

Resource Summary Report

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Arduino IDE

RRID:SCR_024884

Type: Tool

Proper Citation

Arduino IDE (RRID:SCR_024884)

Resource Information

URL: <https://github.com/arduino/Arduino>

Proper Citation: Arduino IDE (RRID:SCR_024884)

Description: Open-source physical computing platform based on I/O board and development environment that implements the Processing/Wiring language. Arduino can be used to develop stand-alone interactive objects or can be connected to software on your computer.

Synonyms: , Arduino Integrated Development Environment, Arduino IDE 2.2., Arduino IDE 2.0, Arduino IDE 2.x, Arduino IDE 1.x

Resource Type: source code, software resource

Keywords: physical computing platform, develop stand-alone interactive objects, connected to software,

Funding:

Availability: Free, Available for download, Freely available

Resource Name: Arduino IDE

Resource ID: SCR_024884

Alternate URLs: <https://www.arduino.cc/en/software>, <https://github.com/arduino/arduino-ide?tab=readme-ov-file>, <https://docs.arduino.cc/software/ide/#ide-v2>

License: GNU GPL

Record Creation Time: 20240117T050246+0000

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Ratings and Alerts

No rating or validation information has been found for Arduino IDE .

No alerts have been found for Arduino IDE .

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Bidgoli MA, et al. (2025) Brain activity patterns reflecting security perceptions of female cyclists in virtual reality experiments. Scientific reports, 15(1), 761.

Mucha S, et al. (2025) A microcontroller-based system for flexible oxygen control in laboratory experiments. The Journal of experimental biology, 228(1).

Biagi R, et al. (2024) Development and machine learning-based calibration of low-cost multiparametric stations for the measurement of CO₂ and CH₄ in air. Heliyon, 10(9), e29772.

Sanz-Marco A, et al. (2024) Protocol for building and using a maximum power point output tracker for perovskite solar cells. STAR protocols, 5(4), 103394.

Ehichioya DE, et al. (2024) Protocol to study circadian food-anticipatory poking in mice using the feeding experimentation device version 3. STAR protocols, 5(2), 102935.

Sanfilippo F, et al. (2024) Open-source design of low-cost sensorised elastic actuators for collaborative prosthetics and orthotics. HardwareX, 19, e00564.

Goyenola G, et al. (2024) Ardulake temperature profiler: An open-source, low-cost, automated monitoring system to unravel the mixing behavior of lakes. HardwareX, 20, e00606.

Rabault J, et al. (2024) A position and wave spectra dataset of Marginal Ice Zone dynamics collected around Svalbard in 2022 and 2023. Scientific data, 11(1), 1417.

Martinez de Morentin PB, et al. (2024) A brainstem to hypothalamic arcuate nucleus

GABAergic circuit drives feeding. *Current biology : CB*.

Wu YL, et al. (2024) A novel small-animal locomotor activity recording device for biological clock research. *Animal models and experimental medicine*, 7(1), 71.

Sevcik MJ, et al. (2024) Dual feed progressive cavity pump extrusion system for functionally graded direct ink write 3D printing. *HardwareX*, 17, e00515.

Huang S, et al. (2024) An efficient low cost means of biophysical gene transfection in primary cells. *Scientific reports*, 14(1), 13179.

Berezhnoi D, et al. (2024) Open-source platform for kinematic analysis of mouse forelimb movement. *STAR protocols*, 5(3), 103140.

Keresteš O, et al. (2024) Open Meter Duo: Low-Cost Instrument for Fluorimetric Determination of Cholinesterase Activity. *Sensors (Basel, Switzerland)*, 24(6).

Rua E, et al. (2024) A low-cost, portable device for the study of the malaria parasite's growth inhibition via microwave exposure. *HardwareX*, 19, e00540.

Pearce RH, et al. (2024) Low-Cost Approach to an Instream Water Depth Sensor Construction Using Differential Pressure Sensors and Arduino Microcontrollers. *Sensors (Basel, Switzerland)*, 24(8).

Berezhnoi D, et al. (2024) Open-Source Platform for Kinematic Analysis of Mouse Forelimb Movement. *bioRxiv : the preprint server for biology*.

Liu Z, et al. (2024) Protocol for building a user-friendly temperature control system to support microscopes, microfluidic chambers, and custom incubators. *STAR protocols*, 5(1), 102862.

Ortiz-Juza MM, et al. (2024) Protocol for an open-source system to integrate calcium imaging, pupillometry, and locomotion-estimated tracking in head-fixed mice. *STAR protocols*, 5(4), 103331.

Zhu Z, et al. (2024) Performance errors during rodent learning reflect a dynamic choice strategy. *Current biology : CB*, 34(10), 2107.