

A systematic review of proposals for the social integration of elderly people using Ambient Intelligence and Social Networking Sites

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Appendix A: The search strings

The search was conducted in the advanced search mode in digital libraries. In the case of some libraries, the search string had to be shortened due to length

restrictions. However, the most relevant keywords still covered as many potential studies as possible.

Digital library	Search location	Search string detailed	Number of papers found
SCIENCE DIRECT	Title, abstract, keywords, and all available years	(TITLE-ABSTR-KEY({socialize} OR {isolation} OR {social isolation} OR {social exclusion} OR {social interaction} OR {aging in place} OR {home care} OR {health monitoring} OR {health care} OR {healthcare} OR {well-being} OR {wellness} OR {behavioral patterns} OR {emotional ties} OR {activity recognition}))AND TITLE-ABSTR-KEY({elder} OR {older} OR {elderly} OR {senior} OR {older people})AND TITLE-ABSTR-KEY({ambient intelligence} OR {technology} OR {mobile} OR {ubiquitous} OR {ambient information systems} OR {artificial intelligence} OR {pervasive computing} OR {social networking} OR {social network} OR {social media}))	190
ACM Digital Library	Abstract and all available years	(Abstract:"socialize" OR Abstract:"isolation" OR Abstract:"social isolation" OR Abstract:"social exclusion" OR Abstract:"social interaction" OR Abstract:"aging in place" OR Abstract:"home care" OR Abstract:"health monitoring" OR Abstract:"health care" OR Abstract:"healthcare" OR Abstract:"well-being" OR Abstract:"wellness" OR Abstract:"behavioral patterns" OR Abstract:"emotional ties" OR Abstract:"activity recognition") AND (Abstract:"elder" OR Abstract:"older" OR Abstract:"elderly" OR Abstract:"senior" OR Abstract:"older people") AND (Abstract:"ambient intelligence" OR Abstract:"technology" OR Abstract:"mobile" OR Abstract:"ubiquitous" OR Abstract:"ambient information systems" OR Abstract:"artificial intelligence" OR Abstract:"pervasive computing" OR Abstract:"social networking" OR Abstract:"social network" OR Abstract:"social media")	280
IEEE Xplore digital library	Abstract and All available years	("Abstract": "socialize" OR "isolation" OR "social isolation" OR "social exclusion" OR "social interaction" OR "aging in place" OR "home care" OR "health monitoring" OR "health care" OR "healthcare" OR "well-being" OR "wellness" OR "behavioral patterns" OR "emotional ties" OR "activity recognition") AND ("Abstract": "elder" OR "older" OR "elderly" OR "senior" OR "older people") AND ("Abstract": "ambient intelligence" OR "technology" OR "mobile" OR "ubiquitous" OR "ambient information systems" OR "artificial intelligence" OR "pervasive computing" OR "social networking" OR "social network" OR "social media")	648
SpringerLink	Abstract and all available years	(ab:(social or isolation or "health care" or "aging in place")) and (ab:(elder or older)) and (ab:(mobile or technology or intelligence or "social network"))	156
Total			1,274