

Resource Summary Report

Generated by PRECISE-TBI on Sep 7, 2026

DSI Studio

RRID:SCR_009557

Type: Tool

Proper Citation

DSI Studio (RRID:SCR_009557)

Resource Information

URL: <http://dsi-studio.labsolver.org>

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Description: A software for diffusion MR images analysis. The provided functions include reconstruction (DTI, QBI, DSI, and GQI), deterministic fiber tracking, and 3D visualization. It has a window-based interface and operates on Microsoft Windows system.

Abbreviations: DSI Studio

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

Keywords: analyze, c++, console (text based), dicom, diffusion mr fiber tracking, diffusion spectrum, fiber tracking, image reconstruction, linux, microsoft, modeling, magnetic resonance, nifti, posix/unix-like, q-ball, quantification, super tensor, tensor metric, tractography, visualization, win32 (ms windows), windows, coregistration, analysis

Availability: BSD License

Resource Name: DSI Studio

Resource ID: SCR_009557

Alternate IDs: nlx_155737

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

Record Creation Time: 20220129T080253+0000

Record Last Update: 20260905T133045+0000

Ratings and Alerts

No rating or validation information has been found for DSI Studio.

No alerts have been found for DSI Studio.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 694 mentions in open access literature.

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

Franco P, et al. (2026) Beyond binary classification: a pilot study of imaging-derived glioma severity modeling using T1-weighted and diffusion MRI radiomics. *Magma* (New York, N.Y.).

Jiang Z, et al. (2026) Disengaging the Engine: Histone Deacetylases 1 and 2-Mediated Acetylation of Hexokinase-2 Regulates Energy Metabolism in Microglia Following Intracerebral Hemorrhage. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 13(14), e00194.

Zufiria-Gerbol??s B, et al. (2026) Similar minds age alike: an MRI similarity approach for predicting age-related cognitive decline. *npj aging*, 12(1).

Bramati I, et al. (2026) Diffusion MRI sampling schemes bias diffusion metrics and tractography. *Frontiers in neuroimaging*, 5, 1670604.

Stadlbauer A, et al. (2026) Machine-Learning-Based Survival Prediction in Glioblastoma Using Graph-Theoretical Analysis of Structural Network Alterations. *Cancers*, 18(7).

Luppi AI, et al. (2026) Convergent transcriptomic and connectomic controllers of information integration and its anaesthetic breakdown across mammalian brains. *Nature human behaviour*, 10(4), 777.

Kanahashi T, et al. (2026) Boundary Formation of the Human Caudal Foregut during the Early Fetal Period: Three-Dimensional Analysis Using T1-Weighted and Diffusion Tensor Images. *Cells, tissues, organs*, 215(2), 100.

De Meo E, et al. (2026) Disability profiles in progressive multiple sclerosis reflect pathology distribution, independent of clinical phenotype. *Brain communications*, 8(3), fcag162.

Wang X, et al. (2026) Neuroanatomical substrates of perivascular space index: a morphometric and tractography study. *Frontiers in psychiatry*, 17, 1848053.

Ornello R, et al. (2026) The potential role of sleep quality in the relationship between glymphatic function and migraine frequency: Insights from a cross-sectional study. *Headache*, 66(3), 576.

Riquelme PF, et al. (2026) Association of Fractional Anisotropy in White Matter Bundles with Plasma Biomarkers of Neurodegeneration and Glial Reactivity in Individuals with Cognitive Complaints without dementia. Research square.

de la Calle E, et al. (2026) Corpus Callosum Integrity Predicts Functional Outcomes in Acute Stroke: A Probabilistic Structural Connectivity Study. Journal of stroke, 28(1), 126.

Gong R, et al. (2026) Brain/MINDS Marmoset Brain Atlas 2.0: Population Cortical Parcellation With Multi-Modal Templates. Scientific data, 13(1), 274.

Martinez-Nunez AE, et al. (2026) Functional Connectivity to the Cerebellum and Resting-State Networks Predict Earlier Improvement of Dystonia Following Globus Pallidus Internus-Deep Brain Stimulation (GPi-DBS). Movement disorders : official journal of the Movement Disorder Society, 41(3), 719.

Wang D, et al. (2026) Deviation in development of dorsal association tracts during preadolescence links to concurrent and future cognitive performance and transdiagnostic psychopathology. Nature communications, 17(1).

Hatakeyama M, et al. (2026) Clinical and Radiological Features of Aphasia Caused by Brainstem Infarction: Two Case Reports. Cerebellum (London, England), 25(2).

Park JM, et al. (2026) Machine Learning-Based Prediction of Transition to Functional Upper Limb Recovery After Intensive Inpatient Rehabilitation in Early Subacute Stroke. Journal of clinical medicine, 15(10).

Revell AY, et al. (2026) White matter signals reflect information transmission between brain regions during seizures. Brain : a journal of neurology, 149(1), 77.

Shimizu T, et al. (2026) A voxel-based quantitative framework for analyzing the spatial redistribution and directionality of recurrence in glioblastoma. Journal of neuro-oncology, 177(1), 8.

Luppi AI, et al. (2026) Competitive interactions shape mammalian brain network dynamics and computation. Nature neuroscience, 29(4), 915.