

Literaturrecherche

Beispielhaftes Vorgehen

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Institutsteil Wirtschaftsinformatik

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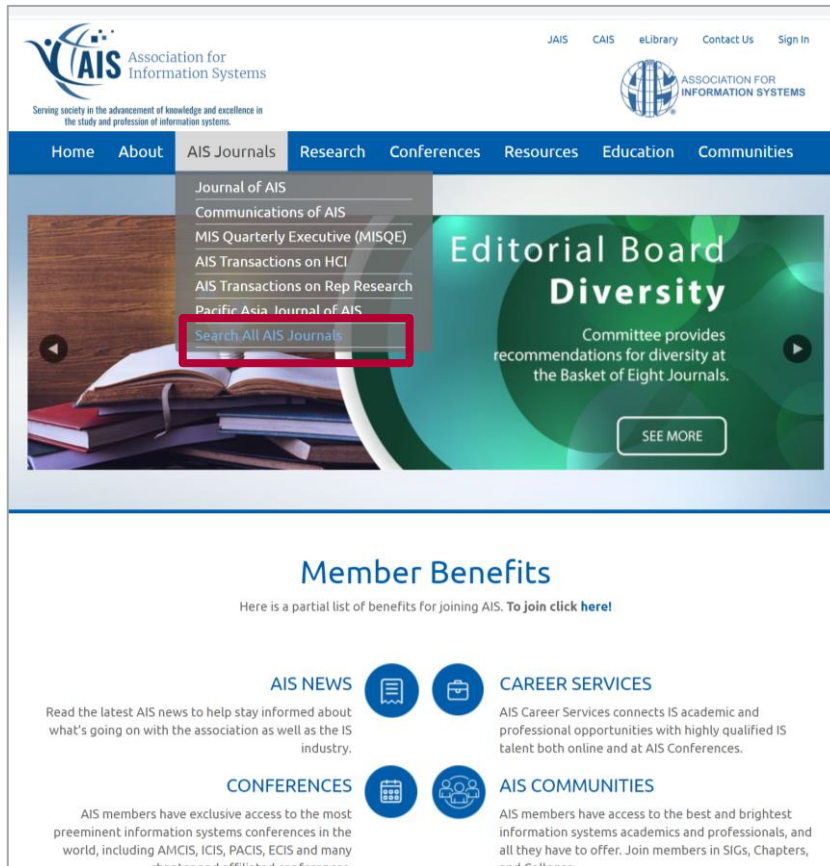
www.wirtschaftsinformatik.fraunhofer.de

Die Literatursuche in wissenschaftlichen Datenbanken bietet folgende Vorteile:

- Informationen aus wissenschaftlich validen Quellen zu bekommen
- Die Arten der Quellen können gezielt ausgewählt werden. Es könnte bspw. sinnvoll sein, wenn neue Forschungsthemen gesucht werden, den Fokus auf Forschungsartikel zu legen und nicht auf Lehrbücher
- Die Literatur durch die Verwendung von Suchstrings gezielt einzuschränken

Zu beachten ist:

- Die verschiedenen Datenbanken fokussieren sich oft auf unterschiedliche Themengebiete bzw. auf unterschiedliche Arten auf Quellen
- AIS eLibrary fokussiert sich stark auf Veröffentlichungen (Forschungsarbeiten und Zeitschriftenartikel), die für die akademische Gemeinschaft im Bereich der IS-Community relevant sind
- ScienceDirect fokussiert sich stark auf Beiträge für die akademische Gemeinschaft in der naturwissenschaftlichen, technischen und medizinischen Forschung



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Editorial Board Diversity

Committee provides recommendations for diversity at the Basket of Eight Journals.

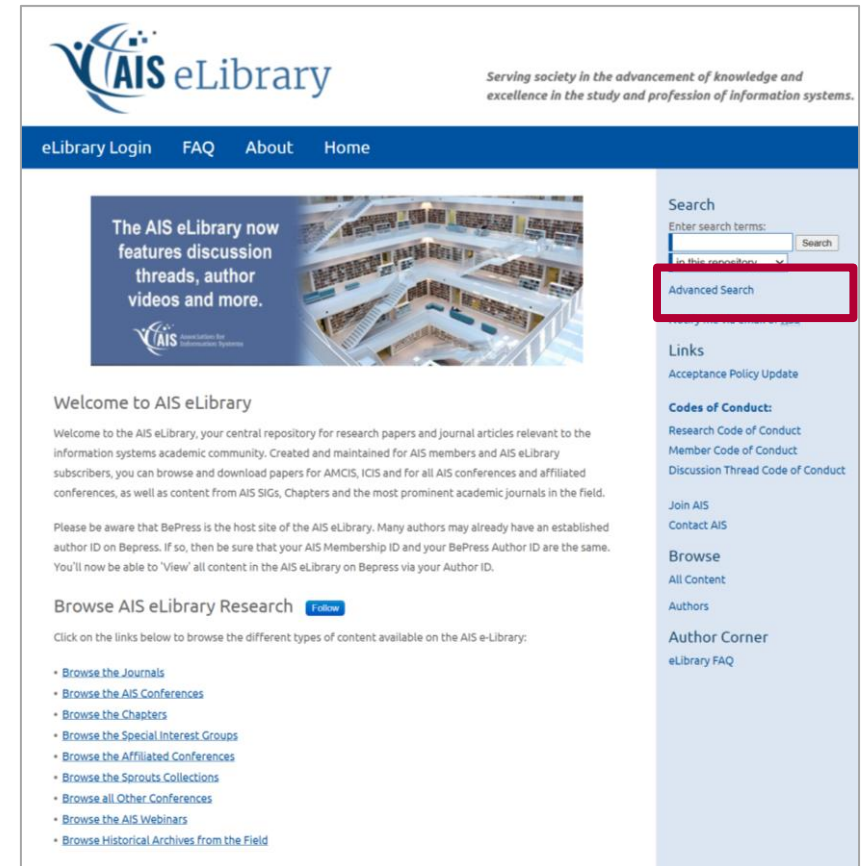
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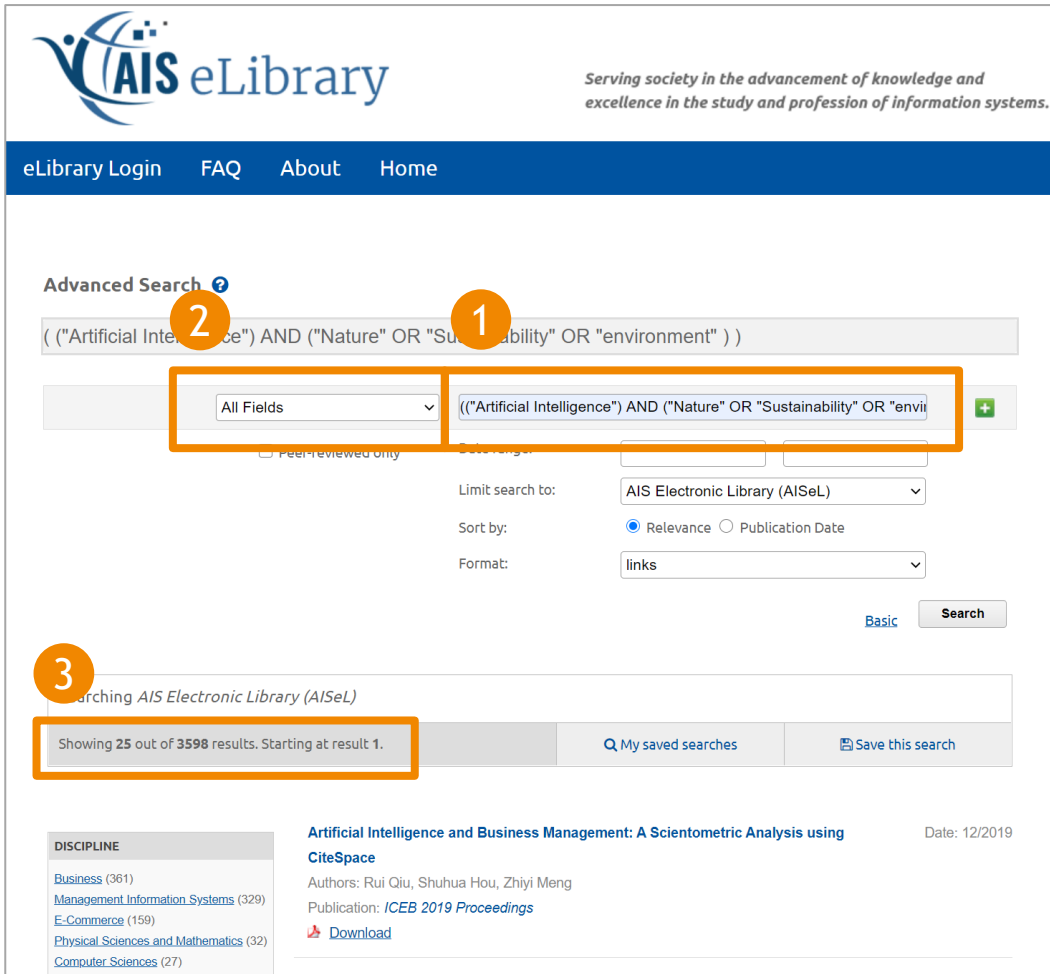
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<https://aisel.aisnet.org/>

AIS eLibrary - Advanced Search



The screenshot shows the AIS eLibrary Advanced Search page. The search string `((("Artificial Intelligence") AND ("Nature" OR "Sustainability" OR "environment")))` is entered in the search box (1). The search scope is set to "All Fields" (2). The search results show 25 out of 3598 results (3). The first result is "Artificial Intelligence and Business Management: A Scientometric Analysis using CiteSpace" by Rui Qiu, Shuhua Hou, and Zhiyi Meng, published in the ICEB 2019 Proceedings.

1. Definieren von passendem Suchstring
 ((("artificial intelligence") AND ("nature" OR "sustainability" OR "environment")))

2. Auswahl des Suchbereichs

Wichtig um den Suchbereich sinnvoll einzugrenzen. „All Fields“ bedeute in diesem Fall, dass das ganze Dokument nach dem Suchstring durchsucht wird

3. Anzahl der Suchergebnisse

Anhand der Anzahl der Suchergebnisse kann abgeschätzt werden, ob der Suchstring und der Suchbereich sinnvoll gewählt wurden

AIS eLibrary - Advanced Search

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Advanced Search ?

abst. **4** ("Artificial Intelligence") AND ("Nature" OR "Sustainability" OR "environment"))

Peer-reviewed only
 Date range: -
 Limit search to: AIS Electronic Library (AISeL)
 Sort by: Relevance Publication Date
 Format: links

Basic **Search**

Searching AIS Electronic Library (AISeL)

Showing 25 out of 57 results. Starting at result 1.

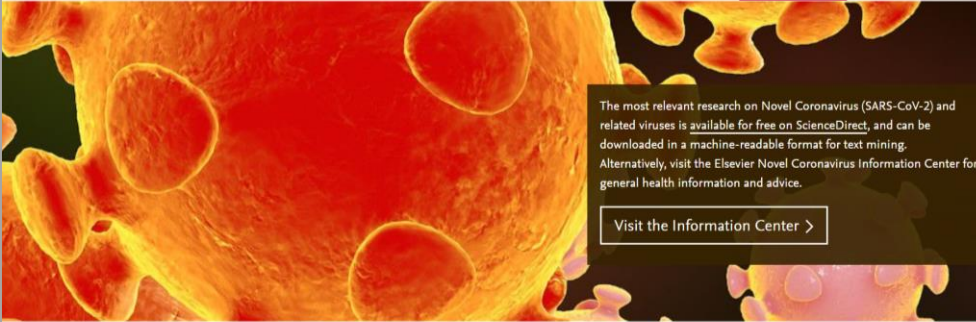
DISCIPLINE	Publication	Date
Business (11) Management Information Systems (11) E-Commerce (5)	User Interaction with AI-enabled Systems: A Systematic Review of IS Research Authors: Christine Rzepka, Benedikt Berger Publication: <i>ICIS 2018 Proceedings</i> Download	12/2018
KEYWORD Artificial Intelligence (6) Artificial intelligence (5) Adoption (3) AI (2)	Artificial Intelligence in Smart Tourism: A Conceptual Framework Authors: Rua-Huan Tsaih, Chih Chun Hsu Publication: <i>ICEB 2018 Proceedings</i> Download	12/2018

4. Einschränken der Trefferanzahl

Suche sollte auf bestimmte Abschnitte fokussiert werden. Mögliches Vorgehen: Screening von Titel und Abstrakt (vgl. Präsentation „Einführung in wissenschaftliches Arbeiten“)

Search for peer-reviewed journals, articles, book chapters and open access content.

Keywords Author name Journal/book title Volume Issue Pages



The most relevant research on Novel Coronavirus (SARS-CoV-2) and related viruses is available for free on ScienceDirect, and can be downloaded in a machine-readable format for text mining. Alternatively, visit the Elsevier Novel Coronavirus Information Center for general health information and advice.

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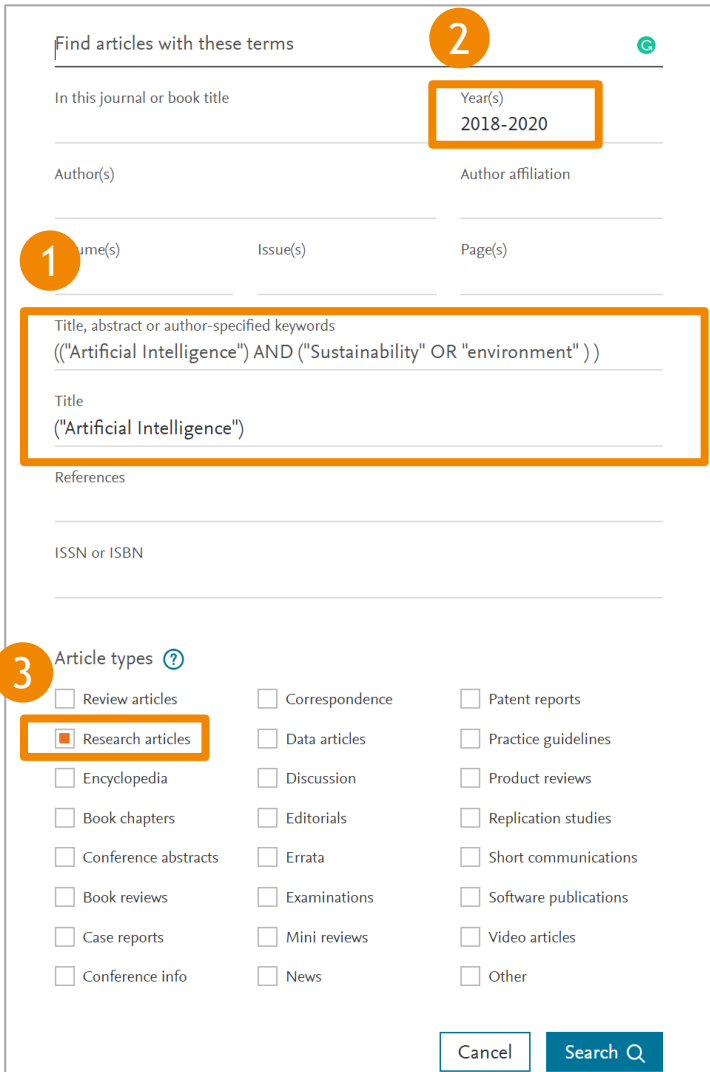
Physical Sciences and Engineering Life Sciences Health Sciences Social Sciences and Humanities

Physical Sciences and Engineering

Chemical Engineering	From foundational science to new and novel research, discover our large collection of Physical Sciences and Engineering publications, covering a range of disciplines, from the theoretical to the applied.	Recent Publications
Chemistry		
Computer Science	Popular Articles	Pattern Recognition Letters Volume 139
Earth and Planetary Sciences		
Energy	GOES-16 ABI solar reflective channel validation for earth science application Remote Sensing of Environment, Volume 237	International Journal of Mechanical Sciences Volume 187
Engineering		
Materials Science	Mechanism and technological opportunity of plasma electrolytic	
Mathematics		
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ScienceDirect - Suchmaske



Find articles with these terms 2

In this journal or book title Year(s)
2018-2020

Author(s) Author affiliation

1 Volume(s) Issue(s) Page(s)

Title, abstract or author-specified keywords
(("Artificial Intelligence") AND ("Sustainability" OR "environment"))


Title
("Artificial Intelligence")

References

ISSN or ISBN

3 Article types ?

<input type="checkbox"/> Review articles	<input type="checkbox"/> Correspondence	<input type="checkbox"/> Patent reports
<input checked="" type="checkbox"/> Research articles	<input type="checkbox"/> Data articles	<input type="checkbox"/> Practice guidelines
<input type="checkbox"/> Encyclopedia	<input type="checkbox"/> Discussion	<input type="checkbox"/> Product reviews
<input type="checkbox"/> Book chapters	<input type="checkbox"/> Editorials	<input type="checkbox"/> Replication studies
<input type="checkbox"/> Conference abstracts	<input type="checkbox"/> Errata	<input type="checkbox"/> Short communications
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1. Eingabe des Suchstrings

Differenzierung der Suchbegriffe in den einzelnen Feldern möglich. Der Suchstring wurde für ScienceDirect um eine „OR“ Bedingung verkürzt, da sonst bedingt durch die größere Datenbank, die Menge an Suchergebnisse zu groß ist. Für das Hinzufügen oder Entfernen von Suchbegriffen gibt es keine klare Regel. Hier war es sinnvoll, dass der Suchbegriff „nature“ entfernt wurde, da „environment“ und „sustainability“ den Suchbereich abdecken

2. Einschränken des Erscheinungsjahrs

Durch das Einschränken des Erscheinungsjahrs kann die Aktualität der gesuchten Literatur gesichert werden

3. Auswahl der Arten von Quellen

Hier kann man durch Kreuze setzen den Article typ gezielt einschränken.

ScienceDirect - der Export der Dateien ist möglich

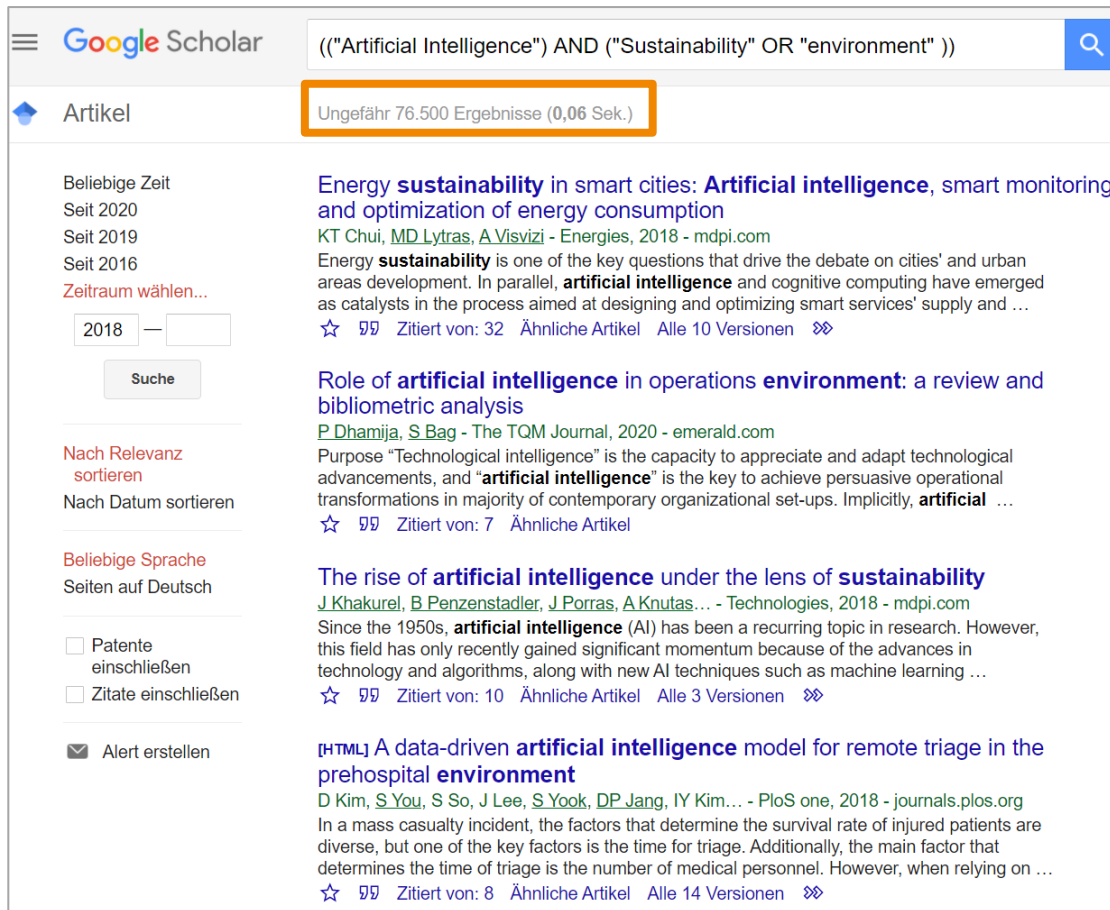
The screenshot shows the ScienceDirect search results page. The search criteria are: Year: 2018-2020, Title, abstract, keywords: ((("Artificial Intelligence")AND("Sustainability" OR "environment"))) AND search. The results are sorted by relevance. On the left, there is a sidebar with filters for 'Refine by' (Years, Article type, Publication title, Subject areas, Access type) and a 'Clear all filters' button. A red box highlights the 'Download selected articles' and 'Export' buttons at the top of the results list. A red circle with the number '4' is placed over the sidebar filters, and a red circle with the number '5' is placed over the 'Download selected articles' and 'Export' buttons.

4. Weitere Einschränkung des Suchbereichs

Der Suchbereich kann flexibel und themenspezifisch weiter eingeschränkt werden

5. Download und Exportmöglichkeit der relevanten Dokumente

Google Scholar - die „einfache“ Alternative?



Google Scholar

(("Artificial Intelligence") AND ("Sustainability" OR "environment"))

Artikel

Ungefähr 76.500 Ergebnisse (0,06 Sek.)

Beliebige Zeit
Seit 2020
Seit 2019
Seit 2016
Zeitraum wählen...
2018 —
Suche

Nach Relevanz sortieren
Nach Datum sortieren

Beliebige Sprache
Seiten auf Deutsch

Patente einschließen
 Zitate einschließen

Alert erstellen

Energy sustainability in smart cities: **Artificial intelligence**, smart monitoring, and optimization of energy consumption
KT Chui, MD Lytras, A Visvizi - Energies, 2018 - mdpi.com
Energy **sustainability** is one of the key questions that drive the debate on cities' and urban areas development. In parallel, **artificial intelligence** and cognitive computing have emerged as catalysts in the process aimed at designing and optimizing smart services' supply and ...
☆ ⓘ Zitiert von: 32 Ähnliche Artikel Alle 10 Versionen ⓘ

Role of **artificial intelligence** in operations **environment**: a review and bibliometric analysis
P Dhamija, S Bag - The TQM Journal, 2020 - emerald.com
Purpose "Technological intelligence" is the capacity to appreciate and adapt technological advancements, and "**artificial intelligence**" is the key to achieve persuasive operational transformations in majority of contemporary organizational set-ups. Implicitly, **artificial** ...
☆ ⓘ Zitiert von: 7 Ähnliche Artikel

The rise of **artificial intelligence** under the lens of **sustainability**
J Khakurel, B Penzenstadler, J Porras, A Knutas... - Technologies, 2018 - mdpi.com
Since the 1950s, **artificial intelligence** (AI) has been a recurring topic in research. However, this field has only recently gained significant momentum because of the advances in technology and algorithms, along with new AI techniques such as machine learning ...
☆ ⓘ Zitiert von: 10 Ähnliche Artikel Alle 3 Versionen ⓘ

[HTML] A data-driven **artificial intelligence** model for remote triage in the prehospital **environment**
D Kim, S You, S So, J Lee, S Yook, DP Jang, IY Kim... - PloS one, 2018 - journals.plos.org
In a mass casualty incident, the factors that determine the survival rate of injured patients are diverse, but one of the key factors is the time for triage. Additionally, the main factor that determines the time of triage is the number of medical personnel. However, when relying on ...
☆ ⓘ Zitiert von: 8 Ähnliche Artikel Alle 14 Versionen ⓘ

➔ Sinnvoll für einen ersten Eindruck und die wichtigsten Artikel

⚡ Jedoch werden eine Vielzahl an Suchergebnissen vorgeschlagen, ohne die Quellen sinnvoll einzugrenzen. Durch die große Anzahl an Suchergebnissen besteht die Gefahr, sich in der Literatursuche zu verlieren und keine sinnvollen Grenzen zu setzen.