

- Rechercheplan erstellt ▾

This is a comprehensive systematic literature review (SLR) request focused on agentic AI workflows for proposal generation. Let me break this down:

#### Assessment and breakdown:

1. The user wants a systematic literature review on agentic AI workflows for proposal/quote generation
2. They've specified very detailed search criteria, inclusion/exclusion criteria, quality assessment scoring, and output format
3. This requires searching multiple academic databases (arXiv, Google Scholar, IEEE Xplore, Scopus, Springer Link, ResearchGate, Semantic Scholar, OpenAlex)
4. The focus is on finding papers that describe architectural patterns, implementation frameworks, and protocols for agentic AI systems
5. Key patterns to look for: ReAct, Plan-and-Execute, Tool calling, Multi-agent orchestration, Self-reflection, Memory management, Human-in-the-loop, MCP, Agent communication protocols

**Query type determination:** This is a **breadth-first query** - it requires searching multiple independent academic sources with specific search strings, gathering papers from each source, then applying quality assessment and deduplication. The task naturally divides into parallel research streams across different databases.

#### Research plan:

1. Deploy multiple subagents to search different academic databases in parallel
2. Each subagent should:
  - Search their assigned database using the Boolean search logic
  - Screen papers against inclusion/exclusion criteria

- Screen papers against inclusion/exclusion criteria
- Apply quality assessment scoring
- Return structured results

Given the complexity and the 8 databases to search, I should create subagents for:

- arXiv (primary source)
- Google Scholar + Semantic Scholar (both general academic search)
- IEEE Xplore + ACM (technical/engineering focus)
- Springer Link + Scopus (comprehensive academic)
- ResearchGate + OpenAlex (open access focus)

Actually, let me think about this more carefully. I need to be efficient. Let me group by accessibility and type:

1. **arXiv subagent** - Primary source, open access, preprints
2. **Google Scholar + Semantic Scholar subagent** - Comprehensive academic search engines
3. **IEEE Xplore subagent** - Specialized engineering and computer science research
4. **Springer/Scopus/OpenAlex subagent** - Established academic publishing platforms
5. **ResearchGate subagent** - Collaborative academic networking site

I'll strategically allocate search responsibilities to ensure comprehensive coverage while minimizing redundancy. Each subagent will have a distinct research focus and database ecosystem, maximizing the potential for discovering unique, relevant research on agentic AI workflows.

The proposed structure creates a robust multi-source research discovery framework. By leveraging specialized and broad academic platforms, I can capture cutting-edge research across different domains and publication channels.

- 476 Quellen gesammelt  >
- Super! Der Forschungsbericht ist fertig