**Search string and filter settings**

Root string: software AND (API OR library OR package) AND (architecture OR design OR structure) AND (construction OR guideline OR recovery OR implementation OR (best practice))

**ACM:**

**Search engine usage:** Advanced Search -> Search Within -> set to “anywhere”, then copy-paste the search syntax to its input box.

**Search Syntax:**

Title:(software AND (API OR library OR package) AND (architecture OR design OR structure) AND (construction OR guideline OR recovery OR implementation OR (best practice))) OR Abstract:(software AND (API OR library OR package) AND (architecture OR design OR structure) AND (construction OR guideline OR recovery OR implementation OR (best practice))) OR Keyword:(software AND (API OR library OR package) AND (architecture OR design OR structure) AND (construction OR guideline OR recovery OR implementation OR (best practice)))

**Filter (1600 results):** None

**IEEE:**

**Search engine usage:** Advanced Search -> Command Search -> use the following command

**Search Syntax:**

(("Document Title": software AND (API OR library OR package) AND (architecture OR design OR structure) AND (construction OR guideline OR recovery OR implementation OR "best practice")) OR ("Abstract": software AND (API OR library OR package) AND (architecture OR design OR structure) AND (construction OR guideline OR recovery OR implementation OR "best practice")) OR ("Author Keywords": software AND (API OR library OR package) AND (architecture OR design OR structure) AND (construction OR guideline OR recovery OR implementation OR "best practice")))

**Filter** **(before 3795, after 3774 results):** On the top of search results, check all options other than “book”

**Web of Science**

**Search Engine usage:** Advanced Search -> Query Preview -> enter the Search Syntax into the box -> click search -> select filter from the left side of search results.

**Search Syntax:**

(TI=(software AND (API OR library OR package) AND (architecture OR design OR structure) AND (construction OR guideline OR recovery OR implementation OR "best practice"))) OR (AB=(software AND (API OR library OR package) AND (architecture OR design OR structure) AND (construction OR guideline OR recovery OR implementation OR "best practice"))) OR (AK=(software AND (API OR library OR package) AND (architecture OR design OR structure) AND (construction OR guideline OR recovery OR implementation OR "best practice")))

**Filter (3370 results):** havechosen the following subject: CS Theory Methods, CS software engineering, CS information systems, CS interdisciplinary applications, CS AI, engineering multidisciplinary

**ScienceDirect**

**Search Engine usage:** ScienceDirect only allows 8 Boolean operators for each search. So the root string was broken into three pieces to search.

Go to Advanced Search -> show all fields -> select the input box for“Title, abstract or author-specified keywords”-> enter the following commands and search separately -> set filter on the left side of search results.

**Search Syntax:**

1. 191 results (with filter)

software AND (API OR library OR package) AND (architecture OR design OR structure) AND (construction OR guideline)

1. 60 results (with filter)

software AND (API OR library OR package) AND (architecture OR design OR structure) AND (recovery OR "best practice")

1. 1290 results (with filter)

software AND (API OR library OR package) AND (architecture OR design OR structure) AND implementation

**Filter: “**Subject Areas”: Engineering and Computer Science

**Scopus**

**Search Engine usage:** Advanced Document Search -> enter the command

**Search Syntax:**

TITLE(software AND (API OR library OR package) AND (architecture OR design OR structure) AND (construction OR guideline OR recovery OR implementation OR "best practice")) OR KEY(software AND (API OR library OR package) AND (architecture OR design OR structure) AND (construction OR guideline OR recovery OR implementation OR "best practice")) OR ABS(software AND (API OR library OR package) AND (architecture OR design OR structure) AND (construction OR guideline OR recovery OR implementation OR "best practice"))

**Filter (6423 results):**

Subject: Computer Science, engineering,

Document type: Conference paper/review, article/review

Source type: Journal, Conference Proceeding

**SpringerLink**

**Search Engine usage:** directly enter the root string into the general search box

**Root String:**

software AND (API OR library OR package) AND (architecture OR design OR structure) AND (construction OR guideline OR recovery OR implementation OR (best practice))

**Filter:**

* + 1. Exclude Preview-Only content by uncheck the yellow checkbox
    2. Discipline: Computer science
    3. Subdiscipline: Computer Science, general; Software Engineering
    4. Content type: Article (1898 results); Conference Paper (271 results)
  1. Newest Number of results: 1934