Resource Summary Report

Generated by RRID on Sep 10, 2026

ALADDIN

RRID:SCR_010476
Type: Tool

Proper Citation

ALADDIN (RRID:SCR_010476)

Resource Information

URL: http://www-amdis.iaea.org/ALADDIN/

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Description: Numerical database of atomic and molecular processes and particle-surface interactions. It has formatted data on atomic structure and spectra (energy levels,wave lengths, and transition probabilities); electron and heavy particle collisions with atoms, ions, and molecules (cross sections and/or rate coefficients, including, in most cases, analytic fit to the data); sputtering of surfaces by impact of main plasma constituents and self sputtering; particle reflection from surfaces; thermophysical and thermomechanical properties of beryllium and pyrolytic graphites.

Abbreviations: ALADDIN

Synonyms: ALADDIN Database, ALADDIN Numerical Database, ALADDIN (A Labelled Atomic Data INterface)

Resource Type: data or information resource, database

Keywords: atomic, molecular, collision, radiative, process, structure, particle-solid surface interaction, physico-chemical, thermo-mechanical, material, fusion energy, plasma, FASEB list

Resource Name: ALADDIN

Resource ID: SCR_010476

Alternate IDs: nlx_157749, r3d100010726

Record Creation Time: 20220129T080259+0000

Record Last Update: 20260905T133157+0000

Ratings and Alerts

No rating or validation information has been found for ALADDIN.

No alerts have been found for ALADDIN.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 89 mentions in open access literature.

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

Bai G, et al. (2026) LARS promotes osteosarcoma proliferation through leucine-dependent PRIM2 translation and DNA replication activation. Journal of experimental & clinical cancer research : CR, 45(1).

Chen X, et al. (2025) Pectin-Zein-IPA nanoparticles promote functional recovery and alleviate neuroinflammation after spinal cord injury. Journal of nanobiotechnology, 23(1), 152.

Deng J, et al. (2025) Characterization of Qu-aroma of medium-high temperature Daqu from different production areas using sensory evaluation, E-nose, and GC-MS/O analysis. Bioresources and bioprocessing, 12(1), 40.

Liu W, et al. (2025) Experimental Investigation on Thermal Performance Optimization of Na2HPO4·12H2O-Based Gel Phase Change Materials for Solar Greenhouse. Gels (Basel, Switzerland), 11(6).

Wang Y, et al. (2025) Achieving 20% Toluene-Processed Binary Organic Solar Cells via Secondary Regulation of Donor Aggregation in Sequential Processing. Nano-micro letters, 17(1), 206.

Zhao L, et al. (2025) Injectable double-crosslinked bone cement with enhanced bone adhesion and improved osteoporotic pathophysiological microenvironment for osteoregeneration in osteoporosis. Bioactive materials, 43, 441.

Yang Z, et al. (2025) Synergistic Electrocatalytic N2 Reduction over Asymmetric Heteronuclear Dual Ru-Fe Sites. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(48), e12218.

Zhou R, et al. (2025) Polytelluoxane as the ideal formulation for EUV photoresist. Science advances, 11(29), eadx1918.

Lin K, et al. (2025) Investigation of microwave, irradiation, low-temperature plasma on flavor changes of mango powder. Food chemistry: X, 27, 102479.

Guo Y, et al. (2025) Microwave Absorption Properties of Graphite Nanosheet/Carbon Nanofiber Hybrids Prepared by Intercalation Chemical Vapor Deposition. Nanomaterials

(Basel, Switzerland), 15(5).

Yao J, et al. (2025) Antifungal Polyacetylenic Deoxyglycosides Isolated from Endophytic Fungus Xylaria sp. VDL4 Associated with Vaccinium dunalianum. Journal of fungi (Basel, Switzerland), 11(3).

Cao DC, et al. (2025) Oxygen-Generating Biomimetic Nano-Herb System for Synergistic Therapy & Pain Relief in Triple-Negative Breast Cancer via HIF-1?/VEGF Pathway. International journal of nanomedicine, 20, 7113.

Li J, et al. (2025) Electrolyte/electrode interphase regulation with methylthiolation ionic liquids for high-voltage quasi-solid-state Li metal batteries. Science advances, 11(46), eadz5203.

Dou B, et al. (2025) A chemically modified DNAzyme-based electrochemical sensor for binary and highly sensitive detection of reactive oxygen species. Chemical science, 16(8), 3470.

Polspoel S, et al. (2025) Automatic development of speech-in-noise hearing tests using machine learning. Scientific reports, 15(1), 12878.

Wu R, et al. (2025) Norcantharidin inhibits TOP2A expression via H3K27me3 mediated epigenetic regulation to alleviate the progression of hepatocellular carcinoma. Frontiers in pharmacology, 16, 1541298.

Sheng D, et al. (2025) High-flux and anti-fouling membrane distillation membrane with VOC capture ability enabled by ZIF-8. Nature communications, 16(1), 8021.

Senthooran V, et al. (2024) Enhancing Mechanical and Thermal Properties of 3D-Printed Samples Using Mica-Epoxy Acrylate Resin Composites-Via Digital Light Processing (DLP). Polymers, 16(8).

He F, et al. (2024) In vitro conversion of ellagic acid to urolithin A by different gut microbiota of urolithin metabotype A. Applied microbiology and biotechnology, 108(1), 215.

Zhang H, et al. (2024) Additional kinetic energy harvesting with extra electrodes by single electrode droplet-based electricity generator (SE-DEG). Heliyon, 10(2), e24765.