



# 研究者のためのSciVal活用法

- ◆ 研究者の成果を分析する方法
- ◆ 新しい研究テーマを検討する方法

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- SDGs、Net Zero、Covid-19といった話題のテーマを分析することにより、新しい研究テーマを検討する

### 3. 新しい研究テーマを検討する方法

- 分析対象の研究テーマを深堀し、第一人者、先行機関を分析し、新しい研究テーマに役立てる
- SDGs、Net Zero、Covid-19といった話題のテーマを分析することにより、新しい研究テーマを検討する



- 
- 分析対象の研究テーマを深掘し、第一人者、先行機関を分析し、新しい研究テーマに役立てる

# 研究テーマを深堀し、新しいテーマに役立てる方法(概要 チャート)



研究者を検索する



Topics分類(研究テーマ)を確認する



それぞれの研究テーマごとに分析を行う



類似・関連研究の  
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Related Topicsを  
分析する

テーマで注目される  
論文を探す

ホットなインパクトが  
高い論文は何か？

テーマの第一人者を  
探す

共同研究先を探すヒント、留学先の候補

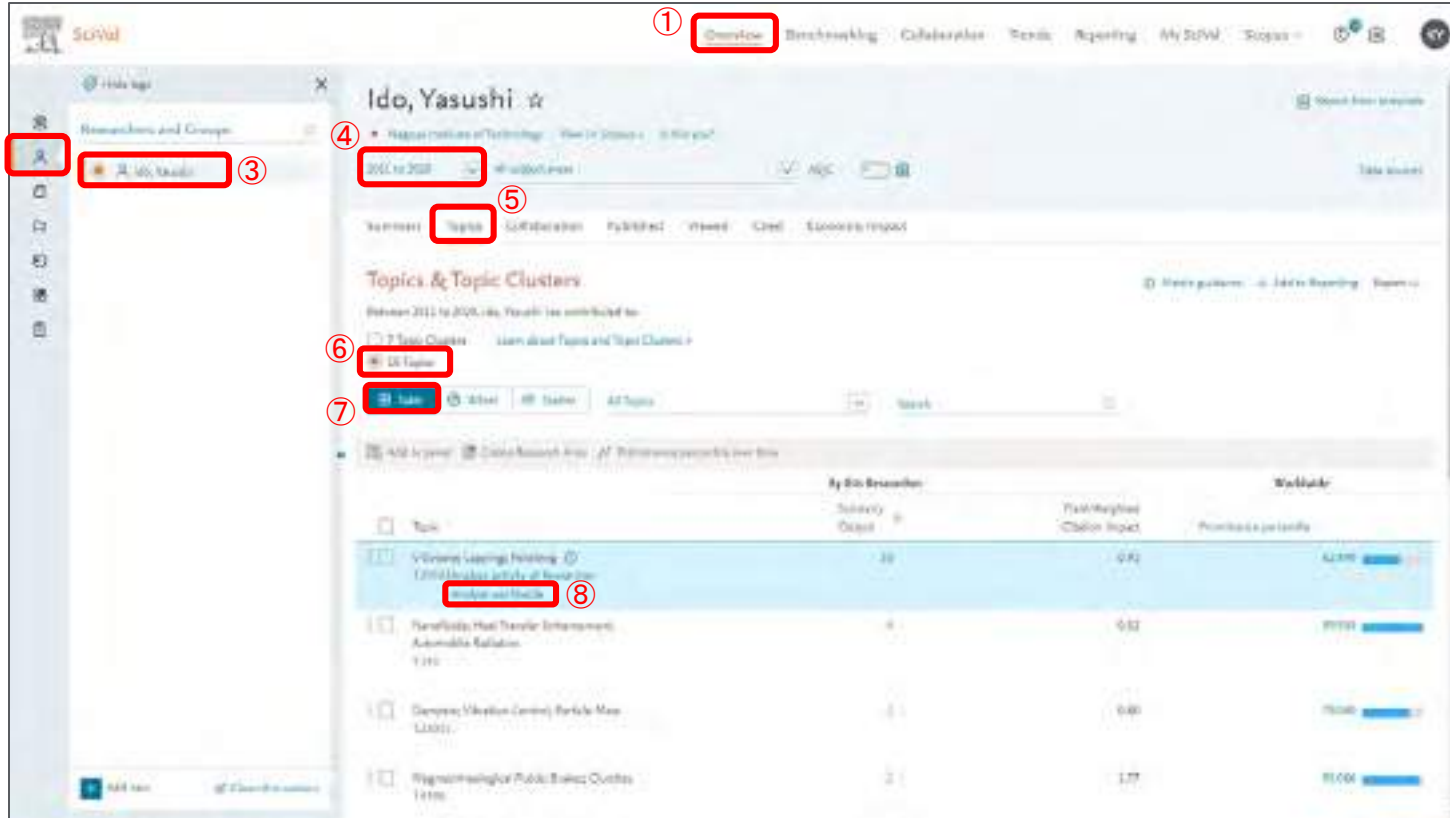
テーマの研究が活発  
な国や機関を探す

テーマのジャーナルを  
分析する

投稿するジャーナルに  
迷った時に役立てる

# 研究テーマ(トピック)の分類を分析する(Overviewモジュール)

- ⑤ Topicsを選択
- ⑧ Analyze worldwideを選択することで、Trendsモジュールに移動し、この研究Topic(研究テーマ)を分析(次ページ)



① Overview

②

③

④ 2011 to 2024

⑤ Topics

⑥ All Topics

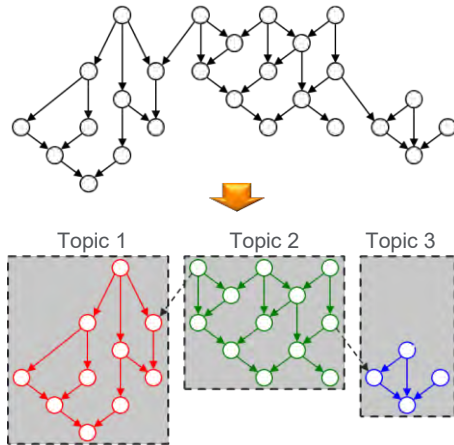
⑦ Analyze

⑧ Analyze worldwide

Topic	By Broader		Worldwide
	Score	Pub. Weighted Citation Index	
Virtual Learning Environments (VLEs) for higher education	20	0.92	4,230
Flexibility that Transfers Entertainment Assemblies Evaluation	4	0.52	1,111
Designs (Museum Center) Parkside Mall	1	0.00	1,000
Wignamite/higher Public Balance Outlets	2	1.77	11,000

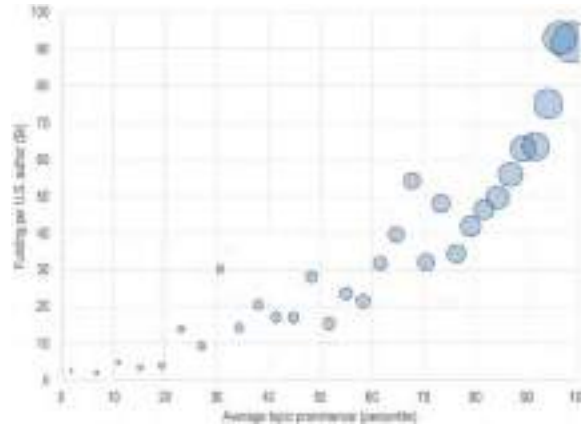
# 【補足資料】トピックとは？

- Scopusの文献を引用関係に基づいて分類し、約96,000のTopics (トピック)を定義
  - 引用関係が強いトピックを統合した約1,500のTopic Clusters (トピッククラスタ)も定義
- 直近の文献の被引用数、Scopus表示回数、掲載ジャーナルのCiteScore\* に基づいて、トピックの注目度、勢いを示すProminenceという指標を定義
  - Prominenceは助成金と相関関係があり、助成金が付きやすい研究領域の特定に役立つ
  - 最も高いProminenceパーセンタイルは100



Topicsの作成方法

○ は論文、↓ は引用関係



Prominenceと米国の助成金の関係

X軸はトピックのProminenceパーセンタイル、Y軸は著者一人あたりの助成金額、○のサイズはトピックあたりの著者数

\* 直近の文献の被引用数、Scopus表示回数、掲載ジャーナルのCiteScoreとは？

- 出版年2019と2020の文献が2020年に引用された回数
- 出版年2019と2020の文献が2020年にScopusで表示された回数
- 出版年2020の文献のCiteScoreの平均

## 【補足資料】トピックとは？

- Topic名は3つのワードで構成：大きく研究内容を掴むことが可能

© Topic T.1459 part of Topic Cluster TC.156 - Speech; Speech Recognition; Models  
**Voice Conversion; Speech Synthesis; Text-To-Speech** ☆

音声変換; スピーチ合成: テキストスピーチ

- Topic名は、タイトル、アブストラクト、キーワードから抽出された用語に基づいて、データドリブンで作成。Topic名を構成する用語は、そのトピックに頻出するものであると同時に、意味のあるユニークな名前を得るために特化したものが選択されている
- タイトルから抽出した用語をアブストラクトから抽出した用語よりも高く評価することで、トピック名と論文のタイトルとの整合性を高めている
- Topicのキーワード検索する際には、Top15のキーフレーズを含めて検索。以下は、T.1459 のTop15  
 Speech Synthesis | Voice Conversion | Public Speaking | Text-to-speech | Speaker | Singing | Hidden Markov Model (HMM) | Deep Neural Network | Voice | **Prosody** | **Vocoder** | Speech Communication | Speech Processing | Generative | Recurrent Neural Network



The screenshot shows a search interface with a search bar containing 'Prosody Vocoder'. Below the search bar, there are filters for 'In This Country/Region' and 'Workbooks'. A table of search results is displayed, with the top result highlighted in blue. The table has columns for 'Topic', 'Scholarly Output', 'Publication Size', 'First Weighted Citation Impact', and 'Presence percentile'. The top result is 'Voice Conversion; Speech Synthesis; Text-To-Speech' with a 'Scholarly Output' of 460, 'Publication Size' of 31,276, 'First Weighted Citation Impact' of 1.92, and 'Presence percentile' of 97.611. The words 'Prosody' and 'Vocoder' are circled in red in the original image, corresponding to the highlighted keywords in the table.

Topic	Scholarly Output	Publication Size	First Weighted Citation Impact	Presence percentile
Voice Conversion; Speech Synthesis; Text-To-Speech	460	31,276	1.92	97.611



## 【補足資料】トピックとは？

### 世界で注目されている研究トピックの探索 注目度の高いトピックTop 3

(アップデート前) 2021年6月15日以前

- |  |         |                 |
|--|---------|-----------------|
| 1. Perovskite Solar Cells; Lead Bromide; Formamidine (T.20)      | 100.000 | ←ペロブスカイト型太陽電池   |
| 2. Object Detection; CNN; IOU (T.4338)                           | 99.999  | ←物体検出(デジタル画像技術) |
| 3. Nivolumab; Pembrolizumab; Programmed Death 1 Ligand 1 (T.403) | 99.998  | ←ニボルマブ(抗体医薬)    |

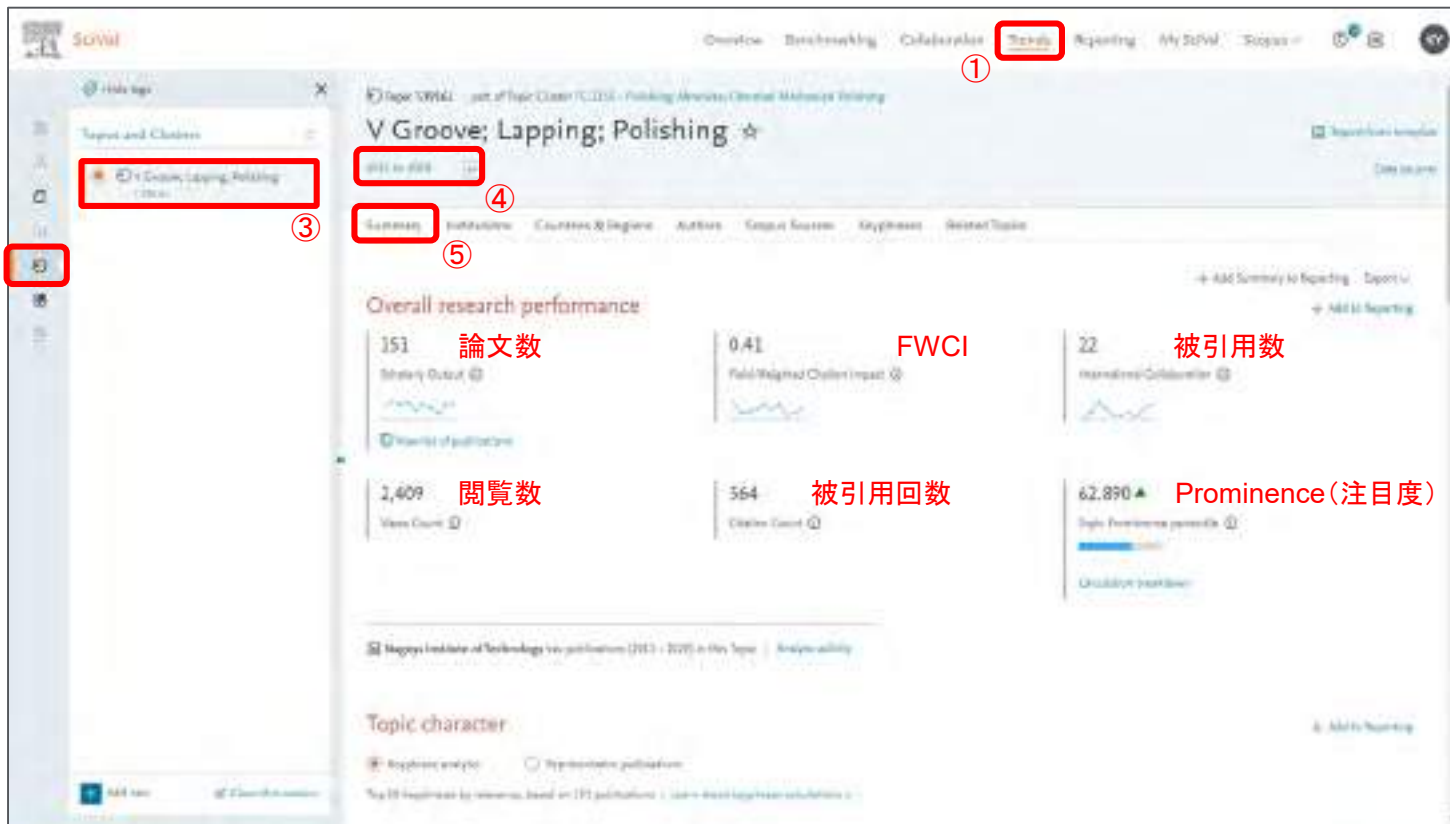
(アップデート後) 2021年6月16日以後

- |   |         |               |
|---|---------|---------------|
| 1. Radiological Findings; Clinical Features; COVID-19 (T.1100120) | 100.000 | ←CT所見、コロナウィルス |
| 2. Perovskite Solar Cells; Lead Bromide; Formamidine (T.20)       | 99.999  | ←ペロブスカイト型太陽電池 |
| 3. Object Detection; CNN; IOU (T.4338)                            | 99.998  | ←物体検出         |



# 研究テーマの深堀する (Trendsモジュール)

- 前ページ Analyze worldwideを選択することで、Topicの分析が可能となる
- ⑧ Analyze worldwideを選択することで、Trendsモジュールに移動し、この研究Topic(研究テーマ)を分析(次ページ)

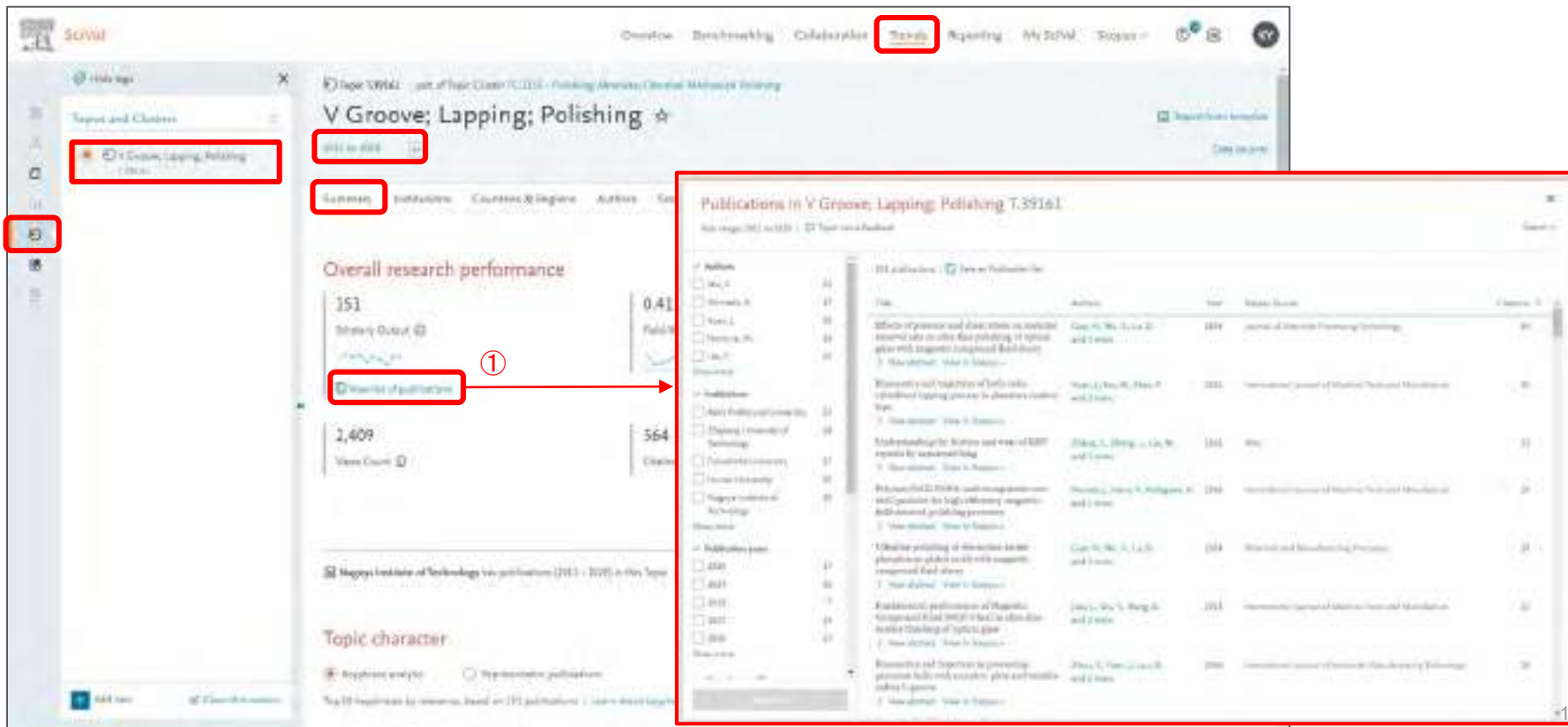


The screenshot shows the SOwM Trends module interface for the topic "V Groove; Lapping; Polishing". The interface includes a navigation menu on the left, a main content area with a topic title, and a section for overall research performance. Red boxes and numbers 1 through 8 highlight specific elements: 1 points to the "Trends" tab, 2 to the "Analyze worldwide" button, 3 to the topic name in the sidebar, 4 to the "V Groove; Lapping; Polishing" topic name, 5 to the "Summary" tab, and 6 to the "Overall research performance" section. The performance metrics are as follows:

Metric	Value
論文数 (Number of Publications)	151
FWCI (Field-Weighted Citation Impact)	0.41
被引用数 (Number of Citations)	22
閲覧数 (View Count)	2,409
被引用回数 (Citation Count)	364
Prominence (注目度) (Topic Prominence percentile)	62.890

# 研究テーマの深堀する (Trendsモジュール)

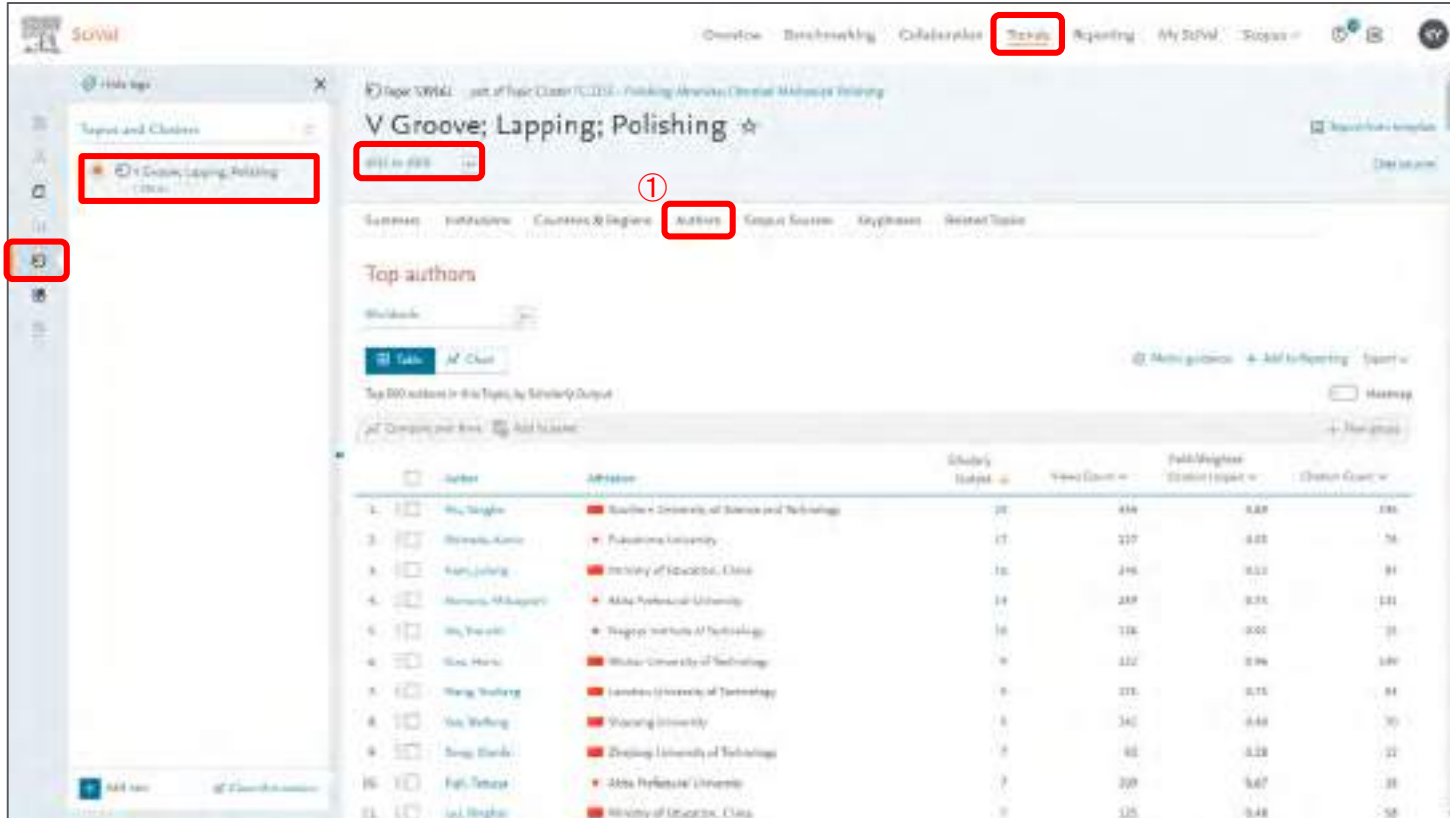
- ① Topicについての文献を被引用回数が多い順で確認可能。網羅的に分析する



The screenshot displays the Scopus Trends interface for the topic "V Groove; Lapping; Polishing". The main navigation bar includes "Overview", "Benchmarking", "Collaborator", "Trends", "Ageing", "My Scopus", and "Topics". The "Trends" tab is highlighted. On the left, a sidebar shows "Topic and Clusters" with "V Groove; Lapping; Polishing (2364)" selected. The main content area shows the topic name and "Overall research performance" metrics: 351 Scholarly Output and 0.41 Field Weight. A red box highlights the "Number of publications" metric (2,409), with an arrow pointing to a detailed view of "Publications in V Groove; Lapping; Polishing (2,391)". This view includes a table of publications with columns for Title, Author, Year, and Source. The table lists several publications, including "Effects of process and dielectric on residual stresses in dry film polishing of optical glass with magnetic suspended fluidity" (2019) and "Fundamental performance of magnetic suspended fluid (MSF) in fact-to-fact dielectric coating of optical glass" (2014).

# 研究テーマの第一人者を探す (Trendsモジュール)

- ① このTopicで論文数が多い著者、インパクトが高い著者を分析可能

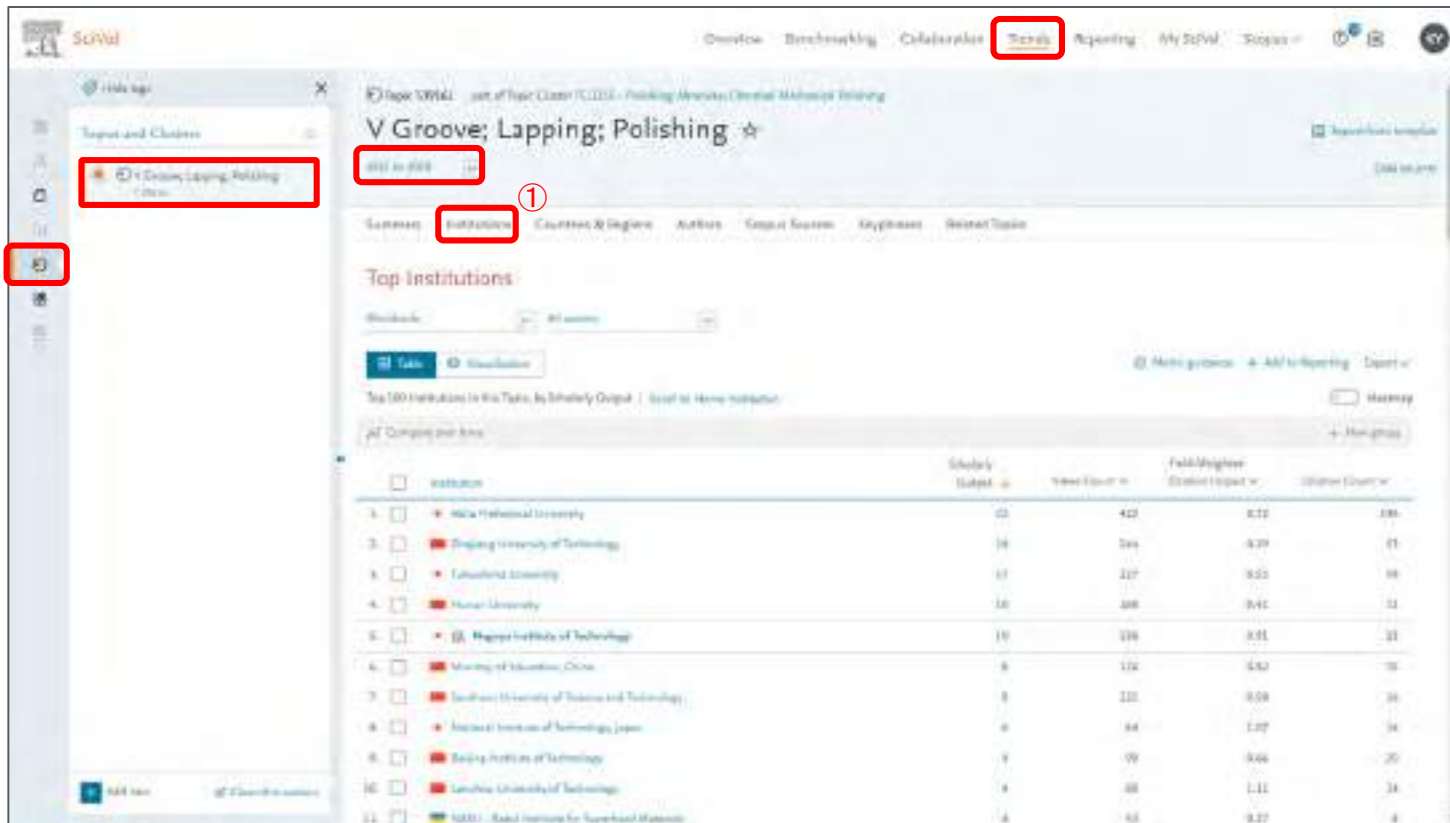


The screenshot displays the Scopus Trends interface for the topic "V Groove; Lapping; Polishing". The "Trends" tab is selected in the top navigation bar. The left sidebar shows the topic name "V Groove; Lapping; Polishing" and a search icon. The main content area includes a "Top authors" section with a table of the top 11 authors. The table columns are Author, Affiliation, Study Subject, View Count, Field Weight, and Citation Count. The authors are ranked by citation count, with Wu, Yongbin having the highest at 183.

Author	Affiliation	Study Subject	View Count	Field Weight	Citation Count
1. Wu, Yongbin	Southern University of Science and Technology	17	414	0.27	183
2. Shrivastava, Anurag	Poona University	17	317	0.23	76
3. Han, Jialing	Ministry of Education, China	16	246	0.21	81
4. Ahn, Myoungsoo	KAIST - Korea Advanced Institute of Science and Technology	14	289	0.21	121
5. Wu, Yueshi	Wangyuan Institute of Technology	14	118	0.00	31
6. Guo, Hui	Wuhan University of Technology	9	112	0.04	149
7. Wang, Yueliang	London University of Technology	9	111	0.11	81
8. Guo, Yueliang	Shandong University	8	140	0.44	30
9. Song, Shuang	Zhejiang University of Technology	7	61	0.12	22
10. Fagh, Tahar	Abbas Petroleum University	7	109	0.67	31
11. Guo, Yongbin	Ministry of Education, China	7	121	0.42	58

# 研究テーマが盛んな研究機関を探す (Trendsモジュール)

- ① このTopicで論文数が多い機関を分析可能

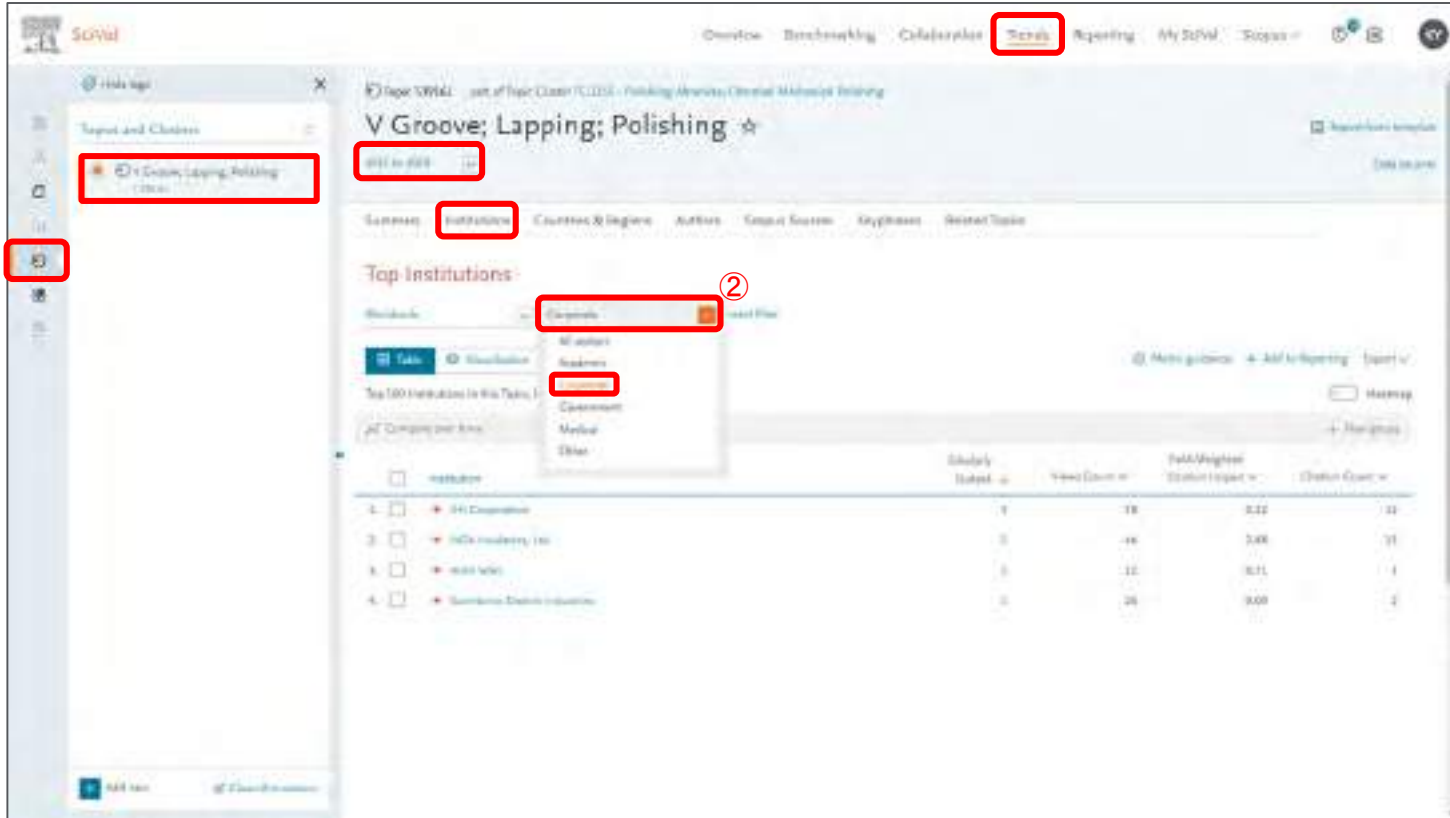


The screenshot displays the Scopus Trends interface for the topic "V Groove; Lapping; Polishing". The "Trends" tab is selected in the top navigation bar. The left sidebar shows the topic and cluster selection, with "V Groove; Lapping; Polishing" selected. The main content area shows the topic name, a "Summary" tab, and a "Top Institutions" section. A table lists the top 10 institutions with columns for Rank, Institution, Study Subject, Year Count, Field Weight, and Citation Count.

Rank	Institution	Study Subject	Year Count	Field Weight	Citation Count
1	Wu Textile University	22	423	0.72	186
2	Zhejiang University of Technology	14	266	0.29	111
3	Taiwanese University	11	227	0.23	98
4	Hunan University	10	208	0.41	51
5	Hong Kong Institute of Technology	10	206	0.51	31
6	Ministry of Education, China	6	116	0.62	16
7	Southern University of Science and Technology	5	211	0.09	36
8	National Institute of Technology, Japan	4	84	1.07	34
9	Beijing Institute of Technology	4	99	0.66	20
10	Lanzhou University of Technology	4	88	1.11	34
11	RIKEN - Riken Institute for Superhard Materials	4	62	0.27	4

# 研究テーマが盛んな企業の研究機関を探す (Trendsモジュール)

- ① このTopicで論文数が多い機関を分析可能

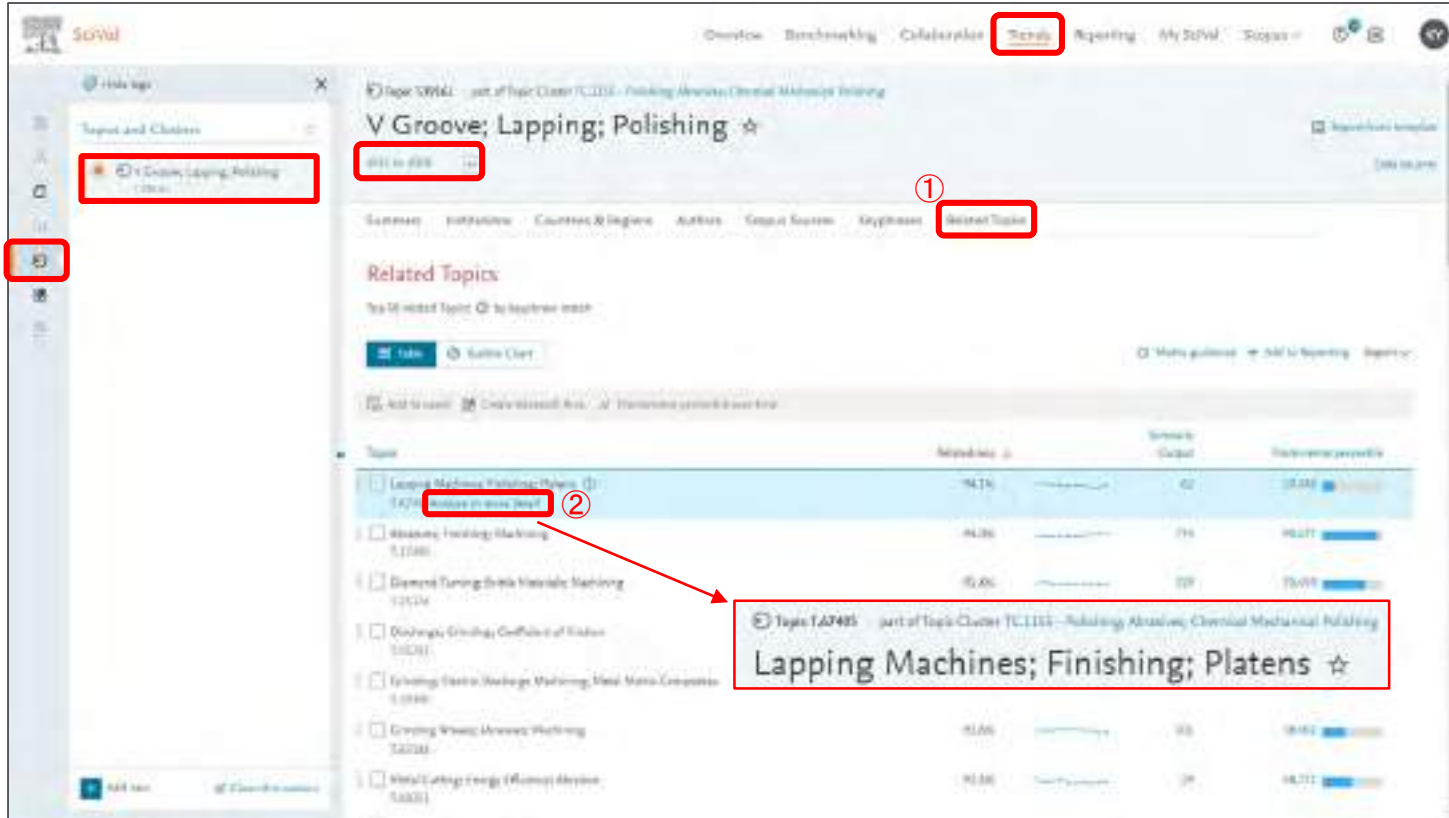


The screenshot shows the Scopus Trends module interface for the topic "V Groove; Lapping; Polishing". The interface includes a sidebar with a search bar and a list of topics, a main header with the topic name and a search bar, and a "Top Institutions" section. A dropdown menu is open over the "Institutions" filter, showing a list of institution types. A table below the dropdown lists the top 100 institutions in this topic.

Institution	Global Index	View Count	Full/Weighted Citation Impact	Citation Count
1. <a href="#">SH Chongqing</a>	1	18	0.22	12
2. <a href="#">HCU Indonesia, Inc</a>	0	16	0.48	21
3. <a href="#">HCU Ulsan</a>	0	12	0.21	14
4. <a href="#">Sungkyunkwan University</a>	0	26	0.09	5

# 研究テーマの類似研究を調べる (Trendsモジュール)

- ① Related Topicsを調査する
- ② 注目する新たなトピックを選択し(次ページ)、インパクトが高い論文や著者、機関等を前述の操作で分析可能



The screenshot displays the Scopus Trends module interface. The main heading is "V Groove; Lapping; Polishing". Below this, there are navigation tabs: "Summary", "Institutions", "Countries & Regions", "Authors", "Impact System", "Keywords", and "Related Topics". The "Related Topics" tab is selected and highlighted with a red box and a circled "1".

Under the "Related Topics" section, there is a table of related topics. The first row is highlighted in blue and has a red box around it with a circled "2". A red arrow points from this row to a larger view of the selected topic.

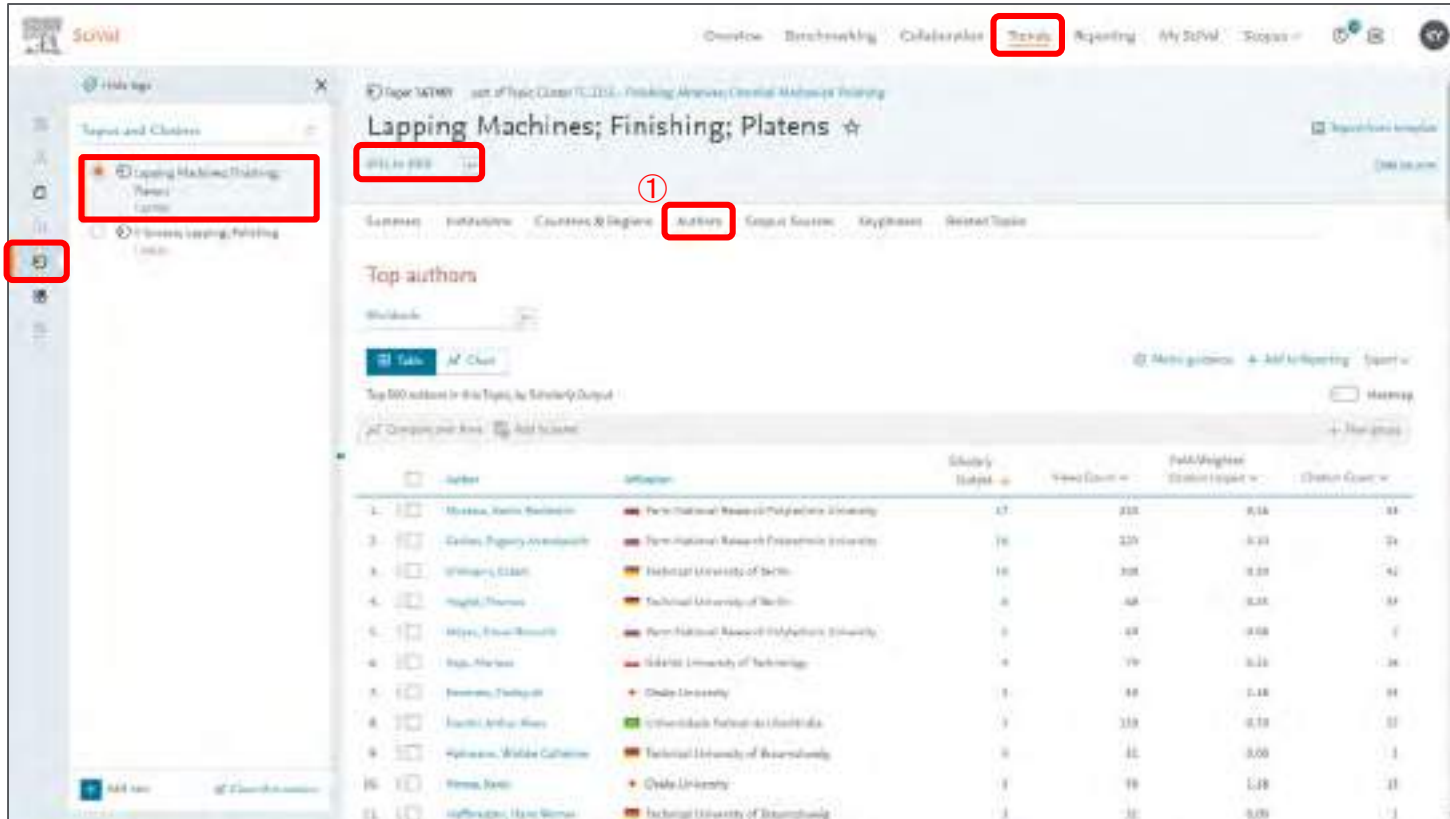
Topic	Mentions	Smart Output	Relevance
Lapping Machines; Finishing; Platens	41%	62	100%
Abbrasive Finishing; Machines	40%	74	94%
Diamond Turning; Bulk Materials; Machining	15.0%	27	75%
Drumming; Grinding; Coefficients of Friction			
Grinding; Electro-Workings; Machining; Metal; Metal; Composites			
Grinding Wheels; Abrasive; Machining	15.0%	33	100%
Metal Cutting; Energy; (Kinetic) Energy	15.0%	37	100%

The larger view of the selected topic shows "Topic 147485 - part of Topic Cluster TC1135 - Grinding Abrasive; Chemical Mechanical Polishing" and "Lapping Machines; Finishing; Platens".

- 引用関係は同じトピックを形成するほど強くないが、キーフレーズが類似しているトピックがRelated Topics。次の研究テーマを探したり、周辺分野の理解を深めたりするのに役立ちます。

# 類似研究の第一人者を探す (Trends モジュール)

- ① このTopicで論文数が多い著者、インパクトが高い著者を分析可能



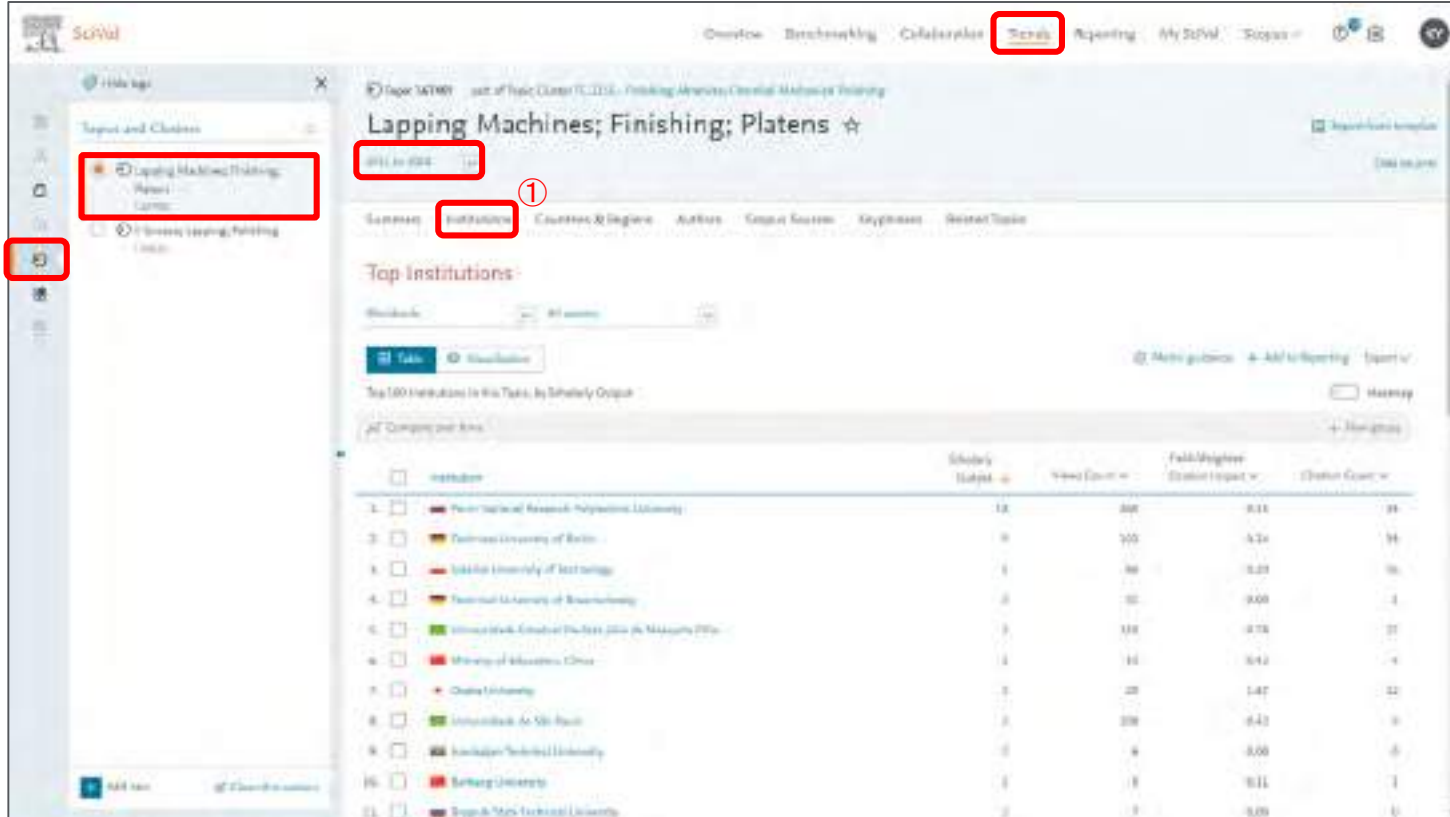
The screenshot shows the Scopus Trends module interface. The main topic is "Lapping Machines; Finishing; Platens". The "Authors" tab is selected, showing a list of top authors. The interface includes a sidebar with navigation options, a top navigation bar with "Trends" highlighted, and a main content area with a table of authors and their associated metrics.

Author	Institution	Study Subject	View Count	Full/Weighted Citation Impact	Citation Count
Morita, Kenji	Perth National Research Polytechnic University	17	225	0.14	31
Galati, Pignatiello, Alessandro	Perth National Research Polytechnic University	16	220	0.23	29
Whitney, Brian	Technical University of Berlin	10	308	0.23	42
Hogel, Thomas	Technical University of Berlin	6	48	0.22	19
Wang, Erwan	Perth National Research Polytechnic University	5	44	0.08	7
Yip, Mervin	United University of Technology	4	79	0.12	16
Benavente, Rodrigo	Chile University	3	40	0.18	11
Francis, Andrew	University of Applied Sciences	3	215	0.13	11
Wojcik, Waldemar	Technical University of Białystok	2	11	0.00	1
Wang, Bao	Chile University	1	19	1.18	11
Wojcik, Waldemar	Technical University of Białystok	1	11	0.00	1



# 類似研究が盛んな研究機関を探す (Trendsモジュール)

- ① このTopicで論文数が多い機関を分析可能



The screenshot displays the Scopus Trends interface for the topic "Lapping Machines; Finishing; Platens". The interface includes a navigation menu on the left, a search bar at the top, and a main content area with various analysis options and a table of top institutions.

Key elements highlighted with red boxes:

- The "Trends" tab in the top navigation bar.
- The "Lapping Machines; Finishing; Platens" topic name in the main header.
- The "Institutions" filter button in the "Summary" section.
- The "Top Institutions" section header.
- The "Table" button in the "Top Institutions" section.

Table: Top Institutions in this Topic, by Scholarly Output

Institution	Scholarly Output	View Count	Field Weight	Output Count
1.  Poznan University of Technology	12	207	0.11	31
2.  Technical University of Berlin	9	100	0.24	14
3.  Lodz University of Technology	5	56	0.23	16
4.  Technical University of Braunschweig	2	10	0.09	1
5.  Harbin Institute of Technology	1	118	0.19	11
6.  Ministry of Education, China	1	14	0.12	1
7.  Chongqing University	1	29	1.47	11
8.  Universität An der Ruhr	1	109	0.41	1
9.  Fraunhofer International	1	4	0.09	1
10.  Salford University	1	1	0.11	1
11.  Spanish Technical University	1	1	0.09	1

- 
- SDGs、Net Zero、Covid-19といった話題のテーマを分析することにより、新しい研究テーマを検討する

# 話題のテーマから、自身の研究と関連するテーマを探す(概要 チャート)

話題の研究テーマを確認する(SDGs、COVID-19、Net Zero)

話題の研究テーマから、Topicキーワードで絞り込む

それぞれの研究テーマごとに分析を行う

類似・関連研究の  
洗い出し

Related Topicsを  
分析する

テーマで注目される  
論文を探す

ホットなインパクトが  
高い論文は何か？

テーマの第一人者を  
探す

共同研究先を探すヒント、留学先の候補

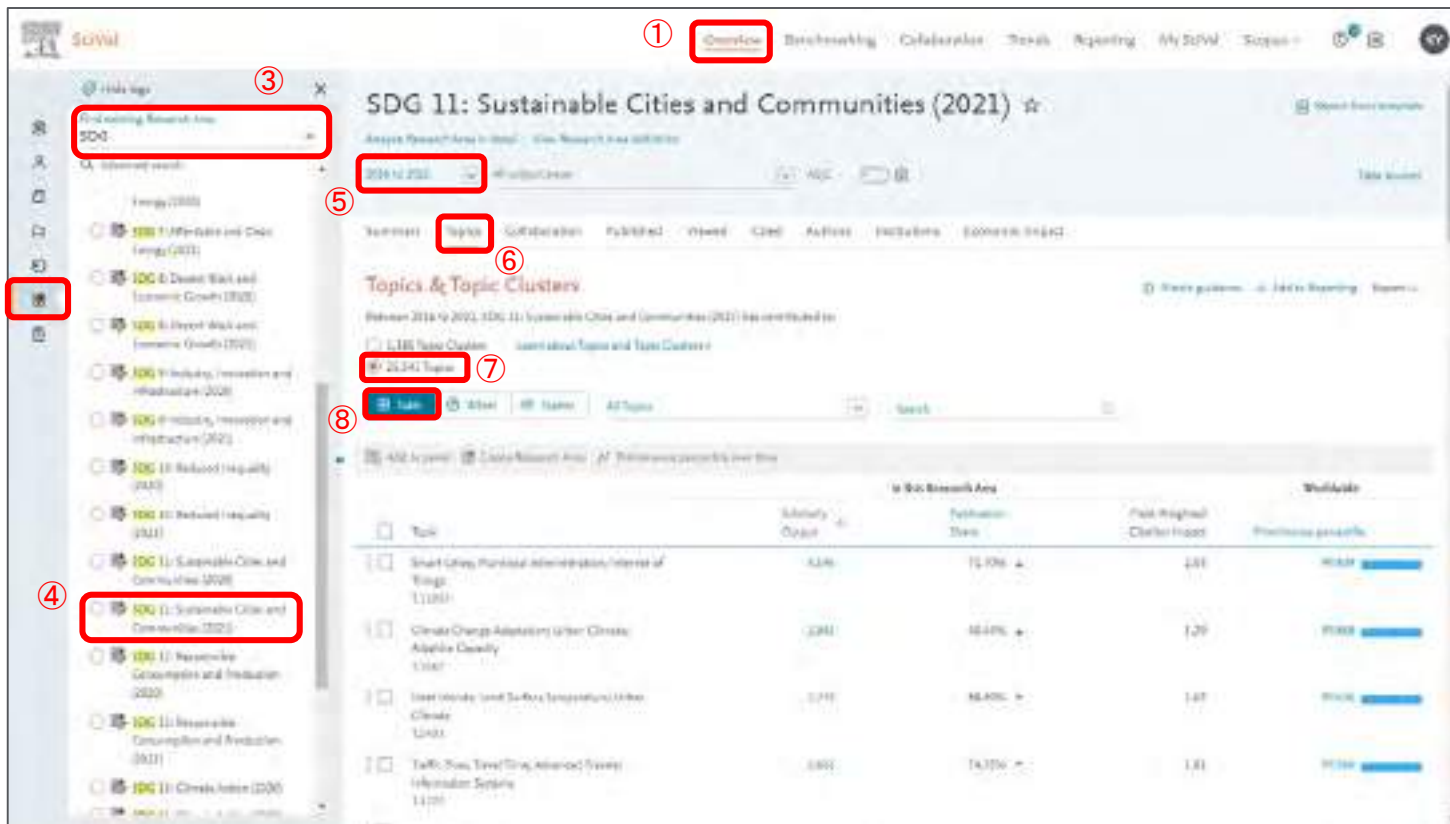
テーマの研究が活発  
な国や機関を探す

テーマのジャーナルを  
分析する

投稿するジャーナルに  
迷った時に役立つ

# ① SDGs関連研究 x Topicキーワード で絞り込み

- ① Overviewモジュールを選択、② Research Areasを選択、③ SDGと記入すると予めセットされたSDGs関連研究の候補が出てくる
- ④ ここではSDG 11を選択、⑦ SDG 11に関連するTopicは、25,541存在していることがわかる



The screenshot shows the SDWI (SDG World Index) interface. On the left, a sidebar lists various Research Areas, with 'SDG 11: Sustainable Cities and Communities (2021)' highlighted by a red box and labeled ④. The main content area shows the 'Overview' module selected (labeled ①), with 'SDG 11: Sustainable Cities and Communities (2021)' as the selected Research Area (labeled ③). The 'Topics & Topic Clusters' section displays '25,541 Topics' (labeled ⑦) and a 'Filter' button (labeled ⑧). A table of topics is visible below, with columns for Topic, Safety Score, Population Size, Peak Height, and Climatic Profile.

Topic	Safety Score	Population Size	Peak Height	Climatic Profile
Smart Cities: Municipal Administration/Interest of Things (11051)	5.26	75,776 ↓	1.81	WET
Climate Change Adaptation Under Climate: Adaptive Capacity (1047)	2.84	86,476 ↑	1.20	WET
User Involvement and Surface Temperature Under Climate: Climate (1041)	3.71	84,000 ↑	1.87	WET
Traffic Flow, Travel Time, Attendance System (Information Systems) (1120)	3.80	74,370 ↑	1.81	WET



# ① SDGs関連研究 x Topicキーワード で絞り込み

- ① Carbon dioxideと入力すると、トピックの中でこのワードに関連するものが表示される
- ② を選択する(次々ページ)

The screenshot shows the Scopus database interface. The search bar at the top contains 'Carbon dioxide'. The sidebar on the left has 'Topics & Topic Clusters' selected. The main content area shows 'SDG 11: Sustainable Cities and Communities (2021)'. Below this, there are filters for 'Year' (2016 to 2021) and 'Topic' (Carbon dioxide). A table of results is displayed, with the first row highlighted in blue. The table has columns for 'Topic', 'Subject', 'Year', 'Full Record', and 'Full Text'. The first row is 'Environmental Quality (Urban and Suburban Quality) - Urban (Quality) - Sub-Cities (2021)'. The second row is 'Pollution Exposure to Quality (Urban and Suburban) - Urban (Quality) - Sub-Cities (2021)'. The third row is 'Environmental Quality (Urban and Suburban Quality) - Urban (Quality) - Sub-Cities (2021)'. The fourth row is 'Urban Policy (Urban and Suburban Quality) - Urban (Quality) - Sub-Cities (2021)'. The search bar and the 'Carbon dioxide' topic selection are highlighted with red boxes. The 'Carbon dioxide' topic selection is also highlighted with a red box and a circled '1'. The 'Environmental Quality (Urban and Suburban Quality) - Urban (Quality) - Sub-Cities (2021)' row is highlighted with a red box and a circled '2'.

Topic	Subject	Year	Full Record	Full Text
Environmental Quality (Urban and Suburban Quality) - Urban (Quality) - Sub-Cities (2021)	Urban (Quality) - Sub-Cities (2021)	2021	1,100	1,100
Pollution Exposure to Quality (Urban and Suburban) - Urban (Quality) - Sub-Cities (2021)	Urban (Quality) - Sub-Cities (2021)	2021	1,100	1,100
Environmental Quality (Urban and Suburban Quality) - Urban (Quality) - Sub-Cities (2021)	Urban (Quality) - Sub-Cities (2021)	2021	1,100	1,100
Urban Policy (Urban and Suburban Quality) - Urban (Quality) - Sub-Cities (2021)	Urban (Quality) - Sub-Cities (2021)	2021	1,100	1,100



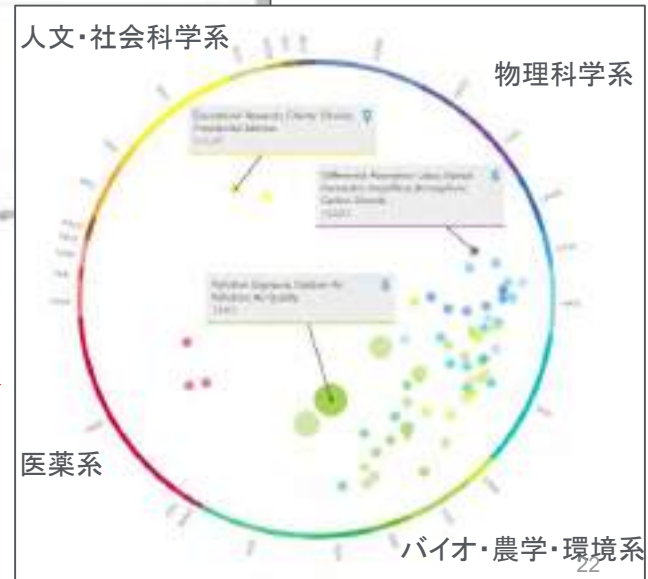
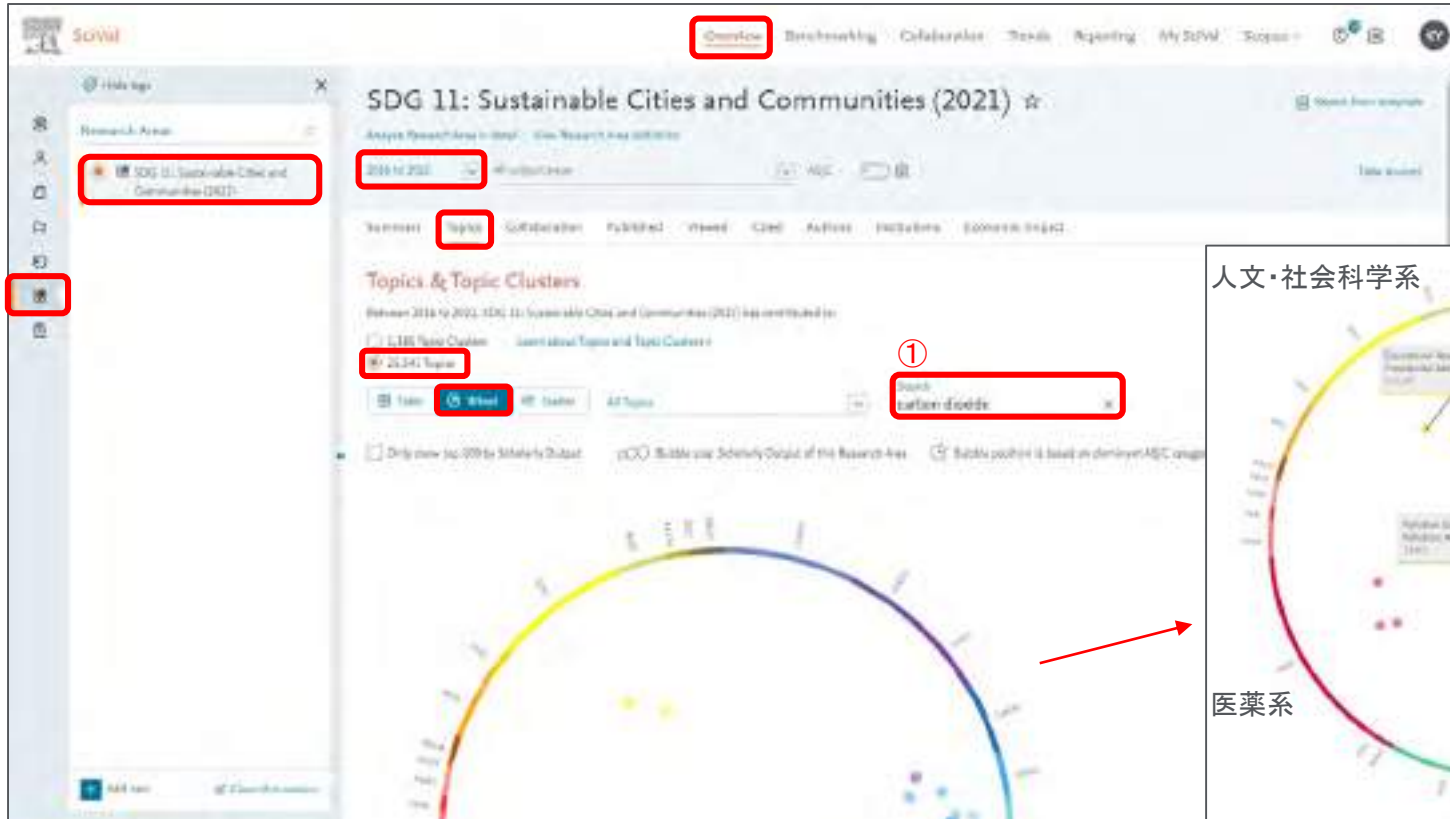
二酸化炭素

# ① SDGs関連研究 x Topicキーワード で絞り込み

- ① Wheel表示に変更すると、トピックと分野を同時に確認できる



二酸化炭素



# ① SDGs関連研究 x Topicキーワード で絞り込み

- ① Trendsモジュール、③ 特定のTopicに絞り込み、
- ⑤ 重要な文献を確認、⑥ このTopicで著名な研究者を確認、⑦ 機関を確認

The screenshot shows the SciWit interface for a topic analysis. The main title is "Environmental Kuznets Curve; Financial Development; Trade Openness". The interface includes a sidebar with "Topic and Clusters" and a main content area with "Overall research performance" metrics and a list of "Major institutions of Technology".

Annotations on the screenshot include:

- ①: Points to the "Trends" tab in the top navigation bar.
- ②: Points to the search icon in the sidebar.
- ③: Points to the selected topic "Environmental Kuznets Curve; Financial Development; Trade Openness" in the sidebar.
- ④: Points to the "Summary" tab in the main content area.
- ⑤: Points to the "Number of publications" metric (118,834).
- ⑥: Points to the "Authors" tab in the main content area.
- ⑦: Points to the "Institutions" tab in the main content area.

Two inset windows provide detailed views:

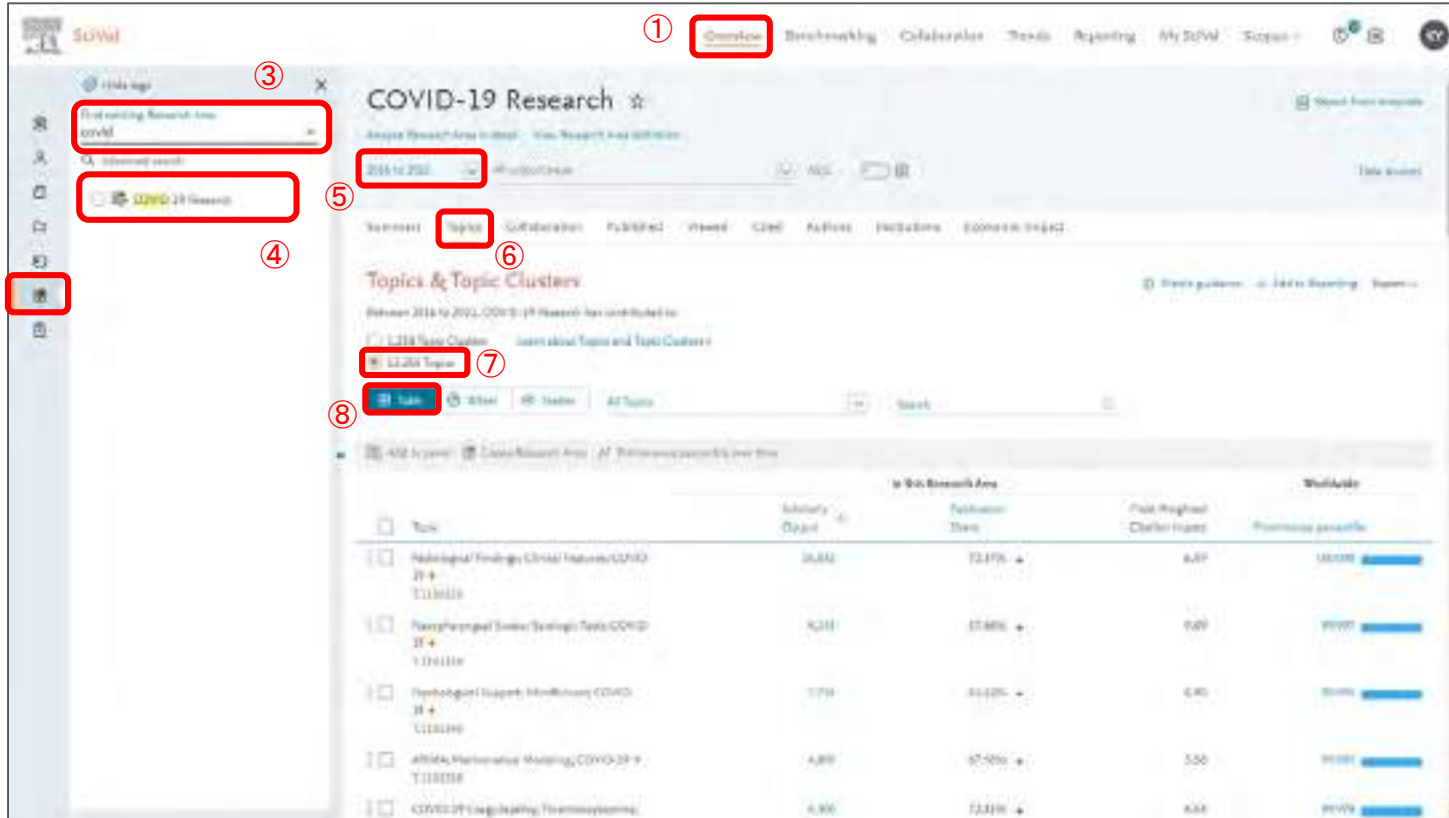
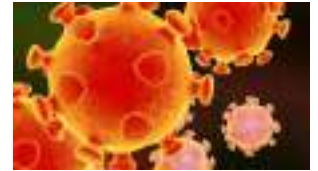
- Top Inset (Institutions):** A table listing institutions and their counts.
 

Institution	Count
Beijing Institute of Technology	131
Beihai University	107
Chongqing University	84
Capital Normal University	79
Guangxi Normal University	76
University of Cambridge (Economics)	66
University of Science and Technology of China	65
Shanghai University	64
Guangdong University of Education	51
Guangxi University of Science and Technology	31
- Bottom Inset (Authors):** A table listing authors and their affiliations.
 

Author	Affiliation
Shahbaz, Muhammad	Beijing Institute of Technology
Qureshi, Hasan	China Medical University Teaching
Shah, Farooq Ullah	North China University
Zameer, Waheed	Unknown Institution
Hua, Yi	Beijing Institute of Technology
Ali, Ahmad Adnan	South Ural State University
Tahir, Naji	Unknown Institution
Khalid, Dawood	Eurasian University of Life
Sahadeo, Suresh Prasad	Tamil University
Adhikari, Sanjiva Suresh	Capital International University

## ② COVID-19 Research x Topicキーワード で絞り込み

- ① Overviewモジュールを選択、② Research Areasを選択、③ covidと記入すると予めセットされたCOVID-19 Researchが出てくる
- ④ COVID-19 Researchを選択、⑤ 絞り込み検索、⑥ Topicsを選択、⑦ 絞り込み検索、⑧ 絞り込み検索



The screenshot shows the SOVI (Social Overview) interface for COVID-19 Research. The interface is annotated with red boxes and numbers 1 through 8, corresponding to the steps in the list above.

- ① Overview (top navigation bar)
- ② Research Areas (left sidebar)
- ③ covid (search input field)
- ④ COVID-19 Research (selected research area)
- ⑤ 2019 to 2021 (date range filter)
- ⑥ Topics (selected filter)
- ⑦ 11,201 Topics (topic count)
- ⑧ 11,201 Topics (topic count)

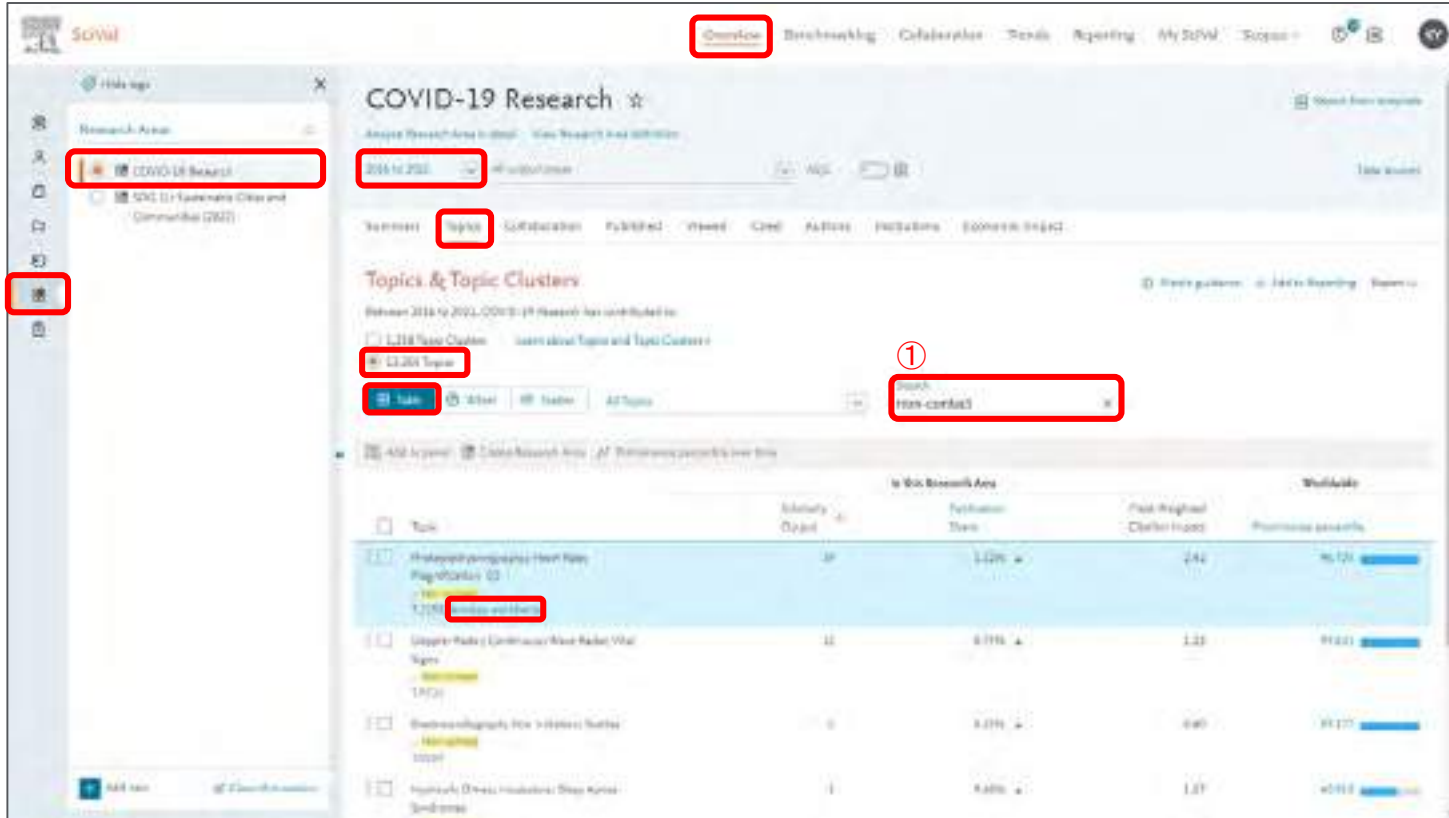
The main content area displays "COVID-19 Research" and "Topics & Topic Clusters". Below this, a table shows the results of the search, including the number of publications, citations, and a progress bar for each topic.

Topic	Publications	Citations	Field Impact	Progress
Biological Findings/COVID Features/COVID-19	2,822	72,176	6.07	100%
Pharmacological Studies/Therapeutic Topics/COVID-19	4,211	17,866	6.09	100%
Psychological Support/Well-being/COVID-19	1,774	14,426	6.40	100%
AI/ML/Intelligence/Modeling/COVID-19	4,899	17,500	3.50	100%
COVID-19/Logistics/Transmission	4,900	12,116	6.03	100%



## ② COVID-19 Research x Topicキーワード で絞り込み

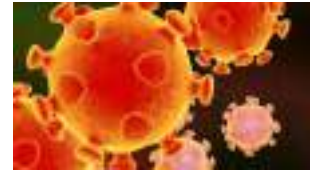
- ① non-contactと入力すると、トピックの中でこのワードに関連するものが表示される



The screenshot shows the Scopus interface for 'COVID-19 Research'. Red boxes highlight the following elements:

- The 'Search' button in the top navigation bar.
- The 'COVID-19 Research' search area in the left sidebar.
- The '2016 to 2021' date range filter.
- The 'Topic' filter button in the 'Topics & Topic Clusters' section.
- The 'non-contact' keyword entered in the search input field.
- The 'non-contact' keyword in the search results table.

Topic	Subtopic	Subtopic	Subtopic	Subtopic
Hydroxychloroquine Heart Rate Regulation (3)	38	1,026	244	76,121
Uptake Rate of Coronavirus Risk Factor Signs (1)	11	8,116	1,111	11,111
Electrocardiogram Risk Factor Signs (1)	9	8,116	1,111	11,111
Hydroxychloroquine Heart Rate Regulation (3)	1	8,116	1,111	11,111



非接触

## ② COVID-19 Research x Topicキーワード で絞り込み



- ① Trendsモジュール、③ 特定のTopicに絞り込み、
- ⑤ 重要な文献を確認、⑥ このTopicで著名な研究者を確認、⑦ 投稿するジャーナル候補を確認

The screenshot shows the Scopus Trends interface for the topic "Photoplethysmography; Heart Rate; Magnification".

**Annotations:**

- ①: Trends module tab
- ②: Filter icon
- ③: Selected topic in the left sidebar
- ④: Comment button
- ⑤: Number of publications (18,268)
- ⑥: Authors list
- ⑦: Journals list

**Overall research performance:**

- 1,338 Bibliography Outlets
- 134 Field-Weighted Citation Impact
- 266 Interrelated Collaborator

**Topic character:**

- 18,268 Publications

**Authors List:**

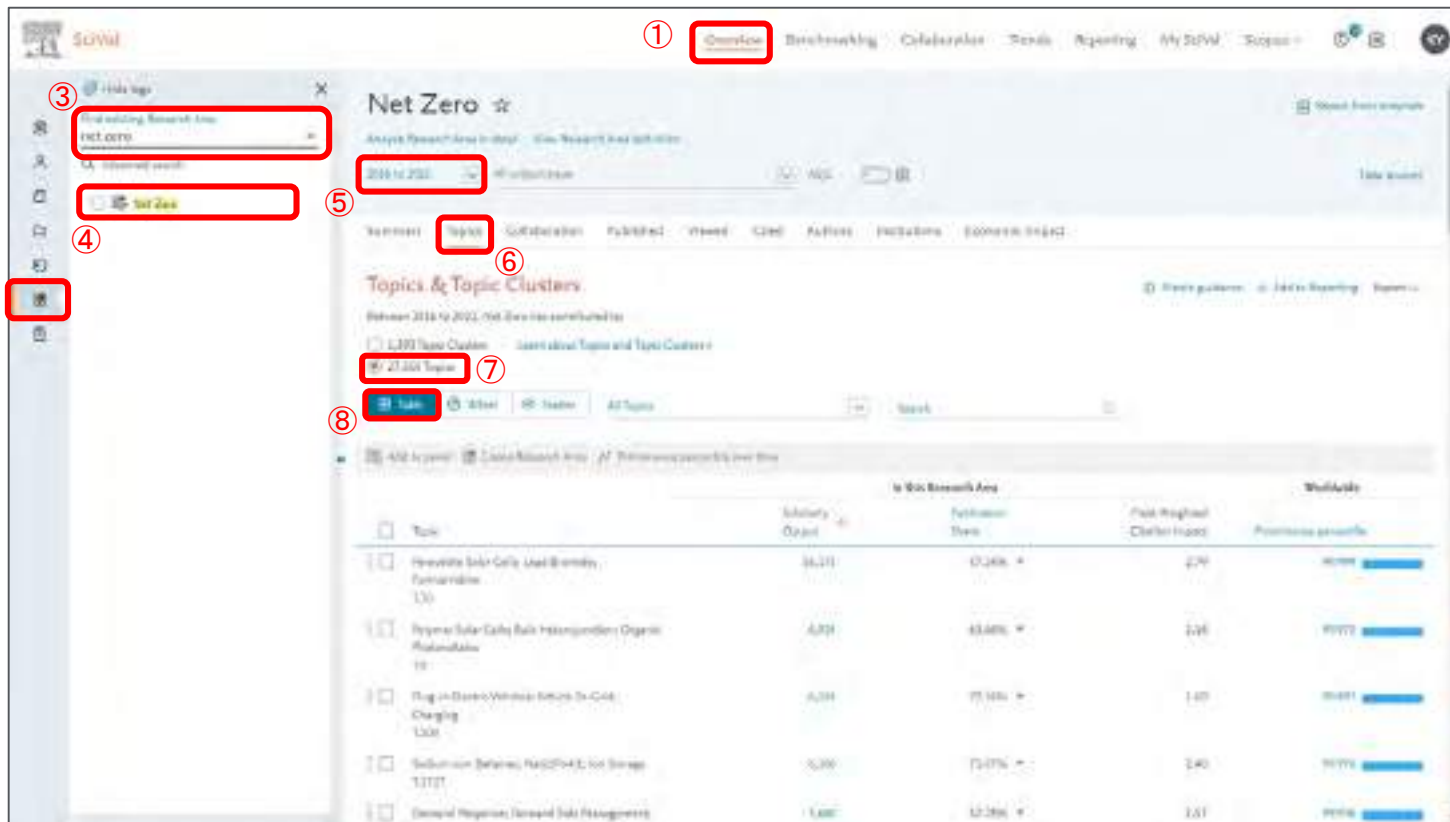
Rank	Author	Affiliation
1.	De Haan, Gerard	Koninklijke Philips N.V.
2.	Tsunami, Norimichi	Osaka University
3.	McDuff, Daniel J.	Northwestern University
4.	Leontarich, Stefan	RWTH Aachen University
5.	Al-Najaj, Ali	University of South Australia
6.	Benkath, Youssef	Unknown Institution
7.	Chakr, Jyoti Singh	University of South Australia
8.	Wang, Wenjin	Eindhoven University of Technology
9.	Kamshilin, Alexei A.	Russian Ministry of Health
10.	Suzuki, Sander	Koninklijke Philips N.V.

**Journals List:**

Rank	Journal	Count
1.	Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings	47
2.	News	47
3.	Proceedings of SPIE - The International Society for Optical Engineering	36
4.	Lecture Notes in Computer Science	36
5.	Progress in Biomedical Optics and Imaging - Proceedings of SPIE	36
6.	IEEE Conference Society Conference on Document Analysis and Recognition - Workshops	26
7.	IEEE Access	25
8.	Biomedical Optics - Science	25
9.	IEEE Transactions on Biomedical Engineering	18
10.	Advances in Optics, Optics and Optics	18

### ③ Net Zero x Topicキーワード で絞り込み

- ① Overviewモジュールを選択、② Research Areasを選択、③ Net Zeroと入力
- ④ Net Zeroを選択、⑦ 関連するTopicは、27,550存在していることがわかる

① Overview

② Research Areas

③ net zero

④ Net Zero

⑤ 2016 to 2021

⑥ Topics

⑦ 27,550 Topics

⑧ Net Zero

Topic	Salary Oppt	Publication	Full-Research Cluster Impact	Prominence percentile
Hydrogen Solar Cells Used Broadly, Forecasted	3,211	12,246 +	279	9088
Hydrogen Solar Cells Built Interconnectedly, Experts	4,271	43,445 +	226	9177
Plug-in Electric Vehicles (ICEs) to Cut Charging	4,271	77,183 +	140	9241
Solution: Battery, NaClO4, for Storage	5,200	13,076 +	240	9176
Global Progress: Spread Solar Management	1,480	12,256 +	151	9195

### ③ Net Zero x Topicキーワード で絞り込み

- ① smartphoneと入力すると、トピックの中でこのワードに関連するものが表示される



The screenshot shows the Scopus interface for a search on 'Net Zero'. The search results are filtered by 'Topic' and 'Keywords'. The 'Keywords' filter is set to 'smartphone'. The search results table shows the following data:

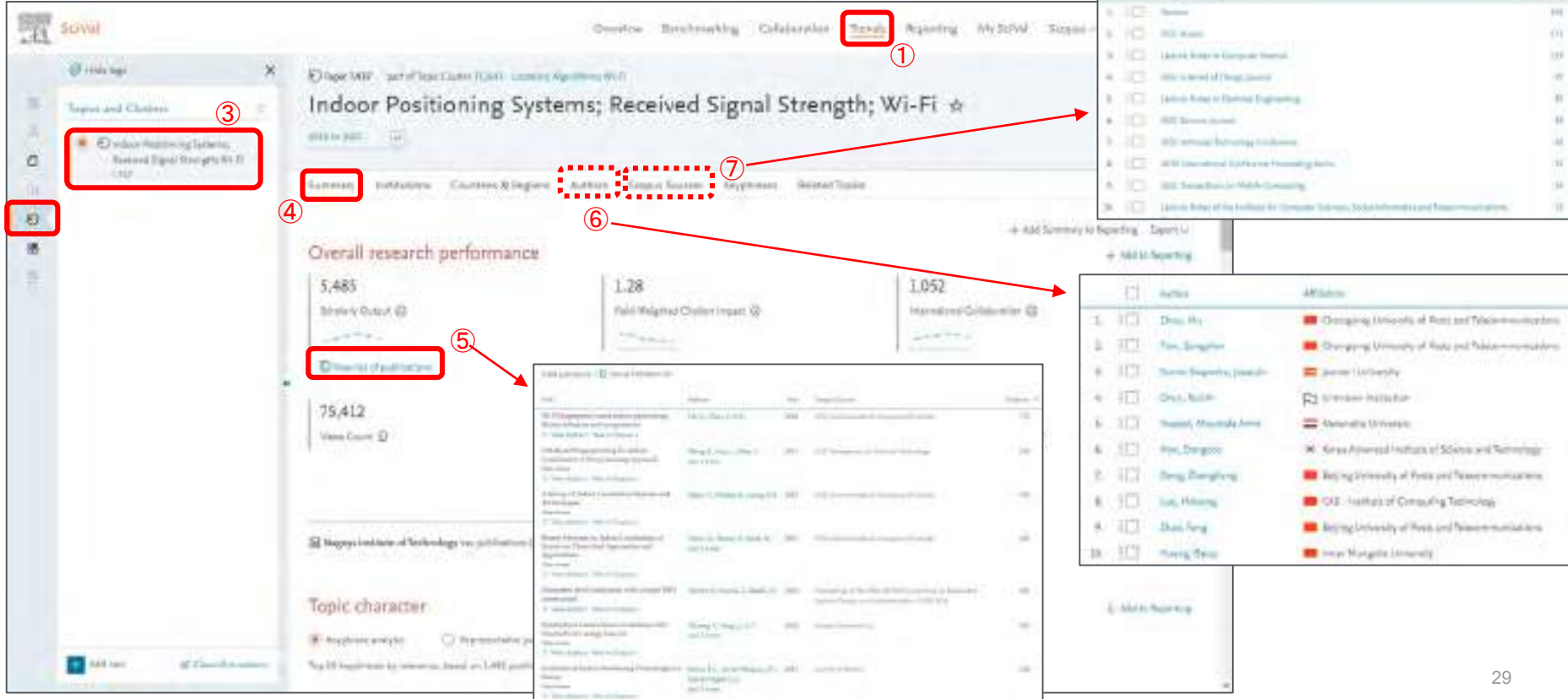
Topic	Subtopic	Subtopic Count	Topic Weighted Cluster Impact	Proportion of results
India: Policing Systems Secured Signal Strength With 5G	5G	16,100	2.00	90.1%
Cellular Networks Demand Frequency Hoisting	5G	10,000	1.00	55.0%
Greenhouse Production Individual Networks Combining	5G	10,000	1.00	55.0%
Bluetooth Mesh Networks Internet of Things	5G	10,000	1.00	55.0%



Smartphone

### ③ Net Zero x Topicキーワード で絞り込み

- ① Trendsモジュール、③ 特定のTopicに絞り込み、
- ⑤ 重要な文献を確認、⑥ このTopicで著名な研究者を確認、⑦ 投稿するジャーナル候補を確認



The screenshot displays the SciWise interface for a topic cluster. The main title is "Indoor Positioning Systems; Received Signal Strength; Wi-Fi". The interface includes a sidebar with a search filter (2), a topic selection box (3), and a list of journals (4). The main content area shows overall research performance metrics (5,485 citations, 1.28 field-weighted citation impact, 1,052 keywords/collaborators) and a list of publications (5). A table of authors (6) and a table of journals (7) are also visible.

**Annotations:**

- ①: Trends module
- ②: Search filter
- ③: Topic selection box
- ④: Journal list
- ⑤: Overall research performance metrics
- ⑥: List of authors
- ⑦: List of journals

**Table 1: Authors**

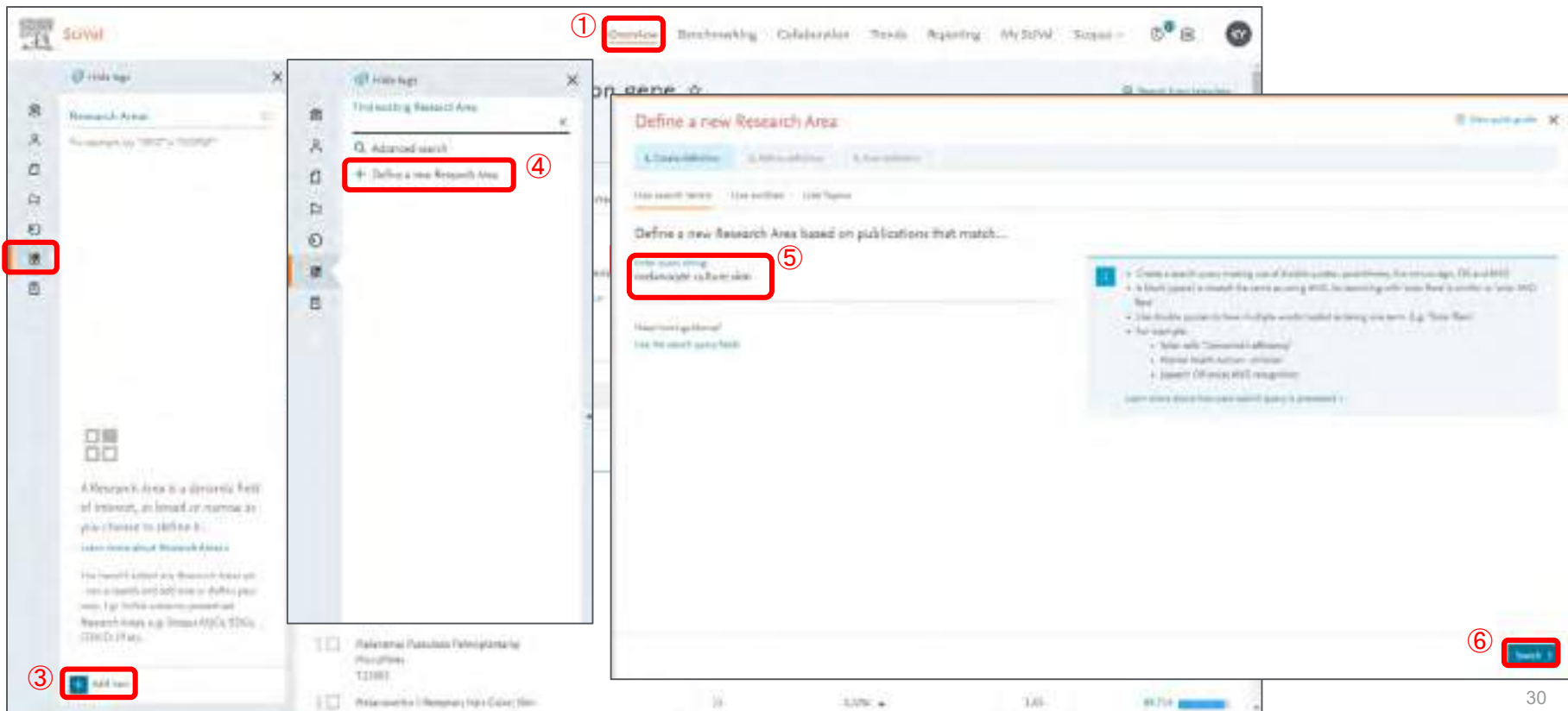
Rank	Author	Affiliation
1	Chen, Hui	Chongqing University of Post and Telecommunications
2	Tan, Songlin	Chongqing University of Post and Telecommunications
3	Shen, Qingyuan, Jianhui	Inner Mongolia University
4	Chen, Ruihan	Shenzhen Institution
5	Wang, Muzhen, Anqi	Guangdong University
6	Wu, Dongqiao	Guangdong University of Science and Technology
7	Deng, Changfeng	Beijing University of Posts and Telecommunications
8	Liu, Heliang	Xi'an Jiaotong University of Computing Technology
9	Diao, Peng	Beijing University of Posts and Telecommunications
10	Huang, Yibo	Inner Mongolia University

**Table 2: Journals**

Rank	Journal	Frequency
1	IEEE Access	111
2	IEEE Internet of Things Journal	97
3	IEEE Transactions on Emerging Topics in Computing	81
4	IEEE Systems, Man, and Cybernetics - Systems	68
5	IEEE Access	64
6	IEEE International Conference on Emerging Technologies and Applications	54
7	IEEE Transactions on Mobile Computing and Its Applications	54
8	IEEE Transactions on Systems, Man, and Cybernetics - Systems	54
9	IEEE Transactions on Systems, Man, and Cybernetics - Systems	54
10	IEEE Transactions on Systems, Man, and Cybernetics - Systems	54

# 【参考】 キーワードでリサーチエリアを作成する

例) 研究者のキーワードを掛け合わせることで、新たな研究テーマを考える(色素細胞 x 培養 x 皮膚)



1 Discover

2 Discover

3 Add new

4 + Define a new Research Area

5 melanocyte culture skin

6 Search

# 【参考】 キーワードでリサーチエリアを作成する

期間、分野や組織での絞り込みも可能

- ① 過去5年間で絞り込み、③文献セット名を記入

