

A hand holding a glowing DNA double helix structure against a blue background. The DNA is illuminated with a bright light, creating a lens flare effect. The hand is positioned in the upper right quadrant of the image. The background is a gradient of blue and white, with a green triangle in the bottom left corner.

JoVE:

**Accelerate your science
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1. Riss.kr 접속

RISS 처음 방문이세요? ▾

님 로그인 설정 MyRISS 고객센터

2. 로그인

KERIS 한국교육학술정보원에서 운영하는 서비스입니다.



3 Advances in clinica. ▾

검색환경설정 | 검색도움말 | 최근 검색어 | 다국어입력



RISS 무엇을 찾고 계세요? [검색]

[검색]

[상세검색]

<<



전자저널 인덱스



해외전자자료 이용안내



해외DB별 이용권한



해외전자자료 통계



접속오류 해결

3. 선택

전체학술 DB 60 | **내 무료 DB 40** | 조건부 무료 DB 20 | 내 관심 DB 0

소속기관 구독 상황에 따라 RISS와 도서관에서 24시간 이용 가능한 해외 학술 DB와 Open Access DB입니다.

인기순 ABC순

원문, 비디오 New

JoVE Video Journal
의학, 자연과학, 공학, 경영학

IP 대역 내 24시간 RISS검색가능

원문

Wiley Essential Online ...
전자책

무료이용 RISS검색가능

색인, 초록, 원문

Grove Art online
이미지, 비디오

무료이용 RISS검색가능

원문

Statista
통계, 동향 분석 자료

무료이용

색인, 초록, 원문

Grove Music online
이미지, 비디오

무료이용 RISS검색가능



무엇을 찾고 계세요?

검색

상세검색

5 영양

결과 내 재검색

다국어입력

해외전자자료 이용안내

해외전자자료 이용안내

해외DB별 이용권한 **1**

대학별 해외DB 구독현황

해외전자자료 이용안내 > 해외DB별 이용권한

해외DB별 이용권한



RISS에서 제공하는 해외전자자료 학술 DB 리스트입니다. 로그인 하시면 소속대학 구독 현황에 맞게 학술 DB별 이용 권한을 조회할 수 있습니다.

ABC순

시간대순

인기순

구분	DB명	RISS 이용시간		자료유형	DB개요	주제분야	이용안내	검색방법	
		구독대학	비구독대학					RISS 검색가능	바로가기
1	Web of Science Primary Collection	IP대역 내 24시간	X	Web DB	Web of Science Core Collection (WoSCC) 중에서도 가장 중요하게 여겨지는 SCI급 저널 데이터를 수록	전분야		0	
2	Benezit Dictionary of Artists	24시간		색인, 초록, 원문	예술가들의 삶과 작품에 대한 통합 자료	이미지, 비디오		0	
3	JoVE Video Journal NEW	IP대역 내 24시간	수혜기관 한정 24시간	원문, 비디오	세계최초 동영상 저널로 STEM(science, technology, Engineering, Mathematics)의 핵심 개념과 실험기반의 비디오 자료 제공	의학, 자연과학, 공학, 경영학		0	2

JoVE 홈페이지 이용 방법

JoVE 계정 생성

The screenshot shows the JoVE website interface. At the top right, there are 'Sign In' and 'Start Free Trial' buttons. The main content area is divided into three sections: Research Highlights, Education Highlights, and Most Watched Research Videos. Each section contains several video thumbnails with titles and view counts.

Research Highlights

- Evaluating Therapeutic and Chemical Toxicity Using Organ-Cultured Porcine...** (03:57, 21.5k views)
- Optimized Fabrication Procedure for High-Quality Graphene-based Moiré Superlattic...** (11:24, 15.0k views)
- Procedures for In Vitro Cultivation of *Treponema pallidum*, the Syphilis Spirochete** (09:45, 6.5k views)

Education Highlights

- Percentage Frequency Distribution** (00:57, 62.5k views)
- Tissues** (01:25, 61.9k views)
- Animal and Plant Cell Structure** (01:30, 46.0k views)

Most Watched Research Videos

- Agarose Gel Electrophoresis for the Separation of DNA Fragments**
- Aseptic Laboratory Techniques: Plating Methods**
- Using Virtual Reality to Transfer Motor Skill Knowledge from One Hand to Another**

NOTE: 계정 생성 / 로그인 없이도 동영상 시청이 가능

계정 생성

- ❖ 기관 이메일 계정 생성으로 교외 접속 가능
- ❖ **Gmail/Naver** 등 개인 메일은 기관 이용자 **인증이 불가합니다.**

1


Sign In

Enter your details below

Institutional Email *


Password * [Forgot Password?](#)

Sign In

 Sign in with Google

Continue with Single Sign-On (SSO)


or

[Create a new account](#) 

If you need assistance with registration or login, please contact our Support team at support@jove.com.

We use/store this info to ensure you have proper access and that

2



Create Your Account

Institutional Email *

Create Account

or


[Sign in](#)

If you need assistance with registration or login, please contact our Support team at support@jove.com.

We use/store this info to ensure you have proper access and that your account is secure. We may use this info to send you notifications about your account, your institutional access, and/or other related products. To learn more about our GDPR policies click [here](#).

If you want more info regarding data storage, please contact. gdpr@jove.com.

3



Verify Your Email

A verification has been sent to abc@abc.ac.kr
Please check your email for instructions to activate your account. Make sure to check your spam folder.

Didn't receive an email?

[Try an alternate method to verify your email](#)

If you need assistance with registration or login, please contact our Support team at support@jove.com.

We use/store this info to ensure you have proper access and that your account is secure. We may use this info to send you notifications about your account, your institutional access, and/or other related products. To learn more about our GDPR policies click [here](#).

If you want more info regarding data storage, please contact. gdpr@jove.com.

구독 품목 - Chemistry Full Package

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- Engineering
- Environment
- Genetics
- Immunology and Ir
- Medicine
- Neuroscience
- JoVE Journal
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구독 품목

for research and education

See 25,000+ videos...

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Biological and Chemical
Primary Cell Culture of Porcine
 This protocol describes the isolation and culture of epithelial wound healing cells. The protocol is simple, ethical, reproducible, and...



11:24

Optimized Fabrication Procedure for High-Quality Graphene-based Moiré Superlattice
 This article presents an optimized, experience-informed protocol for fabricating high-quality graphene-based moiré superlattices.

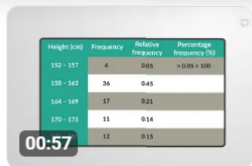
15.0k views



09:45

Procedures for In Vitro Cultivation of *Treponema pallidum*, the Syphilis Spirochete
 This protocol describes in vitro cultivation of the syphilis pathogen *Treponema pallidum* subsp. *pallidum* in co-culture with human epithelial cells.

6.5k views



Percentage Frequency Distribution
 A percentage frequency distribution, in general, is a display of data that indicates the percentage of observations for...

62.5k views



01:25

Tissues
 Tissues are a group of cells that share a common embryonic origin. Microscopic observation reveals that th...

61.9k views



01:30

Animal and Plant Cell Structure
 Animal and plant cells not only differ in their structure, function, and mode of nutrition but also in how they...

46.0k views

Most Watched Research Videos

Ask JOVE

Get help here

동영상 자료 검색

영상 검색 방법 - 개별 영상 검색

- 메인 페이지에서 키워드로 콘텐츠를 검색할 수 있습니다.

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키워드 검색

Research Highlights




03:57

Evaluating Therapeutic and Chemical Toxicity Using Organoids

Porcine corneal ex vivo organ culture and epithelial wound healing provide an...

17.0k views




11:24

Optimized Fabrication Procedure for High-Quality Organoids

This article presents an optimized, experience-informed protocol for...

12.5k views




09:45

Procedures for In Vitro Cultivation of *Treponema pallidum*

This protocol describes in vitro cultivation of the syphilis pathogen *Treponema...*

5.7k views

Education Highlights

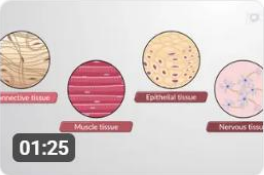


00:57

Percentage Frequency Distribution

A percentage frequency distribution, in general, is a display of data that indicate...

61.2k views

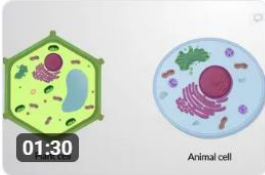


01:25

Tissues

Tissues are a group of cells that share a common embryonic origin. Microscopic...

59.0k views



01:30

Animal and Plant Cell Structure

Animal and plant cells not only differ in their structure, function, and mode of...

44.1k views

JoVE 플레이리스트 검색

영상 검색 방법 - 플레이리스트 검색

- 메인 화면 왼쪽의 'Playlists' 아이콘을 클릭합니다.

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Research Highlights

03:57

Evaluating Therapeutic and Chemical Toxicity Using Orga...
Porcine corneal ex vivo organ culture and epithelial wound healing provide an...

17.0k views

11:24

Optimized Fabrication Procedure for High-Quality...
This article presents an optimized, experience-informed protocol for...

12.5k views

09:45

Procedures for In Vitro Cultivation of *Treponema*...
This protocol describes in vitro cultivation of the syphilis pathogen *Treponema*...

5.7k views

Education Highlights

00:57

Percentage Frequency Distribution
A percentage frequency distribution, in general, is a display of data that indicate...

61.2k views

01:25

Tissues
Tissues are a group of cells that share a common embryonic origin. Microscopic...

59.0k views

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Animal and Plant Cell Structure
Animal and plant cells not only differ in their structure, function, and mode of...

44.1k views

영상 검색 방법 - 플레이리스트 검색

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All JoVE Collections Courses Exam Prep Textbooks + Create New Playlist

1 옵션 선택 & 필터 (다음 페이지 참고)

JoVE Collections

JoVE Chapters as playlists. Select a chapter and edit as a playlist!

Marketing → Microeconomics → Finance → Biology → Chemistry → Social Psychology → Molecular Biology →

Organic Chemistry → Statistics → Physics → Cell Biology → Pharmacology → Analytical Chemistry → **Electrical Engineering →**

Anatomy and Physiology → View All

2 주제를 선택해 해당 분야의 플레이리스트를 둘러볼 수 있습니다

Basic Courses

Expert created JoVE video playlists mapped to courses across a wide range of disciplines

Biology → Chemistry → Clinical Medicine → **Engineering →** Environmental Sciences → K-12 → Lab Courses →

Nursing → Pharmacology → Physics → Psychology →

영상 검색 방법 - 플레이리스트 검색

The screenshot shows the JoVE website interface. At the top, there are navigation tabs for 'Research', 'Education', and 'Business', along with a search bar containing 'All' and a search icon. Below this is a 'Playlists' section with a sub-menu containing 'Playlist Library', 'My Playlist', and 'Playlist Help'. A red box labeled '키워드 검색' (Keyword Search) points to the 'Playlist Library' link. The main content area features a filter bar with tabs for 'All', 'JoVE Collections', 'Courses', 'Exam Prep', and 'Textbooks'. A red box labeled '레벨(기초/심화)과 주제별 필터링 가능' (Level (Basic/Advanced) and Subject-based filtering possible) points to the 'Level' and 'Subject' dropdown menus. Below the filter bar is a search input field labeled 'Search by course title...'. The main area displays a grid of video thumbnails with titles and subjects, such as 'Imaging Techniques', 'Rodent procedures', 'Organ Dissection and Surgical Procedures', etc.

키워드 검색

레벨(기초/심화)과 주제별 필터링 가능

JoVE 콘텐츠 LMS (학습관리시스템) 활용 방법

LMS에 동영상 업로드 방법

• JoVE에서 임베딩할 영상을 선택한 뒤, 'Embed'를 클릭합니다.

The screenshot shows the JoVE website interface. At the top, there's a navigation bar with 'jove' logo, 'Research', 'Education', and 'Business' dropdowns, and a search bar. The main content area features a video player with a large play button overlay. To the right of the video is a 'Chapters in this video' list with timestamps: 0:05 Introduction, 1:07 Synthesis of Graphene Oxide, 3:11 Preparation of the Graphene Oxide Electrode, 4:03 Preparation of the Polyaniline (PANI) Electrode, 5:07 Assembling the Asymmetric Thermochemical Cell, 6:14 Electrochemical Characterization, and 6:53 Results: Charging and Discharging the Asymmetric Thermochemical Cell. Below the video player, there are buttons for 'Full Text', 'Cite', and 'Add to playlist'. A red box highlights the '<>' icon in the bottom right corner of the video player area, with an arrow pointing to it from a text box that says 'Embed'를 클릭합니다. Below the video player, the video title 'Asymmetric Thermochemical Cell for Harvesting Low-grade Heat under Isothermal Operation' is displayed, along with '7.5K Views • 09:09 min • February 5th, 2020' and the DOI: 10.3791/60768-v. The authors listed are Kaiyu Mu¹, Xun Wang¹, Ka Ho Li¹, Yu-Ting Huang¹, and Shien-Ping Feng¹, with affiliation: ¹Electrochemical Nanoengineering Group, Department of Mechanical Engineering, University of Hong Kong.

LMS에 동영상 업로드 방법

- JoVE에서 임베딩할 영상을 선택한 뒤, 'Embed'를 클릭합니다.

The screenshot shows the JoVE website interface. At the top, there is a navigation bar with 'jove' logo and dropdown menus for 'Research', 'Education', and 'Business'. A search bar is also present. The main content area is divided into two columns. The left column features a video player thumbnail with a play button, the title 'Asymmetric Thermochemical Cell for Harvesting Low-grade Heat under Isothermal Operation', and an 'Overview' section. The right column is titled 'Embed Tool' and contains a 'Need Assistance?' link, a language selection dropdown (set to 'English'), width and height input fields (460 and 415), and a list of checkboxes for 'Show this article's:' content (Title, Authors, Article Description, Chapters, Disable Autostart). Below these options is a code block for an iframe embed. A red box highlights the 'Copy Embed Code' button, with a red arrow pointing to it from a text box on the left that says 'Copy embed code'를 클릭합니다. Below the code block is a URL field with a 'Copy URL' button.

Overview

Low-grade heat is abundant, but its efficient recovery is still a great challenge. We report an asymmetric thermochemical cell using graphene oxide as a cathode and polyaniline as an anode with KCl as the electrolyte. This cell works under isothermal heating, exhibiting a high heat-to-electricity conversion efficiency in low-temperature regions.

Embed Tool

Need Assistance? ⓘ

Choose the audio Language:

English

Width: 460 Height: 415

Show this article's:

- Title
- Authors
- Article Description
- Chapters
- Disable Autostart

```
<iframe id="embed-iframe" allowTransparency="true" allow="encrypted-media *" allowfullscreen height="415" width="460" border="0" scrolling="no" frameborder="0" marginheight="0" marginwidth="0" src="https://app.jove.com/embed/player?id=60768&access=c7760f682f&t=1&s=1&fpv=1"></iframe>
```

Copy Embed Code

https://app.jove.com/embed/player?id=60768&access=c7760f682f&t=1&s=1&fpv=1 Copy URL

'Copy embed code'를 클릭합니다

LMS에 동영상 업로드 방법

• LMS에 영상 임베딩 방법

The screenshot shows the LMS interface for a course titled "SPECIAL TOPIC (INTRODUCTION TO NANOBIOENGINEERING) (ME...". The top navigation bar includes "우리대학 LMS", "Degree Program", "Irregular Program", "Guide", and "My Page". The course title is displayed in a large banner. Below the banner, there are three circular icons: "공유" (Share), "Lec...", and "Tur...". The "Tur..." icon, which represents "Turn editing on", is highlighted with a red box. A red arrow points from a text box on the right to this icon. The main content area shows a "Course Summary" section with a list of activities: "Class Announcements", "Class Q&A", and "Class Files". A green button labeled "+ Add Resource/Activity" is visible at the bottom right of the summary section. The left sidebar contains navigation options for "Course Home", "Course Info", "Grade/Attendance", and "Students Notifications".

오른쪽 상단에서 'Turn editing on'을 클릭합니다

LMS에 동영상 업로드 방법

• LMS에 영상 임베딩 방법

우리대학 LMS

Degree Program Irregular Program Guide My Page

SPECIAL TOPIC (INTRODUCTION TO NANOBIOENGINEERING) (MEU290...

Course Home

Course Info ▾

- Syllabus
- Participants list
- Elec-Attendance

Grade/Attendance ▾

- Learning history
- Completion status
- Online-Attendance
- Grades
- Grade Rate

Students Notifications ▾

- Sending Message
- Sending Email
- Sending SMS

Others ▲

Student screen

Activities/Resources ▾

Zoom meeting Add

Course Summary

- Class Announcements
- Class Q&A
- Class Files

+ Add Resource/Activity

All week course

Week 1 [02 September - 08 September]

+ Add Resource/Activity

2

영상 임베딩을 위해 'Assignment'를 선택합니다

Add an activity or resource

ACTIVITIES

- ALLO
- Assignment
- Assignment(T...
- Chat
- Default Board
- External tool
- Forum
- Gradescope
- Group Board
- Group Evaluati...
- Poll
- Quiz
- SCORM package
- Survey
- Virtual progra...
- Wiki
- Workshop
- Zoom meeting

RESOURCES

- Automatic Rec...
- E-contents
- file
- Folder
- IMS content p...
- Label
- Textbook
- URL
- VOD

1

'Add a resource/activity'를 클릭합니다

LMS에 동영상 업로드 방법

• LMS에 영상 임베딩 방법

우리대학 LMS

Degree Program Irregular Program Guide My Page

🏠 / SPECIAL TOPIC (INTRODUCTION TO NANOBIOTECHNOLOGY) (MEU2900.03-00)

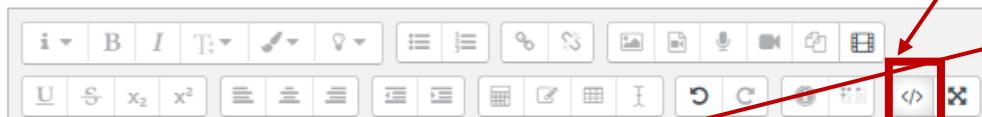
📌 Adding a new Assignment to Week 1 [02 September - 08 September] ⓘ

▶ Expand all

▼ General

Assignment name ⓘ

Description



```
<iframe id="embed-iframe" allowtransparency="true" allow="encrypted-media" allowfullscreen=""
height="415" width="460" border="0" scrolling="no" frameborder="0" marginheight="0" marginwidth="0"
src="https://app.jove.com/embed/player?id=60768&access=c7760f682f&t=1&s=1&fpv=1">
</iframe>
```

Display description on course page ⓘ

Additional files ⓘ

Maximum size for new files: 1GB



1

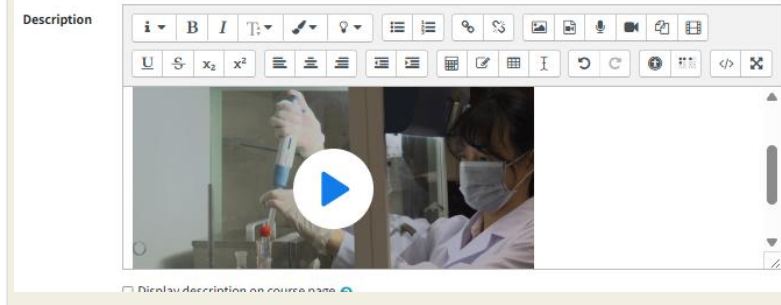
HTML 버튼을 클릭합니다

2

JoVE에서 복사한 코드를 붙여넣습니다

3

붙여넣은 뒤 HTML 버튼을 다시 누르면 영상이 표시됩니다.



LMS에 동영상 업로드 방법

• LMS에 영상 임베딩 방법

Students Notifications ▾

- Sending Message
- Sending Email
- Sending SMS

Others ▾

Student screen

Activities/Resources —

- Zoom meeting Add
- VOD Add
- file Add

Turnitin plagiarism plugin settings

Grade

Common module settings

Restrict access

Activity completion

Save and display Cancel

There are required fields in this form marked **i** .

1

‘Save and display’를 클릭합니다

LearnUS YONSEI

Degree Program Irregular Program Guide My Pa

Course Home —

Course Info ▾

- Syllabus
- Participants list
- Elec-Attendance

Grade/Attendance ▾

- Learning history
- Completion status
- Online-Attendance
- Grades
- Grade Rate

Students Notifications ▾

- Sending Message
- Sending Email
- Sending SMS

Others ▾

Student screen

SPECIAL TOPIC (INTRODUCTION TO NANOBIOENGINEERING) (MEU2900.03-00)

Asymmetric Thermoelectrochemical Cell for Harvesting Low-grade Heat under Isothermal Operation Overview

Asymmetric Thermoelectrochemical Cell for Harvesting Low-grade Heat under Isothermal Operation Overview

Asymmetric Thermoelectrochemical Cell for Harvesting Low-grade Heat under Isothermal Operation

2