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A survey on the application of blockchain technology for cyber-physical systems

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This paper presents a systematic review of the literature on the application of blockchain technology to improve the security of cyber-physical systems. The objective of the article was to identify current challenges, evaluate existing solutions, and propose future research directions. A Preferred Reporting Items for Systematic Reviews and Meta-Analyses framework was used to ensure that the result of this comprehensive review is not biased. The results and key findings have highlighted that there is a potential usage of the blockchain technology to address security challenges in a cyber-physical systems, including data integrity, authentication, and secure communication. This survey paper concludes by presenting the recommendations for integrating blockchain technology into CPSs to enhance their security and resilience.