

# Resource Summary Report

Generated by [kravitz2](#) on Aug 1, 2026

## IGOR Pro

RRID:SCR\_000325

Type: Tool

---

### Proper Citation

IGOR Pro (RRID:SCR\_000325)

---

### Resource Information

**URL:** <http://www.wavemetrics.com/products/igorpro/igorpro.htm>

**Proper Citation:** IGOR Pro (RRID:SCR\_000325)

**Description:** Software used for visualizing and graphing data, image processing, and programming. It is designed for use by scientists and engineers and supports large data sets, evenly spaced data, and various data import formats. The software includes a suite of image processing operations for image filtering, manipulation, and quantification and is completely programmable.

**Synonyms:** Igor Pro - Technical graphing and data analysis, Igor Software

**Resource Type:** data visualization software, data analysis software, authoring tool, software application, software resource, data processing software

**Keywords:** commercial tool, electrophysiology, authoring tool, data visualization software, image processing, publication quality, interactive

**Availability:** Restricted

**Resource Name:** IGOR Pro

**Resource ID:** SCR\_000325

**Alternate IDs:** nlx\_156887, SCR\_014216

**Record Creation Time:** 20220129T080200+0000

**Record Last Update:** 20260801T042453+0000

---

### Ratings and Alerts

No rating or validation information has been found for IGOR Pro.

---

## Data and Source Information

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

---

## Usage and Citation Metrics

We found 661 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [kravitz2](#) .

Wang C, et al. (2026) Synaptic input variation enhances rate coding at the expense of temporal precision in cochlear nucleus neurons. PLoS biology, 24(1), e3003587.

Li J, et al. (2025) Dynamic redistribution of AMPA receptors toward memory-related neuronal ensembles in mice barrel cortex during sensory learning. Neuron.

Garcia JD, et al. (2025) Differential roles of NaV1.2 and NaV1.6 in neocortical pyramidal cell excitability. eLife, 14.

Kiraly JK, et al. (2025) Slit2/Robo1 signaling constrains image stabilization responses to preserve ethologically favorable directional asymmetry. Current biology : CB.

Ma Z, et al. (2025) A mechanism of CALHM1 ion channel gating. American journal of physiology. Cell physiology, 328(4), C1109.

Alexander RPD, et al. (2025) Delta opioid receptors engage multiple signaling cascades to differentially modulate prefrontal GABA release with input and target specificity. Cell reports, 44(2), 115293.

Tian J, et al. (2025) Gpr176 modulates the firing pattern of parvalbumin-positive interneurons in the orbitofrontal cortex of mouse. Molecular brain, 18(1), 81.

Oelschlegel AM, et al. (2025) Elevated calneuron-1, an accessory subunit of muscarinic receptors, induces frontotemporal dysconnectivity and schizophrenia-like deficits. Neuron.

Mongr??dien R, et al. (2025) Astrocytes Control Cocaine-Induced Synaptic Plasticity and Reward Through the Matricellular Protein Hevin. Biological psychiatry.

Palchadhuri S, et al. (2025) A posterior insula to lateral amygdala pathway transmits US-offset information with a limited role in fear learning. Cell reports, 44(2), 115320.

Degen R, et al. (2025) Ca<sup>2+</sup>-Activated Ion Channels Exert Opposite Effects in Different Signaling Compartments of Vomeronasal Sensory Neurons. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(16).

Druart M, et al. (2025) Cell-type-specific auditory responses in the striatum are shaped by feedforward inhibition. Cell reports, 44(1), 115090.

Kang M, et al. (2025) Cd99l2 regulates excitatory synapse development and restrains immediate-early gene activation. *Cell reports*, 44(1), 115155.

Hundsdoerfer L, et al. (2025) ERK activation waves coordinate mechanical cell competition leading to collective elimination via extrusion of bacterially infected cells. *Cell reports*, 44(1), 115193.

Grimes WN, et al. (2025) Layer-specific anatomical and physiological features of the retina's neurovascular unit. *Current biology : CB*, 35(1), 109.

Miedlar E, et al. (2025) Force transmission through the inner kinetochore is enhanced by centromeric DNA sequences. *eLife*, 14.

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.

Bye LJ, et al. (2025) Nicotinic Acetylcholine Receptor-Mediated Metabotropic Signalling in Human Microglia. *Journal of neurochemistry*, 169(11), e70295.

Verpoort B, et al. (2025) A postsynaptic GPR158-PLCXD2 complex controls spine apparatus abundance and dendritic spine maturation. *Developmental cell*.

Olivares E, et al. (2025) Neuronal and network resonance in the external globus pallidus. *Journal of neurophysiology*, 134(2), 794.