Resource Summary Report

Generated by NIF on May 16, 2025

Argonne National Laboratory

RRID:SCR_011095
Type: Tool

Proper Citation

Argonne National Laboratory (RRID:SCR_011095)

Resource Information

URL: http://www.anl.gov/

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Description: For six decades, the U.S. Department of Energy"s (DOE"s) Argonne National Laboratory has excelled in conducting scientific research in support of a secure future for the nation. From Argonne"s inception, the University of Chicago has managed and operated the laboratorya laboratory that has become a scientific leader for DOE and the country. Achievements and honors earned by Argonne researchers include three Nobel Prizes, 90 R&D 100 awards, 700 national and international awards and honors, 750 patents and the start of over 30 small businesses. Argonne National Laboratory, one of the U.S. Department of Energy"s oldest and largest national laboratories for science and engineering research, employs roughly 3,200 employees, including about 1,000 scientists and engineers, three-quarters of whom hold doctoral degrees. Argonne"s mission is to apply a unique mix of world-class science, engineering and user facilities to deliver innovative research and technologies. We create new knowledge that addresses the most important scientific and societal needs of our nation. Research at Argonne centers around three principal areas: *Energy ** Energy Storage: Argonne develops transformational energy storage systems that enable and enhance electric-drive vehicles and a green-energy grid through electrical energy storage development, prototype and manufacturing process engineering, stationary storage and grid management, and electric transportation systems. ** Alternative Energy and Efficiency: Argonne is developing the next generation of alternative energy sources to promote energy independence through improved chemical fuels, advanced biofuels, and solar energy systems, as well as through the optimization of fuel and engine dynamics. ** Nuclear Energy: Argonne develops advanced reactor and fuel cycle systems including fast reactor and fuel cycle technologies, advanced modeling and simulation methods, and innovative nuclear energy systems to enable the safe and sustainable generation of nuclear energy. * Biological and Environmental Systems: Argonne produces integrated molecular-scale, hydrological, economic and social computational models to enable regionally focused ecological and

climate assessments through metagenome analysis, protein discovery, regional climate prediction and integrated climate, energy and economic discovery. * National Security: Argonne provides critical security technologies that prevent and mitigate events with potential for mass disruption or destruction through the nonproliferation and forensics of weapons of mass destruction, decision sciences, new sensors and materials, and cyber security.

Abbreviations: Argonne

Resource Type: institution

Funding:

Resource Name: Argonne National Laboratory

Resource ID: SCR_011095

Alternate IDs: nlx_55742, Crossref funder ID: 100006224, Wikidata: Q649120, ISNI: 0000 0001 1939 4845, grid.187073.a

Alternate URLs: https://ror.org/05gvnxz63

Record Creation Time: 20220129T080302+0000

Record Last Update: 20250420T014520+0000

Ratings and Alerts

No rating or validation information has been found for Argonne National Laboratory.

No alerts have been found for Argonne National Laboratory.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Harvey CW, et al. (2012) Interconnected cavernous structure of bacterial fruiting bodies. PLoS computational biology, 8(12), e1002850.