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## Evaluation of UAV Based Schemes for Forest Fire Monitoring

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关键词	<a href="#">Forestfiremonitoring</a> ; <a href="#">UAV</a> ; <a href="#">Mechatronicevaluation</a> ;
摘要	This paper presents a mechatronic evaluation of forest fire monitoring systems based on UAV. To begin with, a mapping of the requirements to the mechatronic abilities, which should be embodied by these systems, is presented. The enabling technologies that support these abilities are briefly reported. The evaluation of these systems' architectural schemes is accomplished with the discrete Choquet integral. As a result, UAV based schemes are found to be better than other proposed schemes for forest fire monitoring.
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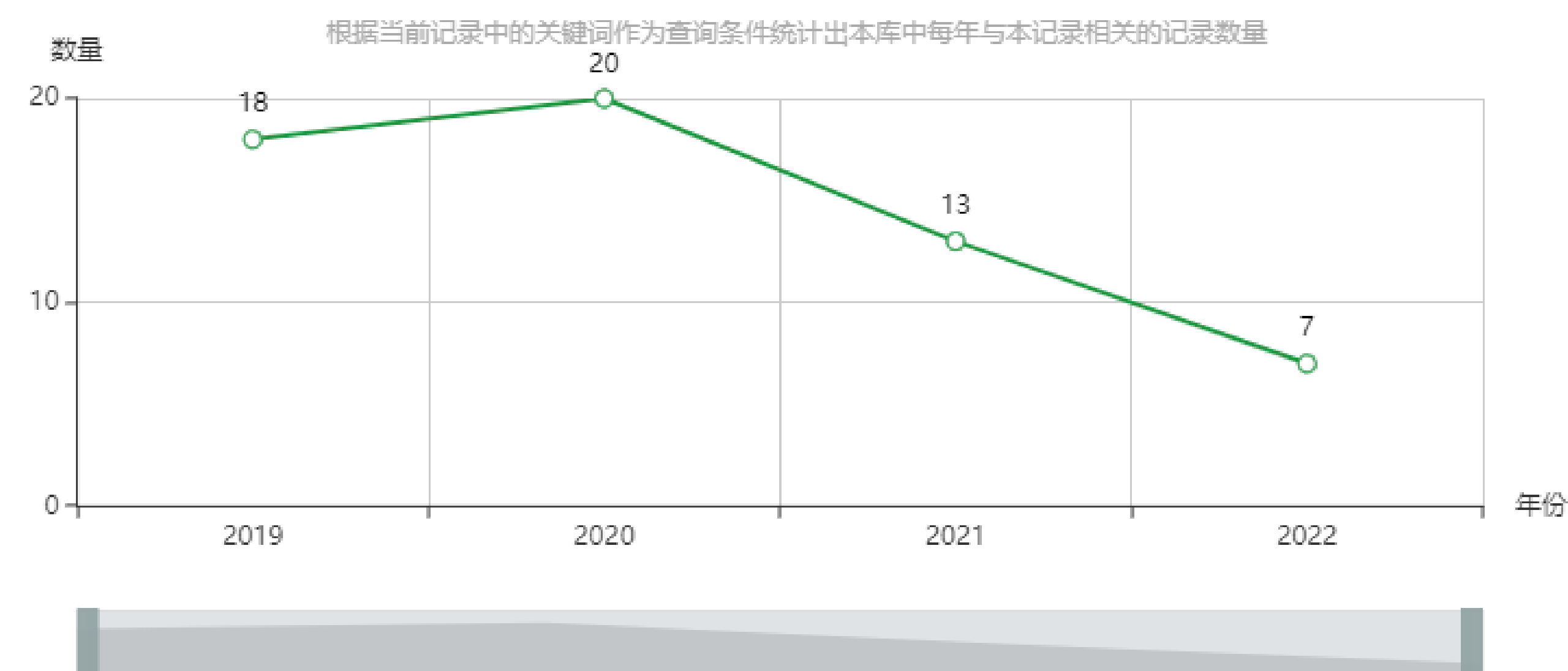
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