Resource Summary Report

Generated by nidm-terms on Aug 27, 2026

GRatio for ImageJ

RRID:SCR_015580
Type: Tool

Proper Citation

GRatio for ImageJ (RRID:SCR_015580)

Resource Information

URL: http://gratio.efil.de/

Proper Citation: GRatio for ImageJ (RRID:SCR_015580)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on August 5,2026.ImageJ plugin that performs semiautomated analysis of randomly selected sets of nervous system fibers.

Synonyms: GRatio

Resource Type: data analysis software, data processing software, software application, software resource, source code

Keywords: myelin sheath, axon diameter, fiber diameter, g ratio, plugin

Related Condition: neurodegeneration

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: GRatio for ImageJ

Resource ID: SCR_015580

License: GLP3+

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260821T194022+0000

Ratings and Alerts

No rating or validation information has been found for GRatio for ImageJ.

No alerts have been found for GRatio for ImageJ.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 30 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Beirowski B, et al. (2026) Death receptor 6 does not regulate axon degeneration and Schwann cell injury responses during Wallerian degeneration. eLife, 14.

Clark RN, et al. (2026) Testing an inverse link between limbic alpha-synucleinopathy and myelin markers in mice and humans. NPJ Parkinson's disease, 12(1).

Tokarska N, et al. (2026) Acute Intermittent Hypoxia Exerts Beneficial Effects and Promotes Repair in Male Mice in the Experimental Autoimmune Encephalomyelitis Model of Multiple Sclerosis. Glia, 74(2), e70127.

Hasegawa H, et al. (2025) Therapeutic effects of conditioned medium of immortalized dental pulp stem cells from human exfoliated deciduous teeth against experimental autoimmune neuritis. Scientific reports, 15(1), 38554.

Mather ML, et al. (2025) Myelin Lipid Composition in the Central Nervous System Is Regionally Distinct and Requires Mechanistic Target of Rapamycin Signaling. Glia, 73(9), 1841.

Liénard C, et al. (2025) Disease mutation in gigaxonin-E3 ligase recapitulates giant axonal neuropathy in mice. Acta neuropathologica communications, 14(1), 20.

Beirowski B, et al. (2025) Death receptor 6 does not regulate axon degeneration and Schwann cell injury responses during Wallerian degeneration. bioRxiv : the preprint server for biology.

Aisenberg WH, et al. (2025) Direct microglia replacement reveals pathologic and therapeutic contributions of brain macrophages to a monogenic neurological disease. Immunity, 58(5), 1254.

Yoo K, et al. (2024) Muscle-resident mesenchymal progenitors sense and repair peripheral nerve injury via the GDNF-BDNF axis. eLife, 13.

Oost W, et al. (2023) Pathological ultrastructural alterations of myelinated axons in normal appearing white matter in progressive multiple sclerosis. Acta neuropathologica communications, 11(1), 100.

Kim HW, et al. (2023) Long-term tactile hypersensitivity after nerve crush injury in mice is characterized by the persistence of intact sensory axons. Pain, 164(10), 2327.

Takenaka T, et al. (2023) Glycolytic System in Axons Supplement Decreased ATP Levels after Axotomy of the Peripheral Nerve. eNeuro, 10(3).

Zainul Z, et al. (2022) Novel roles of phentolamine in protecting axon myelination, muscle atrophy, and functional recovery following nerve injury. Scientific reports, 12(1), 3344.

Ezaka M, et al. (2022) Oral Administration of Glutathione Trisulfide Increases Reactive Sulfur Levels in Dorsal Root Ganglion and Ameliorates Paclitaxel-Induced Peripheral Neuropathy in Mice. Antioxidants (Basel, Switzerland), 11(11).

Wang MJ, et al. (2022) Effects of delayed HIF-1? expression in astrocytes on myelination following hypoxia-ischaemia white matter injury in immature rats. Translational pediatrics, 11(1), 20.

Song W, et al. (2021) Jinmaitong ameliorates diabetes-induced peripheral neuropathy in rats through Wnt/?-catenin signaling pathway. Journal of ethnopharmacology, 266, 113461.

Malheiro A, et al. (2020) A three-dimensional biomimetic peripheral nerve model for drug testing and disease modelling. Biomaterials, 257, 120230.

Dietzmeyer N, et al. (2020) In Vivo and In Vitro Evaluation of a Novel Hyaluronic Acid-Laminin Hydrogel as Luminal Filler and Carrier System for Genetically Engineered Schwann Cells in Critical Gap Length Tubular Peripheral Nerve Graft in Rats. Cell transplantation, 29, 963689720910095.

Lee NC, et al. (2020) Ultrastructural and diffusion tensor imaging studies reveal axon abnormalities in Pompe disease mice. Scientific reports, 10(1), 20239.

Sele M, et al. (2019) Optimization of ultrastructural preservation of human brain for transmission electron microscopy after long post-mortem intervals. Acta neuropathologica communications, 7(1), 144.