

Resource Summary Report

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CSIM

RRID:SCR_014256

Type: Tool

Proper Citation

CSIM (RRID:SCR_014256)

Resource Information

URL: <http://www.lsm.tugraz.at/csim/>

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Description: Software tool for simulating heterogeneous networks composed of different model neurons and synapses. CSIM simulates networks containing up to a few thousand neurons and up to the order of 1.000.000 synapses. It is capable of supporting different levels of modeling and has an object oriented design. A user manual is available on the site.

Synonyms: Circuit SIMulator, CSIM: A neural Circuit SIMulator

Resource Type: simulation software, software resource, software application

Keywords: simulation software, circuit simulator, heterogeneous network, object oriented design

Availability: Available for download

Resource Name: CSIM

Resource ID: SCR_014256

License: GNU General Public License

Record Creation Time: 20220129T080319+0000

Record Last Update: 20260803T040628+0000

Ratings and Alerts

No rating or validation information has been found for CSIM.

No alerts have been found for CSIM.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 10 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Posselt C, et al. (2024) Simulation of acquisition shifts in T2 weighted fluid-attenuated inversion recovery magnetic resonance images to stress test artificial intelligence segmentation networks. Journal of medical imaging (Bellingham, Wash.), 11(2), 024013.

Kassamali-Escobar Z, et al. (2024) Antimicrobial stewardship and quality improvement strategies in critical access hospitals: a process evaluation of an intensive quality improvement cohort. Antimicrobial stewardship & healthcare epidemiology : ASHE, 4(1), e201.

Ciarkowski CE, et al. (2024) Antimicrobial stewardship to reduce overtreatment of asymptomatic bacteriuria in critical access hospitals: measuring a quality improvement intervention. Infection control and hospital epidemiology, 46(2), 1.

Fan C, et al. (2023) A likelihood-based framework for demographic inference from genealogical trees. bioRxiv : the preprint server for biology.

Zhang X, et al. (2017) Familiarity Detection is an Intrinsic Property of Cortical Microcircuits with Bidirectional Synaptic Plasticity. eNeuro, 4(3).

J??hling F, et al. (2016) metilene: fast and sensitive calling of differentially methylated regions from bisulfite sequencing data. Genome research, 26(2), 256.

Card SE, et al. (2011) Determining specific competencies for General Internal Medicine residents (PGY 4 and PGY 5). What are they and are programs currently teaching them? A survey of practicing Canadian General Internists. BMC research notes, 4, 480.

Maass W, et al. (2007) Computational aspects of feedback in neural circuits. PLoS computational biology, 3(1), e165.

Hicks GA, et al. (1998) Ca²⁺-dependent inactivation of large conductance Ca²⁺-activated K⁺ (BK) channels in rat hippocampal neurones produced by pore block from an associated particle. The Journal of physiology, 508 (Pt 3)(Pt 3), 721.

Hirschberg B, et al. (1998) Gating of recombinant small-conductance Ca-activated K⁺ channels by calcium. The Journal of general physiology, 111(4), 565.