

# Resource Summary Report

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## SurfStat

RRID:SCR\_007081

Type: Tool

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### Proper Citation

SurfStat (RRID:SCR\_007081)

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### Resource Information

**URL:** <http://www.math.mcgill.ca/keith/surfstat>

**Proper Citation:** SurfStat (RRID:SCR\_007081)

**Description:** A Matlab toolbox for the statistical analysis of univariate and multivariate surface data using linear mixed effects models and random field theory.

**Abbreviations:** SurfStat

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

**Keywords:** afni brik, analyze, linear, matlab, minc, modeling, magnetic resonance, nifti, os independent, regression, statistical operation, pet, random field theory

**Funding:**

**Availability:** Free

**Resource Name:** SurfStat

**Resource ID:** SCR\_007081

**Alternate IDs:** nlx\_156000

**Alternate URLs:** <http://www.nitrc.org/projects/surfstat>

**Record Creation Time:** 20220129T080239+0000

**Record Last Update:** 20250411T055135+0000

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## Ratings and Alerts

No rating or validation information has been found for SurfStat.

No alerts have been found for SurfStat.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 239 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Kang S, et al. (2025) White matter hyperintensities and cholinergic degeneration as Lewy body disease. *Annals of clinical and translational neurology*, 12(1), 97.

Moodie JE, et al. (2024) Brain maps of general cognitive function and spatial correlations with neurobiological cortical profiles. *bioRxiv : the preprint server for biology*.

Gunasekaran TI, et al. (2024) Genome-wide scan of Flortaucipir PET levels finds JARID2 associated with cerebral tau deposition. *medRxiv : the preprint server for health sciences*.

Xiao D, et al. (2024) Association of cortical morphology, white matter hyperintensity, and glymphatic function in frontotemporal dementia variants. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 20(9), 6045.

Kausel L, et al. (2024) Patients recovering from COVID-19 who presented with anosmia during their acute episode have behavioral, functional, and structural brain alterations. *Scientific reports*, 14(1), 19049.

Hardikar S, et al. (2024) Macro-scale patterns in functional connectivity associated with ongoing thought patterns and dispositional traits. *eLife*, 13.

Baranyi G, et al. (2024) Life-course neighbourhood deprivation and brain structure in older adults: the Lothian Birth Cohort 1936. *Molecular psychiatry*, 29(11), 3483.

Garcia-Saldivar P, et al. (2024) White matter structural bases for phase accuracy during tapping synchronization. *eLife*, 13.

Jin X, et al. (2024) Compensation or Preservation? Different Roles of Functional Lateralization in Speech Perception of Older Non-musicians and Musicians. *Neuroscience bulletin*, 40(12), 1843.

Lynch KM, et al. (2024) Spatiotemporal patterns of cortical microstructural maturation in

children and adolescents with diffusion MRI. *Human brain mapping*, 45(1), e26528.

?? Ö, et al. (2024) Gliovascular transcriptional perturbations in Alzheimer's disease reveal molecular mechanisms of blood brain barrier dysfunction. *Nature communications*, 15(1), 4758.

Seo F, et al. (2024) Changes in brain functional connectivity and muscle strength independent of elbow flexor atrophy following upper limb immobilization in young females. *Experimental physiology*, 109(9), 1557.

Takatani T, et al. (2024) Brain morphometric changes in children born as small for gestational age without catch up growth. *Frontiers in neuroscience*, 18, 1441563.

Timmermann C, et al. (2023) Human brain effects of DMT assessed via EEG-fMRI. *Proceedings of the National Academy of Sciences of the United States of America*, 120(13), e2218949120.

Lee YG, et al. (2023) Substantia nigral dopamine transporter uptake in dementia with Lewy bodies. *NPJ Parkinson's disease*, 9(1), 88.

Khundrakpam B, et al. (2023) A critical role of brain network architecture in a continuum model of autism spectrum disorders spanning from healthy individuals with genetic liability to individuals with ASD. *Molecular psychiatry*, 28(3), 1210.

Baik K, et al. (2023) Cortical Thickness and Brain Glucose Metabolism in Healthy Aging. *Journal of clinical neurology (Seoul, Korea)*, 19(2), 138.

Kim JP, et al. (2023) Circulating lipid profiles are associated with cross-sectional and longitudinal changes of central biomarkers for Alzheimer's disease. *medRxiv : the preprint server for health sciences*.

Kang K, et al. (2023) Distinct cerebral cortical perfusion patterns in idiopathic normal-pressure hydrocephalus. *Human brain mapping*, 44(1), 269.

Baik K, et al. (2023) Comparison Between 18F-Florapronol and 18F-Florbetaben Imaging in Patients With Cognitive Impairment. *Journal of clinical neurology (Seoul, Korea)*, 19(3), 260.