

번호	내용	페이지	
1	LikeSNU	3	
1.1	Overview	3	
1.2	Feature	3	
1.3	How to use	7	
2	Home screen	9	
2.1	Menu area	9	
2.2	Knowledge Universe	10	
2.3	Recommended Books for you		
2.4	Recommended Papers on Your Interest		
2.5	Most Followed Collections, Must-See Collections		
2.6	Introduction and shortcut to LikeSNU		
3	Topic		
3.1	Topic information		
3.2	Topic Related Content		
4	Book	20 <b>23</b>	
4.1	Recommended Books for you	23	
4.2	Books Read by My Classmate	24	
4.3	Recommended Collections	25	
5	Paper	28	
5.1	Recommended Papers on Your Interest, Papers Read by My Classmate	28	
5.2	Recommended Collections	29	
6	Course	35	
6.1	Recommended Courses on Your Interest, Books and Papers Read by My Classmate	35	
6.2	Recommended Collections	36	
7	My LikeSNU	41	
7.1	My Knowledge Profile	41	
7.2	Content Usage Statistics and History	42	
7.3	My Collections, Following Collections	43	
8	Search	45	
8.1	Search All	45	
8.2	Search by content	46	
9	Book details	47	
9.1	Book details	47	
9.2	Related Books/Related Courses/Related Papers	49	
9.4	Collections including This Book	50	
10	Paper details	51	
10.1	Paper details	51	
10.2	Citation Topic	53	
10.3	Related Books/Related Courses/Related Papers	54	
10.4	Collections including This Paper	55	
11	Course details	56	
11.1	Course details	56	
11.2	Related Books/Related Courses/Related Papers	57	
11.3	Collections including This Course	58	
12	Collection details	59	
12.1	Collection details and content	59	





# 서울대답게 서울대처럼 LikeSNU

#### 1.1. Overview

- LikeSNU is a knowledge information platform based on the knowledge big data of Seoul National University (book loans, research papers, course syllabus, etc.)
- LikeSNU provides various recommendations for study, research by analyzing the knowledge data of Seoul National University. LikeSNU analyzes the knowledge history of Seoul National University, including 10 years of book loan, 2.3 million books, academic papers, history of taking courses, and course syllabus.

# Knowledge Data in LikeSNU

- SNU Library Loan Data
- SNU Library's Book
- Research Papers of SNU
- Citation Data
- User Information

- Course History
- Course Syllabus
- Web of Science
- SCOPUS
- KCI(Korea Citation Index)



## 1.2. Features

## Book

- What to Read?
  - Recommendation for my interests
  - Personalized recommendation based on my book loan history
  - Most read books of SNU, Colleges, Students
  - Books read by my classmates
- How to Read?
  - Books and reading order on my interests with 'Reading Road Map'

# Research Paper, Topic

- Where to Start?
  - Recommended topics based on my college and my interests
  - Papers and topics related to my interests
  - Review of studies on converging topics
- What to Read?
  - Papers read by my classmates
  - Visual exploration of citation network
- Which departments of SNU have studied this topic?
  - Understanding which departments involved in research on a specific topic and research collaboration relationships in 'SNU Research Collaboration Map'



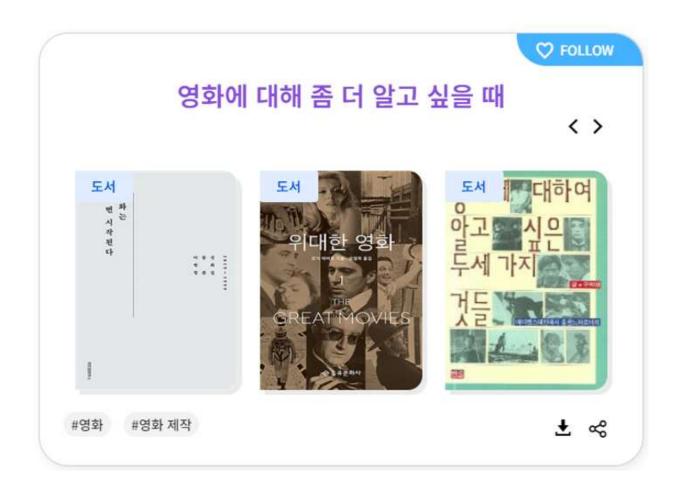
## 1.2. Features

## Course/Lecture

- What to Take Next?
  - Recommendation for my interests
  - Courses related to books and paper I read
- References for my study
  - Books, papers and courses similar with the specific course
  - Reference book and paper in course syllabus
- Support for Student-Designed Major
  - SNU courses related to several topics in 'Study Planner'

## Collection

- · Managing my interested books, papers, and courses in my 'Collection'
  - Following other's collections
  - Sharing my collections to others
  - Saving as 'My collection'
- Recommended Collections
  - Most followed collections of this month
  - Collections containing books recommended by 'Experts' on hot issues

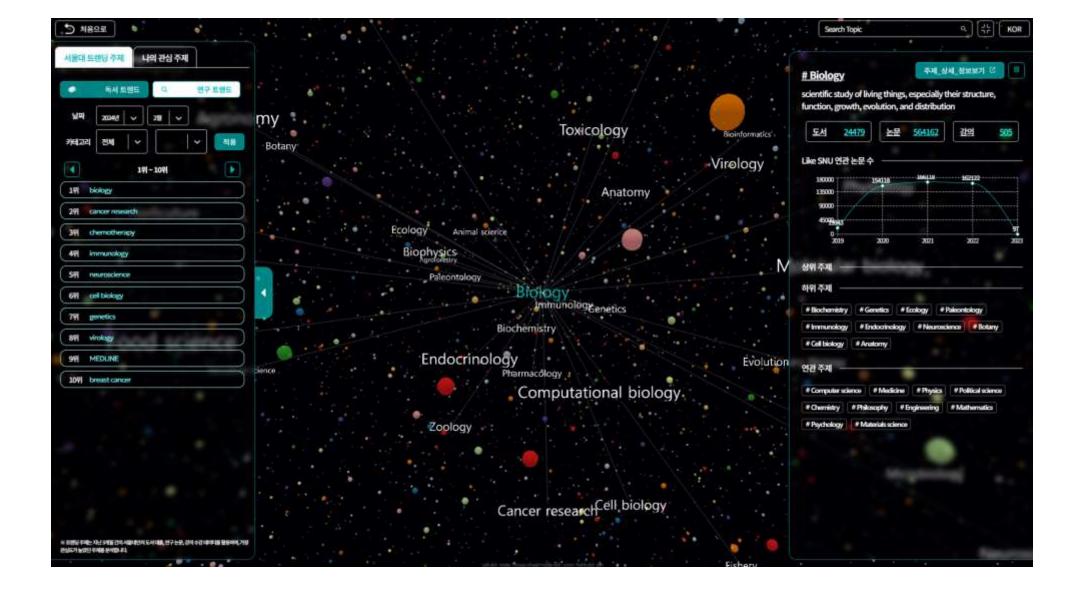




# 1.2. Features

# Knowledge Universe

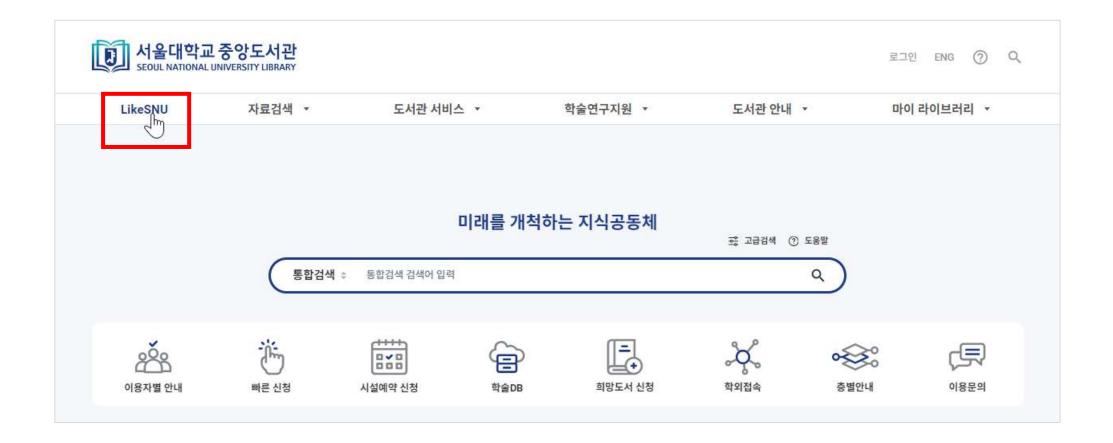
Explore 'Knowledge Universe' with the topic structure of LikeSNU data and Wiki data. You can find your interests among about 55,000 stars(topics) and understand reading and research trends at Seoul National University. Set 'My interests' to enjoy 'Knowledge Universe' and get more recommendation for you.



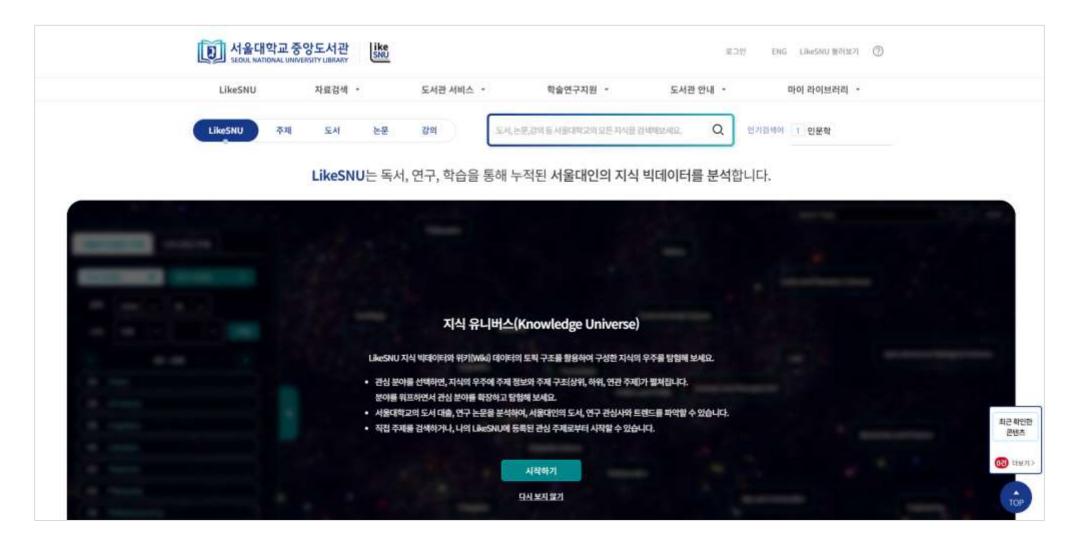


## 1.3. How to use

- Go to https://lib.snu.ac.kr
- Click LikeSNU (https://likesnu.snu.ac.kr)



## ⟨LikeSNU Homepage⟩





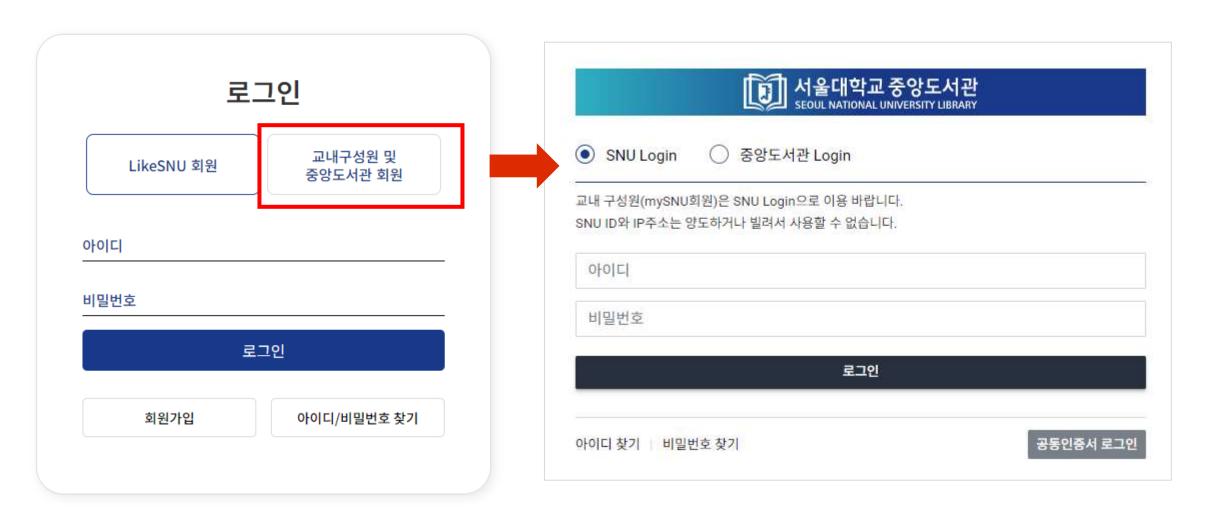


## 1.3. How to use

- Click the Login button at the top to log in
- LikeSNU's membership types are divided into LikeSNU members, Campus members, and Central library members, and select a membership type to log in
  - LikeSNU members can use the services of the Central Library except LikeSNU

Membership Type	Description	Scope of SNU Library Services
On-campus member (MySNU)	SNU members (students, faculty, staff)	Access to all services including LikeSNU
Central Library Member	Central Library Members	Services specified in the scope of membership including LikeSNU
LikeSNU Member	LikeSNU service member subscribers	LikeSNU

• If you select On-Campus Member or Central Library Member, go to the SNU Library homepage login screen and log in







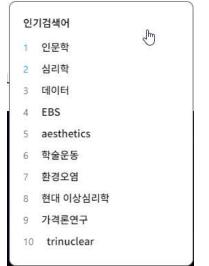
#### 2.1. Menu area

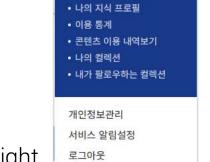
#### \* 2.1 is an area that is always exposed on all pages



- ① **[Go to main menu]** Menu area to go to LikeSNU Homepage, Topic, Book, Papers, and Course recommendation page
  - Home screen: The first screen you access in LikeSNU, providing the knowledge universe and personalized book recommendations, paper recommendations, popular collections, etc.
  - Topic: Related topics, related content, and topic convergence trends viewed through citations for the selected topic
  - Book: Personalized book recommendations, popular books from SNU, and more
  - Paper: Recommend papers on topics of interest to you, papers viewed by SNU students who took the same course, etc.
  - Course: Recommend SNU courses on topics of interest to you, books and papers read by SNU students who have taken the same courses, etc.
- ② [Search] Search for books, papers, courses, other materials (non-books), and collection information held by LikeSNU
- 3 [Top Search] Displays the most searched keywords in the last one week. Click to display a list of popular

search terms





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- 4 Click the [Manage My LikeSNU and Account] button to display the pop-up menu on the right
  - My LikeSNU: View your interests analyzed by LikeSNU (My Knowledge Profile) and add your own topics of interest
  - Account settings and management: modify account information, set up service notifications (set up to receive alert talks for campus members and central library members)



# 2.2. Knowledge Universe

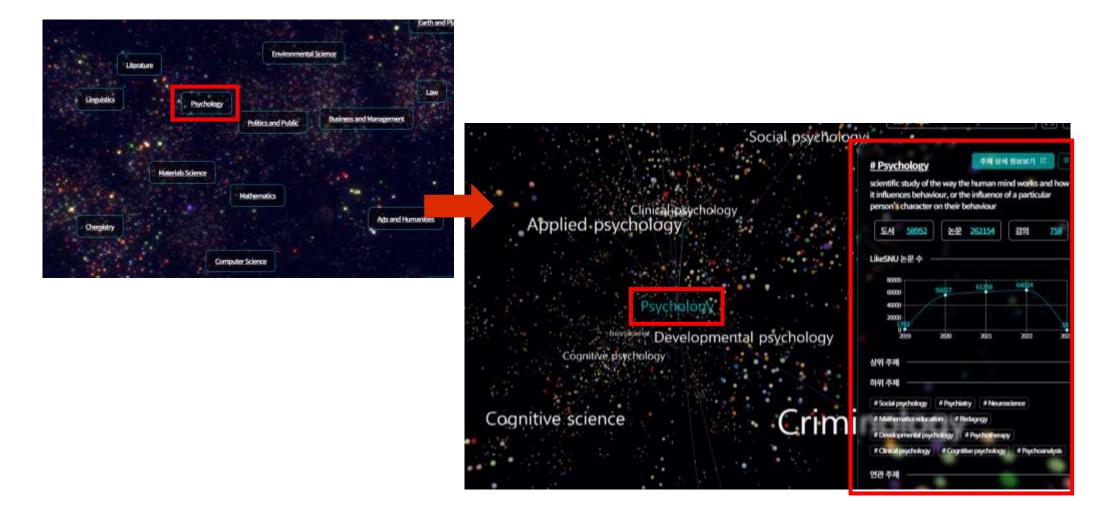
This is a service that allows users to visually explore the 'knowledge universe' consisting of 'topics' by utilizing the topic structure of LikeSNU's knowledge big data and wiki data.

# How to use it

If you're new to the Knowledge Universe, click 'Get started' and check out our user guide!



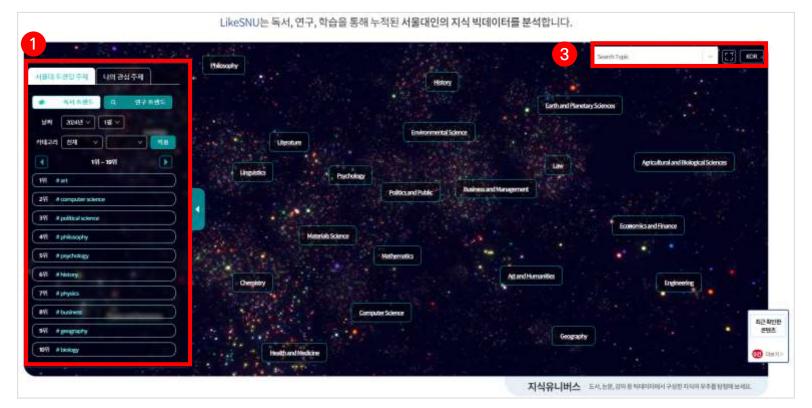
- How to start exploring by selecting a topic, the 'Star of Knowledge'?
  - Select 1 from the SNU trending topics on the left or your own topics of interest
  - Enter a keyword in the search bar on the top right and select 1 from the list provided
  - Select one of the major academic fields displayed in the middle that interests you







# 2.2. Knowledge Universe > Start Screen



- ① [SNU Trending Topics] Analyzes the book usage and paper publication information of SNU students over the past three months and displays the top topics of high interest
  - Reading Trends: Analyzes the main topics of books in Seoul National University library borrowing data
  - Research Trend: Analyzes the main topics of papers (S-Rims, S-Space) published by SNU researchers
  - Date: Displays reading and research trending topics for the selected period (3 months from the previous month)
  - Category: Trending topics of reading and research in selected colleges and departments are displayed
- ② [My Interests] Displays topics of interest (up to 10) from your LikeSNU
- ※ Click the ◀ button on the right to hide ① and ②, or click the area outside the window.

## ③ [Toolbar]

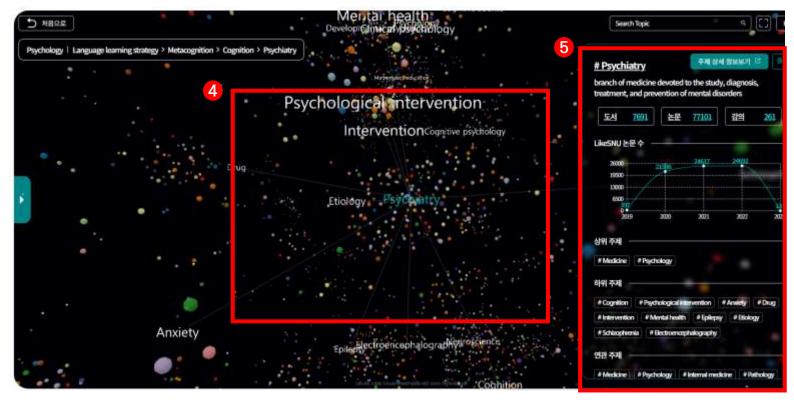
- Search bar: Search for and visualize topics by yourself
- View full screen: Open the knowledge universe in full screen
- Switch Korean/English: Access the Knowledge Universe in Korean or English







# 2.2. Knowledge Universe > Visualization navigation screen



#### [Visualization area]

- When you select a topic, the visualization results screen centered on the selected topic is displayed.
  - Displays the names and connections (lines) of subtopics (up to 10) of the selected topic (if there are subtopics).
- If no topic is selected (click in an empty space), the names of the closest topics are displayed, and the right popup window is hidden
- Mouse events provided by the visualization area
  - Mouse over a dot (node): (dot size temporarily increases) and displays the topic name
  - Mouse click on a dot (node): Selects a topic and displays a visualization centered on the selected topic
  - Mouse scroll: Zooms the screen
  - Left mouse click + drag: Change camera viewpoint/angle
  - Right-click + drag: Pan the screen
- [Topic Information(Popup)] Displays selected topic information (number of related contents, number of papers categorized in this topic in the last 5 years, related topics)
  - View topic details: Go to the topic details page (new tab)
  - Book/Paper/Course button: Go to the related content page of the topic
  - Parent/Child/Related topic button: Displays a visualization screen centered on that topic
  - Top right hidden icon: Hide the right pop-up window

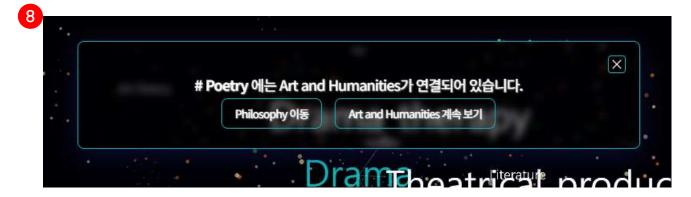




2.2. Knowledge Universe > Visualization navigation screen



- ⑥ [Back] Go to Knowledge Universe > Start screen
- ⑦ [Path to Selected Topic]
  - The first area displays the major academic discipline to which the selected topic belongs
  - On the right side, the history of selected topics in that discipline is displayed
- (a) [Change discipline when selecting a topic] When you click a topic in the search bar or the pop-up window on the left and right, if the selected topic also belongs to another discipline, the following selection window is displayed
  - If the topic belongs to both the discipline you're currently viewing and another discipline



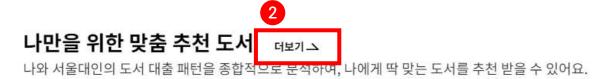
- If the topic belongs to an academic discipline other than the one you are currently viewing

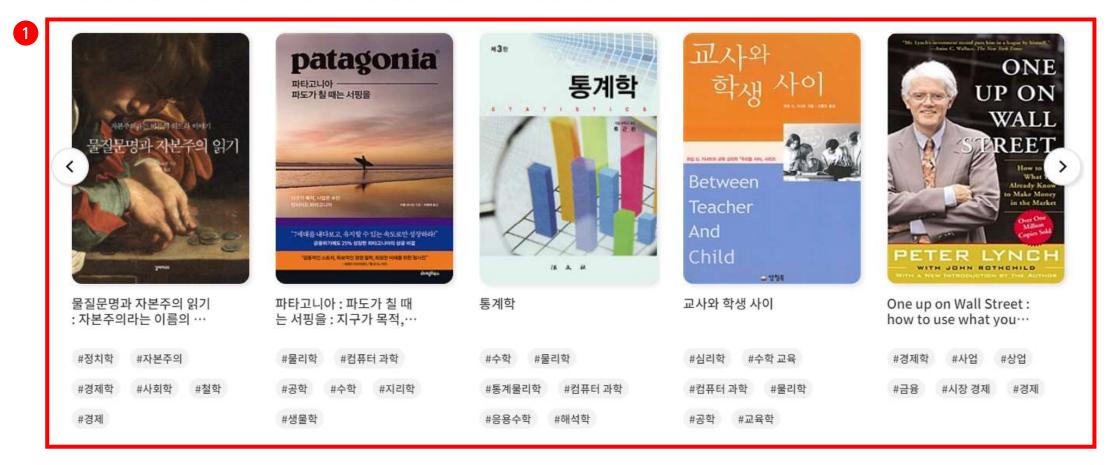






# 2.3. Recommended Books for you





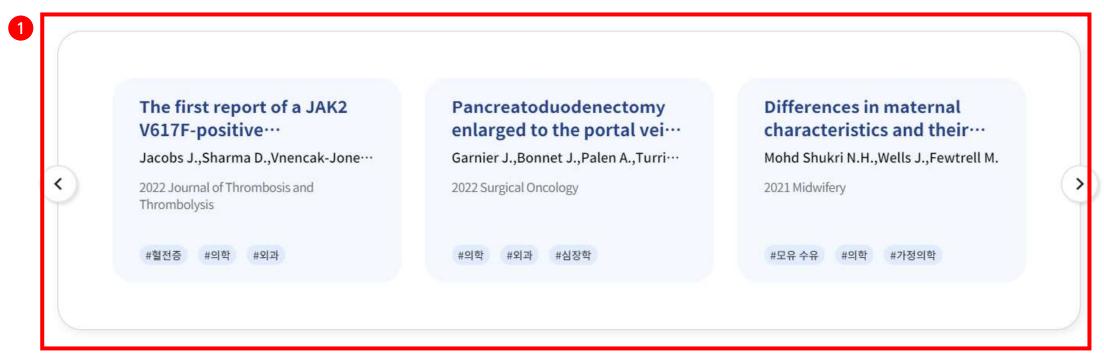
- ① [Recommended Books for you] recommends 100 personalized books by comprehensively analyzing the user's borrowing history, user and borrowed book information
  - If you are logged out or don't have any books checked out: Recommend related books with the top reading trends of Seoul National University students
- ② Click [More] to go to a page that provides a full list of recommendation results
  - Sorting: Recommendation order, Newest
  - Filter: Select a book category, Show only academic books, Show only e-books





# 2.4. Recommended Papers on Your Interest





- ① [Recommended Papers on Your Interest] recommends papers related to your topics of interest (your LikeSNU > Knowledge Profile)
  - If you are logged out or have no topic of interest: Recommend one related book from the research trends of SNU people
- ② Click [More] will take you to a page with a full list of recommendations
  - Sort: by relevance, by citations, and by newest

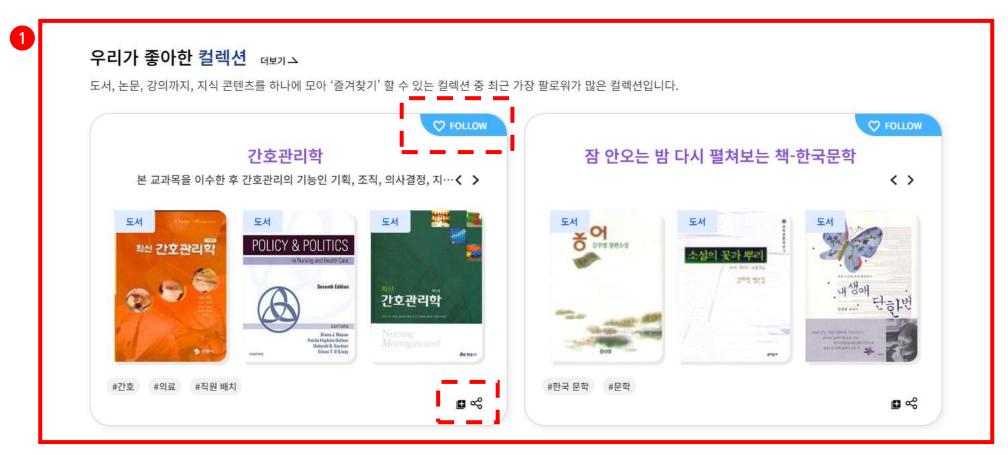






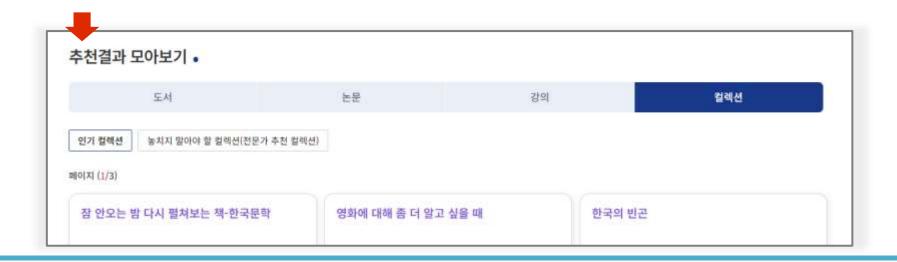


## 2.5 Most Followed Collections, Must-See Collections





- ① [Most Followed Collections] that have received the most Follow in the last month
  - Follow: When you click the button, you'll see a pop-up indicating that you've followed the collection, or if you've followed it, you'll see a pop-up indicating that you've unfollowed it
  - Save to My Collection: Click to add it to your collection
  - Share: When clicked, a pop-up window appears stating that the information has been copied to the clipboard, and the collection information and URL are copied to the clipboard
- ② [Must-See Collections] Recommend collections organized by experts on recent hot topics, popular topics, etc.
  - Click More will take you to a page with a full list of recommendations

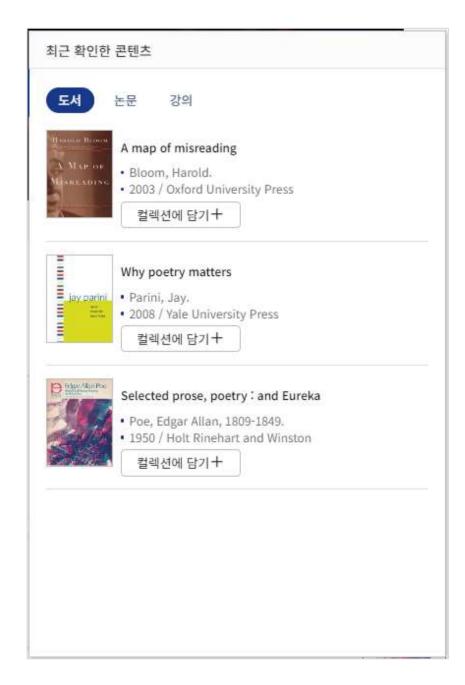




#### 2.6. Introduction and shortcut to LikeSNU



- ① [Key features of LikeSNU] Introduces the main features of each page provided by LikeSNU and provides a button to shortcut to the page. Link to the same page as when clicking Books, Papers, Courses in the top header area
- ② [Your Browsing History] Provides a list of books, papers, and courses viewed on LikeSNU
  - Click to see the full list, with visited content displayed in the content details







# Managing content through collections

## Actions on each content

- If you click the action button (...) on the right side of the content information that appears in the LikeSNU service, a pop-up menu window appears.
- Depending on the type of content, different choices are provided, but the common option is 'Add to collection', which allows you to add the content to your collection.



## Add to collection

- When you start to add to a collection, you will see the collections you currently have
- To add content to your collection, click the + button on the right (multiple selections are available)
- When adding content, you can enter notes.



# Creating a collection

- If you don't have any collections, or if you want to create a new collection to store your content,
   click 'Create Collection'
- You can enter a title, description (optional), related topics, and set visibility settings for the collection







## 3.1. Topic information

Click a topic from the menu (the first of SNU's trending topics is automatically selected), or click #topic from within the service screen to see related topics, related content, and more for the selected topic.



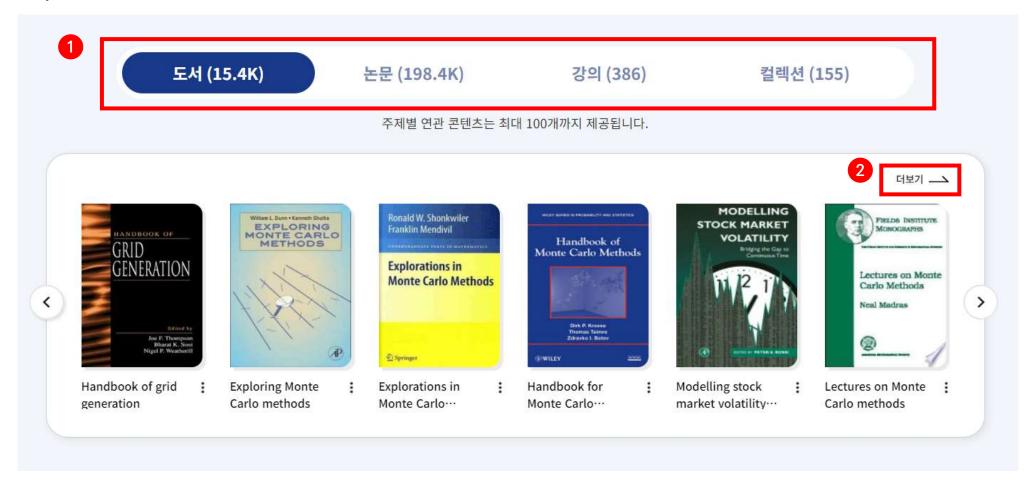
- ① [Select a Topic] You can select topics in a tree structure, starting from the top-level topics to the lower-level topics
  - When clicked, the top-level topics are displayed first (see image on the right)
- (2) [Topic Information] Displays the name of this topic and a brief description of the topic
- ③ [Parent, Child, Related topics] Parent, child, and related topics of this topic are displayed
  - Utilizing the topic structure of wiki data
- (4) [Converging Topics] Utilizes citation information from papers to display topics that this topic cites or is cited by
  - You can see what topics this topic has been converged with over the years
  - By providing the number of LikeSNU papers categorized in this topic, you
    can see how the number of published papers changes according to the cited
    convergence topics



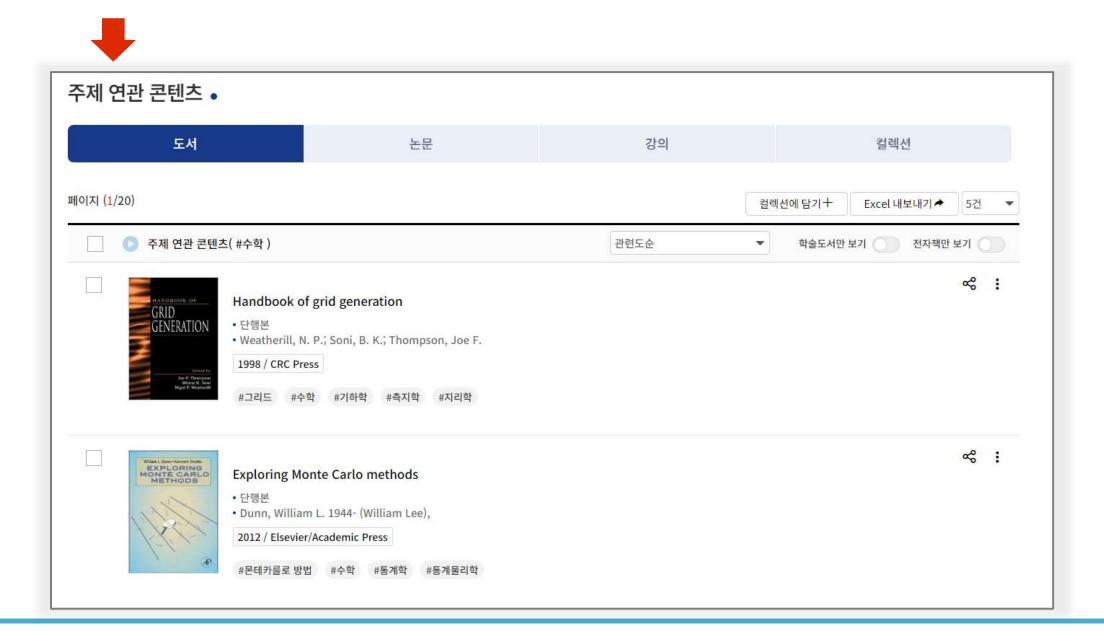




## 3.2. Topic Related Content



- ① [Topic Related Content] Displays books, papers, courses, and LikeSNU collections related to this topic
  - You can check each content by clicking the tab
- ② Click [More] button takes you to a full list of topic-related content books, papers, courses, and collections





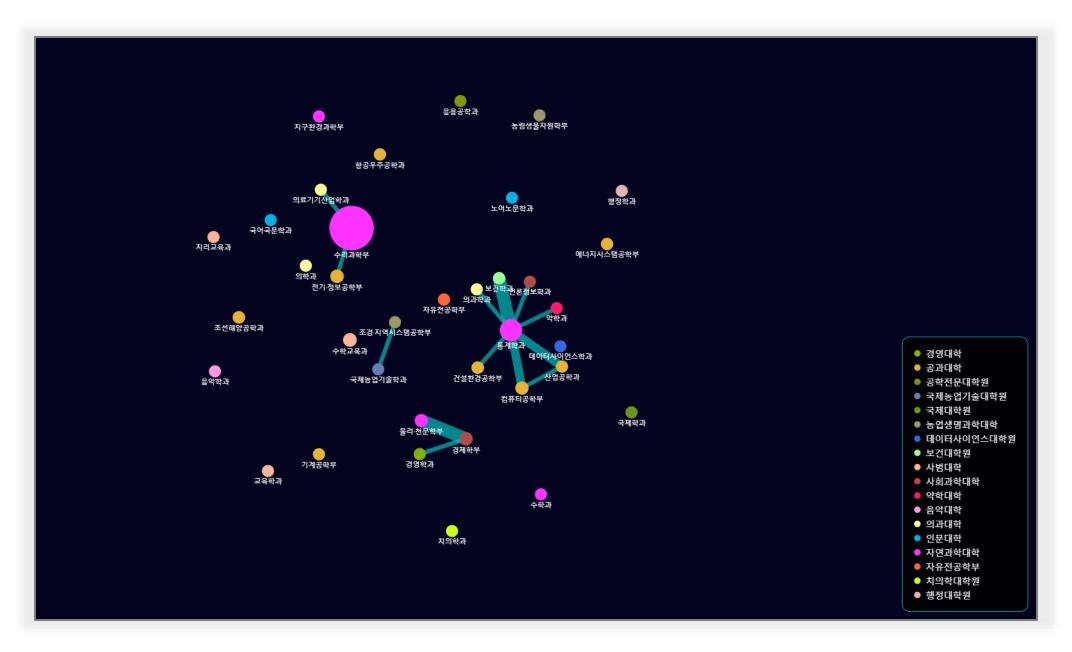
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# 3.2.1. SNU Research Collaboration Map

① [SNU Research Collaboration Map] Analyzes related SNU published papers (S-Rims, S-Space) of this topic and provides a visual representation of research collaboration (co-authorship) between departments





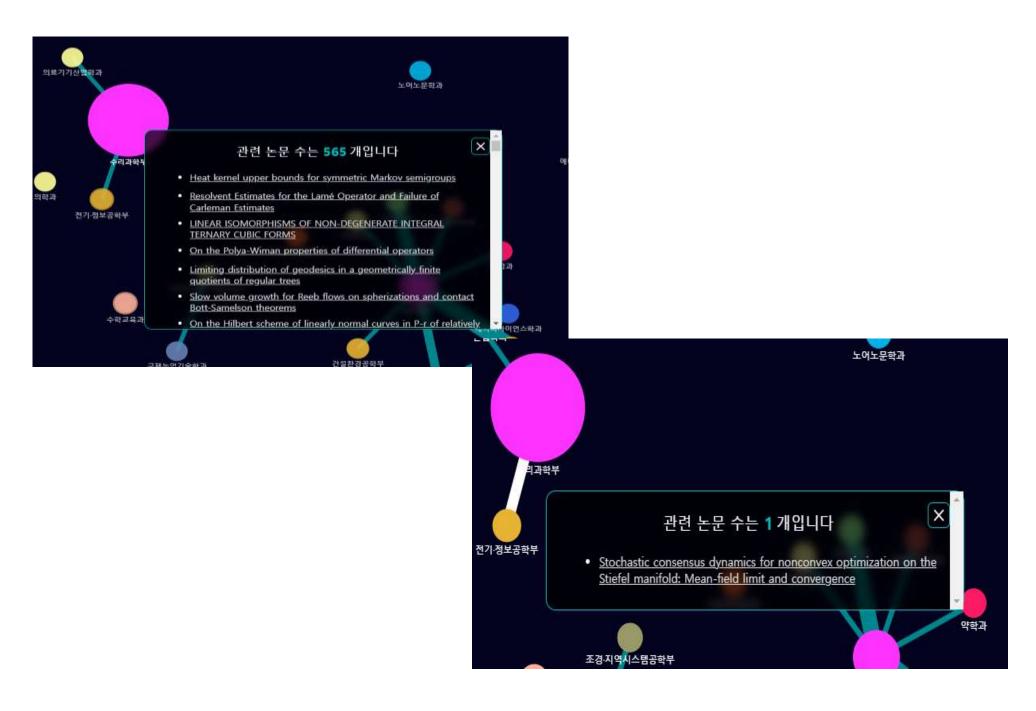




## 3.2.1. SNU Research Collaboration Map

#### ② [Visualization Area]

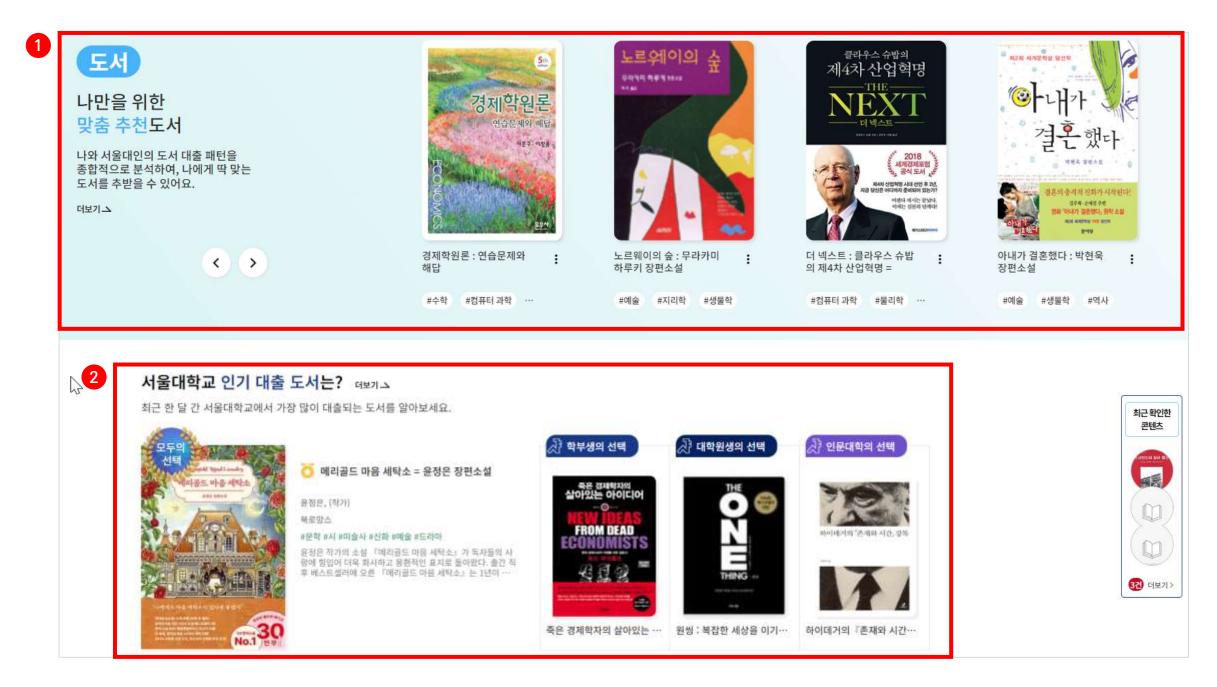
- Analyzes SNU papers related to the selected topic and visualizes the research collaboration (co-authorship) between SNU departments and departments that participated in the papers
  - Dots represent 'departments'. The larger the number of published papers, the larger the size of the dot, and different colors are displayed for each college
  - Lines represent 'research collaboration'. The more co-authorships, the thicker the line
- Mouse events provided by the visualization area
  - Clicking on a dot: A pop-up window displays the number of papers authored by researchers in the selected department and a list of them
  - Clicking on a line: A pop-up window shows the number and list of co-authored papers between the two departments connected to the line
  - Mouse scroll: Zoom the screen
  - Left-click + drag: pan the screen







# 4.1 Recommended Books for you



- ① [Recommended Books for you] recommends 100 personalized books by comprehensively analyzing the user's borrowing history, user and borrowed book information
  - If you are logged out or have no borrowed books: Recommend 1 related book from the reading trends of SNU students (displayed in Knowledge Universe)
  - Same as 'Personalized book recommendations for me' on the home screen
- ② [Most Read Books] Recommends the most borrowed books (paperbacks, e-books) from Seoul National University in the last 1 month (1st to last day of the previous month)
  - Everyone's Choice: Books checked out by the most people
  - Students' Choice: The most borrowed books by undergraduate students
  - Graduate Students' Choice: Books most checked out by graduate students
  - Colleges' picks: most borrowed books from the user's own college or other colleges



## 4.2 Books Read by My Classmate

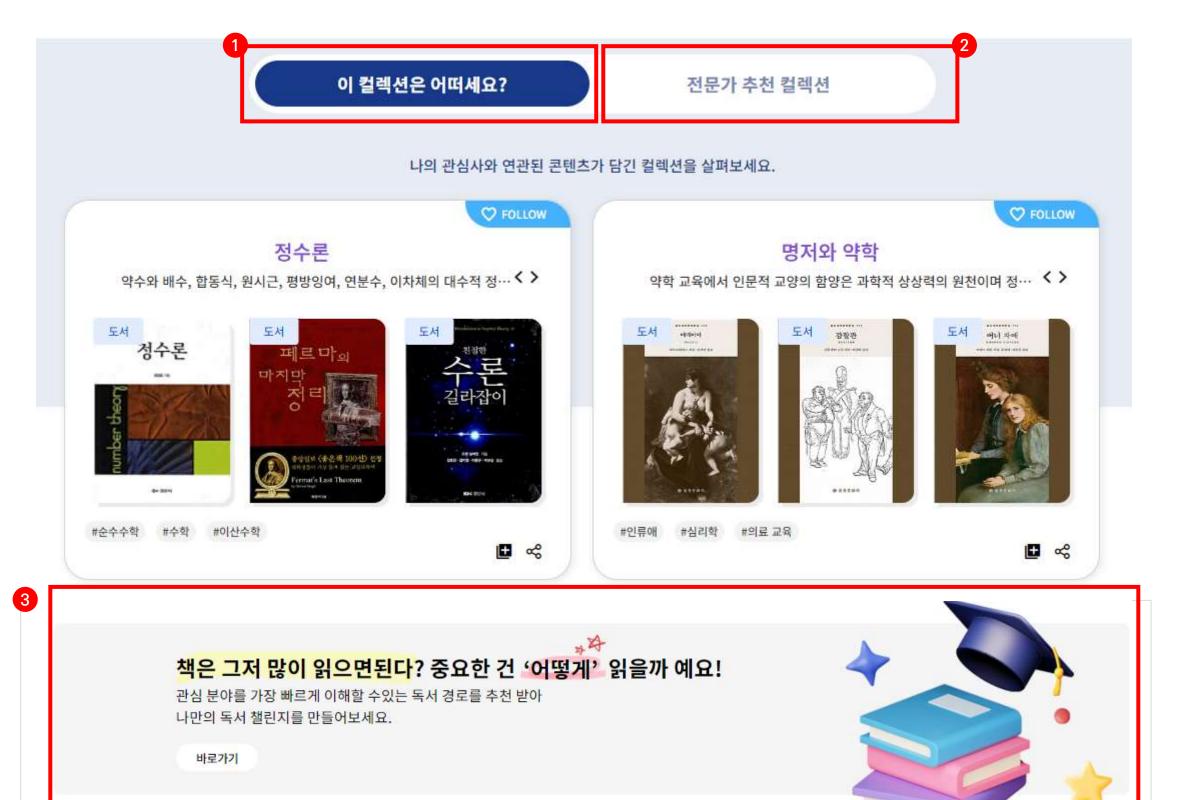


- ① [Select Course] Courses you have taken in recent semesters are displayed
  - If you are logged out or don't have a course: Shows one related course from SNU's research trends (displayed in Knowledge Universe)
- ② [Books Read by My Classmate] Recommend books that have been checked out by people who have taken the selected course
  - Since the purpose is to identify books related to the selected course, the analysis also includes borrowing data from users with different course duration
  - Click More buttons takes you to a page that provides a full list of suggested results
    - : You can swap lessons in the right selectbox, or change the sorting (most used/newest)





#### 4.3 Recommended Collections



- ① [Recommended Collections] Displays a Collection that includes the books displayed in the personalized book recommendations for you
  - You can see what other users have included books that match your interests
- ② [Must-see Collections] Collection including books related to the latest hot topic picked by "Experts"
  - Provides the same results as 'Must-see Collections' on the home screen
- (3) [LikeSNU Reading Road Map] When you select a start book and a target book, it provides a path of books that SNU students have read in between

# 4.3.1 LikeSNU Reading Road Map

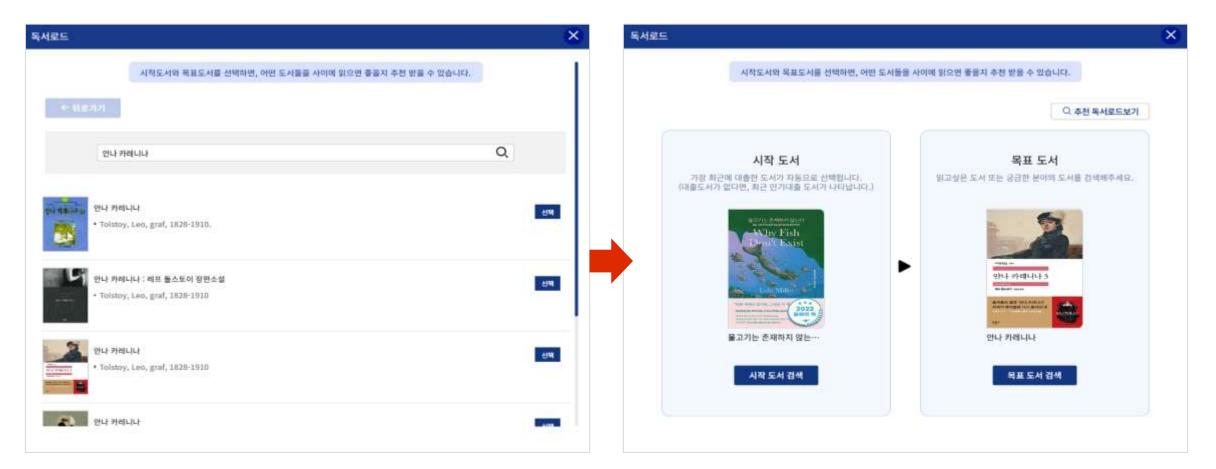
#### ① [Search for Start Book]

Start book: A recently borrowed book is automatically selected. If there are no borrowed books,
 recent popular borrowed books will appear



# ② [Search for target book]

 Click the [Search Target Books] button to search for books you want to read or books in the field you are interested in







# 4.3.1 LikeSNU Reading Road Map

## ③ [View recommended reading load]

- Once you have decided on a starting book and a target book, click 'View Recommended Reading Load' in the upper right corner
- The path between the starting book and the target book will be displayed.



## (4) [Add to Collection]

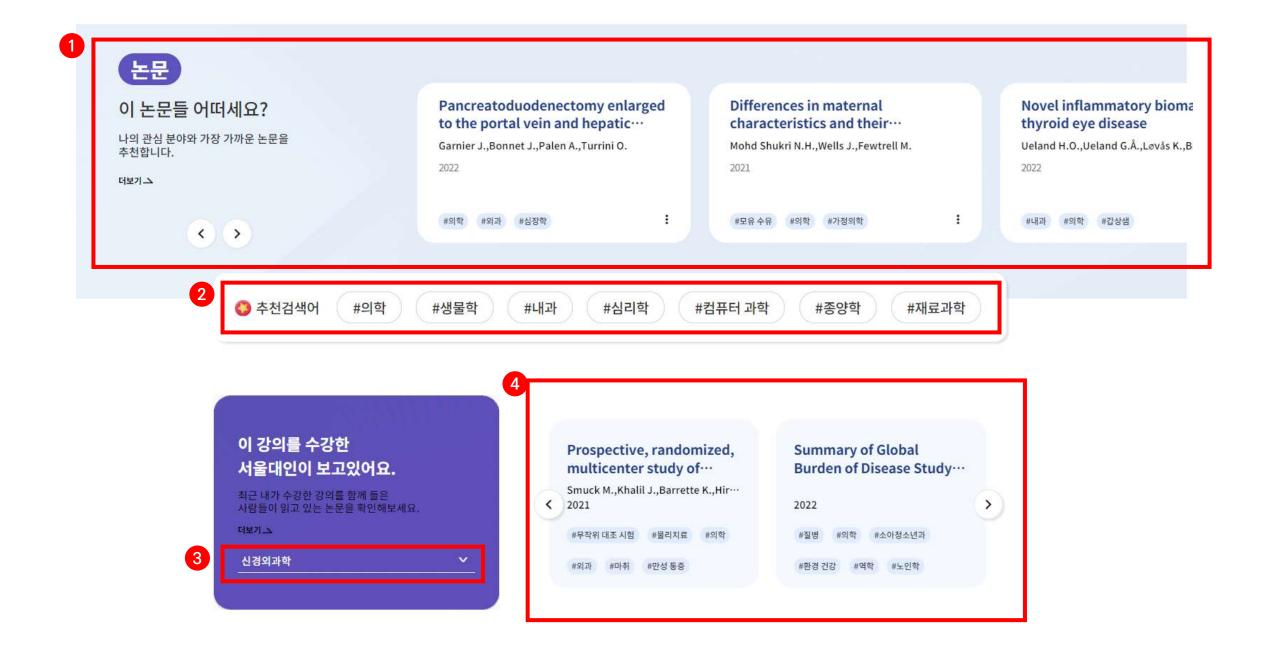
- Click the 'Add to Collection' button to add the book that appeared in your reading path to your collection
- When you start 'Add to Collection', a list of your collections will appear, allowing you to save the results to the collection of your choice
  - \* For more information about containing collections, see 'Managing content with collections'







5.1 Recommended Papers on Your Interest, Papers Read By My Classmates

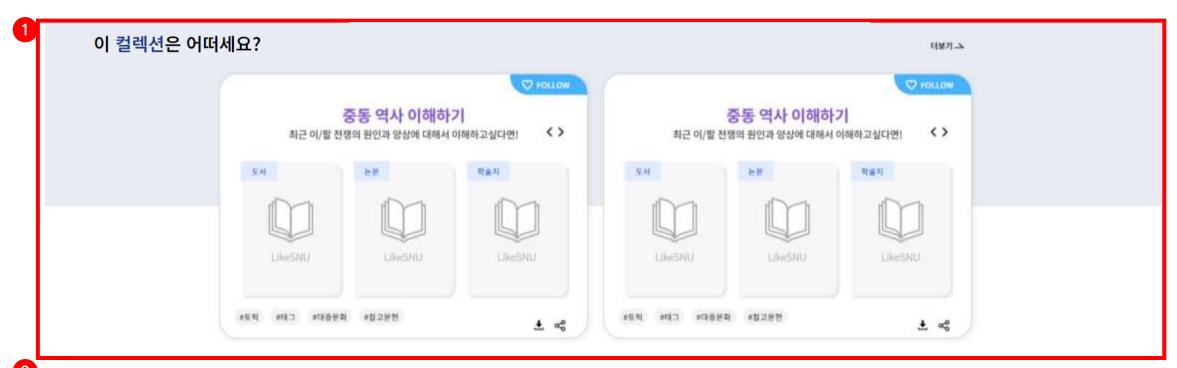


- ① [Recommended Papers on Your Interest] displays papers that are highly related to the topic selected in ②
- ② [User's Interested Topics List] Displays the list of interested topics identified by analyzing the user's books, papers, courses, and LikeSNU service usage history, as well as the list of interested topics registered by the user
  - When logged out or no topics of interest: Displays research trends of SNU students (displayed in the knowledge universe)
  - One course is randomly selected for first time access
- ③ [Select Course] Displays the courses you have taken in the last semester
  - If you are logged out or have not taken any courses: Display one related course from the research trends of SNU people (displayed in the Knowledge Universe)
- (4) [Papers Read By My Classmates] Recommend papers that people who took the selected course have 'read' on LikeSNU





## 5.2. Recommended Collections



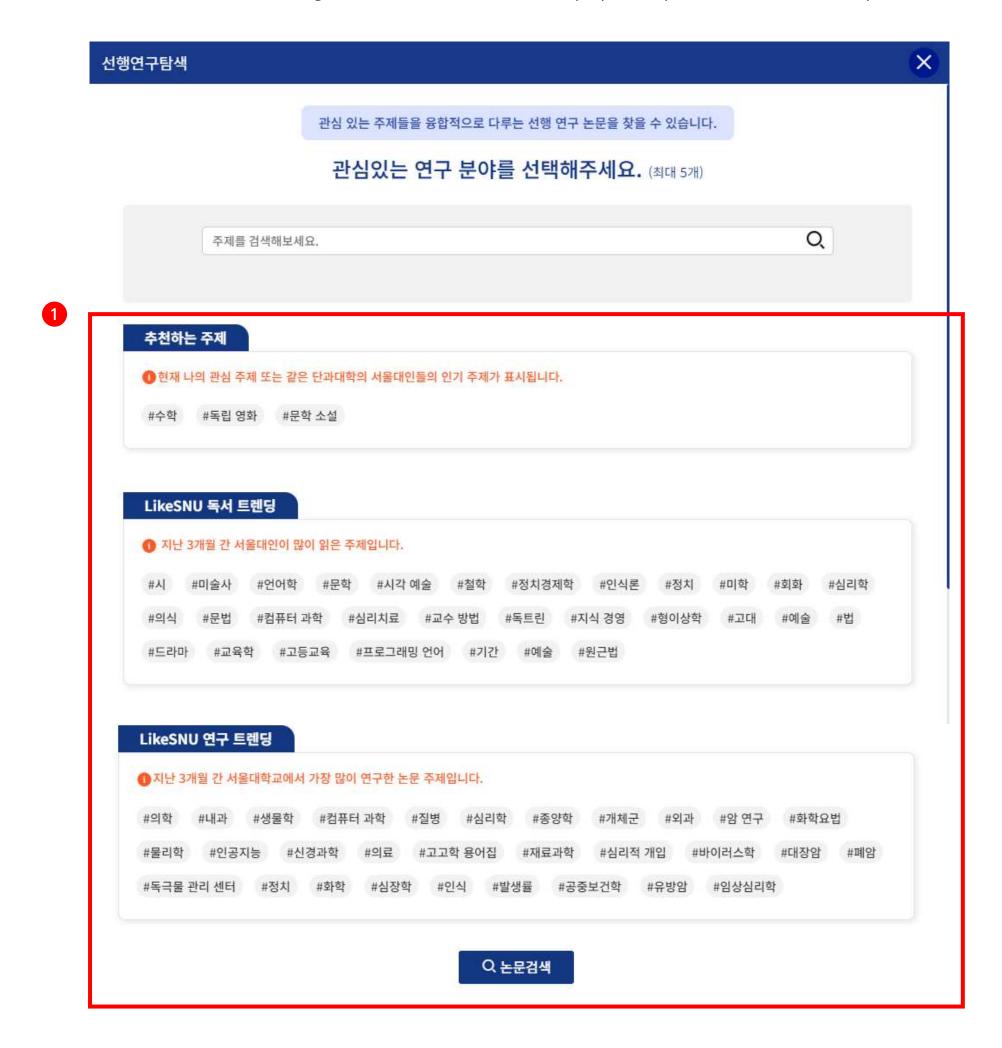


- ① [Recommended Collections] Displays the Collection that contains the papers displayed in the recommended papers related to the topic of interest
  - You can see what other users have included alongside papers that match your interests
- ② [Review of Studies] A feature to explore prior research papers that combine multiple research fields

#### 5.2.1. Review of Studies

## ① [Recommended topics]

- Recommended topics: Current topics of interest to you or popular topics among SNU students in the same college are displayed
- LikeSNU Reading Trending: Topics that have been read by SNU students in the past 3 months
- LikeSNU Research Trending: The most researched paper topics at SNU in the past 3 months





#### 5.2.1. Review of Studies

## ② [Select and search topics]

- When you click a topic, the topic will appear on the top and 'More related topics' will be created



- You can add topics by searching for them in the search bar



 You can select up to 5 topics, and if you exceed 5 topics, a notification message appears that you cannot add more



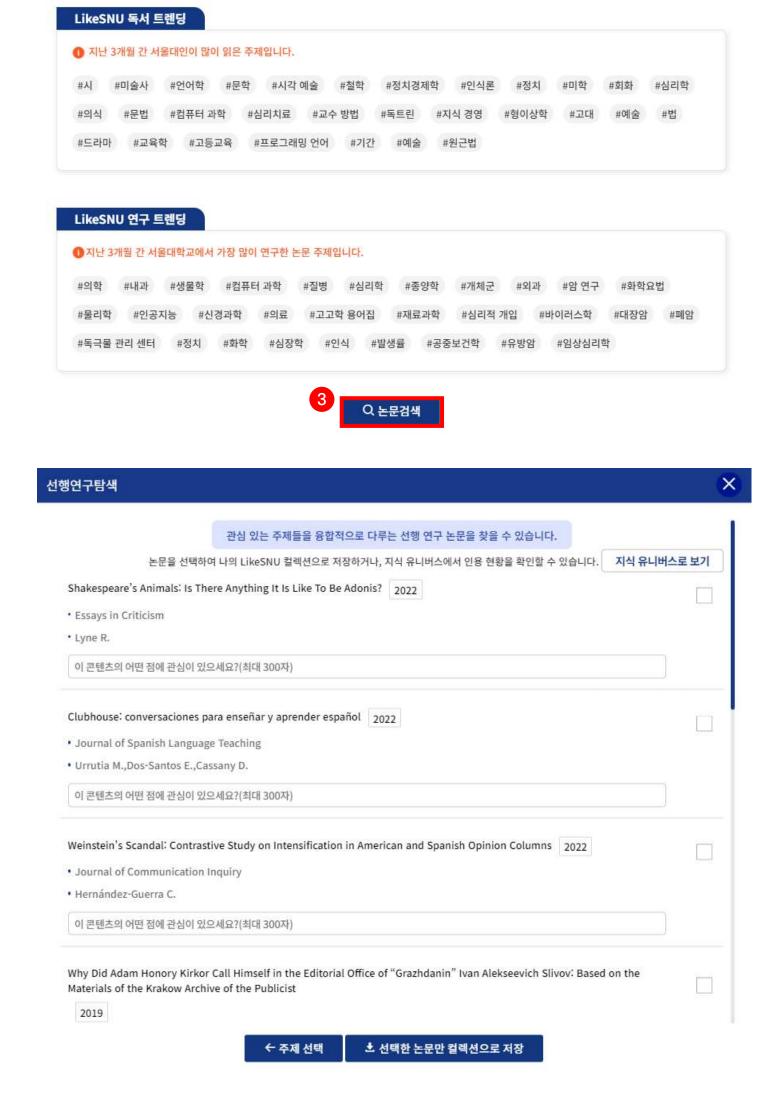




#### 5.2.1. Review of Studies

## ③ [Papers results]

 After selecting a topic, click the 'Search' button at the bottom to display the results of papers related to the topic

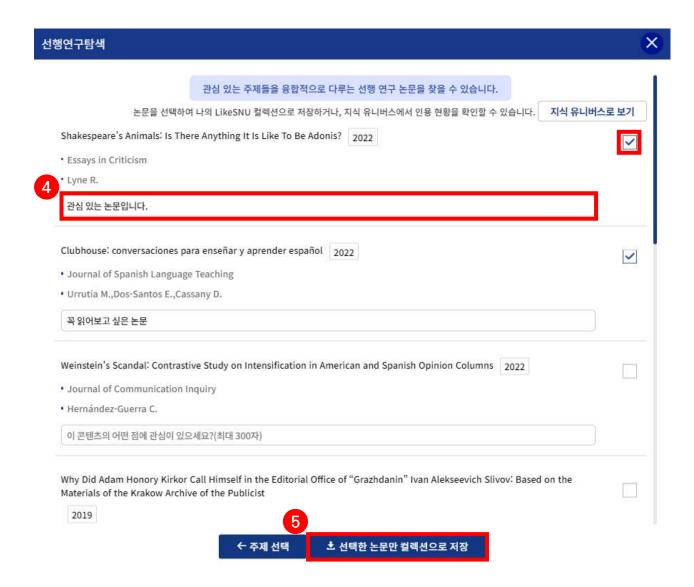




#### 5.2.1. Review of Studies

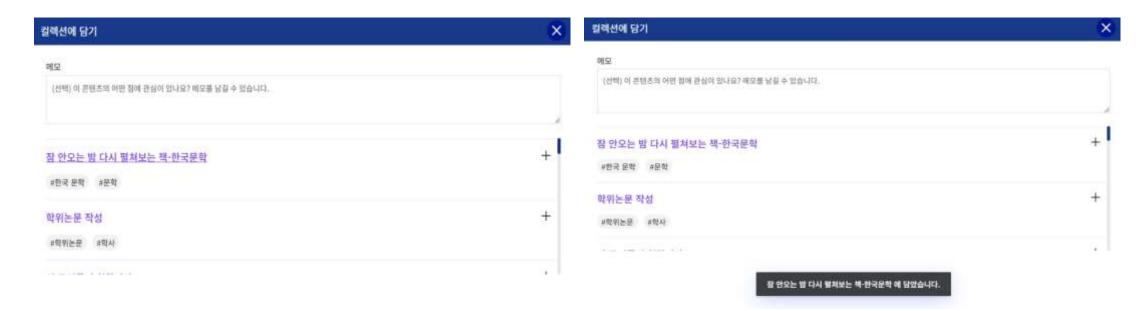
## ④ [Paper selection and notes]

- You can select an paper you are interested in or leave a short note



# ⑤ [Add only selected papers to Collection]

- If you click the 'Save only selected papers as a collection' button, a new page will appear with a list of your existing collections
- Select a collection and a message will appear to confirm that it has been added to the collection



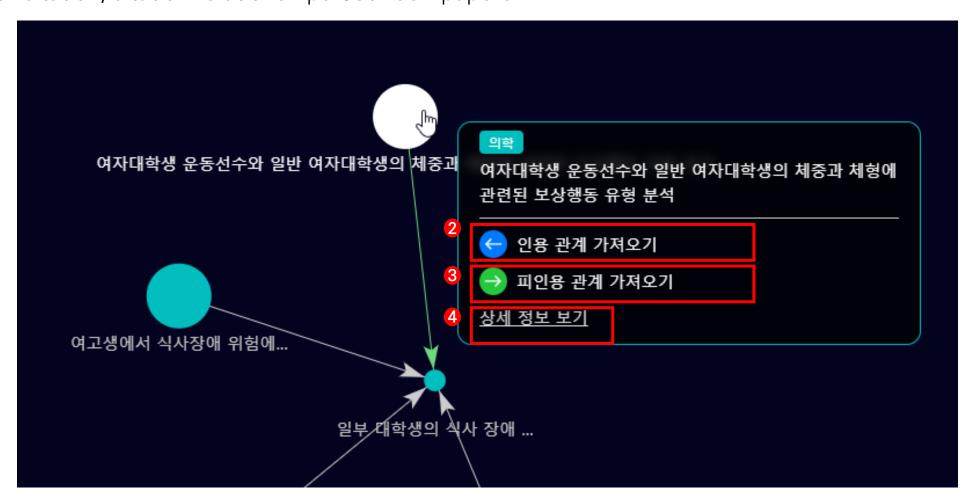




#### 5.2.1. Review of Studies

## ⑥ [View as Knowledge Universe]

 Click the 'View as Knowledge Universe' button, and a new page will appear with a visualization of citation/citation relationships between papers



#### [Visualization Area]

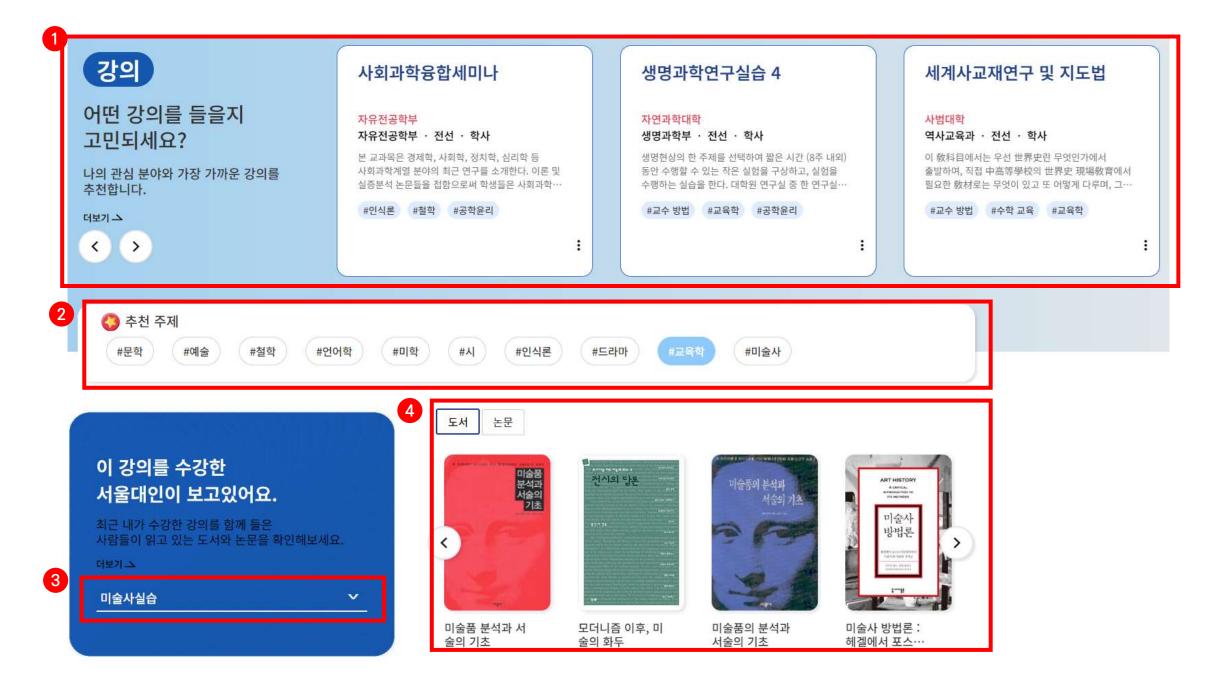
- Shows cite-cited relationships centered on the selected paper
  - : Cited papers → Cited papers
- Mouse events provided by the visualization area
  - Clicking on a dot (node): Displays a pop-up menu to get the name of the paper, cited and cc'd papers, and detailed information
  - Mouse scroll: Zoom in/out of the screen
  - Left mouse click + drag: Pan the screen
- If you click [Get Citation Relationships], additional citation relationships of the clicked paper will be displayed on the screen. If there are no papers to import, the message 'No cited papers to import' appears
- If you click [Get Cited Relationships], to display additional papers and relationships that cite the clicked paper. If there are no papers to import, the message 'There are no cited papers to import' appears.
- Click the ['View details'] button will take you to the paper's detail page





## 6. Courses

6.1 Recommended Courses on Your Interest, Books and Papers Read by My Classmate



- ① [Recommended Courses on Your Interest] Displays SNU courses (recent semester courses) that are highly relevant to the topic selected in ②
- ② [User's Interested Topics List] Displays a list of interested topics identified by analyzing the user's books, papers, courses, and LikeSNU service usage history, as well as topics registered by the user
  - If logged out or no topics of interest: Displays research trends of SNU students (displayed in the knowledge universe)
  - One course is randomly selected for first time access
- ③ [Select Course] Displays the courses you have taken in the last semester
  - If you are logged out or have not taken any courses: Display one related course from the research trends of SNU people (displayed in the Knowledge Universe)
- (4) [Books and Papers Read by My Classmate] Recommend books and papers borrowed from LikeSNU by people who took the selected course



# 6. Courses

## 6.2 Recommended Collections



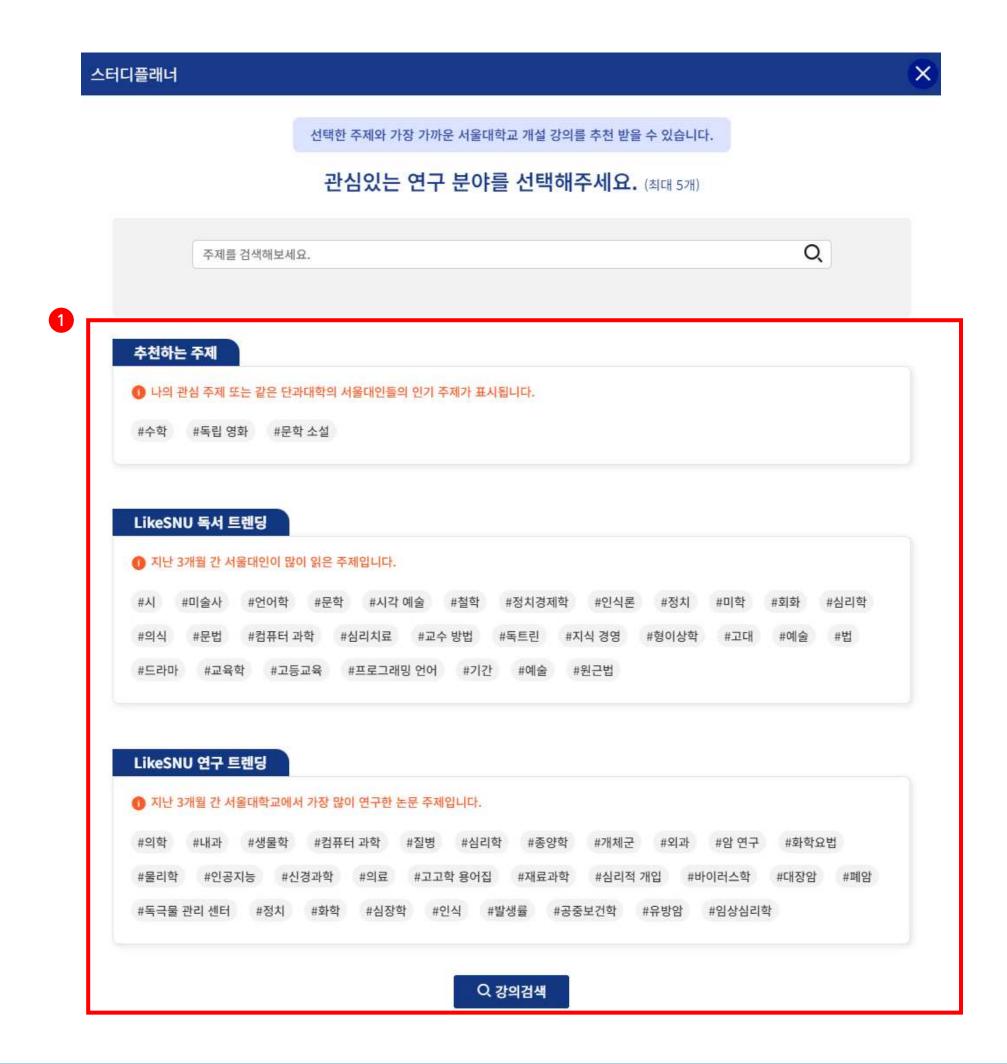
- ① [Recommended Collections] Displays the LikeSNU collection that contains the courses displayed in the recommended courses related to the topic of interest
  - You can see what other users have included with the courses that match your interests
- ② [Study Planner] A feature that searches for and provides SNU courses that combine multiple fields of study



## 6.2.1. Study Planner

#### ① [Recommended topics]

- Recommended topics: Shows topics that are currently of interest to you or popular among SNU students in the same college
- LikeSNU Reading Trending: Topics that have been read by SNU students in the past 3 months
- LikeSNU Study Trending: The most studied course topics at SNU in the past 3 months







# 6.2.1. Study Planner

#### ② [Select and search topics]

- When you click on a topic, the topic will appear on the top and 'More related topics' will be created



- You can add topics by searching for them in the search bar



 You can select up to five topics, and if you exceed five, a notification message appears that you can't add more







## 6.2.1. Study Planner

#### ③ [Course Results]

 After selecting a topic, click the 'Course Search' button at the bottom to display the course results related to the topic

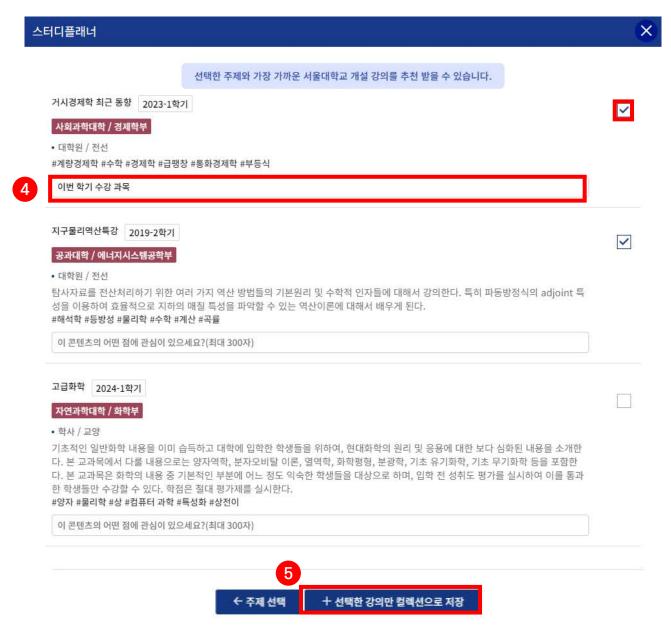




## 6.2.1. Study Planner

#### (4) [Course selection and notes]

- You can select a course you are interested in or leave a short note



### ⑤ [Add only selected courses to Collection]

- If you click the 'Save only selected courses as a collection' button, a pop-up window will appear with a list of your existing collections
- Select a collection and a message will appear to confirm that it has been added to the collection







## 7.1. My Knowledge Profile



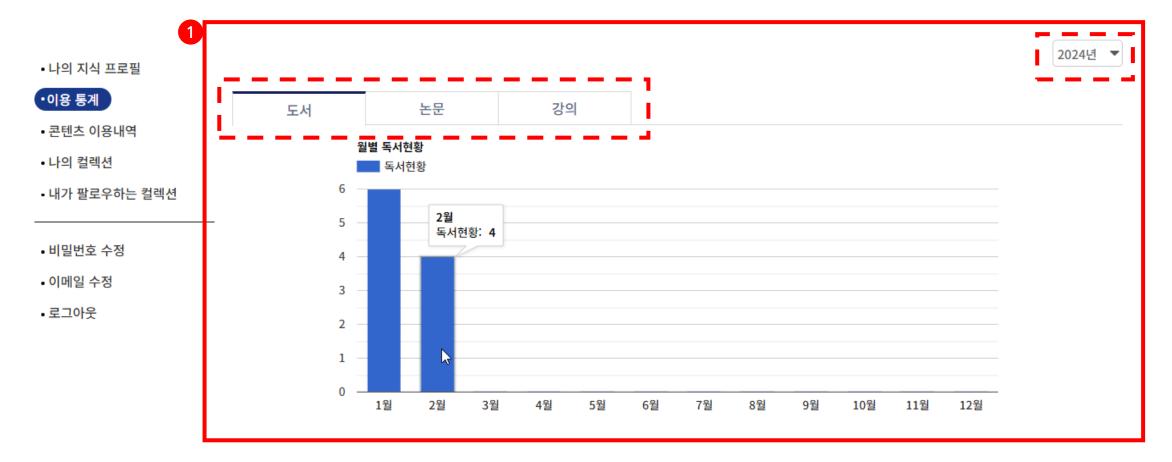
- ① [My Interests] Displays 'My Interested Topics' identified by analyzing various data such as books checked out (or already read) at SNU, papers published (or already read), courses taken/opened at SNU, SNU Library search query logs, and LikeSNU activity logs (up to 5)
  - Click on the Books, Papers, and Courses tabs to see the topics analyzed through data for each content in detail
- (2) [Mark Books as Read] Search for and add books that you have not checked out from SNU Libraries, own, or have enjoyed reading



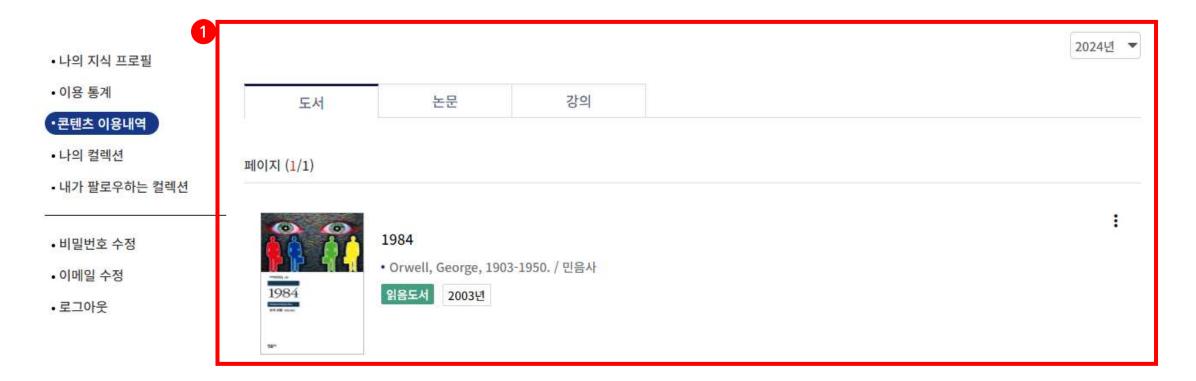
③ [Add Topics] Search for topics and add them as your own interests (up to 5) and save them



## 7.2. Content Usage Statistics and History



- ① [Content usage statistics] Provide monthly content usage charts for selected years and content types
  - Books are books borrowed from Seoul National University Library and books registered as 'already read' on LikeSNU
  - Papers are papers published by Seoul National University (S-Space, S-rims) and papers registered as 'already read' in LikeSNU
  - Courses are courses held or taken at Seoul National University



② [Content usage history] View detailed content usage included in Content Usage Statistics



## 7.3. My Collections, Following Collections

#### 나의 컬렉션 •



① [My Collections] Collections that I created or saved as My Collections are now visible, and the "Edit My Collections" button is now visible in the collection details that you go to when you click My Collections.

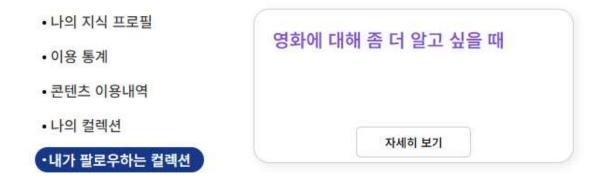


- ② [Edit] Edit My Collection page
  - Delete a collection
  - Edit Collection: Save the collection title, description, topic, and public status
  - Export to Excel: Save all content information in the collection to an Excel file
  - Delete all, Delete selected content only: Delete all content, Delete content selected by checkboxes in bulk



# 7.3. My Collections, Following Collections

## 내가 팔로우하는 컬렉션 •



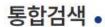
③ [Following Collections] Collections I'm following are displayed





#### 8. Search

#### 8.1. Search All



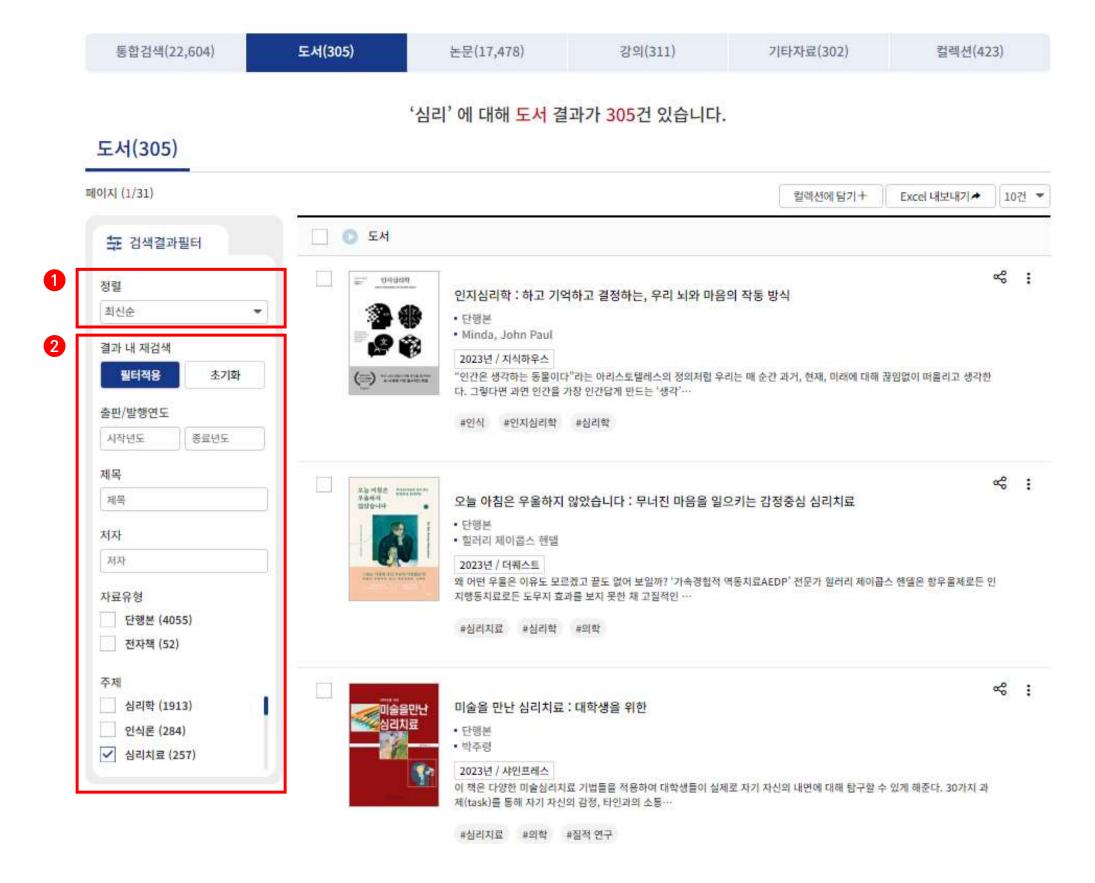


- ① [Related to] Provides keywords related to the search terms you entered
- ② [Tabs by Content] The unified search displays a subset of results from books, papers, courses, other materials, and collections; clicking on each content tab displays only results for that content
- ③ [Topic search results] Displays topics related to the search terms you entered (up to five). Clicking the View with Knowledge Universe button takes you to the home screen (Knowledge Universe)
- 4 Click the [More] button to go to the Books tab, which displays the full list of book search results
- ⑤ Click the [Content search results] action button to display a pop-up menu



#### 8. Search

## 8.2. Search by content



- ① [Sort] Provide search results by changing the sorting of the search results, such as relevance, newest, etc.
- ② [Refine Your Search] A feature that allows you to rescan search results based on multiple criteria.
  Set the criteria and click "Apply Filter" to display new results that meet the criteria
  - Published/Dated: Shows content published between the entered time period
  - Title: Shows content with the entered characters in the title
  - Author: Display content with the entered characters in the author's name
  - Topic: Displays the main topic of the searched books, filtering only content on the selected topic
  - Other filters are available depending on the type of content



#### 9.1. Book details





- ① [Content Info] Provides content topics, titles, and details; clicking on a topic takes you to more information about that topic
- ② [Book action button]
  - Already read: If you have read this book in your collection without checking it out from the library or through other means, click 'Already read' to reflect it in your knowledge profile
  - View in Central Library: Go to the detailed information of the book on the SNU Central Library homepage
  - Add to Collection: The Add Collection pop-up window appears. You can add it to an existing collection or create a new collection
  - View in Knowledge Universe: A book association map appears, showing a visual representation of the books you have borrowed before, during, and after reading the book
- ③ [View in Aladdin/Google] Go to the book's details in Aladdin (or Google Books)



## 9.1.1. Book network map

This feature utilizes the book borrowing data of Seoul National University students to provide a visual representation of the books borrowed before reading a selected book and the books borrowed after reading a selected book, organized as connecting lines between books (arrows represent the before

and after of the borrowing order).



#### ① [Visualization Area]

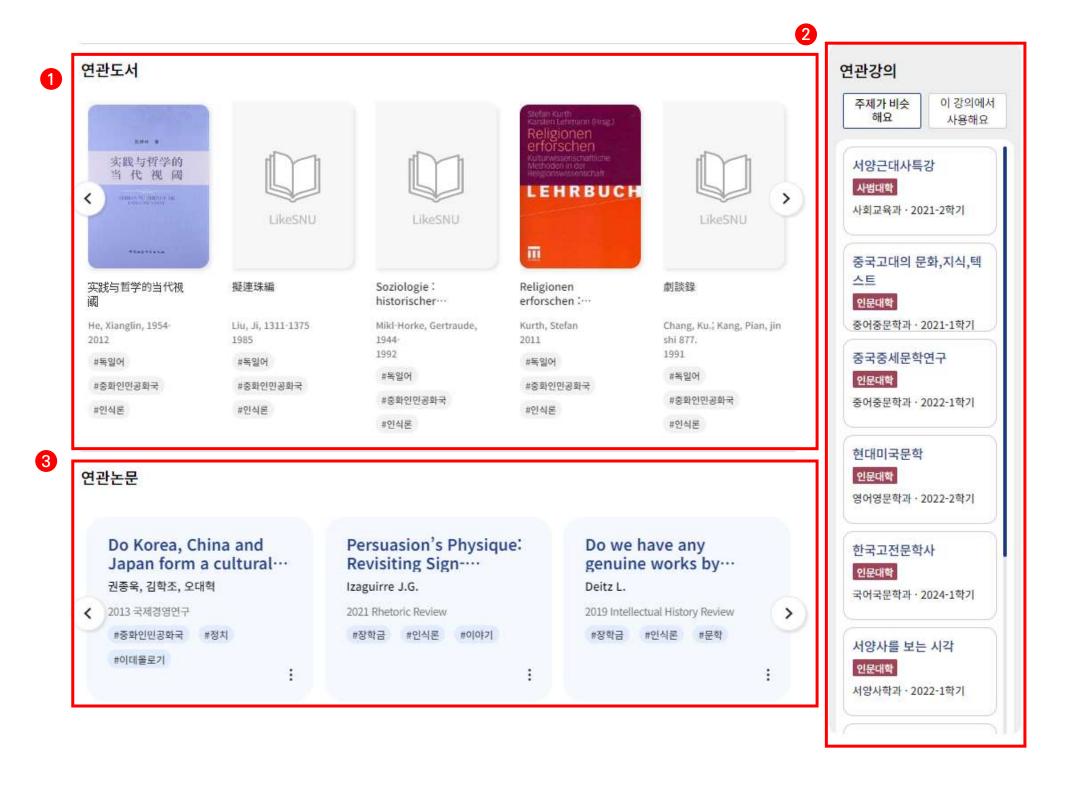
- Shows the relationship of the selected book to books checked out before and after it
  - Books on the left were checked out before this book was read, and books on the right were checked out after this book was read
  - Books below/above are books checked out both before and after
- Mouse events provided by the visualization area
  - Click: displays a pop-up window with details on the right
  - Double-click: displays additional related books (next borrowed)
     of the double-clicked book
  - Mouse scroll: Zoom the screen
  - Left-click + drag: Pan the screen
- ② [Fit to screen] Fits the visualization to the current screen size
- ③ [Reveal More Relevant Book] Click one of the related books and press the button to get the highly related books and hide the least related books among the currently displayed books
- (4) [See Next Relevant Book] Click one of the related books and press the button to get the less related books and hide the most related books among the currently displayed books
- ⑤ [Focus on the Selected Book] Refreshes the related books map centered on the currently selected book





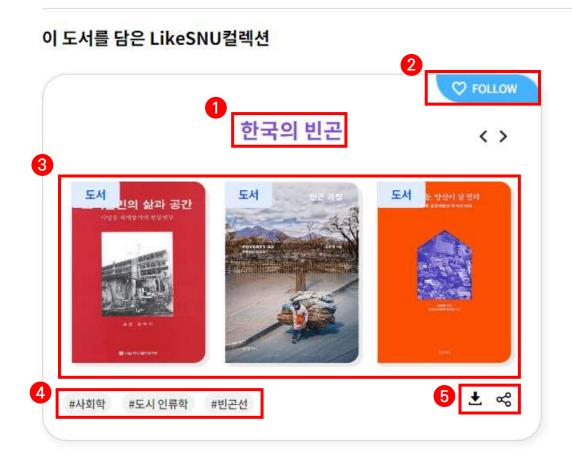


## 9.2. Related Books/Related Courses/Related Papers



- ① [Related Books] Displays books with similar topics. Click the book image or title to go to the book details and click the left and right arrows to see other related books
- ② [Related Courses] Displays courses with similar topics or that use this book as a reference. Click on a course name to go to its details
- ③ [Related Papers] Displays papers with similar topics. Click a paper to go to its details

## 9.3. Collections including This Book



- ① Click the collection title under [Collections including This Book] to go to the collection's details
- ② If you click the [Follow] button, a pop-up window will appear to show that you have followed the collection. If you click the button while following the collection, a pop-up window will appear to confirm that you have unfollowed the collection
- ③ [Book Image] is an image of a book in the collection, and clicking on the image will take you to the book's details. Click the left and right arrows to see other books in the collection
- (4) Click on a specific topic in [the Topic] information will take you to the topic convergence trend and show you more information about the topic
- ⑤ Click the [Save icon] to see a popup confirming that it has been added to your collection. When you click the [Share icon], a pop-up window will appear to show that the information has been copied to the clipboard



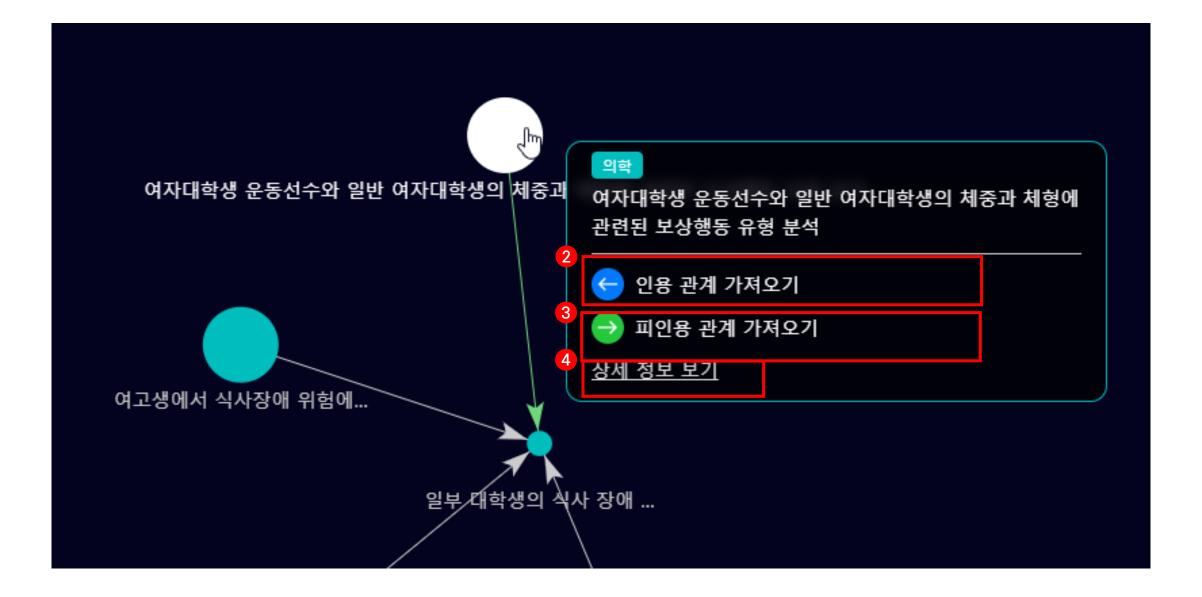
## 10.1. Paper details



- ① [Content Info] Content topics, titles, and details are provided; clicking on a topic takes you to more information about that topic
- When you click [Get PDF], you can download the PDF file of the paper directly if it is an electronic resource to which the Seoul National University Library is subscribed (LibKey Nomad)
- ③ [Paper action button]
  - Already read: Click 'Already read' to reflect it in your knowledge profile
  - View from paper source: Go to the paper's DOI address, or if there is no DOI, to the paper source
     URL
  - Add to Collection: The Add to Collection pop-up appears. You can add it to an existing collection or create a new collection
  - View in Knowledge Universe: A citation map appears, showing a visual representation of the paper's cited and referenced papers



## 10.1.1. Paper Citation Map



#### ① [Visualization Area]

- Show citation-citation relationships centered on selected papers
  - Cited Papers → Citation Papers
- Mouse events provided by the visualization area
  - Click on a dot (node): Displays a pop-up menu for getting the name of the paper, citing and cited papers, and detailed information
  - Mouse scroll: Zoom in/out of the screen
  - Left mouse click + drag: Move the screen
- ② If you click [Get Papers Cited By This], the relationship between the clicked paper and the cited paper will be displayed on the screen. If there are no papers to import, the message 'No cited papers to import' appears
- ③ If you click [Get Papers This Cites], additional citations and relationships of the clicked paper will be displayed. If there are no papers to import, the message 'There are no cited papers to import' appears
- ④ Click [View details] to go to the paper details page for the paper





## 10.2. Citation Topic

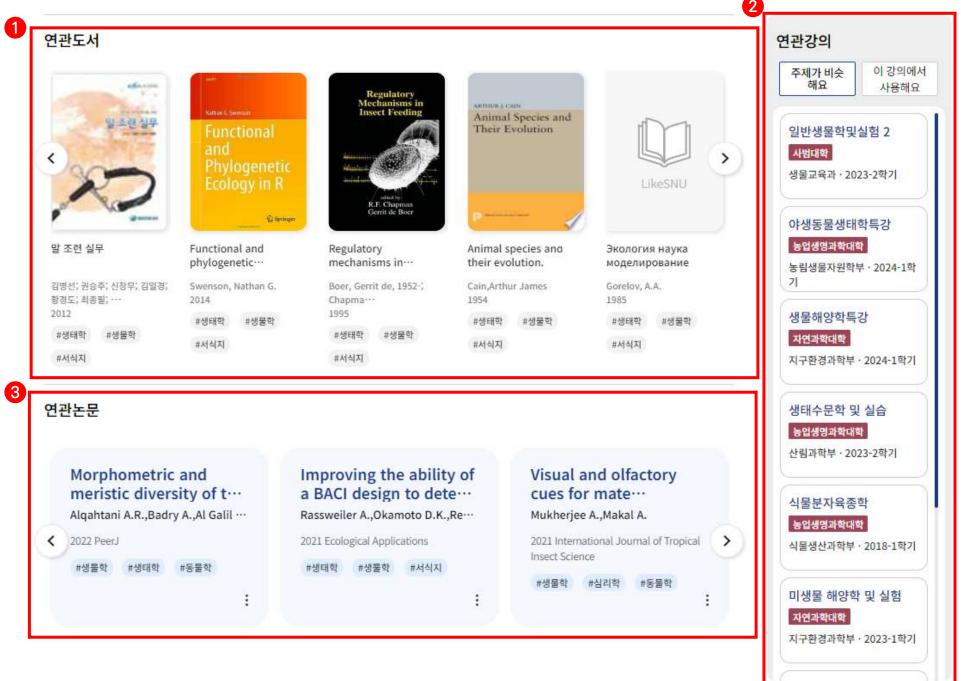


- ① [Citation Topic] Analyze the paper's citation-cited data to identify topic shifts in the papers it cites or that cite it
  - Number of cited papers for this paper: The number of cited papers that cite this paper
  - Citation convergence topics for this paper: shows the main topics of papers cited by this
    paper (light magenta) or cited by this paper (blue). You can see citations from previous years
    by clicking 'Show more'





10.3. Related Books/Related Courses/Related Papers



- ① [Related Books] Displays books with similar topics. Click the book image or title to go to the book details and click the left and right arrows to view other related books
- ② [Related Courses] Displays courses with similar topics or that use this paper as a reference. Click on the course name to go to the course details
- ③ [Related Papers] Displays papers with similar topics. Click a paper to see its details



## 10.4. Collections including This Paper

#### 이 논문을 담은 컬렉션

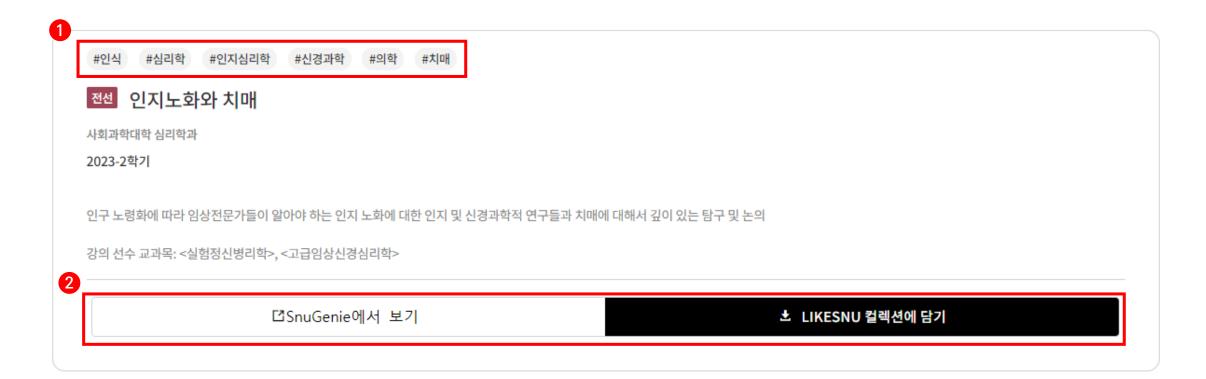




- ① Click the collection title under [Collections including This Paper] to go to the collection's details
- ② If you click the [Follow] button, a pop-up window will appear to show that you have followed the collection. If you click the button while following the collection, a pop-up window will appear to confirm that you have unfollowed the collection
- ③ [Paper Image] is an image of a paper in the collection, and clicking on the image will take you to the paper's details. Click the left and right arrows to see other papers in the collection
- 4 Click on a specific topic in [the Topic] information will take you to the topic convergence trend and show you more information about the topic
- ⑤ Click the [Save icon] to see a pop-up confirming that it has been added to your collection. When you click the [Share icon], a pop-up window will appear to show that the information has been copied to the clipboard



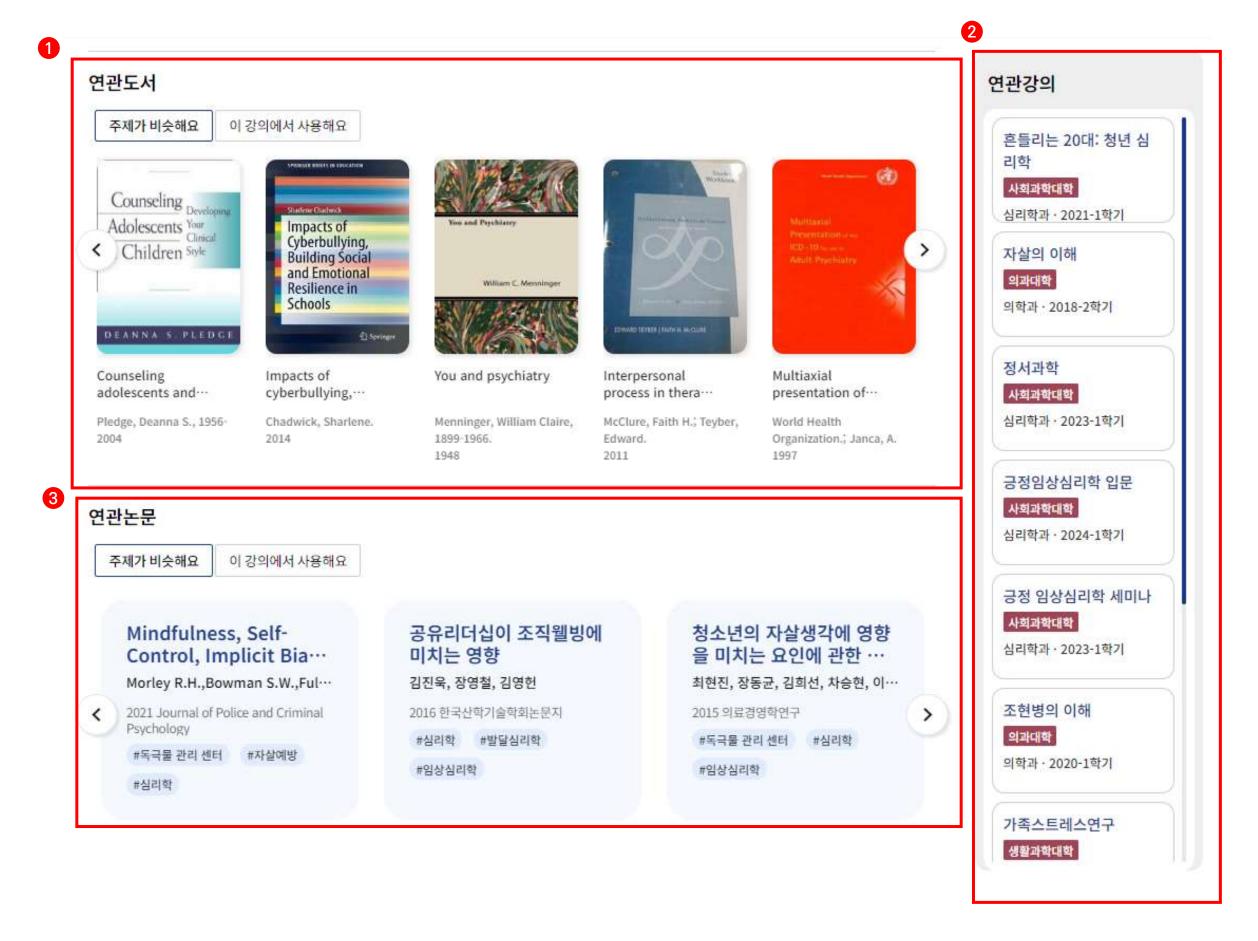
#### 11.1. Course details



- [Content Info] provides the content topic, title, and details; clicking on a topic will take you to more information about that topic
- Click [SnuGenie] on the [Course Action Button] will take you to the SnuGenie page of the course. Click [Add to Collection], the Add to Collection pop-up appears



## 11.2. Related Books/Related Courses/Related Papers

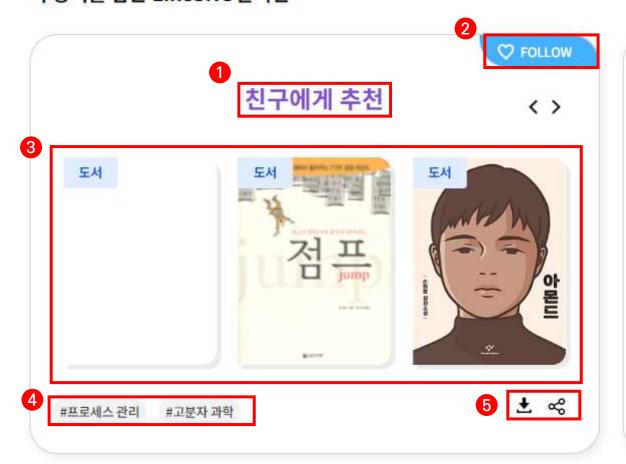


- ① [Related Books] Displays books that are similar in topic or referenced in this course. Click the book image or title to go to the book details and click the left and right arrows to view other related books
- ② [Related Courses] Displays courses with similar topics. Click the course name to go to the details of the course
- ③ [Related Papers] Displays papers with similar topics or referenced in this course. Click an paper to see its details



## 11.3. Collections including This Course

#### 이 강의를 담은 LikeSNU컬렉션





- ① Click the collection title in [Collections including This Course] to go to the collection's details
- ② Click the [Follow] button, and a pop-up window will appear to show that you have followed the collection. If you click the button while following the collection, a pop-up window will appear to show that you have unfollowed the collection
- (3) [Book Image] is an image of a book in the collection, and clicking the image will take you to the book's details. Click the left and right arrows to see other books in the collection
- (4) Click on a specific topic in [the topic information] will take you to the topic convergence trend and show you more information about the topic
- ⑤ Click the [Save icon] to see a popup confirming that it has been added to your collection. When you click the [Share icon], a pop-up window will appear to show that the information has been copied to the clipboard



#### 12.1. Collection details and content





- ① [Collection Info] Displays collection title, description, and topic
- ② [Collection User Actions] Follow, Share, and My Collections
- ③ [Content] Displays a list of books, papers, and courses in the collection





# Thank you

