

Resource Summary Report

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[Andor iQ](#)

RRID:SCR_014461

Type: Tool

Proper Citation

Andor iQ (RRID:SCR_014461)

Resource Information

URL: <http://www.andor.com/scientific-software/iq-live-cell-imaging-software>

Proper Citation: Andor iQ (RRID:SCR_014461)

Description: A live cell imaging software that allows for control of iXon EMCCD and sCMOS cameras in synchronized combination with a number of additional imaging hardware devices. iQ can be used to run experiments to investigate dynamic processes in both single cells and multicellular systems, image fixed samples, and generate 3 dimensional image volumes for analysis.

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

Keywords: image acquisition and analysis, iXon, sCMOS, EMCCD, live cell, 3d image

Availability: Public

Resource Name: Andor iQ

Resource ID: SCR_014461

Record Creation Time: 20220129T080320+0000

Record Last Update: 20260912T195817+0000

Ratings and Alerts

No rating or validation information has been found for Andor iQ.

No alerts have been found for Andor iQ.

Data and Source Information

Usage and Citation Metrics

We found 255 mentions in open access literature.

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

Gao E, et al. (2026) A cytosolic IF1 reporter enables real-time visualization of severe mitochondrial membrane damage. *The Journal of cell biology*, 225(8).

Wu Y, et al. (2026) Dapansutride preserves pancreatic beta-cell function by regulating insulin vesicle membrane fusion and mitochondrial homeostasis. *Diabetes, obesity & metabolism*, 28(4), 3054.

Begley MA, et al. (2026) Mechanical Coupling With the Nuclear Envelope Shapes the *Schizosaccharomyces pombe* Mitotic Spindle. *Cytoskeleton (Hoboken, N.J.)*, 83(1), 40.

Kickuth A, et al. (2026) A mechanical ratchet drives unilateral cytokinesis. *Nature*, 650(8102), 759.

Simon G, et al. (2026) Stress-induced proteome remodeling at the Golgi-endosome interface. *Journal of cell science*, 139(9).

Li M, et al. (2026) Nucleolar migration regulates meiotic sex chromosome inactivation via phase separation during mammalian spermatogenesis. *Nature communications*, 17(1).

Musthafa T, et al. (2025) Altered Mitochondrial Bioenergetics and Calcium Kinetics in Young-Onset PLA2G6 Parkinson's Disease iPSCs. *Journal of neurochemistry*, 169(4), e70059.

D'Sa K, et al. (2025) Astrocytic RNA editing regulates the host immune response to alpha-synuclein. *Science advances*, 11(15), eadp8504.

Gupta N, et al. (2025) ANO1 channels are expressed in mouse urethral smooth muscle but do not contribute to agonist or neurally evoked contractions. *Scientific reports*, 15(1), 17365.

Wang Y, et al. (2025) Homeodomain protein PRRX1 anchors the Ku heterodimers at DNA double-strand breaks to promote nonhomologous end-joining. *Nucleic acids research*, 53(6).

Suzuki M, et al. (2025) Dynamic Remodeling of Mechano-Sensing Complexes in Suspended Fibroblast Cell-Sheets Under External Mechanical Stimulus. *Biotechnology and bioengineering*, 122(7), 1929.

Yan G, et al. (2025) Conformation-gated binding underlies kinetic asymmetry and negative cooperativity in ATP:cob(I)alamin adenosyltransferase. *Cell reports. Physical science*, 6(8).

Airich A, et al. (2025) Neuralized-like proteins differentially activate Notch ligands. *EMBO reports*, 26(23), 5756.

Reinders M, et al. (2025) ATXN3 regulates lysosome regeneration after damage by targeting K48-K63-branched ubiquitin chains. *The EMBO journal*, 44(18), 5086.

Hagemeier B, et al. (2025) The serine protease HTRA1 targets tau fibrils and provides a proteolytic barrier against pathogenic protein conformations. *The Journal of biological chemistry*, 301(10), 110729.

Godeau AL, et al. (2025) Traction force and mechanosensitivity mediate species-specific implantation patterns in human and mouse embryos. *Science advances*, 11(33), eadr5199.

Filipczak E, et al. (2025) *C. elegans* septins regulate a subset of sensory neuronal cilia via cell-non autonomous mechanisms in supporting glia. *bioRxiv : the preprint server for biology*.

Barber HM, et al. (2025) Radial astroglia cooperate with microglia to clear neuronal cell bodies during zebrafish optic tectum development. *Cell reports*, 44(11), 116509.

Lei P, et al. (2025) HLS1 interacts with ATG8 to negatively regulate the ABS3-mediated plant senescence pathway. *Cell reports*, 44(4), 115507.

Miyasaka A, et al. (2025) Sequential transitions of male sexual behaviors driven by dual acetylcholine-dopamine dynamics. *Neuron*, 113(8), 1240.