

Resource Summary Report

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BoneJ

RRID:SCR_018166

Type: Tool

Proper Citation

BoneJ (RRID:SCR_018166)

Resource Information

URL: <http://bonej.org/>

Proper Citation: BoneJ (RRID:SCR_018166)

Description: Software plugin for bone image analysis in ImageJ. Used for standard bone measurements. Provides free, open source tools for trabecular geometry and whole bone shape analysis.

Synonyms: BoneJ2

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

Defining Citation: [PMID:20817052](#)

Keywords: Bone, image analysis, ImageJ, standard bone measurement, trabecular geometry, whole bone shape

Funding: UK Biotechnology and Biological Sciences Research Council

Availability: Free, Available for download, Freely available

Resource Name: BoneJ

Resource ID: SCR_018166

Record Creation Time: 20220129T080339+0000

Record Last Update: 20260821T194125+0000

Ratings and Alerts

No rating or validation information has been found for BoneJ.

No alerts have been found for BoneJ.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 14 mentions in open access literature.

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

David MA, et al. (2026) Demystifying machine learning approaches in digital bone imaging using microCT and HRpQCT. Bone reports, 29, 101911.

Mansour A, et al. (2025) Prolonged Impact of Bisphosphonates and Glucocorticoids on Bone Mechanical Properties. Pharmaceuticals (Basel, Switzerland), 18(2).

Adams GJ, et al. (2024) Predicting the Fracture Toughness of Human Cancellous Bone in Fractured Neck of Femur Patients Using Bone Volume and Micro-Architecture. Life (Basel, Switzerland), 14(4).

Xiao P, et al. (2024) Characterization of Trabecular Bone Microarchitecture and Mechanical Properties Using Bone Surface Curvature Distributions. Journal of functional biomaterials, 15(8).

Zhu D, et al. (2024) Systematic transcriptome profiling of hPSC-derived osteoblasts unveils CORIN's mastery in governing osteogenesis through CEBPD modulation. The Journal of biological chemistry, 300(8), 107494.

Herbst EC, et al. (2023) 3D profiling of mouse epiphyses across ages reveals new potential imaging biomarkers of early spontaneous osteoarthritis. Journal of anatomy, 242(6), 1037.

Xio Y, et al. (2023) YAP1 controls the N-cadherin-mediated tumor-stroma interaction in melanoma progression. Research square.

Domander R, et al. (2021) BoneJ2 - refactoring established research software. Wellcome open research, 6, 37.

Kang M, et al. (2020) MRI Visualization of Whole Brain Macro- and Microvascular Remodeling in a Rat Model of Ischemic Stroke: A Pilot Study. Scientific reports, 10(1), 4989.

Buser TJ, et al. (2020) The Natural Historian's Guide to the CT Galaxy: Step-by-Step Instructions for Preparing and Analyzing Computed Tomographic (CT) Data Using Cross-Platform, Open Access Software. Integrative organismal biology (Oxford, England), 2(1), obaa009.

Moittié S, et al. (2020) Discovery of os cordis in the cardiac skeleton of chimpanzees (Pan troglodytes). Scientific reports, 10(1), 9417.

Steiner L, et al. (2020) Comparison of different microCT-based morphology assessment tools using human trabecular bone. *Bone reports*, 12, 100261.

Liu T, et al. (2019) The β -catenin/YAP signaling axis is a key regulator of melanoma-associated fibroblasts. *Signal transduction and targeted therapy*, 4, 63.

Salmon PL, et al. (2015) Structure Model Index Does Not Measure Rods and Plates in Trabecular Bone. *Frontiers in endocrinology*, 6, 162.