

# Resource Summary Report

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## Time Series analyzer

RRID:SCR\_014269

Type: Tool

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### Proper Citation

Time Series analyzer (RRID:SCR\_014269)

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### Resource Information

**URL:** <http://rsb.info.nih.gov/ij/plugins/time-series.html>

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**Description:** An ImageJ plugin used for analyzing 2D time-lapse images or stacks. The plugin can be used to add a predefined ROI (Auto ROI) through mouse clicks. After selecting the object to be defined, an ROI is added on the image and in ROI Manager.

**Resource Type:** time-series analysis software, data analysis software, software application, software resource, data processing software

**Keywords:** plugin, imagej, 2d, time lapse image, time lapse stack, predefined roi, time series analysis software

**Availability:** Available for download, Free

**Resource Name:** Time Series analyzer

**Resource ID:** SCR\_014269

**Record Creation Time:** 20220129T080319+0000

**Record Last Update:** 20260801T190510+0000

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### Ratings and Alerts

No rating or validation information has been found for Time Series analyzer.

No alerts have been found for Time Series analyzer.

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### Data and Source Information

**Source:** [SciCrunch Registry](#)

## Usage and Citation Metrics

We found 36 mentions in open access literature.

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

Wang X, et al. (2025) The bridge-like lipid transport protein VPS13C/PARK23 mediates ER-lysosome contacts following lysosome damage. *Nature cell biology*, 27(5), 776.

Kumar M, et al. (2025) Triglycerides are an important fuel reserve for synapse function in the brain. *Nature metabolism*, 7(7), 1392.

Pulido C, et al. (2025) Neuromodulatory control of energy reserves in dopaminergic neurons. *Proceedings of the National Academy of Sciences of the United States of America*, 122(50), e2523019122.

Richhariya S, et al. (2025) Metabolic rewiring prevents neurodegeneration caused by chronic mitochondrial dysfunction. *Current biology : CB*, 35(22), 5443.

Durrieu L, et al. (2024) Protocol for FRAP-based estimation of nuclear import and export rates in single yeast cells. *STAR protocols*, 5(1), 102876.

Osman V, et al. (2023) Isoflurane Alters Presynaptic Endoplasmic Reticulum Calcium Dynamics in Wild-Type and Malignant Hyperthermia-Susceptible Rodent Hippocampal Neurons. *eNeuro*, 10(8).

Durrieu L, et al. (2023) Characterization of cell-to-cell variation in nuclear transport rates and identification of its sources. *iScience*, 26(1), 105906.

Aggarwal A, et al. (2023) Glutamate indicators with improved activation kinetics and localization for imaging synaptic transmission. *Nature methods*, 20(6), 925.

Han S, et al. (2023) Modulating and monitoring the functionality of corticostriatal circuits using an electrostimulable microfluidic device. *Molecular brain*, 16(1), 13.

Guevara-Garcia A, et al. (2022) Integrin-based adhesion compartmentalizes ALK3 of the BMPRII to control cell adhesion and migration. *The Journal of cell biology*, 221(12).

Panzer LC, et al. (2022) Activity-dependent endoplasmic reticulum Ca<sup>2+</sup> uptake depends on Kv2.1-mediated endoplasmic reticulum/plasma membrane junctions to promote synaptic transmission. *Proceedings of the National Academy of Sciences of the United States of America*, 119(30), e2117135119.

Pilch KS, et al. (2022) Involvement of Ca<sub>v</sub> 2.2 channels and  $\alpha_2\delta_1$  in homeostatic synaptic plasticity in cultured hippocampal neurons. *The Journal of physiology*, 600(24), 5333.

Imambocus BN, et al. (2022) A neuropeptidergic circuit gates selective escape behavior of *Drosophila* larvae. *Current biology : CB*, 32(1), 149.

Jiang ZJ, et al. (2021) TRPM7 is critical for short-term synaptic depression by regulating synaptic vesicle endocytosis. *eLife*, 10.

Ferrante D, et al. (2021) PRRT2 modulates presynaptic Ca<sup>2+</sup> influx by interacting with P/Q-type channels. *Cell reports*, 35(11), 109248.

Levin-Kravets O, et al. (2021) Split Chloramphenicol Acetyl-Transferase Assay Reveals Self-Ubiquitylation-Dependent Regulation of UBE3B. *Journal of molecular biology*, 433(23), 167276.

Füllbrunn N, et al. (2021) Nanoscopic anatomy of dynamic multi-protein complexes at membranes resolved by graphene-induced energy transfer. *eLife*, 10.

Ferron L, et al. (2020) FMRP regulates presynaptic localization of neuronal voltage gated calcium channels. *Neurobiology of disease*, 138, 104779.

Cho IH, et al. (2020) The potassium channel subunit Kv $\beta$ 1 serves as a major control point for synaptic facilitation. *Proceedings of the National Academy of Sciences of the United States of America*, 117(47), 29937.

Chitirala P, et al. (2020) Studying the biology of cytotoxic T lymphocytes in vivo with a fluorescent granzyme B-mTFP knock-in mouse. *eLife*, 9.