternate IDs: nif-0000-00279

Alternate URLs: http://www.nitrc.org/projects/caret, https://sources.debian.org/src/caret/

License: GNU GPL

Record Creation Time: 20220129T080235+0000

Record Last Update: 20260905T132549+0000

Ratings and Alerts

No rating or validation information has been found for Computerized Anatomical Reconstruction and Editing Toolkit.

No alerts have been found for Computerized Anatomical Reconstruction and Editing Toolkit.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 59 mentions in open access literature.

Listed below are recent publications. The full list is available at Kravitz .

Sun Z, et al. (2026) Intrapartum caesarean delivery and childhood BMI trajectories in relation to the infant gut microbiome in the VDAART prospective birth cohort. EBioMedicine, 129, 106347.

Straathof M, et al. (2026) The effects of a second pregnancy on women's brain structure and function. Nature communications, 17(1), 1495.

McKim TH, et al. (2022) Reward Value Enhances Sequence Monitoring Ramping Dynamics as Ending Rewards Approach in the Rostrolateral Prefrontal Cortex. eNeuro, 9(2).

Hoekzema E, et al. (2022) Mapping the effects of pregnancy on resting state brain activity, white matter microstructure, neural metabolite concentrations and grey matter architecture. Nature communications, 13(1), 6931.

Wang J, et al. (2021) Mesoscopic physiological interactions in the human brain reveal small-world properties. Cell reports, 36(8), 109585.

Park KY, et al. (2020) Mapping language function with task-based vs. resting-state functional MRI. PloS one, 15(7), e0236423.

Wallace RJ, et al. (2019) A heritable subset of the core rumen microbiome dictates dairy cow productivity and emissions. Science advances, 5(7), eaav8391.

Rosa MGP, et al. (2019) Cortical Afferents of Area 10 in Cebus Monkeys: Implications for the Evolution of the Frontal Pole. Cerebral cortex (New York, N.Y. : 1991), 29(4), 1473.

Desrochers TM, et al. (2019) Sequential Control Underlies Robust Ramping Dynamics in the Rostrolateral Prefrontal Cortex. The Journal of neuroscience : the official journal of the Society for Neuroscience, 39(8), 1471.

Impieri D, et al. (2018) Thalamo-cortical projections to the macaque superior parietal lobule areas PEc and PE. The Journal of comparative neurology, 526(6), 1041.

Hirsch AJ, et al. (2018) Zika virus infection in pregnant rhesus macaques causes placental dysfunction and immunopathology. Nature communications, 9(1), 263.

Pehlivanova M, et al. (2018) Diminished Cortical Thickness Is Associated with Impulsive Choice in Adolescence. The Journal of neuroscience : the official journal of the Society for Neuroscience, 38(10), 2471.

Gagnepain P, et al. (2017) Parallel Regulation of Memory and Emotion Supports the Suppression of Intrusive Memories. The Journal of neuroscience : the official journal of the Society for Neuroscience, 37(27), 6423.

Marquardt K, et al. (2017) Following Eye Gaze Activates a Patch in the Posterior Temporal Cortex That Is not Part of the Human "Face Patch" System. eNeuro, 4(2).

Horn A, et al. (2017) Toward an electrophysiological "sweet spot" for deep brain stimulation in the subthalamic nucleus. Human brain mapping, 38(7), 3377.

Dotson NM, et al. (2017) A Large-Scale Semi-Chronic Microdrive Recording System for Non-Human Primates. Neuron, 96(4), 769.

Hodkinson DJ, et al. (2016) Cortico-Cortical Connections of Primary Sensory Areas and Associated Symptoms in Migraine. eNeuro, 3(6).

Mayer A, et al. (2016) Architectonic mapping of somatosensory areas involved in skilled forelimb movements and tool use. The Journal of comparative neurology, 524(7), 1399.

Ortiz-Ter??n L, et al. (2016) Brain Plasticity in Blind Subjects Centralizes Beyond the Modal Cortices. Frontiers in systems neuroscience, 10, 61.

Ihnen SK, et al. (2015) Separable roles for attentional control sub-systems in reading tasks: a combined behavioral and fMRI study. Cerebral cortex (New York, N.Y. : 1991), 25(5), 1198.