



# A Systematic Mapping Study on Industry 4.0

Databases, Search Queries, Results

#### Overview

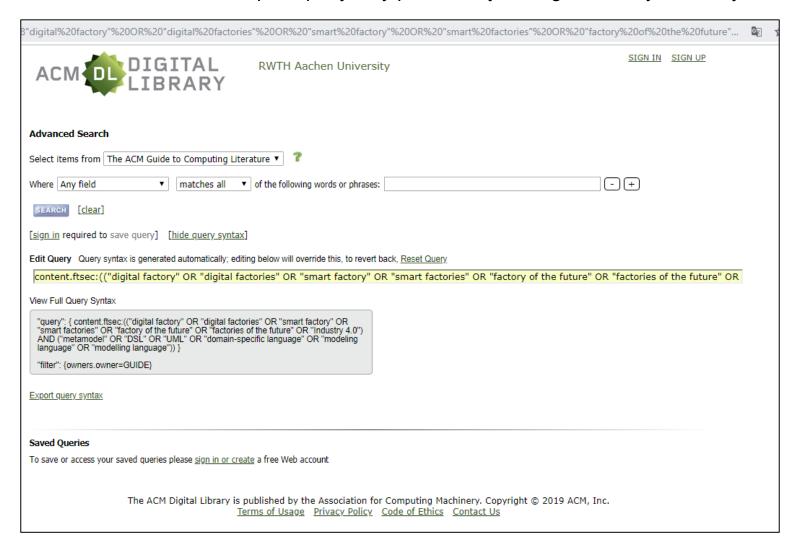
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#### **Total Papers**

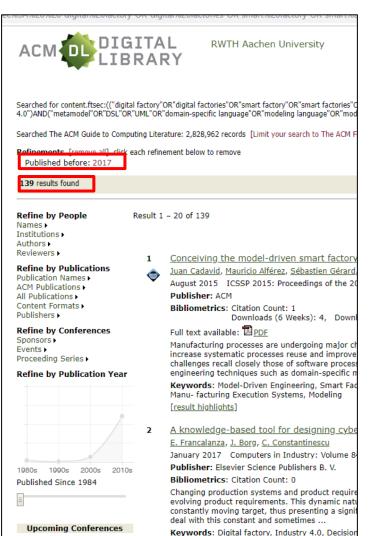
- Google Scholar: 971 + 606 papers = 1577
- IEEE Xplore: 151 + 104 papers = 255
- ACM DL: 104 + 34 papers = 138
- SpringerLink: 240 + 102 papers = 342
- Scopus 504 papers
- Web of Science 32 papers= 2848 papers
- Removed 561 duplicates = 2287 papers left
- Removed 1369 papers by criteria = 918 papers left
- Read and considered irrelevant 570 papers = 348 papers left
- Yields 348 relevant papers

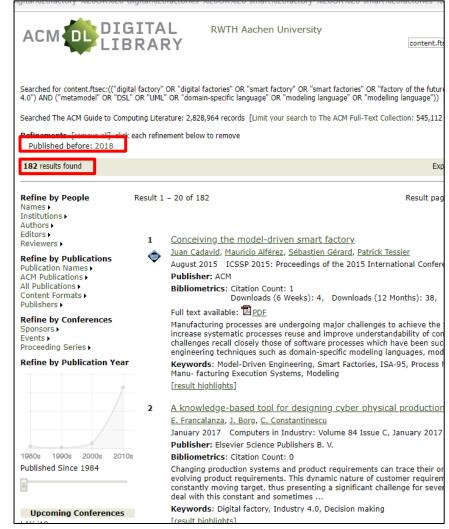
# ACM Digital Library: Restrictions and Query

Full text search with complex query only possible by editing the Query manually



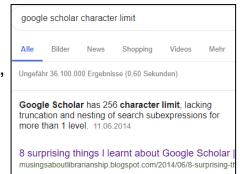
# ACM Digital Library: Results of 2017 and 2018

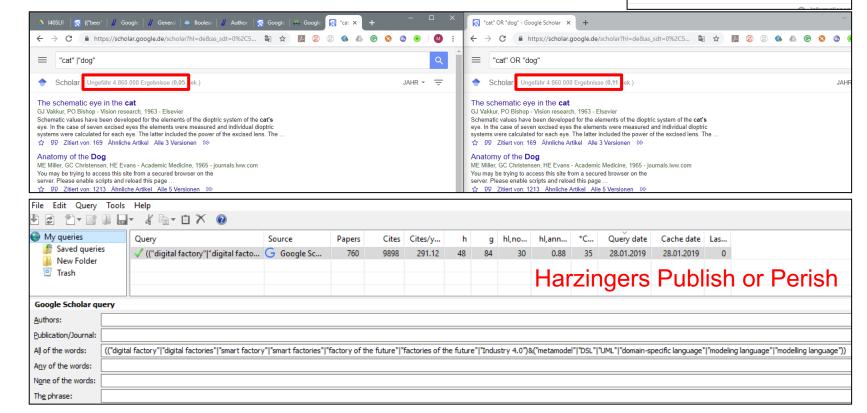




# Google Scholar via Harzingers "Publish or Perish": Restrictions and Query

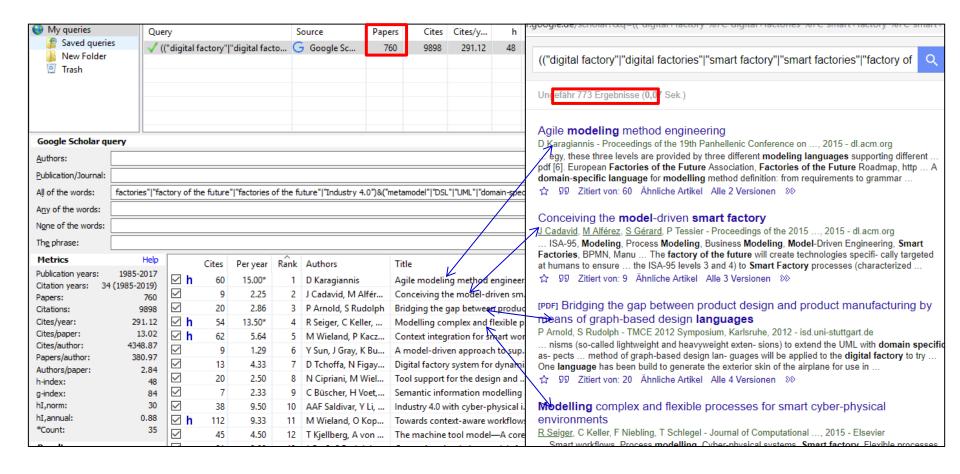
- 256 Character limit → Replace "AND " with "&" and "OR " with "|"
- (("digital factory"|"digital factories"|"smart factory"|"smart factories"|"factory of the future"|"factories of the future"|"Industry 4.0") & ("metamodel"|"DSL"|"UML"|"domain-specific language"|"modeling language"))





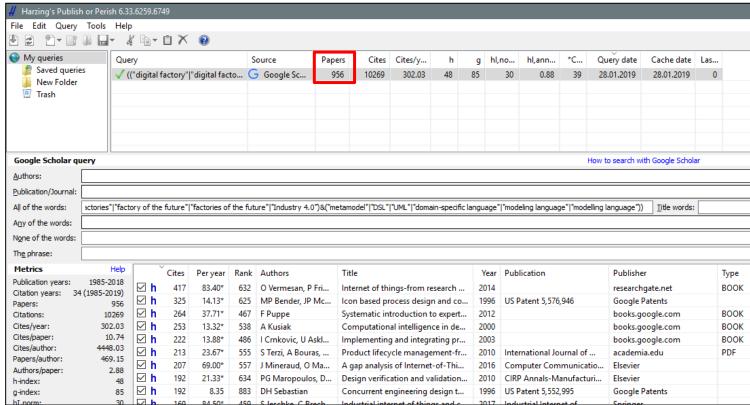
#### Scholar 2017

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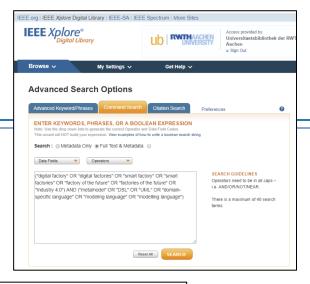
#### Scholar 2018

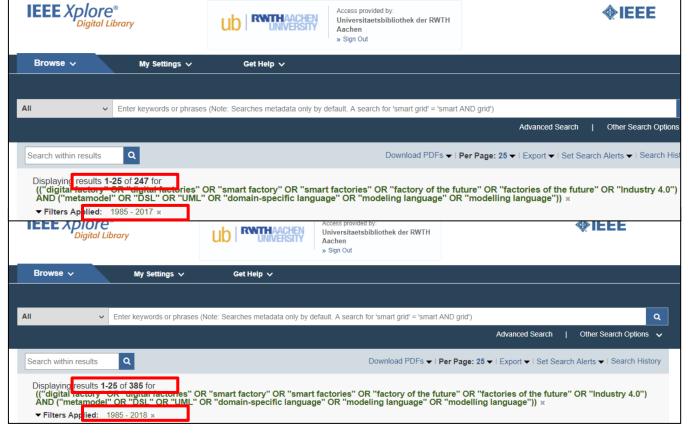




# IEEE Xplore: Restrictions and Query

40 Search terms (no issue)

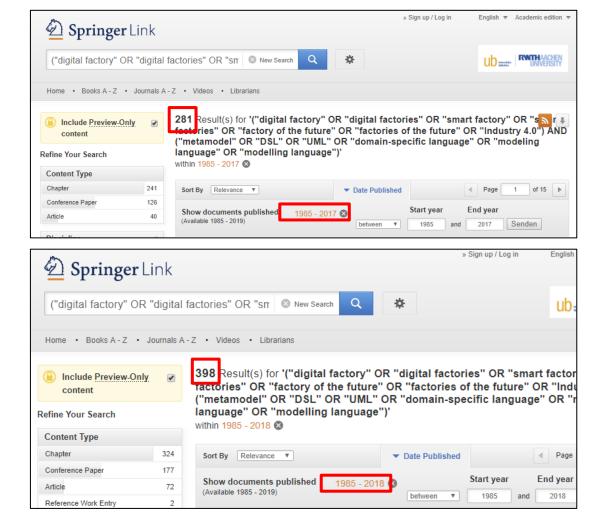




## SpringerLink: Restrictions and Query

No restrictions: copied and pasted query into search field





# Scopus: Restrictions and Query

#### No restrictions



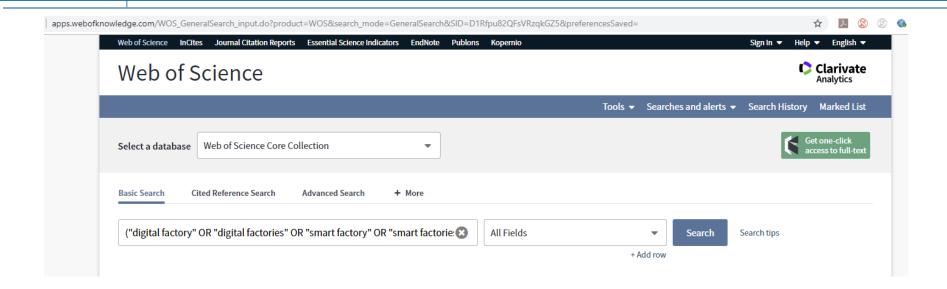
# Scopus: Results of 2017 and 2018



A. Wortmann, B. Combemale, O. Barais, M. Wimmer

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### Web of Science



#### Web of Science



#### Web of Science



