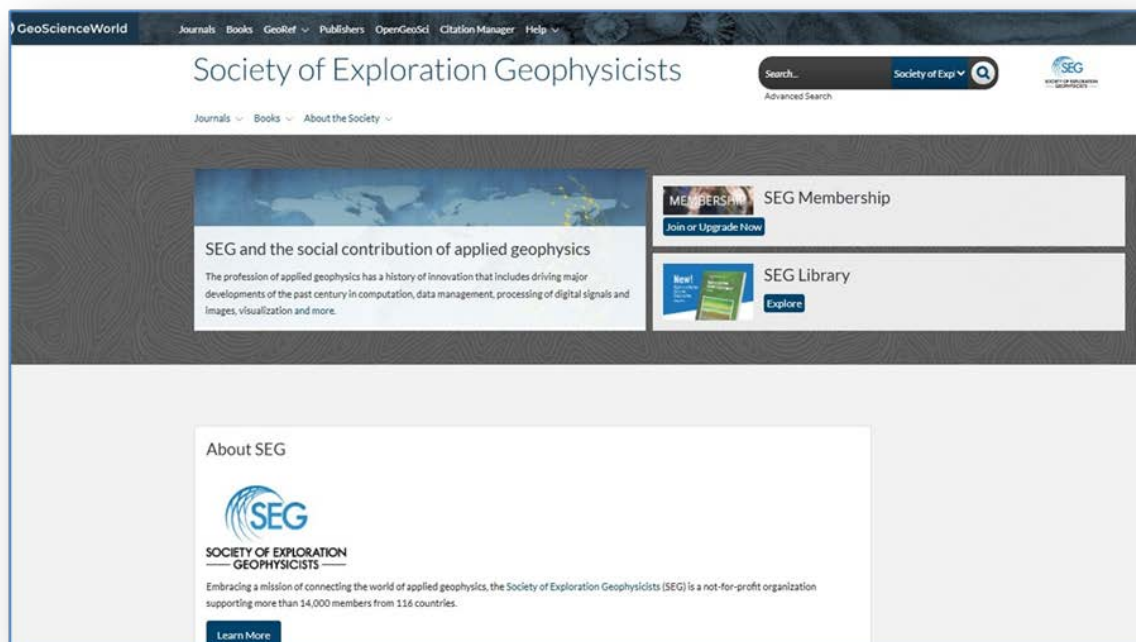
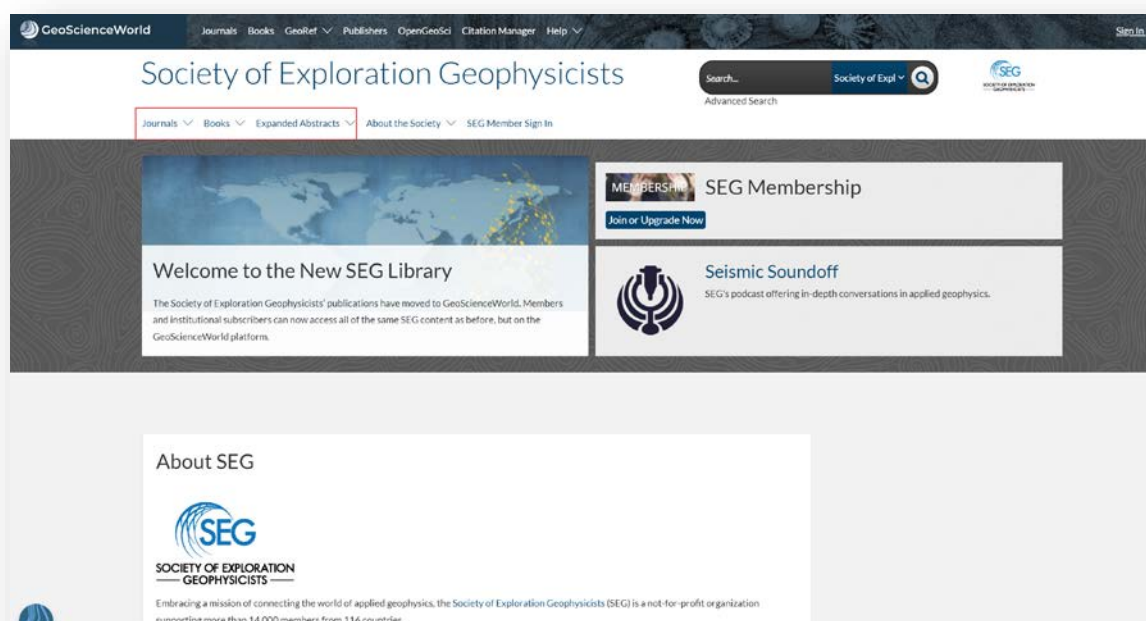


SEG 数据库新平台快速使用指南

1. 登录网址: <https://pubs.geoscienceworld.org/seg>



2. 页面中上部导航栏列出了 SEG 期刊、会议录、电子图书入口。



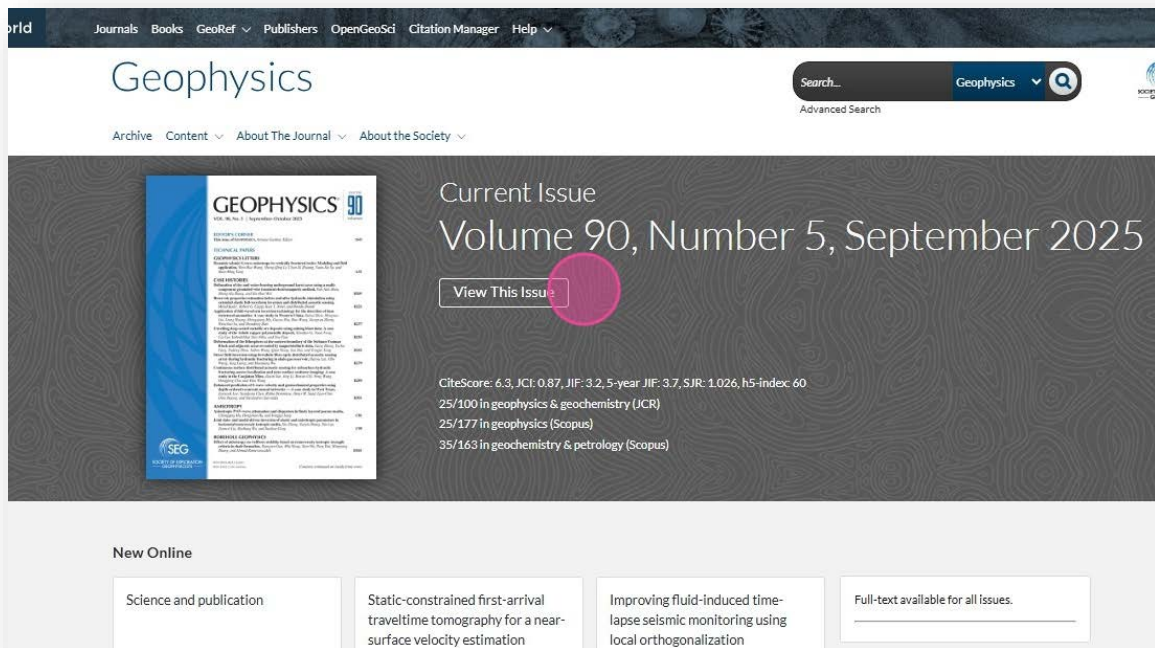
3. 我们以期刊为例进行说明。点击“Journals”，打开期刊下拉菜单。



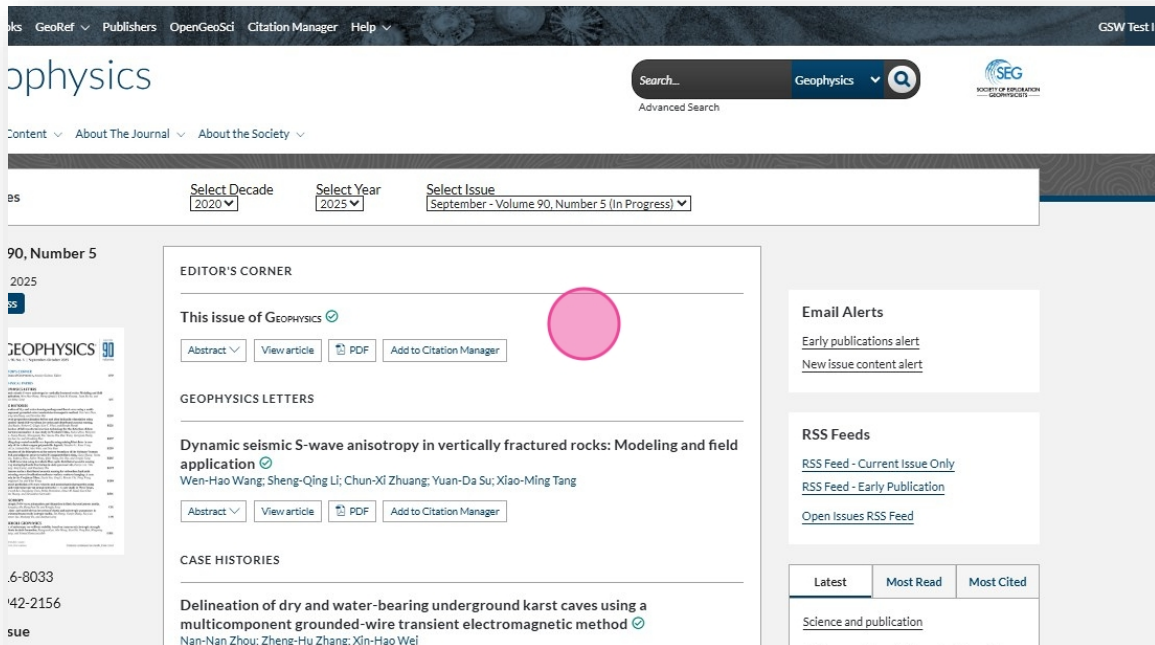
4. 在展开的列表中选中期刊名称。



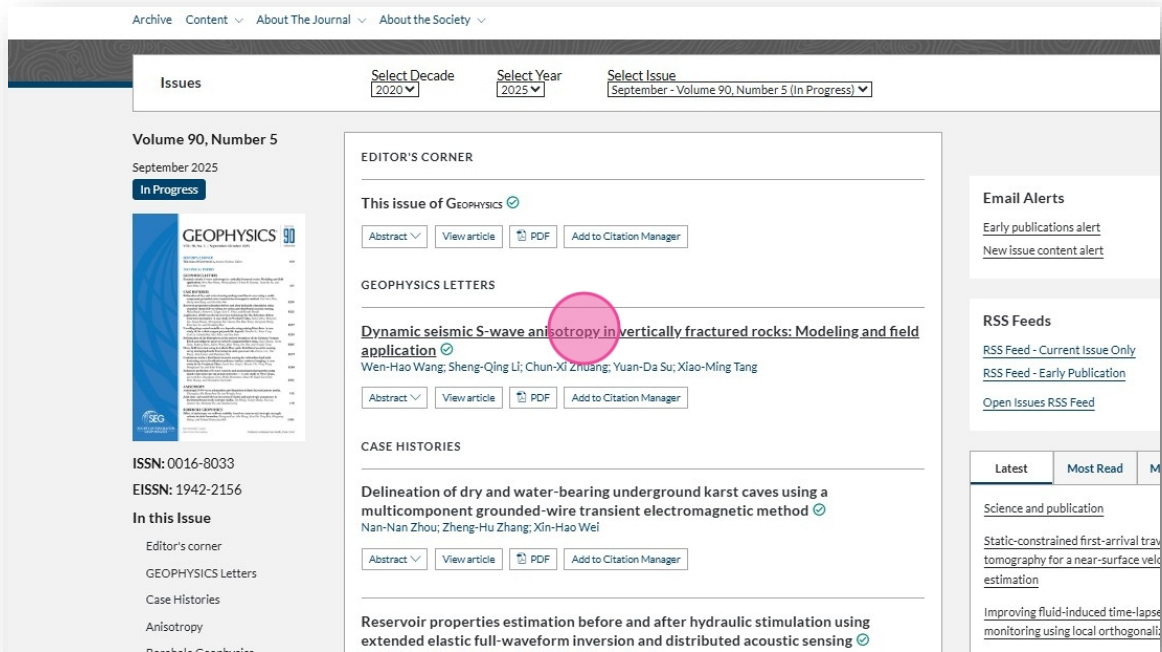
5. 例如，点击 "Geophysics"，打开该期刊的主页。若要查看当前期卷，请点击 "View This Issue"



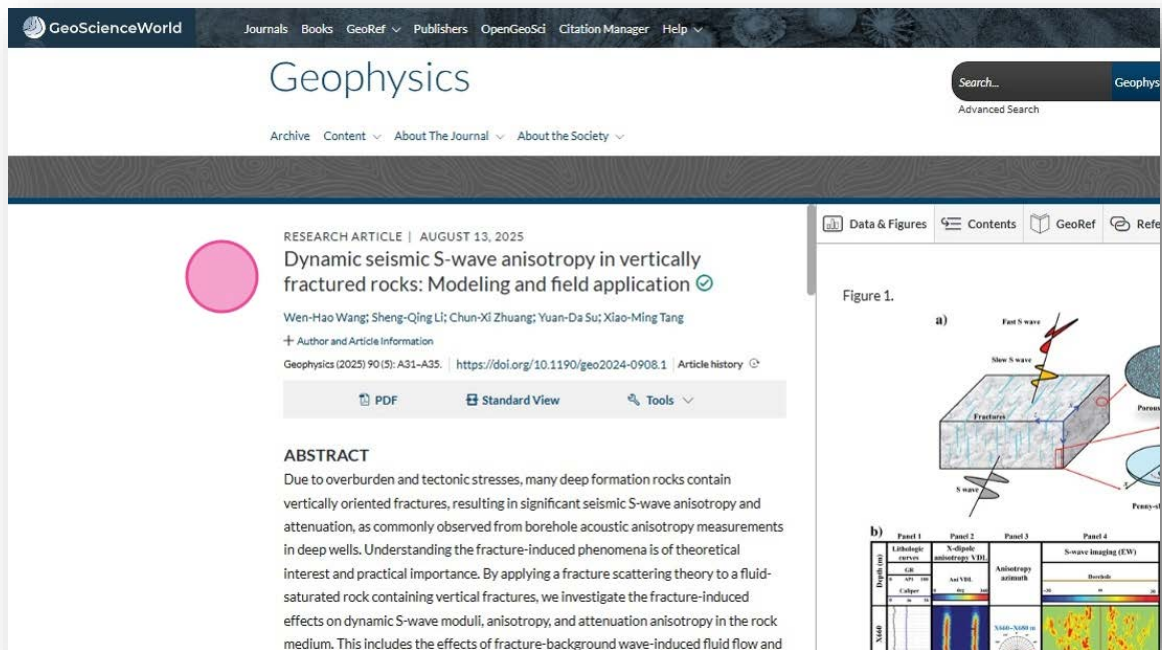
6. 目录页面出现绿色对勾时，表示可正常访问。



7. 选择您想阅读的文章，例如，点击“Dynamic seismic S-wave anisotropy in vertically fractured rocks: Modeling and field application”



8. 默认视图为分屏视图，在此视图下，您可分别滚动文本、图表与表格。



9. 文本位于左侧，图片和表格位于右侧。

The screenshot displays the article page for "Dynamic seismic S-wave anisotropy in vertically fractured rocks: Modeling and field application". The left sidebar contains the article title, authors (Wen-Hao Wang, Sheng-Qing Li, Chun-Xi Zhuang, Yuan-Da Su, Xiao-Ming Tang), and publication details (Geophysics (2025) 90(5): A31-A35). The main content area on the left shows the abstract, which discusses the effects of fracture-induced phenomena on seismic wave anisotropy and attenuation. The right sidebar features a navigation menu with "Data & Figures", "Contents", "GeoRef", "References", and "Related". Below this menu is a description of Figure 3, which consists of four subplots (a, b, c, d) showing dynamic shear moduli, moduli attenuation, S-wave anisotropy, and anisotropy attenuation at different fracture densities. A pink circle highlights the "Standard View" button in the left sidebar.

10. 中间是工具栏，可在此处选择 PDF 格式（文件）、或将视图切换为标准视图，以及选择其他工具。

This screenshot shows the same article page as the previous one, but with a different layout. The left sidebar is narrower, and the main content area is wider. The tool bar in the center of the page includes buttons for "PDF", "Standard View", and "Tools". The right sidebar contains the same navigation menu and description of Figure 3. A pink circle highlights the "Standard View" button in the center tool bar.

11. 点击 "Tools" 查看其他功能，例如，查看引用情况 "View This Citation".

RESEARCH ARTICLE | AUGUST 13, 2025

Dynamic seismic S-wave anisotropy in vertically fractured rocks: Modeling and field application

Wen-Hao Wang; Sheng-Qing Li; Chun-Xi Zhuang; Yuan-Da Su; Xiao-Ming Tang

+ Author and Article Information

Geophysics (2025) 90 (5): A31–A35 | <https://doi.org/10.1190/geo2024-0908.1> | Article History

PDF Standard View Tools

ABSTRACT

Due to overburden and tectonic stresses, many deep formations contain vertically oriented fractures, resulting in significant seismic S-wave anisotropy and attenuation, as commonly observed from borehole acoustic anisotropy measurements in deep wells. Understanding the fracture-induced phenomena is of theoretical interest and practical importance. By applying a fracture scattering theory to a fluid-saturated rock containing vertical fractures, we investigate the fracture-induced effects on dynamic S-wave moduli, anisotropy, and attenuation anisotropy in the rock medium. This includes the effects of fracture-background wave-induced fluid flow and elastic scattering on the fractured rock's stiffness. The results indicate that fracture elastic scattering has a significant influence on the S-wave moduli and attenuation anisotropy. Compared with the velocity response of elastic scattering, Rayleigh scattering increases the S-wave anisotropy, whereas Mie scattering decreases it. The

Figure 3.

(a) Dynamic shear moduli, (b) moduli attenuation, (c) S-wave anisotropy (%), and (d) anisotropy attenuation at different fracture densities with a fixed fracture diameter of 0.3 m.

12. 回到期刊主页，左上角点击"Archive" 查阅期刊历史卷期。

GeoScienceWorld Journals Books GeoRef Publishers OpenGeoSci Citation Manager Help

Geophysics

Archive Content About The Journal About The Society

Search... Geophysics

Advanced Search

Current Issue

Volume 90, Number 5, September

View This Issue

CiteScore: 6.3, JCI: 0.87, JIF: 3.2, 5-year JIF: 3.7, SJR: 1.026, h5-index: 60

25/100 in geophysics & geochemistry (JCR)

25/177 in geophysics (Scopus)

35/163 in geochemistry & petrology (Scopus)

New Online

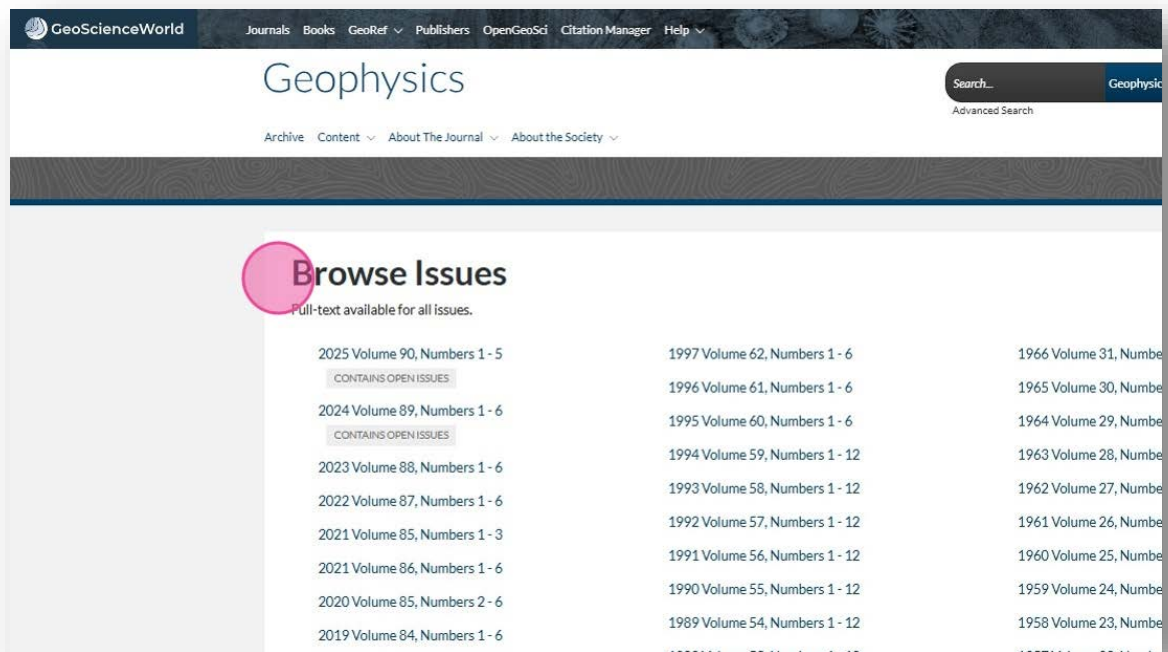
Science and publication

Static-constrained first-arrival traveltimes tomography for a near-surface velocity estimation

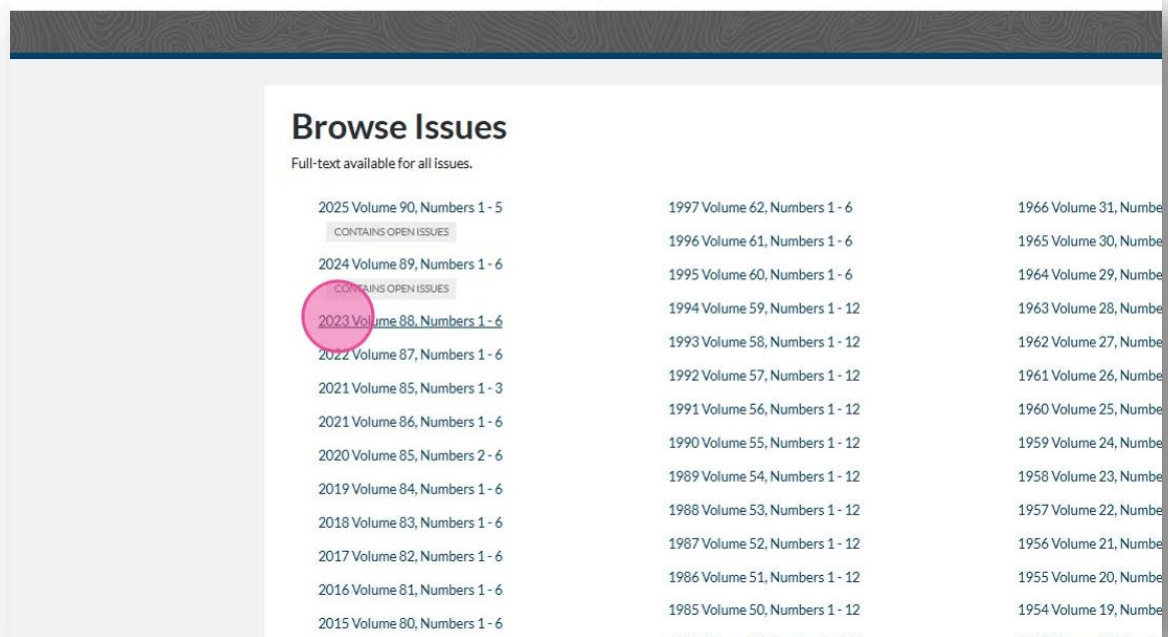
Improving fluid-induced time-lapse seismic monitoring using local orthogonalization

Full-text available for all issues

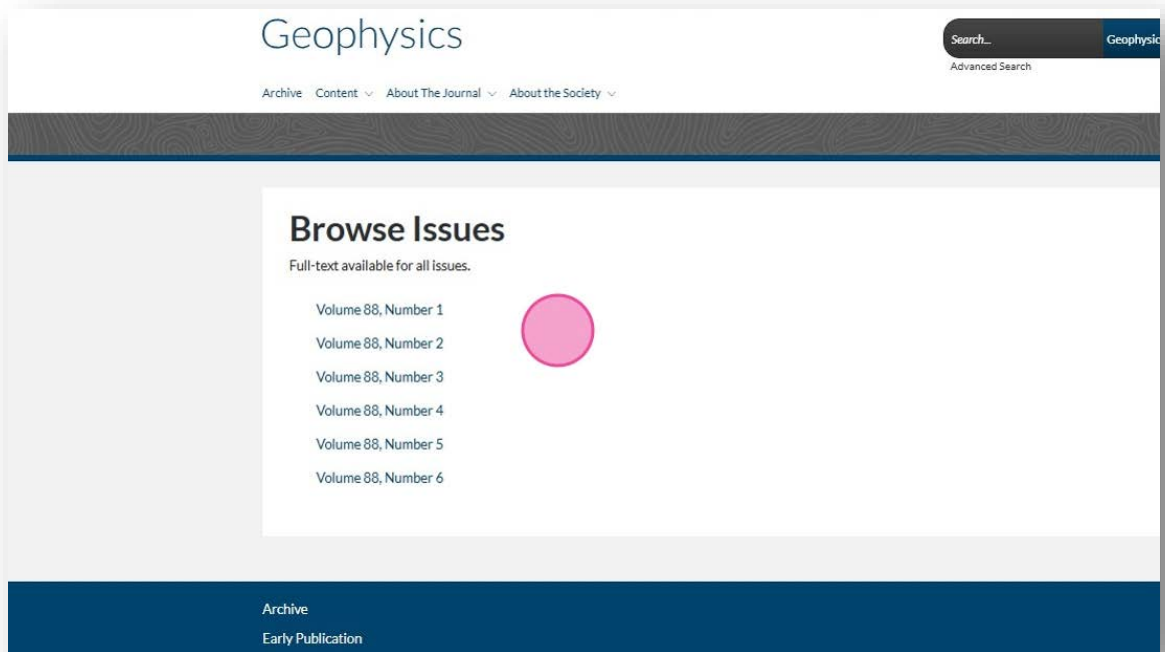
13. 在 "Browse Issues" 页面选择年份或卷期。



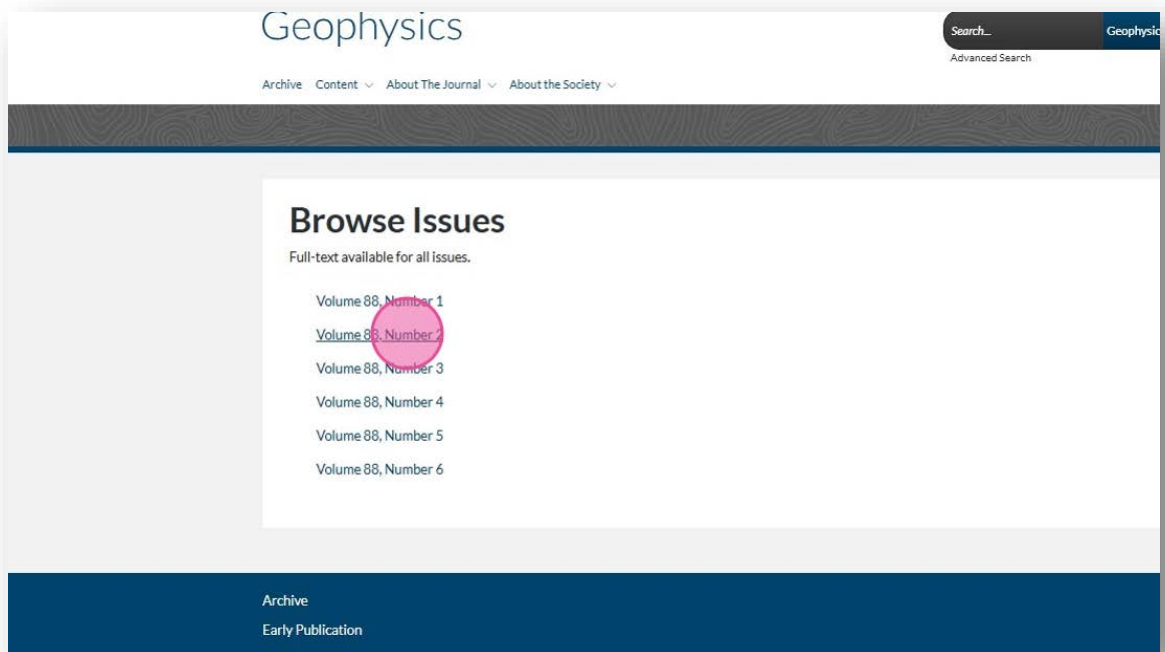
14. 例如查阅 Volume 88。点击 "2023 Volume 88, Numbers 1 - 6"



15. 选择后，您将看到该卷（内容）下的期号列表。



16. 点击想要查阅的期数，例如 "Volume 88, Number 2"



17. 在"Volume 88, Number 2"页面，选择您想阅读的文章。

The screenshot shows the SEG Geophysics journal website. At the top, there is a navigation bar with links for 'Publishers', 'Open Access', 'Content Manager', and 'Help'. A search bar is located on the right, with 'Geophysics' selected. Below the navigation bar, there are filters for 'Select Decade' (2020), 'Select Year' (2023), and 'Select Issue' (March - Volume 88, Number 2). The main content area is divided into two columns. The left column contains the 'EDITOR'S CORNER' section, which highlights 'This issue of Geophysics' with a pink circle. Below this, there are two articles under the 'GEOPHYSICS LETTERS' section: 'Temperature-dependent modal analysis of the InSight lander on Mars' and 'Merging gated frequency-modulated continuous-wave Mars2020 RIMFAX ground-penetrating radar data'. Each article has buttons for 'Abstract', 'View article', 'Supplementary data', 'PDF', and 'Add to Citation Manager'. The right column contains 'Email Alerts' and 'RSS Feeds' sections. The 'Email Alerts' section has links for 'Early publications alert' and 'New issue content alert'. The 'RSS Feeds' section has links for 'RSS Feed - Current Issue Only', 'RSS Feed - Early Publication', and 'Open Issues RSS Feed'. At the bottom right, there is a table with columns 'Latest', 'Most Read', and 'Most Cited', and rows for 'Science and publication' and 'Static-constrained first-arrival traveltimes'.