

Resource Summary Report

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OpenSCAD

RRID:SCR_018870

Type: Tool

Proper Citation

OpenSCAD (RRID:SCR_018870)

Resource Information

URL: <https://www.openscad.org/>

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Description: Software tool for creating solid 3D CAD objects. Used for creating 3D models focusing on CAD aspects of 3D modeling of machine parts. Reads in script file that describes object and renders 3D model from this script file.

Synonyms: Solid 3D CAD Modeller

Resource Type: software application, software resource

Keywords: Creating solid 3D objects, CAD object, 3D CAD object, creating objects, creating 3D models, 3D modeling, machine part modeling

Availability: Free, Available for download, Freely available

Resource Name: OpenSCAD

Resource ID: SCR_018870

Alternate URLs: <https://github.com/openscad/openscad/>

Record Creation Time: 20220129T080342+0000

Record Last Update: 20260810T040718+0000

Ratings and Alerts

No rating or validation information has been found for OpenSCAD.

No alerts have been found for OpenSCAD.

Data and Source Information

Usage and Citation Metrics

We found 23 mentions in open access literature.

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

Bhupathi M, et al. (2026) MobileLAMP: A low-cost, portable incubation device for isothermal nucleic acid amplification. PloS one, 21(4), e0346874.

Tkachenko G, et al. (2026) Chirality-selective optical transport of nanoparticles in the evanescent field of a nanofibre. Nature communications, 17(1).

McNair MC, et al. (2024) Toward an open-source 3D-printable laboratory. Applications in plant sciences, 12(1), e11562.

Menzies JAC, et al. (2024) A microRNA that controls the emergence of embryonic movement. eLife, 13.

Tseng ZJ, et al. (2024) Relationship between tooth macrowear and jaw morphofunctional traits in representative hypercarnivores. PeerJ, 12, e18435.

Vijayan A, et al. (2023) Completely digitally fabricated custom functional finger prosthesis. Journal of Indian Prosthodontic Society, 23(2), 198.

Zhang R, et al. (2023) Three-Dimensional Printed Tooth Model with Root Canal Ledge: A Novel Educational Tool for Endodontic Training. Dentistry journal, 11(9).

Vadivel D, et al. (2022) Mostly 3D printed chemical synthesis robot. HardwareX, 11, e00310.

Memarian P, et al. (2022) Active Materials for 3D Printing in Small Animals: Current Modalities and Future Directions for Orthopedic Applications. International journal of molecular sciences, 23(3).

Wang D, et al. (2022) Adhesive Property of 3D-Printed PEEK Abutments: Effects of Surface Treatment and Temporary Crown Material on Shear Bond Strength. Journal of functional biomaterials, 13(4).

Suzuki A, et al. (2021) Flow estimation solely from image data through persistent homology analysis. Scientific reports, 11(1), 17948.

Dehmelt FA, et al. (2021) Spherical arena reveals optokinetic response tuning to stimulus location, size, and frequency across entire visual field of larval zebrafish. eLife, 10.

Edwards-Gayle CJC, et al. (2021) Design of a multipurpose sample cell holder for the Diamond Light Source high-throughput SAXS beamline B21. Journal of synchrotron radiation, 28(Pt 1), 318.

Kong L, et al. (2021) Application of 3D Printing-Assisted Articulating Spacer in Two-Stage Revision Surgery for Periprosthetic Infection after Total Knee Arthroplasty: A Retrospective Observational Study. *BioMed research international*, 2021, 3948638.

Wincott M, et al. (2021) Democratising "Microscopi": a 3D printed automated XYZT fluorescence imaging system for teaching, outreach and fieldwork. *Wellcome open research*, 6, 63.

Kessel B, et al. (2020) 3D Bioprinting of Macroporous Materials Based on Entangled Hydrogel Microstrands. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 7(18), 2001419.

Zhu J, et al. (2020) Transient Delay-Period Activity of Agranular Insular Cortex Controls Working Memory Maintenance in Learning Novel Tasks. *Neuron*, 105(5), 934.

Petsiuk A, et al. (2020) Partially RepRapable automated open source bag valve mask-based ventilator. *HardwareX*, 8, e00131.

Zhu KJ, et al. (2020) Reconfigurable 3D-Printed headplates for reproducible and rapid implantation of EEG, EMG and depth electrodes in mice. *Journal of neuroscience methods*, 333, 108566.

Zimmermann MJY, et al. (2020) LED Zappelin': An open source LED controller for arbitrary spectrum visual stimulation and optogenetics during 2-photon imaging. *HardwareX*, 8, e00127.