

Gain In-Depth Journal Insights and Find Peer Reviewers Easily with Scinapse

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Common Dilemmas Faced by Journal Editors

How can we boost our journal's impact factor?



Who should I ask to review this paper?

The Impact Factor Dilemma: Lack of Quantitative Insights

Current tools leave editors navigating Impact Factor management largely in the dark



Scarcity of Comprehensive Data

- Limited reference data beyond annual JCR reports
- JCR data lacks granularity for strategic planning



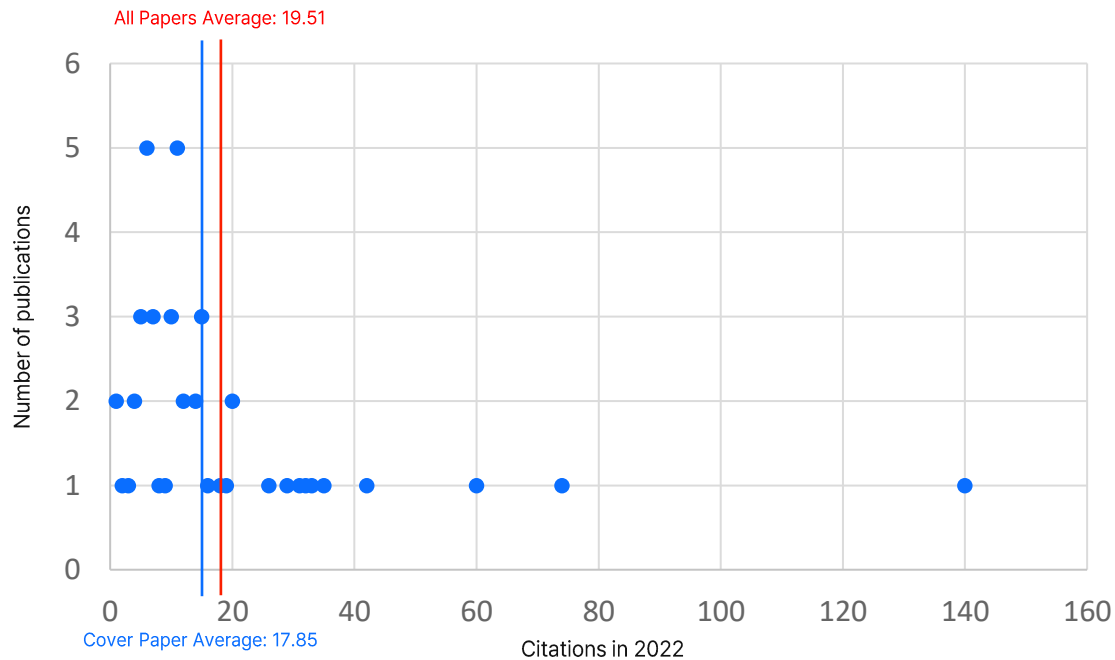
Reliance on Intuition

- Long-term impact of submitted papers
- Growth potential of specific research agendas
- Understanding competitors' publication strategies

How Much Can We Trust Our Intuition?

As research fields become more specialized, relying on intuition makes it increasingly difficult to achieve above-average results

- The graph on the right shows the **distribution of 2022 citations** for papers selected as **cover articles in Advanced Materials in 2021**.
- The average citation count in 2022 for **all Advanced Materials papers** published during the same period was **19.51**, while **for cover articles** it was **17.85**.
- **Approximately 75% of the cover articles received fewer citations** than the average citation count."



Data-Driven Insights: Empowering Journal Strategies with Scinapse

Scinapse's journal analysis data provides various insights to help build strategies for increasing journal impact factor

Journal Analytics in Scinapse

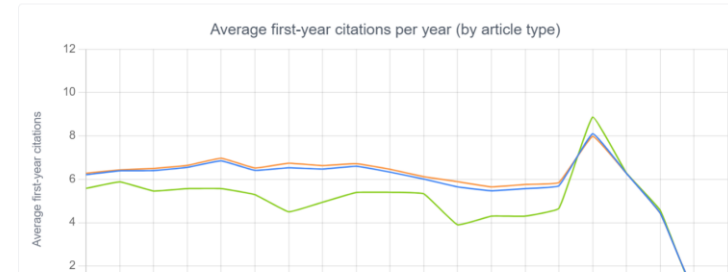
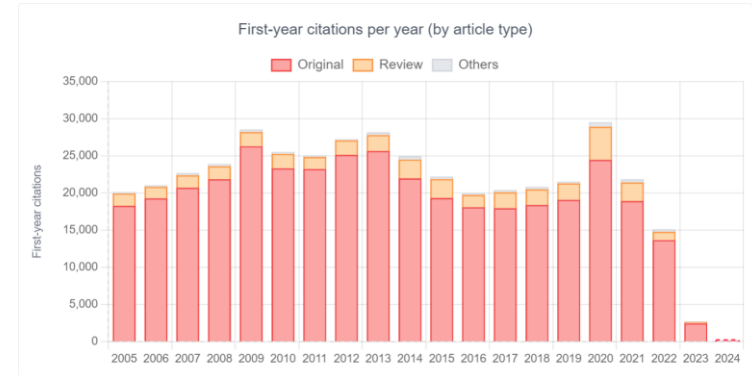
- Quality metrics by article type
- Leading-edge research agenda in the journal
- Top institutions, authors, and countries publishing in the journal
- Top institutions, journals, and countries citing articles from the journal



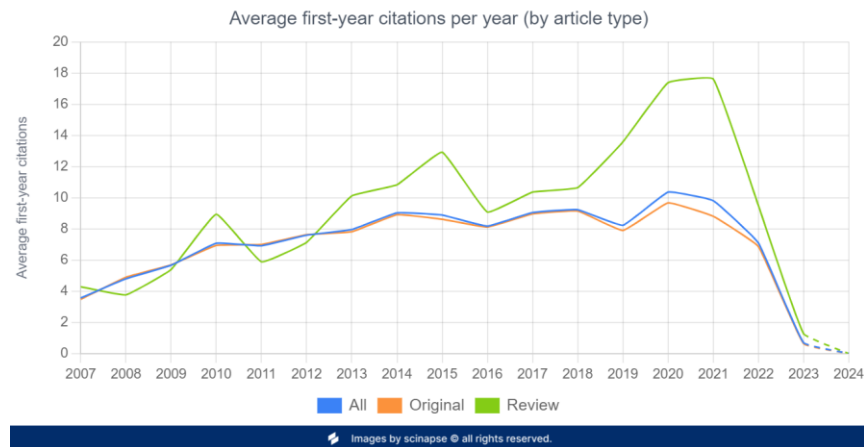
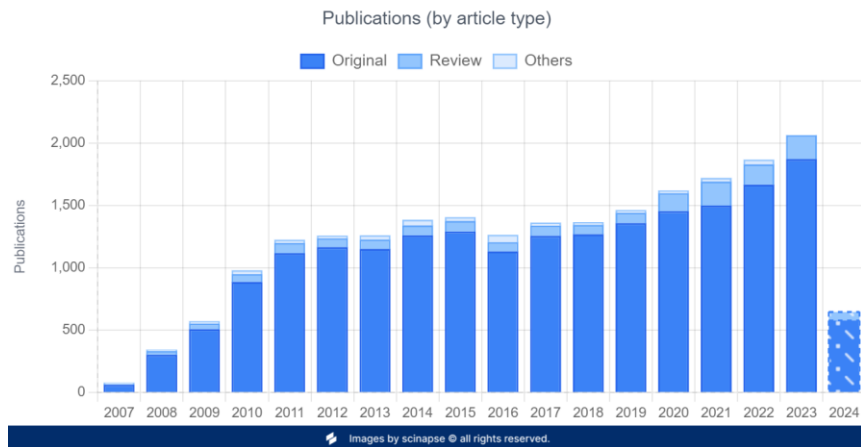
Examining and emulating publication strategies of leading journals
Reviewing in-depth analysis of journal and refining strategy

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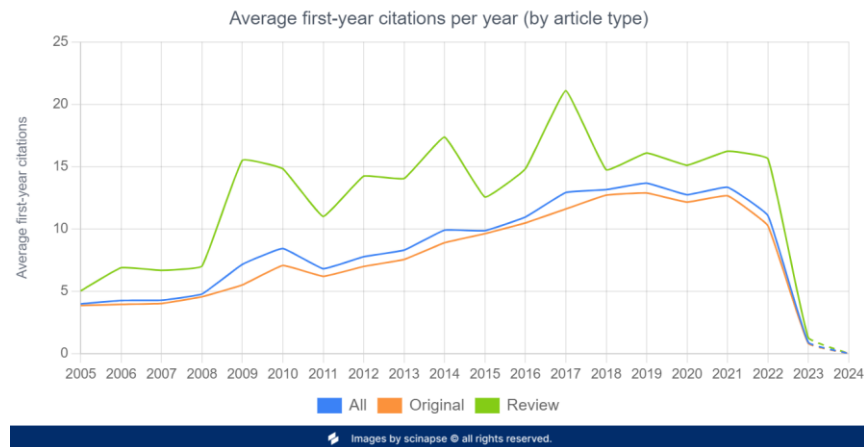
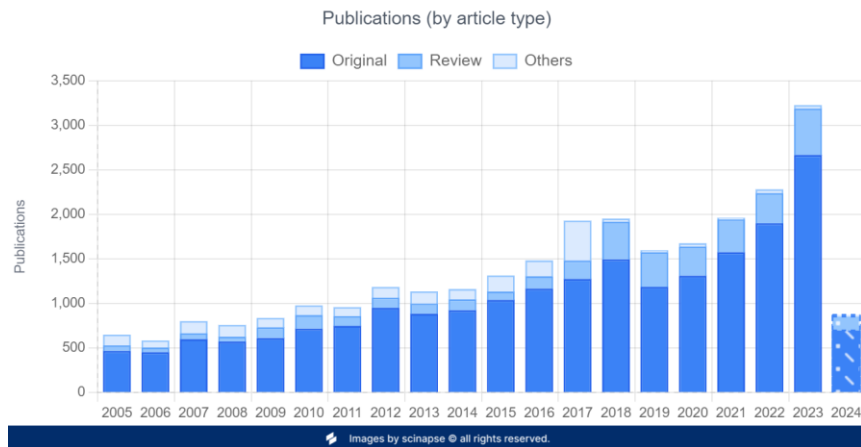
First-Year Citation Trends Pro



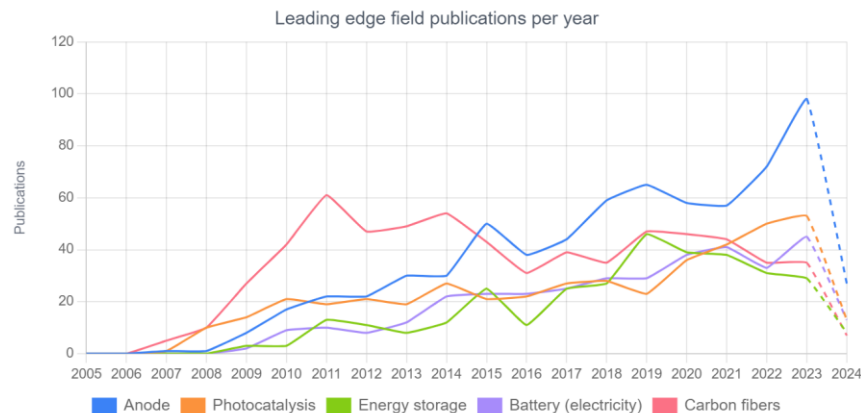
Scinapse Journal Analytics Example: ACS Nano



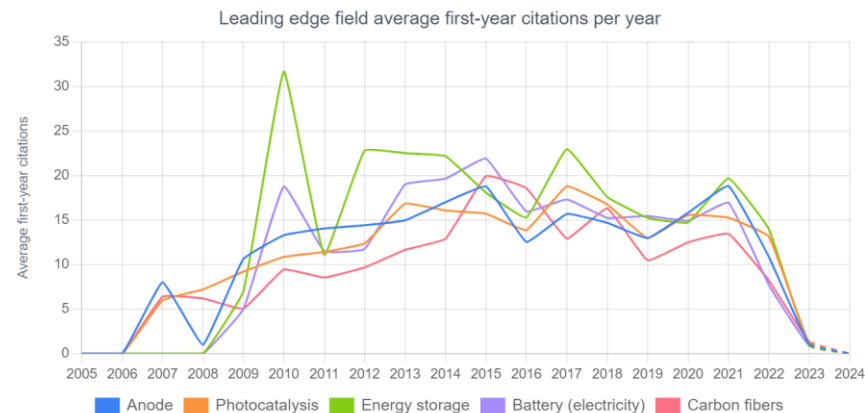
Scinapse Journal Analytics Example: Advanced Materials



Scinapse Journal Analytics Example: ACS Nano

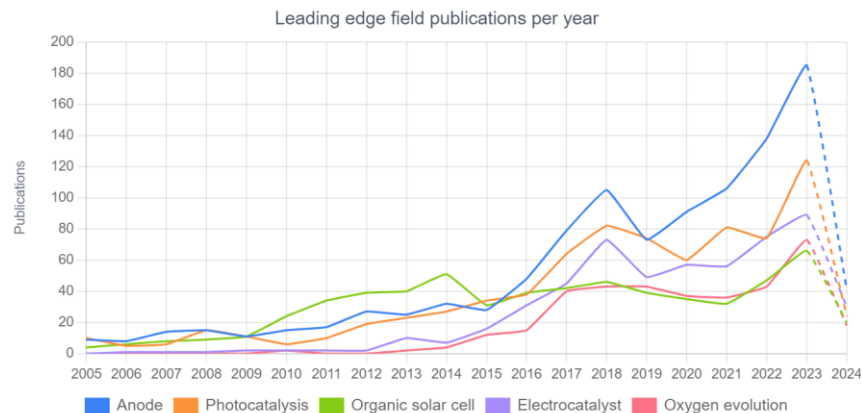


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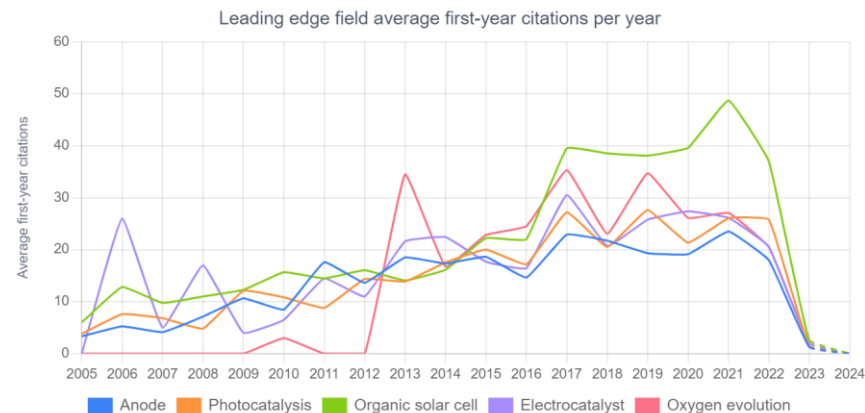


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Scinapse Journal Analytics Example: Advanced Materials



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Scinapse Analytics Example: Top papers

ACS Nano

Top 10 Papers by First-Year Citations Per Year Pro

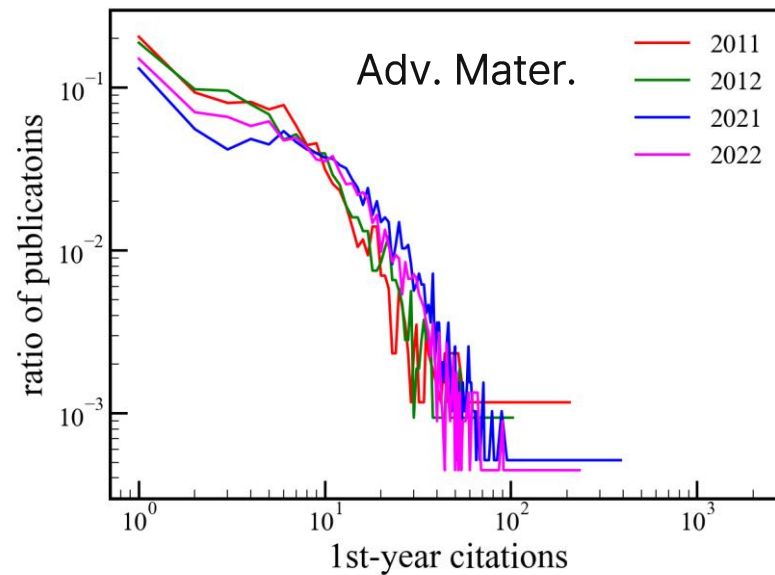
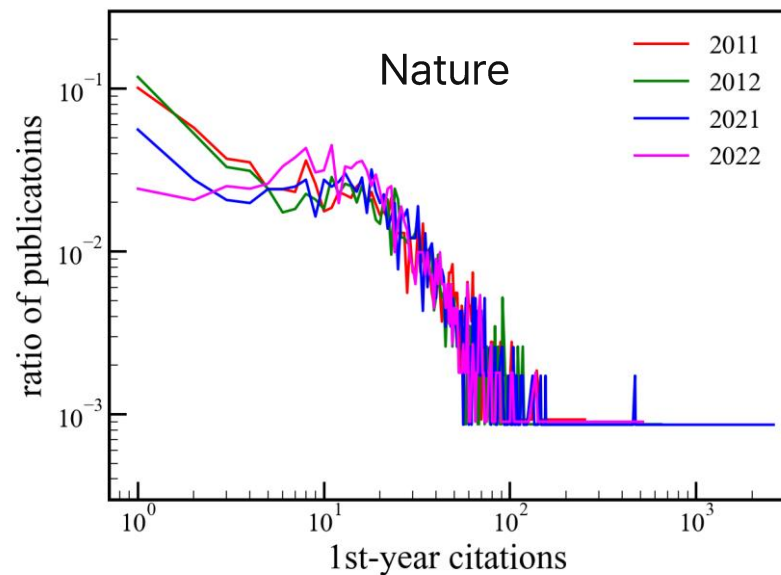
2020 Expand				
Title ↕	First-year citations ↕	Citations ↕	Published Date ↕	
Diagnosing COVID-19: The Disease and Tools for Detection	438	1,113	Mar 30, 2020	
Rapid Detection of COVID-19 Causative Virus (SARS-CoV-2) in Human Nasopharyngeal Swab Specimens Using Field-Effect Transistor-Based Biosensor	307	1,115	Apr 15, 2020	
Aerosol Filtration Efficiency of Common Fabrics Used in Respiratory Cloth Masks	220	569	Apr 24, 2020	
Dual-Functional Plasmonic Photothermal Biosensors for Highly Accurate Severe Acute Respiratory Syndrome Coronavirus 2 Detection	216	689	Apr 13, 2020	
Selective Naked-Eye Detection of SARS-CoV-2 Mediated by N Gene Targeted Antisense Oligonucleotide Capped Plasmonic Nanoparticles	142	485	May 21, 2020	
Toward Nanotechnology-Enabled Approaches against the COVID-19 Pandemic	130	368	Jun 10, 2020	
Computational Design of ACE2-Based Peptide Inhibitors of SARS-CoV-2	114	271	Apr 14, 2020	
Can N95 Respirators Be Reused after Disinfection? How Many Times?	103	287	May 5, 2020	
COVID-19 Vaccine Frontrunners and Their Nanotechnology Design	88	230	Oct 9, 2020	

Advanced Materials

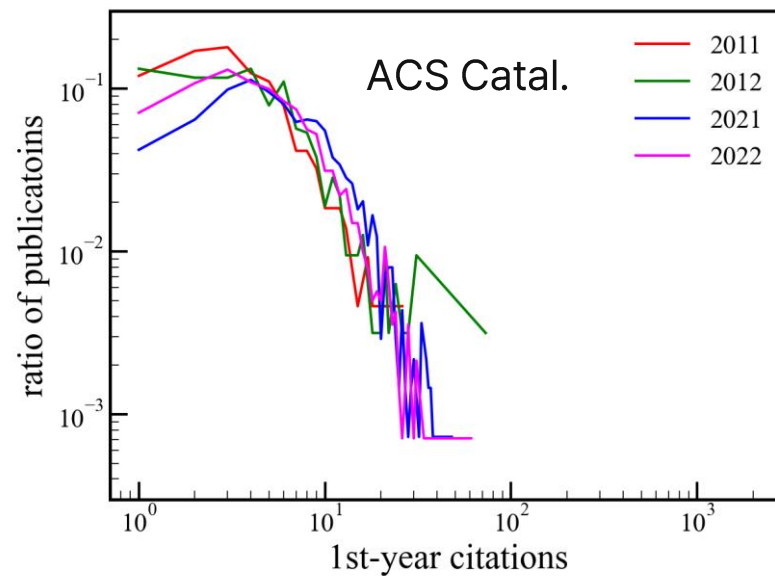
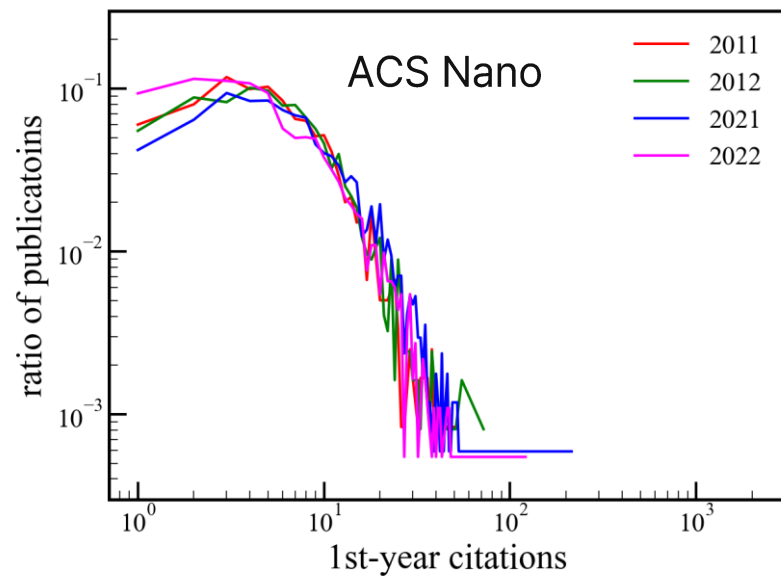
Top 10 Papers by First-Year Citations Per Year Pro

2020 Expand				
Title ↕	First-year citations ↕	Citations ↕	Published Date ↕	
Single-Junction Organic Photovoltaic Cells with Approaching 18% Efficiency	367	1,226	Mar 29, 2020	
Graphdiyne Derivative as Multifunctional Solid Additive in Binary Organic Solar Cells with 17.3% Efficiency and High Reproducibility	138	283	Feb 5, 2020	
Identifying the Origin of Ti^{3+} Activity toward Enhanced Electrocatalytic N_2 Reduction over TiO_2 Nanoparticles Modulated by Mixed-Valent Copper	92	234	Jun 21, 2020	
Electronic Metal-Support Interaction of Single-Atom Catalysts and Applications in Electrocatalysis	89	344	Oct 30, 2020	
An In-Depth Study of Zn Metal Surface Chemistry for Advanced Aqueous Zn-Ion Batteries	84	540	Jul 8, 2020	
Dendrites in Zn-Based Batteries	82	439	Oct 26, 2020	
Asymmetric Electron Acceptors for High-Efficiency and Low-Energy-Loss Organic Photovoltaics	78	214	May 11, 2020	
Defect Engineering on Electrode Materials for Rechargeable Batteries	75	421	Jan 13, 2020	
Coexisting Single-Atomic Fe and Ni Sites on Hierarchically Ordered Porous Carbon as a Highly Efficient ORR	75	320	Sep 16, 2020	

Scinapse Analytics Example: Citation Distribution



Scinapse Analytics Example: Citation Distribution



The Peer Reviewer Dilemma in an Era of Hyper-Specialization

Hyper-specialization in research creates a dilemma for editors: finding true experts while avoiding conflicts of interest, challenging the integrity of peer review



Finding True Experts

- Research fields are becoming increasingly specialized
- Editors struggle to identify genuine experts in niche areas
- Limited personal knowledge can't cover all emerging subfields
- Risk of selecting reviewers with only tangential expertise



Avoiding Conflicts and Bias

- Small pools of specialists increase the risk of conflicts of interest
- Interconnected research communities make impartiality challenging

Scinapse Expert Finder: Simplifying Peer Reviewer Discovery

Scinapse's Expert Finder is a powerful tool that revolutionizes the way you identify and connect with leading experts in a specific research area

- **Expertise-Based Identification**

- Assesses researcher's influence within specific fields
- Utilizes impact metrics for precise expert identification

- **Direct Involvement Analysis**

- Identifies experts based on their roles as corresponding authors
- Focuses on researchers with hands-on experience in the field

- **Comprehensive Researcher Filtering**

- Leverages data on country, institution, and research career
- Helps find reviewers more likely to accept review invitations

The screenshot displays the Scinapse Expert Finder interface. On the left, a sidebar contains filters for Research Field (Biogenesis, Biogenesis), Is Active Researcher (Yes), Affiliation (Harvard University, University of Cambridge), Country (United States of America, Korea, Republic of), h-index (0 to 350+), Publication Count (0 to 10k+), and Personal Impact Factor (0 to 1000+). The main panel shows a search for 100 experts. Below this, four expert profiles are displayed:

- Randy Schekman** (University of California, Berkeley): 375 Publications, 43.3k Citations, 118 h-index, 1.8 Personal IF, 28 Domain h-index. Research fields: COPB, COP, Sec61, Secretory pathway.
- Nikolaus Pfanner** (University of Freiburg): 327 Publications, 35k Citations, 112 h-index, 8.2 Personal IF. Research fields: Mitochondrial intermembrane space, Translocase of the outer membrane, Translocase of the inner membrane.
- Scott D. Emr** (Cornell University): 283 Publications, 48.1k Citations, 122 h-index, 0.94 Personal IF, 24 Domain h-index. Research fields: Protein targeting, Endocytic cycle, Rab, Secretory pathway.
- Daniel J. Klionsky** (University of Michigan-Ann Arbor): 630 Publications, 88.9k Citations, 136 h-index, 13.01 Personal IF. Research fields: ATG8, ULK1, ATG16L1.

At the bottom, the start of another profile for Scott J. Hultgren (Washington University in St. Louis) is visible.

Expert Finder Demo

Find appropriate reviewers for the submitted paper

< PREV ARTICLE NEXT >

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Controlled Structural Relaxation of Aramid Nanofibers for Superstretchable Polymer Fibers with High Toughness and Heat Resistance




He Ji, Shouhua Feng, and Ming Yang*

Cite this: *ACS Nano* 2024, XXXX, XXX, XXX-XXX
 Publication Date: July 5, 2024
<https://doi.org/10.1021/acsnano.4c04388>
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Expert Finder

Clear

Research Field
Biogenesis, Bilayer graphene, Quantitative trait loci

Is Active Researcher
☐ Yes

Affiliation
Harvard University, University of Cambridge

Country
United States of America, Korea, Republic of

h-index
0 350+

Publication Count
0 10k+

Personal Impact Factor
0 1000+

Citation Count
0 300k+

First Published Year
1900 2024

A hassle-free approach to finding the best-suited scholar for your project.

Expert Finder simplifies finding top experts in specialized research fields with just keywords.

It goes beyond keywords, uncovering key academic figures through filters like research career, impact, and location, helping users to discover leading minds in any research area and collaborate with them.

For Industry:

- Discover and reference-check potential researchers for specific research assignments.
- Efficiently search and verify advisory professors for specialized technical consultations.
- Streamline the recruitment process for in-house researchers with proven expertise.

For Academia:

- Facilitate the search for new faculty members with the desired academic influence and background.
- Conduct comparative analyses of influential laboratories across various disciplines, identifying leaders in each field.
- Unearth potential collaborative laboratories for joint research ventures, fostering interdisciplinary advancements.

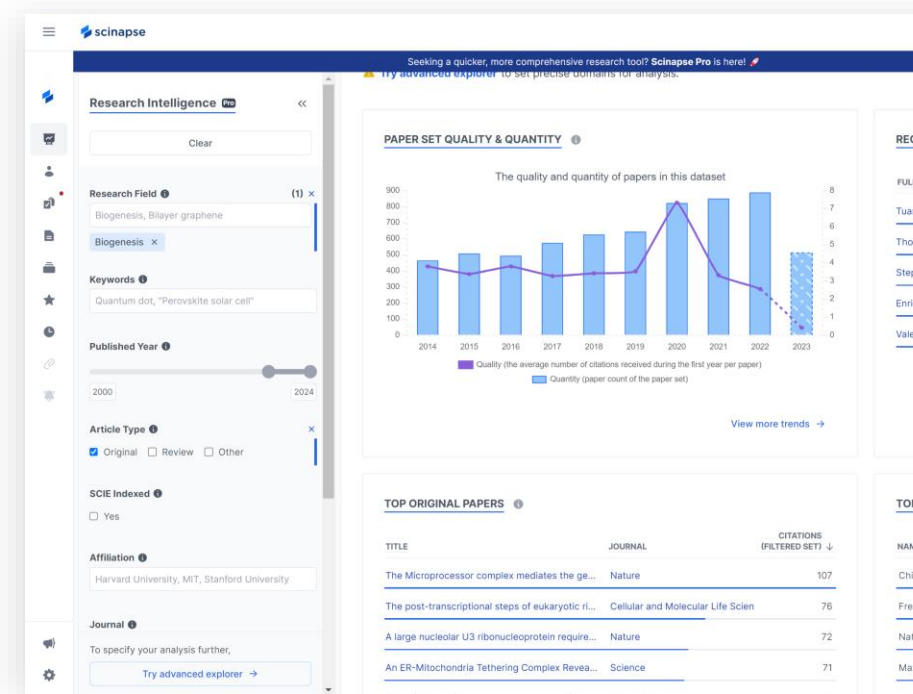
Expert Finder is more than a search tool; it's a gateway to a world of academic expertise, tailored to the needs of both industry and academia.



What is the Scinapse?

Scinapse analyzes various data within papers to **expedite research trend identification**

- **Quantifies impact in specific fields and regions** using real-time citation analysis
- **Provides detailed impact analysis** of research fields, researchers, journals
- **Identifies key person in research**, both established and emerging
- Offers **data-driven research trend analysis**, not subjective assessments



Thank You

If you have any questions,
please email me at junseon@pluto.im

