

Resource Summary Report

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Thermodynamic Database for Nucleic Acids

RRID:SCR_007770

Type: Tool

Proper Citation

Thermodynamic Database for Nucleic Acids (RRID:SCR_007770)

Resource Information

URL: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC29845/>

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Description: NTDB is a database is a collection of thermodynamic and structural data, experimental methods, conditions and relevant literature citations on nucleic acids. This database is updated continuously. The thermodynamic data of interest can be searched by structural features, thermodynamic parameters, experimental methods and the use of citation. Tools relating to the thermodynamic properties of nucleic acids are also made available in this database and can be applied to predict thermal denaturation profiles, free energy, etc. Some related links are also available. Users are encouraged to deposit new thermodynamic data on nucleic acids to this database.

Synonyms: NTDB

Resource Type: data or information resource, database

Defining Citation: [PMID:11125100](#)

Resource Name: Thermodynamic Database for Nucleic Acids

Resource ID: SCR_007770

Alternate IDs: nif-0000-03204

Record Creation Time: 20220129T080243+0000

Record Last Update: 20260729T044155+0000

Ratings and Alerts

No rating or validation information has been found for Thermodynamic Database for Nucleic Acids.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 69 mentions in open access literature.

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

Flyer Z, et al. (2026) Pediatric Ocular Trauma: Not Just a Pediatric Trauma Center Problem. *Pediatric emergency care*, 42(1), 57.

Mpody C, et al. (2025) Racial and Ethnic Disparities in Use of Helicopter Transport After Severe Trauma in the US. *JAMA surgery*, 160(3), 313.

Deleon A, et al. (2025) Machine learning-based prediction of mortality in pediatric trauma patients. *Frontiers in pediatrics*, 13, 1522845.

Zhang X, et al. (2025) Implications of Pyrolytic Gas Dynamic Evolution on Dissolved Black Carbon Formed During Production of Biochar from Nitrogen-Rich Feedstock. *Environmental science & technology*, 59(5), 2699.

Fritz CL, et al. (2025) Helicopter EMS for scene response to head-injured patients: systematic review & meta-analysis. *BMC emergency medicine*, 25(1), 233.

Alnemare AK, et al. (2025) Comparative Analysis of Open and Closed Nasal Fractures in Trauma Settings: Mechanisms, Intent, Surgical Interventions, and Outcomes. *Craniofacial trauma & reconstruction*, 18(1), 9.

Osong B, et al. (2025) Development of clinical decision support for patients older than 65 years with fall-related TBI using artificial intelligence modeling. *PloS one*, 20(2), e0316462.

Bridges J, et al. (2025) Identification of predictive factors and development of a prediction model for rehabilitation facility discharge in patients with traumatic spinal cord injury: a retrospective analysis of the National Trauma Data Bank. *Journal of trauma and injury*, 38(3), 255.

Wang SH, et al. (2024) Evaluating the association between time to skin grafting for truncal burn patients and complications: a comparative cohort study using the National Trauma Data Bank. *International journal of surgery (London, England)*, 110(8), 4581.

Li Z, et al. (2024) Simulating Metal-Imidazole Complexes. *Journal of chemical theory and computation*, 20(15), 6706.

Bhatnagar NV, et al. (2024) Epidemiology of motor vehicle accident-associated ocular trauma. *International ophthalmology*, 44(1), 433.

Gorski JK, et al. (2024) Comparison of Vital Sign Cutoffs to Identify Children With Major Trauma. *JAMA network open*, 7(2), e2356472.

Solov'yov AV, et al. (2024) Condensed Matter Systems Exposed to Radiation: Multiscale Theory, Simulations, and Experiment. *Chemical reviews*, 124(13), 8014.

Zhang K, et al. (2024) Traumatic Brain Injury in Admitted Patients with Ocular Trauma. *Turkish journal of ophthalmology*, 54(4), 212.

Roche CS, et al. (2024) A Call for Help: A Retrospective National Study of Self-Inflicted Trauma Among American Indians and Alaskan Natives. *Cureus*, 16(2), e53624.

Mansour A, et al. (2024) Comparative Analysis of Clinical Severity and Outcomes in Penetrating Versus Blunt Traumatic Brain Injury Propensity Matched Cohorts. *Neurotrauma reports*, 5(1), 348.

Zwemer C, et al. (2023) Firearms-related injury and sex: a comparative National Trauma Database (NTDB) Study. *Trauma surgery & acute care open*, 8(1), e001181.

Tomas C, et al. (2023) Mechanisms of traumatic injury by demographic characteristics: an 8-year review of temporal trends from the National Trauma Data Bank. *Injury prevention : journal of the International Society for Child and Adolescent Injury Prevention*, 29(4), 347.

Hager M, et al. (2023) Breast Trauma: A United States-Based Epidemiological Study From 2016 to 2019. *Cureus*, 15(12), e50334.

Khadka S, et al. (2023) Opioid-related polysubstance use and its effect on mortality and health resource utilization among trauma patients. *Injury epidemiology*, 10(1), 54.