

Solid-State Battery Materials Research Landscape

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

600

recent public records analyzed

10

ranked public research leaders

4

leading institutions surfaced

2025 to 2026

publication window

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

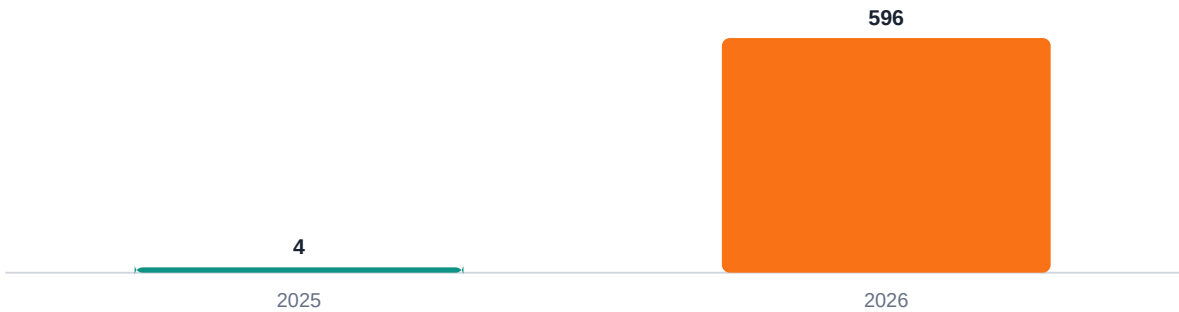
Query: **solid-state battery electrolyte**. The packet analyzes 600 records published from 2025 through 2026 and retrieved from NLM PubMed. Every cited paper links to its PMID. Research leaders are ranked by recent publication volume in this retrieved set. Generated July 21, 2026.

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	Sun Xueliang	Eastern Institute of Technology	18
2	Li Xiaona	Eastern Institute of Technology	11
3	Zhou Haoshen	College of Engineering and Applied Sciences	10
4	Xia Wei	Eastern Institute of Technology	10
5	Liang Jianwen	Foshan Key Laboratory of Advanced Electrochemical Function	9
6	Lv Wei	Tsinghua University	8
7	Wang Changhong	Eastern Institute of Technology	8
8	Shi Jiwei	Tsinghua University	7
9	Zhu Xiangzhen	Eastern Institute of Technology	7
10	Zhao Changtai	Foshan Key Laboratory of Advanced Electrochemical Function	7

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 28 records Eastern Institute of Technology 28 records Shanghai Jiao Tong University 21 records Beijing Institute of Technology 15 records	Electric Power Supplies 4 records Lithium 3 records Recycling 2 records Electrodes 2 records Oxides 2 records Manganese Compounds 2 records Oxidation-Reduction 1 records Iron 1 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
New High-Entropy Zirconium-Based Solid-State Electrolyte: Balancing High Conductivity and High Voltage. PMID 42478554 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.
Engineering ion migration and interface chemistry via covalent organic framework-enhanced polymer electrolytes for fast-charging s PMID 42476980 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.
Synergistic Electrolyte Solvation and Mediation Engineering for Quasi-Solid-State Sulfur Electrochemistry. PMID 42475628 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.
Bridging Large-Scale Manufacturability and Nanoscale Interfacial Chemistry in Lithium Metal Solid-State Batteries. PMID 42473954 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.
Degradable, yet fireproof: a highly safe polymer-based composite electrolyte enabled by a trace multifunctional additive for solid PMID 42473924 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.
Fluorinated Deep Eutectic Gel Electrolytes with Simultaneously Enhanced Mechanical Strength and Ionic Conductivity for Solid-State PMID 42470320 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.
Overcoming Interfacial Hurdles in Solid-State Aluminum Batteries for Safe and Energy-Dense Storage. PMID 42468003 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.
High Lithium Content and Site Disorder in the Transition Metal Oxide Argyrodites Li PMID 42465214 2026	On-topic recent public record in the query set. Open the PMID to inspect the underlying source.
Multirole Integrated Filler Design for Polymer-in-Salt Electrolytes Enables Long-Life, Safe Solid-State Lithium Batteries. PMID 42464500 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.

Prepared by Tensorust | cited, verifiable public-data intelligence