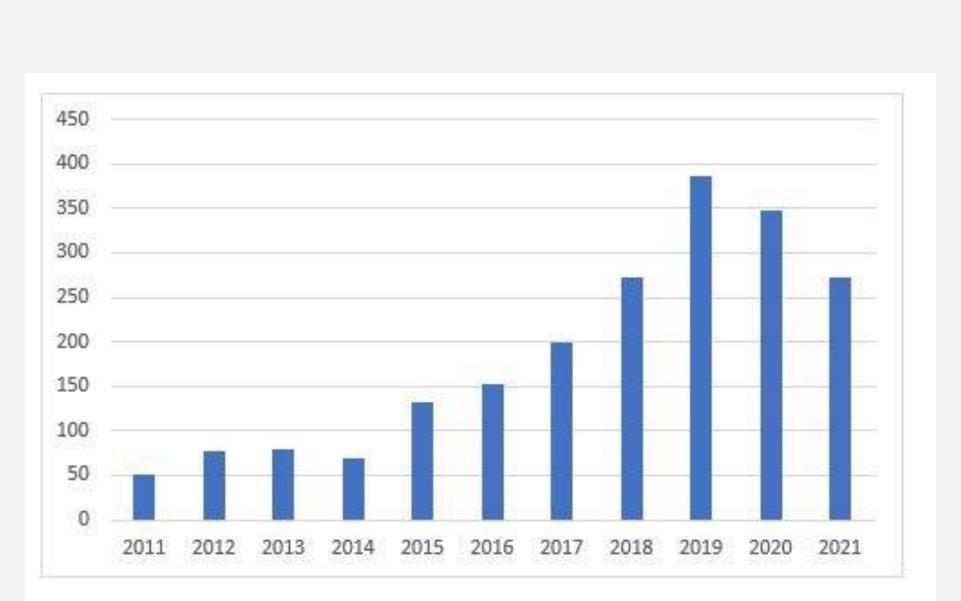
ENERGY MANAGEMENT AND DIGITALIZATION BIBLIOMETRIC ANALYSIS

Gerta Kapllani

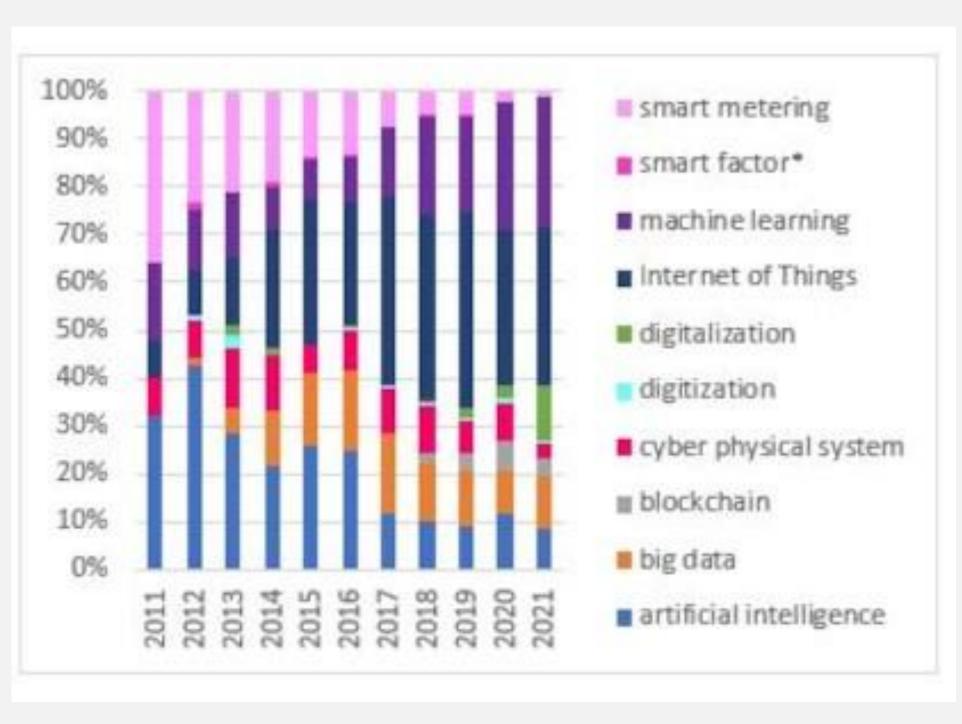


Descriptive analysis

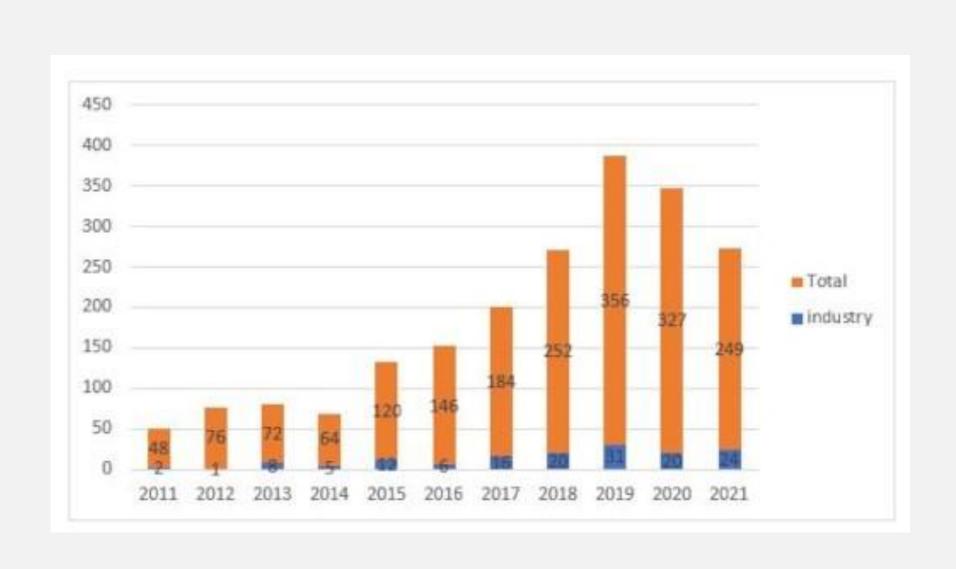
❖ In this paper, we want to present an overall structure of the research area and hotspots for energy management and digitalization topic.



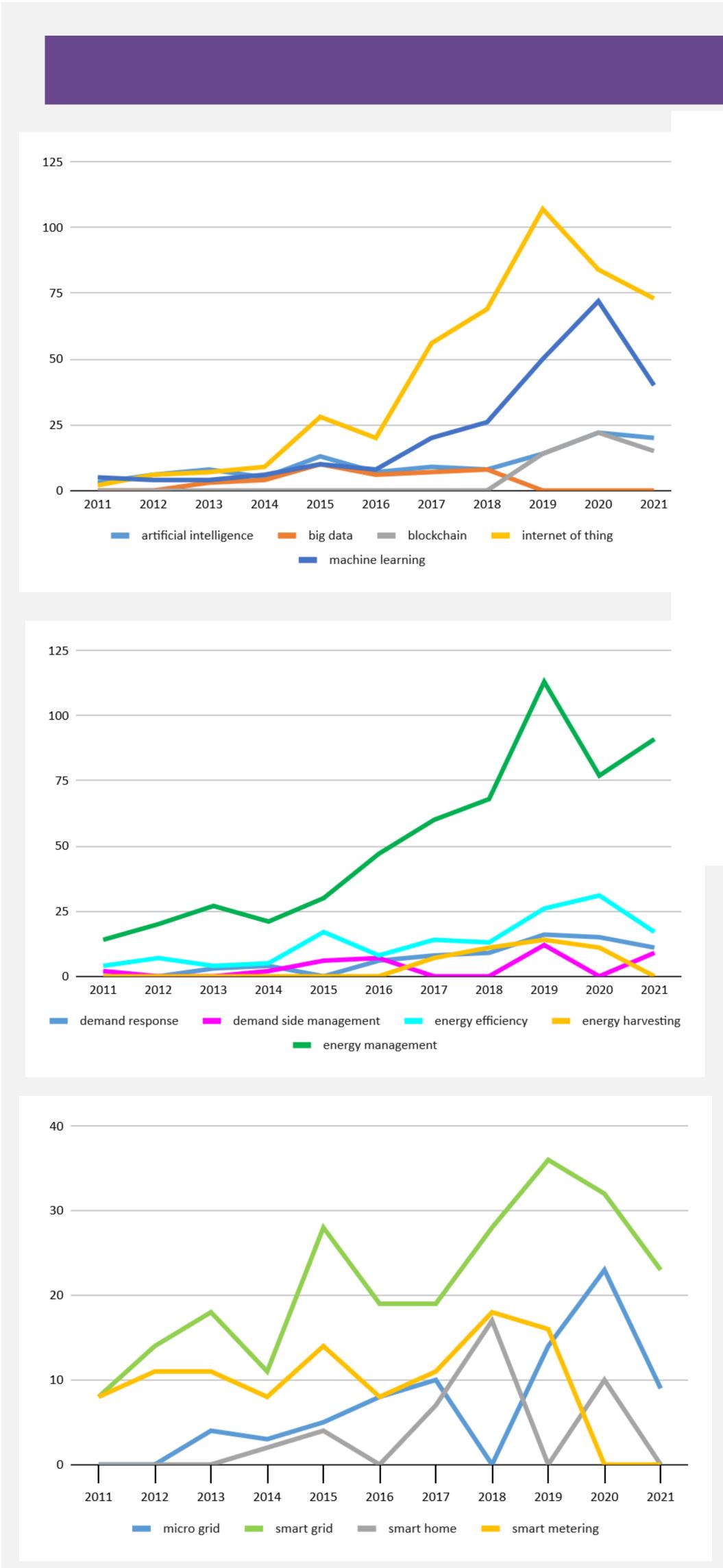




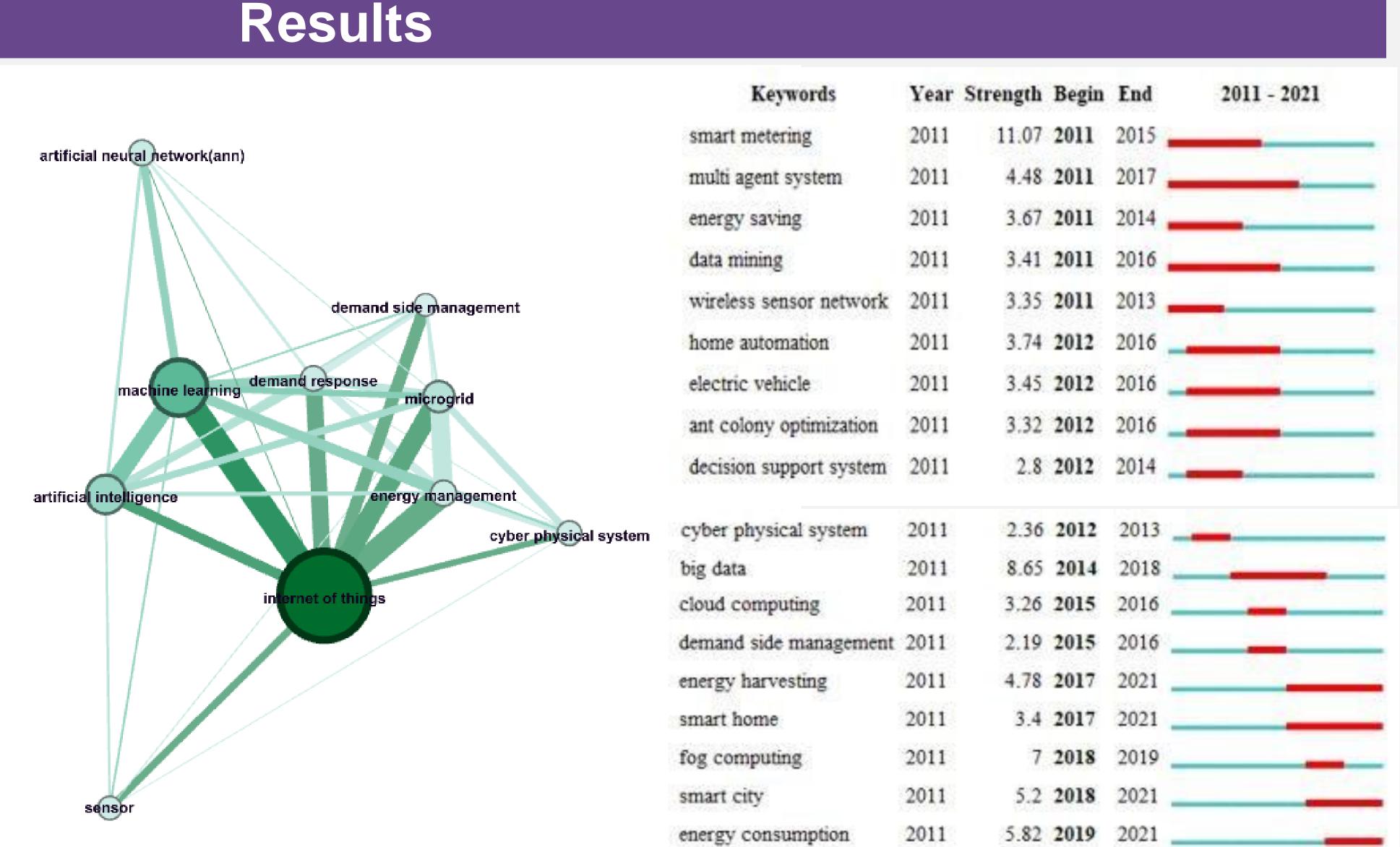
Publication distribution



"Industry" term related publications



Keyword evolution analysis



Co-(key)word analysis

Burst analysis

Discussion

- Publications in "Energy management & Digitalization "have an increasing trend. The articles published in 2021 are retrieved in the third quarter of the year, consequentially the total number of publications for this year is not complete. Moreover, the COVID-19 Crisis might have impacted '20.
- The majority of studies fall into the Internet of Things, machine learning, artificial intelligence topics.
- Inspecting keyword evolution which represents research theme can be noticed that the most frequent keywords are: energy management, Internet of Thing, machine learning, microgrid, smart grid, smart home, smart metering, artificial intelligence, big data, blockchain, demand response, demand side management, energy efficiency, energy harvesting. Many of these keywords have had burst periods for i.e. smart metering, big data, demand side management, energy harvesting.
- In the burst analysis, can be noticed also other terms with a high value of burst might be considered for further research or investigation.
- To identify keyword research topics, co-(key)word analysis has been implemented. The keywords that mostly occur together are Internet of Thing, machine learning, energy management, artificial intelligence, microgrid, demand response, cyber physical system, demand side management, artificial neural network (ann). They imply the main research areas in the literature for our topic of interest.



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