介绍

Gale资源中心：环境研究 为学生和研究者带来综合性的信息，用以批判性的分析和理解整个环境研究领域内的议题以及全球视角下的人文问题。

- 提供多种多样的内容
  用户可以访问来自地方性和国际性出版物的内容，以及屡获殊荣的Gale参考书内容，了解各种论据翔实的观点。
- 访问综合性的数据库
  专题页面汇集文章、案例研究、统计数据、图片等内容。
  丰富多样的主题，例如气候变化、食品安全、土壤生态学和旅游等。
- 轻松探索多个主题
  平台界面友好，适配主流移动终端设备，操作简单、快捷，更有针对性的研究学习辅助工具，帮助学者将更多的时间集中在信息的深度分析和挖掘中
- 满足跨学科教学需求
  支持科学、社会研究和人文学科领域内关注环境与可持续发展问题的学生和研究者。
Interface 登录界面

操作界面语言翻译/登录个人微软账户

话题浏览
资源列表
检索历史
固定链接
标注与笔记

话题推荐

Venice, Italy, is experiencing its worst flooding in decades and has prompted city officials to declare a state of emergency. The high tide in Venice (which usually takes place in the winter) has peaked approximately 20 inches higher than what was expected for the season. Approximately 45 percent of the city is flooded. The floodwaters have caused massive damage to the city's cultural legacy and to residences and businesses.
话题浏览
9大类话题/细分399个不同主题/更新和新增主题高亮显示
以检索“nuclear”为例
关键词联想辅助

Floods
Venice, Italy, is experiencing its worst flooding in decades and has prompted city officials to declare a state of emergency. The high tide in Venice (which usually takes place in the winter) has peaked approximately 20 inches higher than what was expected for the season. Approximately 45 percent of the city is flooded. The floodwaters have caused massive damage to the city’s cultural legacy and to residences and businesses.
Suggested topics 话题推荐
Nuclear Power Accident: Fukushima

INTRODUCTION

On March 11, 2011, a powerful earthquake triggered a series of events that heavily damaged the Fukushima Daiichi (Fukushima “number one”) nuclear power plant on the Pacific coast about 60 miles (97 kilometers) south of Sendai, Japan. The earthquake, known as the Tohoku earthquake, was the most severe in Japan's recorded history. The seismic shock generated a huge ocean wave (tsunami) that inundated the facility and led to a complete power outage and breakdown of the plant's safety mechanisms. In the days that followed, the failure of the cooling systems of three of the six nuclear reactors at Fukushima Daiichi caused the nuclear fuel in each to severely overheat and melt. Several nuclear reactor buildings were blown apart by explosions of hydrogen gas, releasing radioactive materials that contaminated the environment.

The emergency at Fukushima led to the evacuation of nearly 300,000 persons. Their displacement compounded the devastation throughout the region and the heavy loss of life caused by the earthquake and the subsequent tsunami. The accident contaminated an area greater than 10,000 square miles (26,000 square kilometers), with major medical and socioeconomic consequences. The magnitude of the Fukushima accident is considered comparable to that of the 1986 Chernobyl, Ukraine (then part of the Soviet Union), nuclear power accident. Both were rated as level-7 accidents, the highest level of severity on the
核电事故：福岛

介绍

2011年3月11日，一场强烈的地震引发了一系列事件，严重破坏了位于日本仙台以南60英里（97公里）的太平洋海岸上的福岛第一核电站（福岛第一核电站），这场被称为东北地震的地震是日本有史以来最严重的地震。地震产生了巨大的海啸（海啸），淹没了设施，导致完全断电，并破坏了工厂的安全机制。在随后的日子里，福岛第一核电站的六个核反应堆中的三个反应堆的冷却系统发生故障，导致每个核反应堆的燃料严重过热和融化。氢气爆炸和爆炸摧毁了几座核反应堆建筑物，释放了污染环境的放射性物质。

福岛的紧急情况导致近300万人撤离。他们的流离失所加剧了整个地区的毁灭性破坏，以及地震和随后的海啸造成的严重生命损失。该事故污染了面积超过10,000平方英里（26,000平方公里）的区域，造成了严重的医疗和社会经济后果。福岛事故的规模被认为与1986年乌克兰切尔诺贝利（当时是苏联的一部分）核电事故的规模相当，两者均被评为7级事故，是国际核事件等级表中最高的严重程度。

由于该地点的辐射以及回收程序的巨大后勤困难，经营该综合设施的东京电力公司（TEPCO）在四年后
uncontrolled releases of radioactive materials. Cesium-137 and other radioactive isotopes were soon found in farmed vegetables nearly 100 miles (160 kilometers) from the site.

Japan’s agricultural production shrank by nearly one-fourth in the two years following the disaster. A formerly thriving fishing industry in the area was completely shut down. Radioactive cesium was found in Pacific tuna at great distances from the site, and fish sold in Japan was subject to radiation testing. Monitors found increased levels of radiation in every one of Japan’s prefectures (administrative districts), with dangerous “hot spots” downwind to the plant’s northwest. An area of roughly 1,500 square miles (3,900 square kilometers) has been deemed unfit for human habitation.

New View of Nuclear Energy

The Fukushima accident brought about a thorough shift in Japanese attitudes regarding nuclear energy. Before the Tohoku earthquake, nuclear power accounted for nearly one-third of Japan’s total electricity supply, and government plans called for the construction of new nuclear plants. After the accident, public opinion polls and increasingly vocal antinuclear protests revealed that the majority of Japanese citizens supported eliminating nuclear energy, despite the expected increase in cost from rising fossil fuel imports. In a dramatic reversal of his government’s prior policy, Prime Minister Kan called for a complete phaseout of nuclear power, and by May 2012 all of Japan’s nuclear reactors had been removed from commercial operation. In 2015, however, despite widespread public opposition, Japan’s Kyushu Electric Power Company sought to restart one of its nuclear reactors.
有用工具功能展示

引用

三种常用引文格式
可以导出至其他引用工具中


Disclaimer

*The RIS file format can be used with EndNote, ProCite, and Reference Manager.*
Gale in Context: Environmental Studies

Advanced Search 高级检索

Search for

Keyword
Document Title
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Subject
Entire Document
Person - About
Person-By or About
Place Name
Name Of Work
Company Name
Publisher Name
ISSN
Gale Document Number
Basic Search

筛选条件：
包含全文的文档
同行评审期刊
包含图片的文档
按出版时间
按文档类型
内容类型等

检索主题
可增加检索关键词
可选择不同关键词检索类型
根据输入结果智能抽取标题、主题，并从顶部结果的子集中提取大约前 100 个词，然后将其纳入到算法。图形中显示的关键字是使用检索词在文稿中找到的最常见字词。右侧结果区可显示关键词在文献中搜索到的相关文章。
Topic Finder 主题查找器

There are two ways to visualize below which words and subjects are found most often in the text of your search results.

Visualization:  Tiles  Wheel

RESULTS
Clicking on a topic wheel or tile narrows your original search results to the documents also containing that subject or term.

RESULTS FOR TOPIC:  RADIATION  (44)

Studies from Iwate University Provide New Data on Animal Science (Pathological characteristics of thyroid glands from Japanese Black Cattle living in the restricted area of the Fukushima Daiichi Nuclear Power Plant accident)

2019 AUG 2 VerticalNews By a News ReporterStaff News Editor at Energy Weekly News Investigators publish new report on Life Science Research Animal Science According to news reporting originating in Iwate...

[Cattle] [Ionizing Radiation] [Nuclear energy] [Nuclear power plants] [Thyroid disease]

Recent Findings from H. Tsuruta and Co. Insights into Science (Dynamics of atmospheric plumes in eastern Japan immediately after the accident by analyzing published data)

2019 SEP 27 NewsRx By a News Reporter Science Letter Current study results on the effects of atmospheric radiation on Japan by NewsRx correspondents...

[Atmospheric Radiation] [Fukushima Daiichi Nuclear Accident] [Health] [Environment] [Nuclear Energy] [Nuclear power plants] [Soil moisture]

There are two ways to visualize below which words and subjects are found most often in the text of your search results.

Visualization:  Tiles  Wheel

RESULTS
Clicking on a topic wheel or tile narrows your original search results to the documents also containing that subject or term.

RESULTS FOR TOPIC:  GAMMA RAYS  (3)

Assessment of gamma radiation from a limited area of forest floor using a cumulative personal dosimeter

[Electric utilities] [Gamma Rays] [Measuring instruments] [Nuclear energy] [Nuclear power plants] [Soil moisture]

Current evidence for a role of epigenetic mechanisms in response to ionizing radiation in an ecotoxicological context

[DNA sequencing] [Environmental toxicology] [Epigenetic inheritance] [Gamma Rays] [Methylation]

Nuclear Energy
Nuclear energy is the energy contained within the core or nucleus of an atom. Atoms are the small particles that are the building blocks of all matter in the universe. An atom's structure resembles a tiny solar system...

[Atomic structure] [Chemical reactions] [Coal fired power plants] [DNA] [Gamma Rays] [Heat radiation] [International Atomic Energy Agency] [Nuclear energy] [Nuclear fusion] [Nuclear power plants] [Radioactive substances] [Radioactive wastes] [Solar radiation] [Uranium]
Topic Finder 主题查找器

Find new topics or keywords and discover new connections found in the top results.

Search Terms: nuclear Fukushima
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