DE GRUYTER

User Guide

<KERIS 대학라이선스 HSS & STM Collection>



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<KERIS 대학 라이선스 De Gruyter e-Journal HSS Collection 소개>

▶출판사 소개

: 1749년 독일에서 설립

: 매년 1,300여 종 이상의 신간 타이틀, 360여 종의 저널, 550여 종의 Open Access 저널과

50여 개의 데이터베이스를 포함하여 다양한 Digital Products 출판

▶HSS Journal Collection 소개

: 제공 종 수 - 258종

: 커버리지 – 1995년 ~ Current

: 엠바고 없음

: 주제 분야별 제공 종 수

주제	언어학, 문학	정치학, 사회학, 경제학	법학	철학, 종교	고전, 역사	문헌정보학
종 수	84	50	45	37	33	9

<De Gruyter e-Journal HSS Collection 주요 저널>

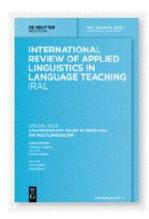
-법학-





-언어학-





-종교학-





-철학-





<KERIS 대학 라이선스 De Gruyter e-Journal STM Collection 소개>

▶출판사 소개

: 1749년 독일에서 설립

: 매년 1,300여 종 이상의 신간 타이틀, 360여 종의 저널, 550여 종의 Open Access 저널과

50여 개의 데이터베이스를 포함하여 다양한 Digital Products 출판

▶HSS Journal Collection 소개

: 제공 종 수 - 89종

: 커버리지 – 2000년 ~ Current

: 엠바고 없음

: 주제 분야별 제공 종 수

주제	수학	화학	의학	생명과학	공학	물리학	기타 (건축학, 지질학, 스포츠과학)
종 수	25	11	21	10	14	4	4

<De Gruyter e-Journal STM Collection 주요 저널>

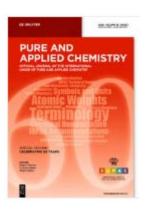
-수학-

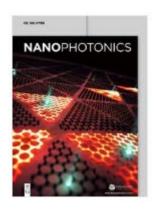
-화학-

-물리학-

-의학-



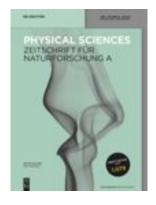




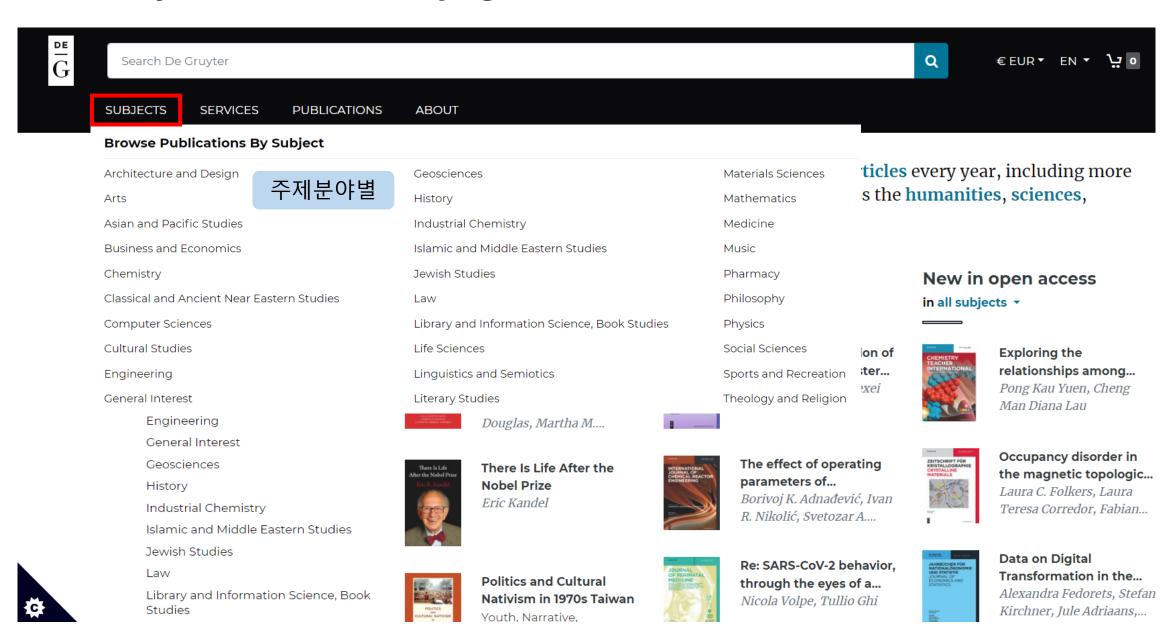


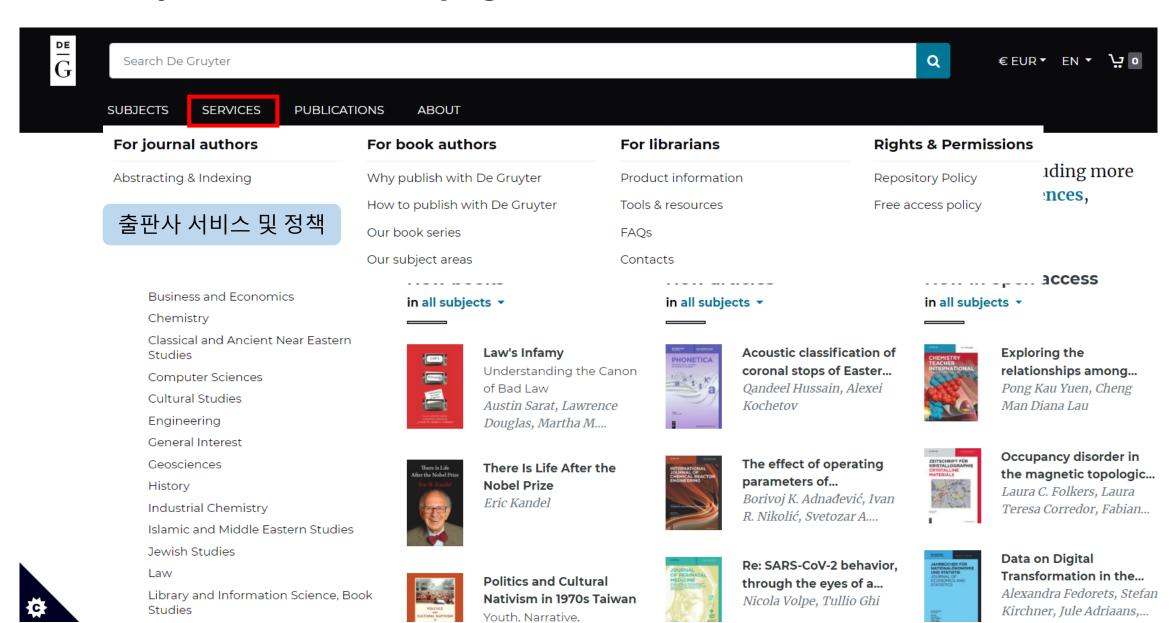


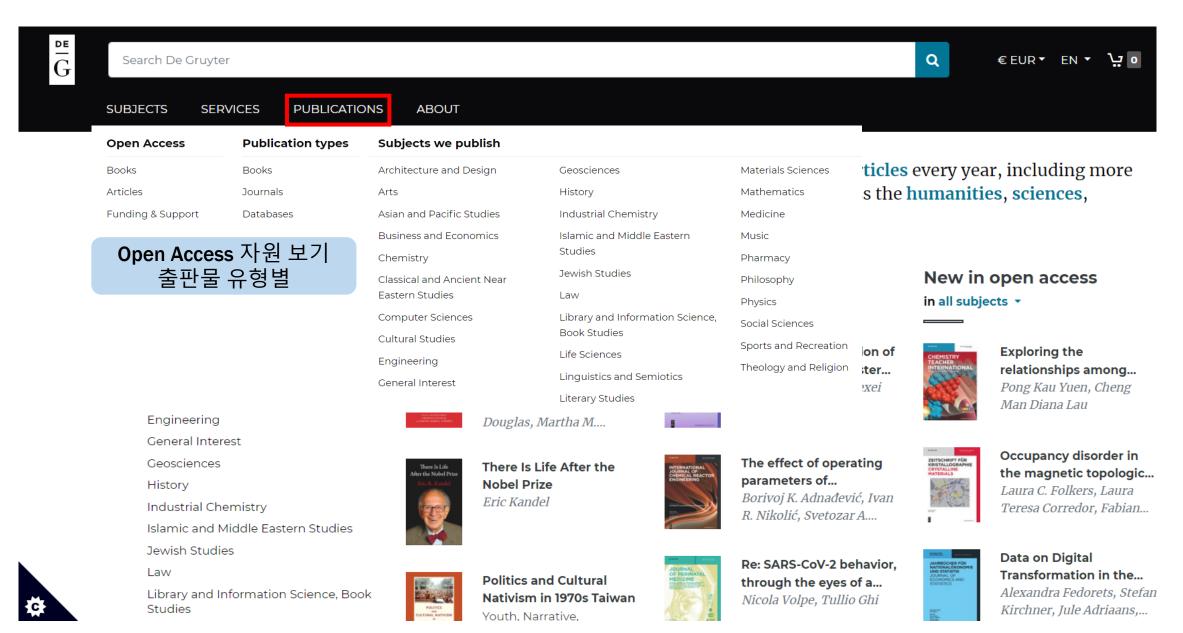


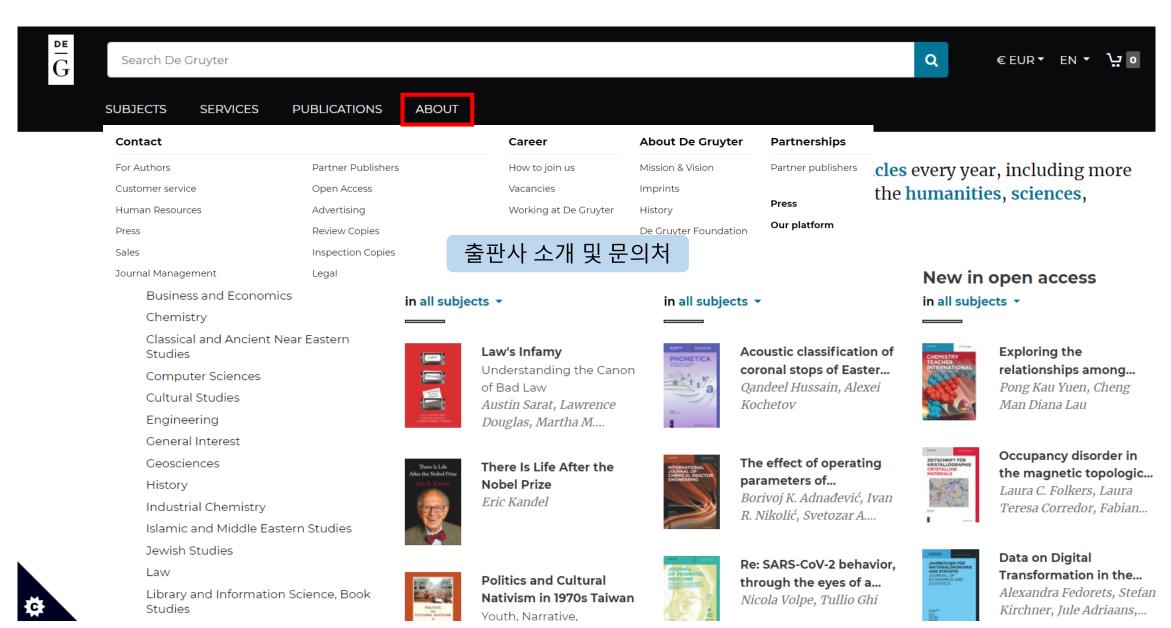












2. Search: 간단검색



Subjects

All De Gruyter ▼

Architecture and Design

Arts

Asian and Pacific Studies

Business and Economics

Chemistry

Classical and Ancient Near Eastern Studies

Computer Sciences

Cultural Studies

Enaineerina

General Interest

Geosciences

History

Industrial Chemistry

Islamic and Middle Eastern Studies

Jewish Studies

Law

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There Is Life After the **Nobel Prize**

Eric Kandel



New articles

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Acoustic classification of coronal stops of Easter...

Qandeel Hussain, Alexei Kochetov



The effect of operating parameters of...

Borivoj K. Adnađević, Ivan R. Nikolić, Svetozar A....



Occupancy disorder in the magnetic topologic...

relationships among...

Pong Kau Yuen, Cheng

Laura C. Folkers, Laura Teresa Corredor, Fabian...



Data on Digital Transformation in the...

New in open access

Exploring the

Man Diana Lau

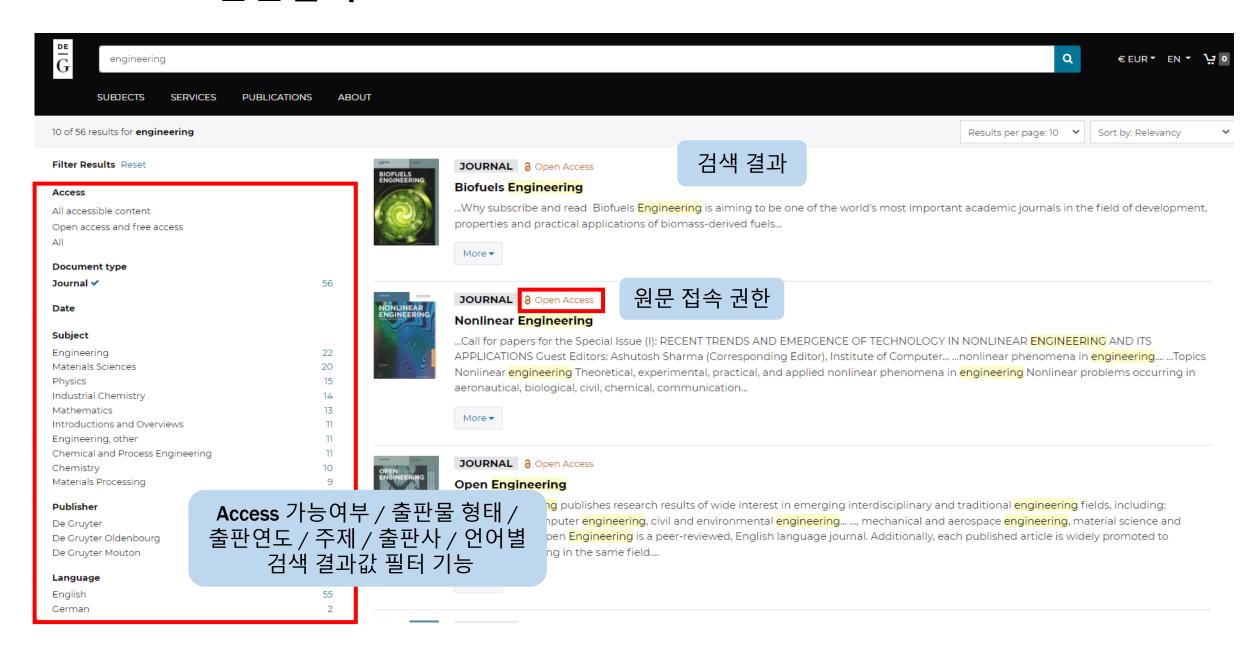
in all subjects *

Alexandra Fedorets, Stefan Kirchner, Jule Adriaans,...



Politics and Cultural Nativism in 1970s Taiwan Youth, Narrative,

2. Search: 간단검색

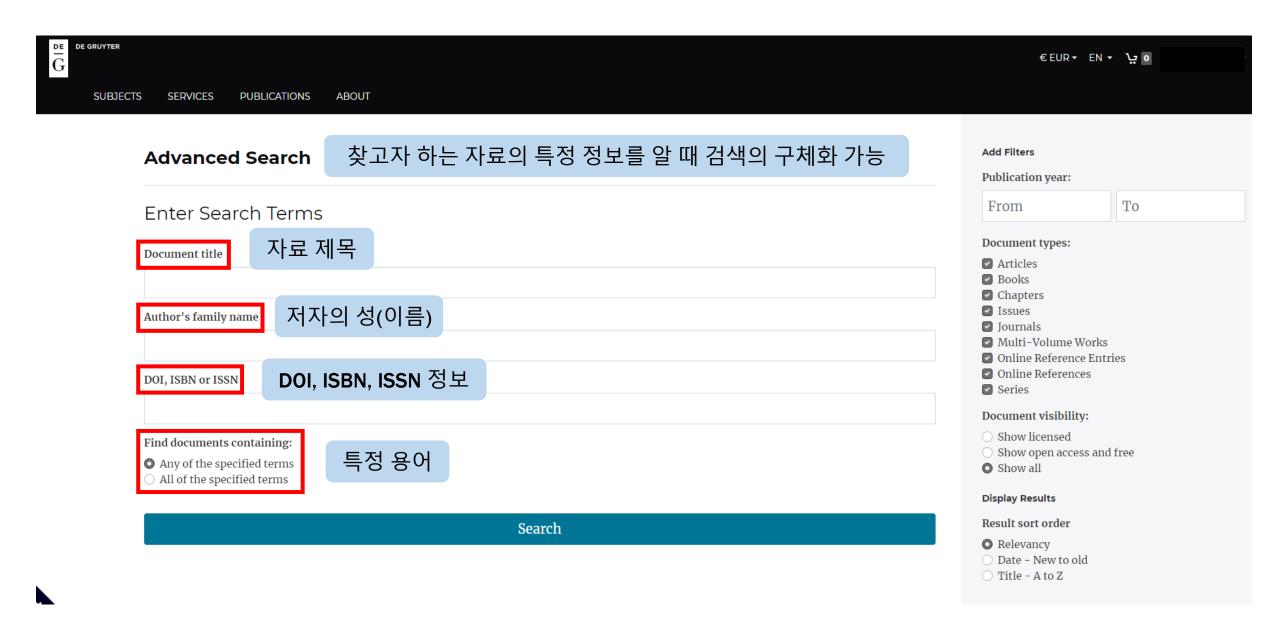


3. Advanced Search : 고급검색

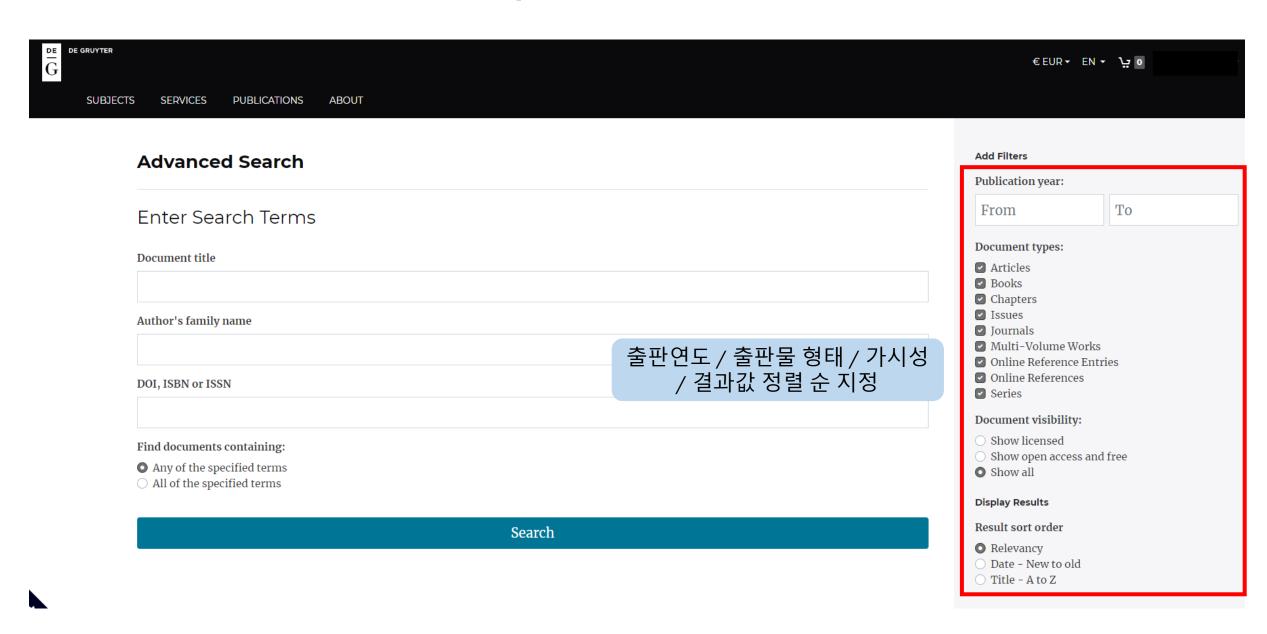
돋보기 아이콘 클릭 시 Advanced Search 생성



3. Advanced Search : 고급검색



3. Advanced Search : 고급검색



Topics

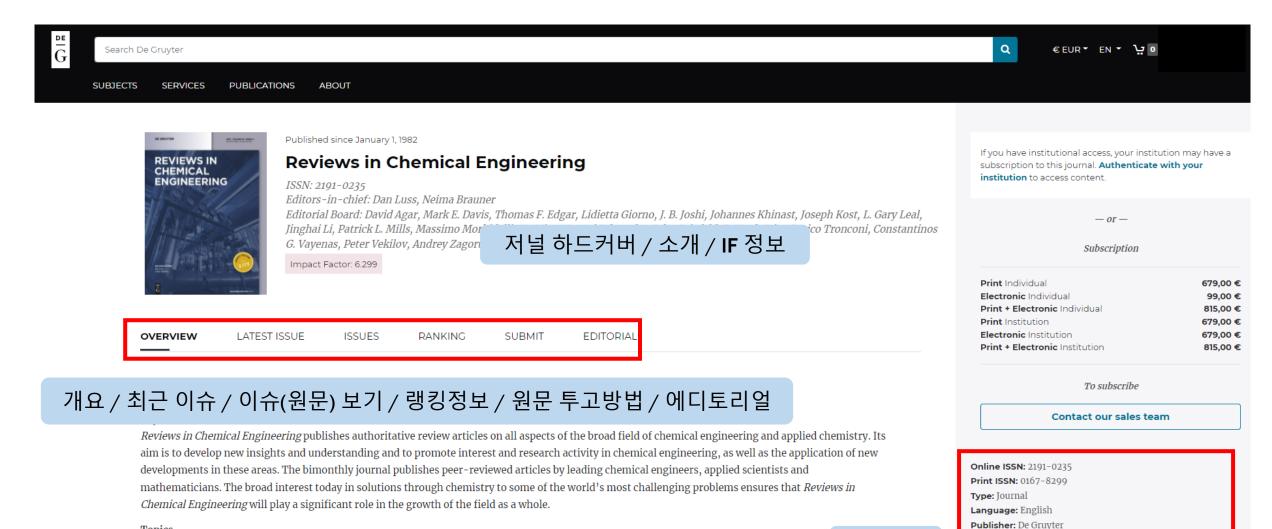
Catalysis

Cutting-edge topics such as but not limited to the following:

· Novel structured and membrane reactors

· Separation science and technology

Chemical, photochemical and biochemical reaction engineering



서지정보

First published: January 1, 1982

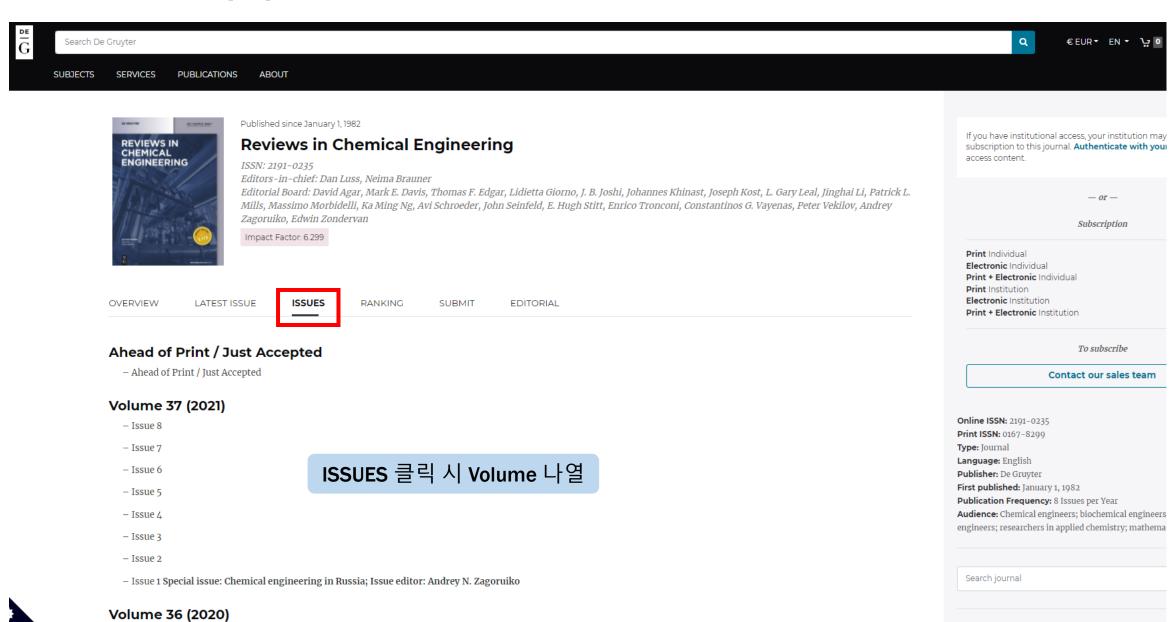
mathematicians

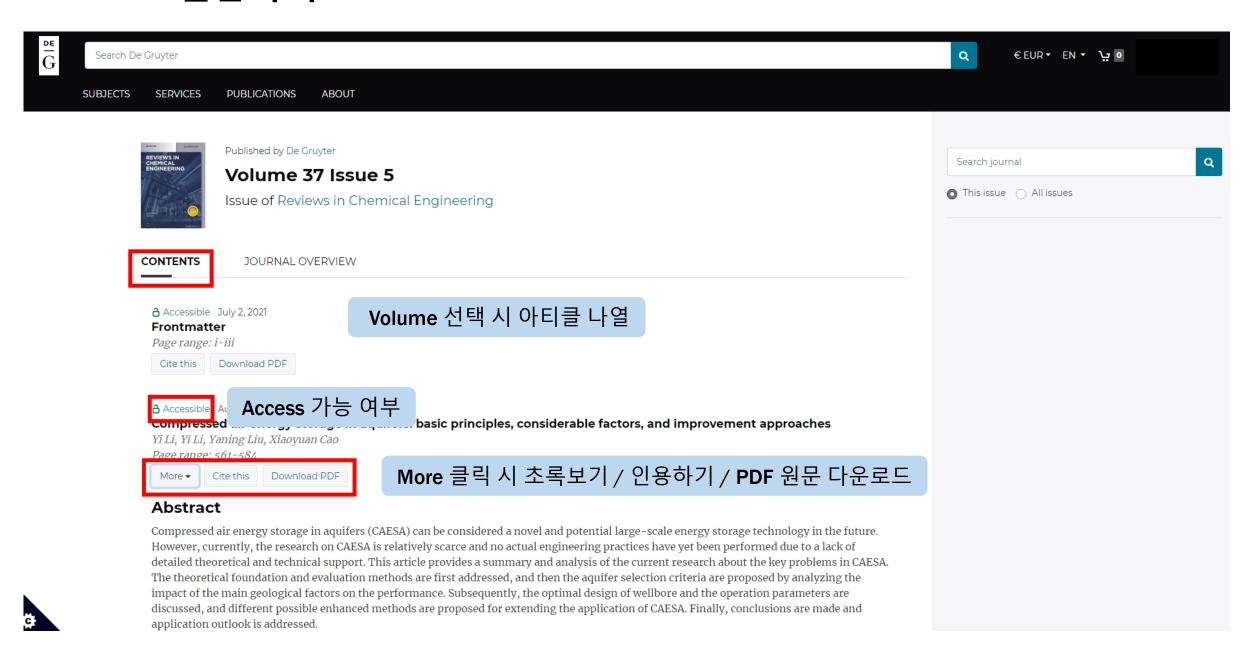
Publication Frequency: 8 Issues per Year

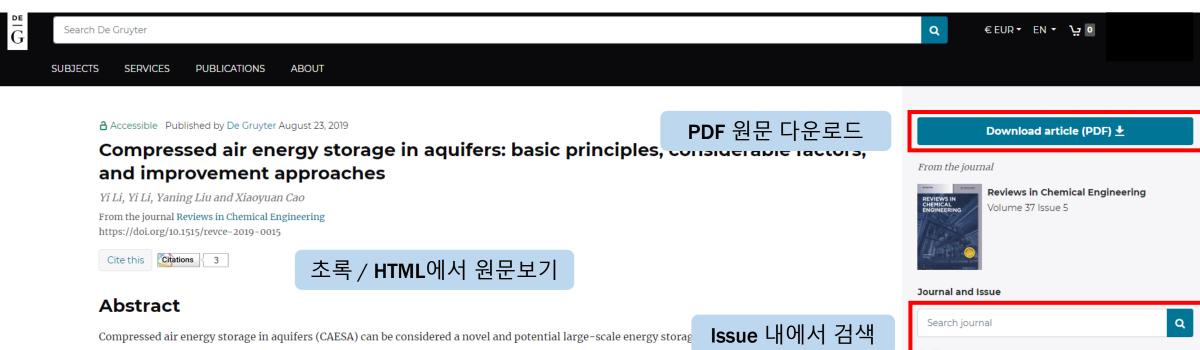
Audience: Chemical engineers; biochemical engineers;

environmental engineers; researchers in applied chemistry;







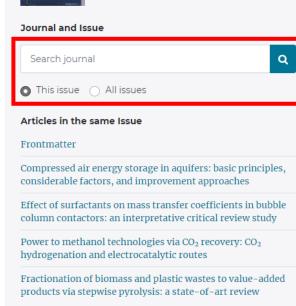


currently, the research on CAESA is relatively scarce and no actual engineering practices have yet been performed due to a lack of declared medical and technical support. This article provides a summary and analysis of the current research about the key problems in CAESA. The theoretical foundation and evaluation methods are first addressed, and then the aquifer selection criteria are proposed by analyzing the impact of the main geological factors on the performance. Subsequently, the optimal design of wellbore and the operation parameters are discussed, and different possible enhanced methods are proposed for extending the application of CAESA. Finally, conclusions are made and application outlook is addressed.

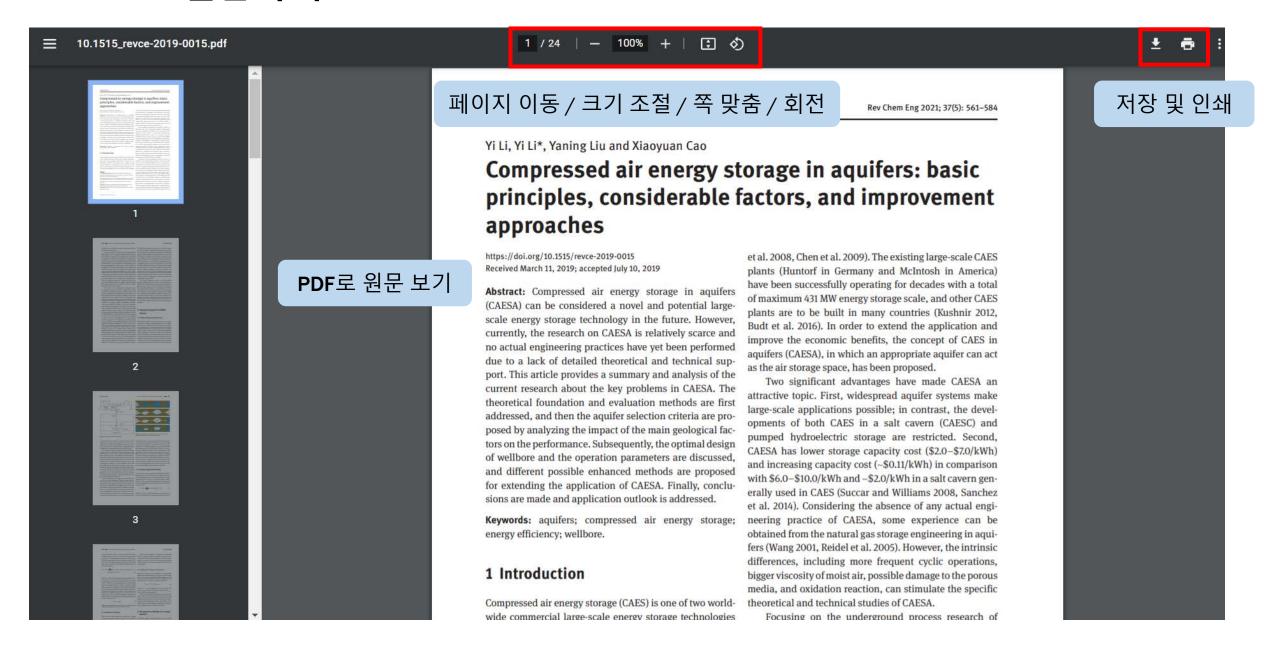
Keywords: aquifers; compressed air energy storage; energy efficiency; wellbore

1 Introduction

Compressed air energy storage (CAES) is one of two worldwide commercial large-scale energy storage technologies (the other being pumped hydroelectric storage). It can effectively solve the unbalanced power supply caused by the utilization of intermittent clean energy (e.g. wind power, solar energy, and wave energy) and has more economic potential (Ribeiro et al. 2001, Svander 2007, Ibrahim et al. 2008, Chen et al. 2009). The existing large-scale CAES plants (Huntorf in Germany and McIntosh in America) have been successfully operating for decades with a total of maximum 431 MW energy storage scale, and other CAES plants are to be built in many countries (Kushnir 2012, Budt et al. 2016). In order to extend the application and improve the economic







THANK YOU!



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