

Resource Summary Report

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peak nii

RRID:SCR_002572

Type: Tool

Proper Citation

peak nii (RRID:SCR_002572)

Resource Information

URL: http://www.nitrc.org/projects/peak_nii/

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Description: Software toolbox for statistical image clustering, peak detection and data extraction developed to allow the user to have flexibility of clustering their data. Based on your threshold, it will cluster your data and find the peaks within each cluster. Additionally, it has been combined with a data extraction tool that allows one to extract the data from all the scans of the analysis from all the clusters, along with several other extraction options, with a single command.

Abbreviations: peak_nii

Synonyms: peak_nii: Statistical image clustering peak detection and data extraction, peak nii

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

Keywords: magnetic resonance, pet, spect

Availability: Personal License

Resource Name: peak nii

Resource ID: SCR_002572

Alternate IDs: nlx_155975

Record Creation Time: 20220129T080214+0000

Record Last Update: 20260731T042636+0000

Ratings and Alerts

No rating or validation information has been found for peak nii.

No alerts have been found for peak nii.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Wang WY, et al. (2025) Neurobiological and emotional impact of occupational stress in frontline police officers: a neuroimaging and neurochemical study. European journal of psychotraumatology, 16(1), 2572187.

Zimmerman B, et al. (2019) Functional Brain Changes During Mindfulness-Based Cognitive Therapy Associated With Tinnitus Severity. Frontiers in neuroscience, 13, 747.

Chen MH, et al. (2016) Association Between Autonomic Impairment and Structural Deficit in Parkinson Disease. Medicine, 95(11), e3086.

Cherodath S, et al. (2015) The influence of orthographic depth on reading networks in simultaneous biliterate children. Brain and language, 143, 42.

Alahmadi AA, et al. (2015) Differential involvement of cortical and cerebellar areas using dominant and nondominant hands: An fMRI study. Human brain mapping, 36(12), 5079.

Kerr DL, et al. (2012) Controllability modulates the anticipatory response in the human ventromedial prefrontal cortex. Frontiers in psychology, 3, 557.

van Holst RJ, et al. (2012) Interactions between affective and cognitive processing systems in problematic gamblers: a functional connectivity study. PloS one, 7(11), e49923.