Resource Summary Report

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Spike2 Software

RRID:SCR_000903
Type: Tool

Proper Citation

Spike2 Software (RRID:SCR_000903)

Resource Information

URL: http://www.ced.co.uk/pru.shtml?spk7wglu.htm

Proper Citation: Spike2 Software (RRID:SCR_000903)

Description: THIS RESOURCE IS NO LONGER IN SERVICE.Documented on September 23,2022. A data acquisition and analysis software package for electrophysiology data. Spike2 software offers multi-channel continuous data acquisition and analysis with a multitude of options. This offers flexible usage from a simple chart recorder to complex applications requiring stimulus generation, data capture, scrolling or triggered displays, control of external equipment, and custom analysis. Spike2 software can be used in many fields such as electrophysiology, neurophysiology, cardiovascular and respiratory studies, sports science and pharmacology.

Synonyms: Spike 2 software Cambridge Electronic Device, Spike2

Resource Type: software resource

Keywords: electrophysiology, eeg, neurophysiology, cardiovascular, respiratory, sports science, pharmacology, data acquisition, stimulus generation, data capture, continuous

Funding:

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Spike2 Software

Resource ID: SCR_000903

Alternate IDs: nlx_156886, rid_000090

Record Creation Time: 20220129T080204+0000

Record Last Update: 20250214T182918+0000

Ratings and Alerts

No rating or validation information has been found for Spike2 Software.

No alerts have been found for Spike2 Software.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 202 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Mahrous AA, et al. (2025) Pharmacological blocking of spinal GABAA receptors in monkeys reduces sensory transmission to the spinal cord, thalamus, and cortex. Cell reports, 44(1), 115100.

Velasco E, et al. (2024) Ocular surface information seen from the somatosensory thalamus and cortex. The Journal of physiology, 602(7), 1405.

Ahmad M, et al. (2024) Coincident development and synchronization of sleep-dependent delta in the cortex and medulla. Current biology : CB, 34(12), 2570.

Gradwell MA, et al. (2024) Multimodal sensory control of motor performance by glycinergic interneurons of the mouse spinal cord deep dorsal horn. Neuron.

Harmon TC, et al. (2024) Vocalization modulates the mouse auditory cortex even in the absence of hearing. Cell reports, 43(8), 114611.

Zhu Y, et al. (2024) Acid-sensing ion channel 1 in nucleus tractus solitarii neurons contributes to the enhanced CO2-stimulated cardiorespiratory effect in spontaneously hypertensive rats. Life sciences, 351, 122853.

van der Heijden ME, et al. (2024) Cerebellar nuclei cells produce distinct pathogenic spike signatures in mouse models of ataxia, dystonia, and tremor. eLife, 12.

Li YD, et al. (2024) Anterior cingulate cortex projections to the dorsal medial striatum underlie insomnia associated with chronic pain. Neuron.

Koumoundourou A, et al. (2024) Regulation of hippocampal mossy fiber-CA3 synapse function by a Bcl11b/C1ql2/Nrxn3(25b+) pathway. eLife, 12.

Ducrocq GP, et al. (2024) Inhibition and potentiation of the exercise pressor reflex by pharmacological modulation of TRPC6 in male rats. The Journal of physiology.

Hadler MD, et al. (2024) Gamma oscillation plasticity is mediated via parvalbumin interneurons. Science advances, 10(5), eadj7427.

Feng J, et al. (2024) Monitoring norepinephrine release in vivo using next-generation GRABNE sensors. Neuron, 112(12), 1930.

Avvisati R, et al. (2024) Distributional coding of associative learning in discrete populations of midbrain dopamine neurons. Cell reports, 43(4), 114080.

Zaforas M, et al. (2024) Protocol for stimulating specific rodent limb receptive fields while recording in vivo somatosensory-evoked activity. STAR protocols, 5(2), 102972.

Kitamura I, et al. (2024) Stochastic electrical stimulation of the thoracic or cervical regions with surface electrodes facilitates swallow in rats. Frontiers in neurology, 15, 1390524.

Cobb-Lewis D, et al. (2024) The lateral habenula integrates age and experience to promote social transitions in developing rats. Cell reports, 43(8), 114556.

Avloniti M, et al. (2024) IKK? deletion from CNS macrophages increases neuronal excitability and accelerates the onset of EAE, while from peripheral macrophages reduces disease severity. Journal of neuroinflammation, 21(1), 34.

Wang Y, et al. (2024) Control of breathing by orexinergic signaling in the nucleus tractus solitarii. Scientific reports, 14(1), 7473.

Kellett DO, et al. (2024) Transcriptional response of the heart to vagus nerve stimulation. Physiological genomics, 56(2), 167.

Akerman S, et al. (2024) PACAP-38 related modulation of the cranial parasympathetic projection: A novel mechanism and therapeutic target in severe primary headache. British journal of pharmacology, 181(3), 480.