Resource Summary Report

Generated by kravitz2 on Sep 4, 2026

ASTER

RRID:SCR_010478
Type: Tool

Proper Citation

ASTER (RRID:SCR_010478)

Resource Information

URL: http://asterweb.jpl.nasa.gov/data.asp

Proper Citation: ASTER (RRID:SCR_010478)

Description: An imaging instrument onboard Terra, the flagship satellite of NASA"s Earth Observing System (EOS) that collects and archives data to create detailed maps of land surface temperature, reflectance, and elevation. The ASTER project is a collaboration between NASA and the Japanese government to develop a scientific understanding of the Earth.

Abbreviations: ASTER

Synonyms: ASTER - Advanced Spaceborne Thermal Emission and Reflection Radiometer, Advanced Spaceborne Thermal Emission and Reflection Radiometer, Advanced Spaceborne Thermal Emission and Reflection Radiometer (ASTER)

Resource Type: data or information resource, database

Keywords: climatology, cartography, earth sciences, map, topographical surveying, geospatial data, land surface temperature, reflectance, elevation, FASEB list

Resource Name: ASTER

Resource ID: SCR_010478

Alternate IDs: nlx_157751, r3d100011708

Record Creation Time: 20220129T080259+0000

Record Last Update: 20260904T000255+0000

Ratings and Alerts

No rating or validation information has been found for ASTER.

No alerts have been found for ASTER.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 211 mentions in open access literature.

Listed below are recent publications. The full list is available at kravitz2 .

Blanco-Bercial L, et al. (2026) MetaZooGene Intercalibration Experiment (MZG-ICE): Metabarcoding Marine Zooplankton Diversity of the Global Ocean. Molecular ecology resources, 26(1), e70090.

Mohanty LK, et al. (2026) Sequence of events that led to the South Lhonak lake outburst flood in Sikkim, India. Scientific reports, 16(1).

Khan K, et al. (2026) Evaluation of Environmental Factors Influencing Cutaneous Leishmaniasis and Importance of a Newly Designed Sand Fly (Diptera: Psychodidae) Sticky Traps. Journal of tropical medicine, 2026, 5517833.

Badr MM, et al. (2026) Integrated multispectral remote sensing and field investigations for delineating ophiolitic complexes of Wadi Ghadir southeastern desert Egypt. Scientific reports, 16(1), 798.

Liang Q, et al. (2026) A 30 m Multi-Year Dataset of Major Crop Distributions in Xinjiang, China (2013-2024) Based on Harmonized Landsat-Sentinel-2 Data. Scientific data, 13(1).

Cao Y, et al. (2026) Research on road parametric modeling and dynamic lightweighting methods driven by BIM-GIS integration. PloS one, 21(1), e0340062.

Abo Khashaba SM, et al. (2026) Integrated remote sensing and aeromagnetic datasets for mapping iron mineralization potential in the El-Bahariya depression in the Western Desert of Egypt. Scientific reports, 16(1).

Eldosouky AM, et al. (2026) Integration of geophysical and remote sensing data for structural analysis and delineation of gold, fluorite, and barite mineralization in the Dawi shear belt, Egypt. Scientific reports, 16(1).

Ernst AR, et al. (2025) Diverse Ecological Strategies Increase Invasion Resistance in an Experimental Grassland Restoration. Ecology and evolution, 15(6), e71575.

Hromada SJ, et al. (2025) Climate and Dispersal Ability Limit Future Habitats for Gila Monsters in the Mojave Desert. Ecology and evolution, 15(3), e71008.

Saber ES, et al. (2025) Fertile high-K magmatism and hydrothermal alteration zone associated with porphyry copper mineralization in Samra area, SE Sinai, Egypt. Scientific reports, 15(1), 44223.

Eldosouky AM, et al. (2025) Advanced integrated strategy for structural and mineralogical exploration of inaccessible regions employing remote sensing and multiscale analysis of aeromagnetic data. Scientific reports, 15(1), 31205.

Al Saud MM, et al. (2025) Characterization of paleodrainages in desert regions of Saudi Arabia multisatellite images with field based study. Scientific reports, 15(1), 4550.

Asgari M, et al. (2025) Aboveground net primary production spatio-temporal changes in the bioclimates of Alborz mountains based on multi-sensor satellite data. Scientific reports, 15(1), 23903.

Anshumali , et al. (2025) Impact of LULC changes on small watershed morphometry and delineation of sustainable conservation strategies for degraded transboundary rivers. Scientific reports, 15(1), 24063.

Fontaine FR, et al. (2025) Ongoing multiparameter unrest at the Montagne Pelée volcano on Martinique from 2019 to 2024. Scientific reports, 15(1), 23189.

Ali A, et al. (2025) Advanced satellite-based remote sensing and data analytics for precision water resource management and agricultural optimization. Scientific reports, 15(1), 27527.

Aftab S, et al. (2025) Acceleration towards clean energy with the emergence of promising signs of shallow geothermal resources in Northwestern Iran. Scientific reports, 15(1), 27594.

Scott AD, et al. (2025) Multiple Autopolyploid Arabidopsis lyrata Populations Stabilized by Long-Range Adaptive Introgression Across Eurasia. Molecular biology and evolution, 42(8).

Hegab MAE, et al. (2025) Gold exploration in the Gabal Abu Karahish area, Central Eastern Desert, Egypt: an integrated geological perspective. Scientific reports, 15(1), 19730.