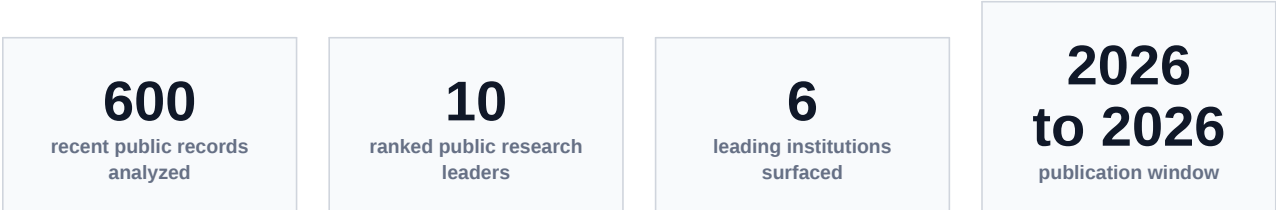


Graphene and 2D Materials Research Landscape

A cited research-leadership and momentum snapshot built from current public PubMed records.



Decision use

This packet shows the work Tensorust can deliver for a portfolio team, corporate strategy group, or therapeutic-area owner: a traceable starting point for research diligence, expert mapping, and topic monitoring. It is a real source-limited analysis, not a product mockup.

What the public record helps surface	What this packet does not claim
- Which researchers and institutions repeatedly appear in the current record - Which subtopics dominate the retrieved literature - Where research activity is visible by year - Which records should be opened first	- Investment, clinical, or commercial conclusions - Citation-weighted influence or person identity resolution - Complete coverage of every paper, trial, or company - A substitute for clinical, legal, or investment diligence

Source and method

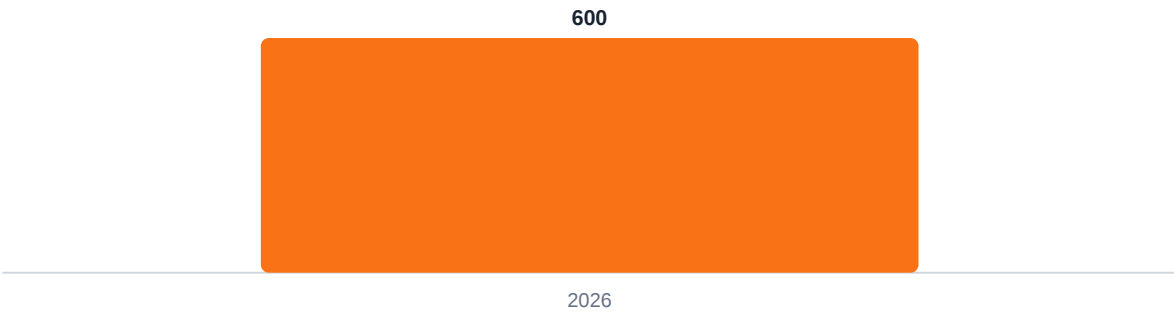
Query: **graphene OR two-dimensional materials OR 2D materials**. The packet analyzes 600 records published from 2026 through 2026 and retrieved from NLM PubMed. Every cited paper links to its PMID. Research leaders are ranked by recent publication volume in this retrieved set. Generated July 21, 2026.

Tensorust is built for cited, verifiable work from public data. Explore the live engine at tensorust-site.vercel.app.

Research momentum and leadership

Publication volume in the retrieved set is a discovery signal. It is not a measure of clinical authority, influence, or financial relevance.

Publication momentum



Top public research leaders

#	Researcher	Primary public affiliation	Papers
1	Watanabe Kenji	Research Center for Electronic and Optical Materials	12
2	Taniguchi Takashi	Research Center for Materials Nanoarchitectonics	12
3	Wang Lei	Qingdao University of Science and Technology	6
4	Li Tong	Anhui University of Chinese Medicine	4
5	Wang Yan	University of Cambridge	4
6	Wang Yi	Nanjing University of Science and Technology	4
7	Liu Chang	and Hunan Province Key Laboratory of Materials Surface & I	3
8	Zhou Yan	University of Science and Technology Beijing	3
9	Li Wei	Shandong University of Science and Technology	3
10	Yang Ying	Chongqing Jiaotong University	3

Method note: The full paid workflow adds citation weighting, ORCID-led name disambiguation, trial-investigator mapping, competitor filters, and a buyer-defined source scope.

Institution and topic landscape

The tables below are public-record discovery signals that help a team decide where to investigate further.

Leading institutions	Active indexed subtopics
Tsinghua University 13 records University of Science and Technology of China 10 records Research Center for Materials Nanoarchitectonics 10 records National University of Singapore 9 records University of California 9 records Research Center for Electronic and Optical Materials 9 records	Graphite 20 records Limit of Detection 6 records Biosensing Techniques 6 records Polymers 5 records Printing, Three-Dimensional 4 records Tissue Scaffolds 4 records Electrodes 4 records Metal Nanoparticles 4 records

How this scales for a diligence team

Current delivery	Expansion path
Cited research landscapes, KOL and research-leader maps, Counterfactual claim-evidence briefs, public-source PDFs, and a live topic preview.	Cross-source landscapes joining publications with grants, patents, trials, contracts, company activity, supply risk, and recurring monitoring or alerts.

Cited audit trail

Representative recent public records from the same query set. Each title links directly to the underlying PubMed record.

Cited public record	Why it appears
Giant nonlinear Hall effect in isospin symmetry broken bilayer graphene. PMID 42477005 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.
Machine learning-assisted performance prediction of graphene-silicon twin-port band-notched wideband antenna for THz 6G communicat PMID 42477000 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.
Microfluidic engineering of covalently stabilized dual polysaccharide- graphene oxide microgels for high-capacity adsorption of ca PMID 42476248 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.
Tailoring the Photophysical Properties of Meso-Tetra(4-sulfonatophenyl)porphyrin-Graphene Hybrids Through Surface Conjugation and PMID 42475711 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.
Large-Scale Single-Crystal Organic Semiconductor/Graphene Heterojunctions for High-Performance Phototransistor Arrays. PMID 42474303 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.
Navigating through Safe-and-Sustainable-by-Design (SSbD): Scoping Analysis with functionalized graphene oxide as a case study. PMID 42474238 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.
Molecular Insights into Structural, Dynamical, Thermomechanical, and Rheological Properties of Graphene-Reinforced Asphalt Binders PMID 42473850 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.
Dramatic Enhancement of Thermoelectric Performance in Two-Dimensional Materials Enabled by Nanoscroll Architecture. PMID 42473349 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.
Decade of Discovery: The Evolution and Future of Laser-Scribed Graphene for Integrated Energy and Sensing Systems. PMID 42473106 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.

Limits and review standard

The source set is a recent PubMed retrieval, not a systematic review. Records may be incomplete, author names can collide, affiliations may be abbreviated, and publication counts are not citation-weighted. The analysis should be reviewed with the underlying sources before any investment, clinical, legal, regulatory, or partnership decision.

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