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1  GraphDatabaseService graphDB = config();
2  try(Transaction tx = graphDB.beginTx()){
3      // hit Lucene index
4      IndexHits<Node> hits = graphDB.index()
5          .forNodes("fullTextIndex").query("title:graph AND title:database");
6      // calculate relevant importance score
7      List<ReleImpScore> listScore = calcRelevantImportance(hits, "graph database");
8      List<String> paIDs = getTopKIDs(listScore);
9      // execute cypher, retrieve paper info by paper IDs
10     Result queryResult = graphDB.execute(
11         "WITH {paIDs} AS coll UNWIND coll AS col"
12         + "MATCH (p:Paper)-[:PaToPAA]->(r:PAA)-[:PAAToAut]-(a:Author) "
13         + "WHERE p.paID= col "
14         + "WITH p.title, COLLECT(a.auName), SIZE()-[:PaRef]->(p)) AS citations, r..."
15         + "RETURN title, paID, citations, authors, authorsID;" );
16     tx.success();
17 }

```