

Resource Summary Report

Generated by [RRID](#) on Aug 12, 2026

CUDAICA

RRID:SCR_015630

Type: Tool

Proper Citation

CUDAICA (RRID:SCR_015630)

Resource Information

URL: <http://github.com/fraimondo/cudaica>

Proper Citation: CUDAICA (RRID:SCR_015630)

Description: Software that implements Infomax ICA, which is an algorithm to perform Independent Component Analysis, in CUDA (a parallel computing platform and programming model).

Resource Type: source code, software resource

Defining Citation: [PMID:22811699](#)

Keywords: infomax ica, ica, independent component analysis, eeg

Availability: Free, Available for download

Resource Name: CUDAICA

Resource ID: SCR_015630

Old URLs: <https://liaa.dc.uba.ar/node/10>

License: GNU General Public License v3.0

License URLs: <https://github.com/fraimondo/cudaica/blob/master/LICENSE>

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260810T040627+0000

Ratings and Alerts

No rating or validation information has been found for CUDAICA.

No alerts have been found for CUDAICA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Weiss SA, et al. (2017) AR2, a novel automatic muscle artifact reduction software method for ictal EEG interpretation: Validation and comparison of performance with commercially available software. F1000Research, 6, 30.

Vlaar MP, et al. (2017) Quantification of task-dependent cortical activation evoked by robotic continuous wrist joint manipulation in chronic hemiparetic stroke. Journal of neuroengineering and rehabilitation, 14(1), 30.

Raimondo F, et al. (2012) CUDAICA: GPU optimization of Infomax-ICA EEG analysis. Computational intelligence and neuroscience, 2012, 206972.