SLR Protocol

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# Taxonomy for characterising EA debts

## Springer Link

### Search 1 (TD taxonomy)

Database: link.springer.com (classical search)

Date: 2024-09-02

Search term: “technical debt” and taxonomy

Number of results: 553

Filter 1: “technical debt” in title: 26

Available: 17

### Search 2 (TD classification)

Database: link.springer.com (classical search)

Date: 2024-09-02

Search term: “technical debt” and classification

Number of results: 921

Filter 1: “technical debt” in title: 64

Filter 2: “technical debt” in title AND “classification” in title: 4

Available: 1

### Backwards search

Found two papers covered by SLR in Science Direct

## Science Direct

Database: www.sciencedirect.com

Date: 2024-09-03

### Search 1

Search term: "technical debt" AND taxonomy

Number of results: 187 🡪 not followed and changed search -> search 2

### Search 2

Search term: "technical debt" AND taxonomy IN: title, abstract, keywords

Number of results: 8

Excluded: one paper just editorial -> 7 papers

## IEEE

Database: ieeexplore.ieee.org

Date: 2024-09-06

### Search

Search term: “technical debt” AND taxonomy (in meta data)

Number of results: 19

Filter: “technical debt” in title: 14

1 not available: -> 13

Excluded:

I1: only prioritisation

I5: only refactoring

I9: only code and build

I11: model-driven debts

# Taxonomy for assessing impact of EA debt

## Springer Link

Database: link.springer.com (classical search)

Date: 2024-09-03

### Search 1

Search term: impact AND "enterprise architecture"

Number of results: 372

(Filter: book, article, chapter 370)

(Filter: “impact” in title: 2)

(Filter: since 2015: 224)

#### Filter 1

Filter: Book: 9

Excluded 3 based on book title: a) DevOps/Cloud, b) cartography, c) SAP, d) frameworks

#### Filter 2

Filter: article:58

Filter: year since 2014: 37

Chosen: 7 based on title

## ScienceDirect

Database: www.sciencedirect.com

Date: 2024-09-17

### Search

Search term: "enterprise architecture" AND impact IN: title, abstract, keywords

Number of results: 167

### Filter

Filter: “enterprise architecture” in: title: 13

Excluded: not older than 10 years: 10

Excluded: impact \_on\_ EA: 8

Excluded: topic (while reading): 6

## IEEE

Database: ieeexplore.ieee.org

Date: 2024-09-17

### Search

Search term: ("Document Title":enterprise architecture) AND ("Document Title":impact)

Number of results: 13

Filter: topic: 5