elderly

fall

IOT

wearable

IMU

sensor

machine learning

detect

最相關前20篇論文

apple watch

資料信賴度：測試者年齡、測試者數量

方式：IMU、vision、radar、sound、barometric、floor

IMU位置：主軀幹正確率較高

演算法：KNN、random forest、Naive Bayes、HMM、decision tree、neural network、Logistic regression、physical、SVM、QSVM、EBT、KFD

其他：及時應用、安全隱私、感測器融合、固定位置、擴展與靈活性、失智

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2. [Fall Detection and Prevention for the Elderly: A Review of Trends and Challenges](https://sciendo.com/article/10.21307/ijssis-2017-588)
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5. [Fall detection system for elderly people using IoT and Big Data](https://www.sciencedirect.com/science/article/pii/S1877050918304721)
6. [New Advances and Challenges of Fall Detection Systems: A Survey](https://www.mdpi.com/2076-3417/8/3/418)
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8. [Fall detection system for elderly people using IoT and ensemble machine learning algorithm](https://link.springer.com/article/10.1007/s00779-018-01196-8)
9. [Elderly Fall Detection Using Wearable Sensors: A Low Cost Highly Accurate Algorithm](https://ieeexplore.ieee.org/abstract/document/8603837)
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13. [**Barometric Pressure and Triaxial Accelerometry-Based Falls Event Detection**](https://ieeexplore.ieee.org/document/5559476)
14. [**HMM-Based Human Fall Detection and Prediction Method Using Tri-Axial Accelerometer**](https://ieeexplore.ieee.org/document/6450028)
15. [**Portable Preimpact Fall Detector With Inertial Sensors**](https://ieeexplore.ieee.org/document/4435088)
16. [**A Framework for Daily Activity Monitoring and Fall Detection Based on Surface Electromyography and Accelerometer Signals**](https://ieeexplore.ieee.org/document/6399498)
17. [**A Movement Decomposition and Machine Learning-Based Fall Detection System Using Wrist Wearable Device**](https://ieeexplore.ieee.org/document/8345625)
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23. [A Machine Learning Approach for Fall Detection and Daily Living Activity Recognition](https://ieeexplore.ieee.org/document/8672567)
24. [A Wearable Fall Detector for Elderly People Based on AHRS and Barometric Sensor](https://ieeexplore.ieee.org/document/7501460)
25. [Data set for fall events and daily activities from inertial sensors](https://dl.acm.org/doi/10.1145/2713168.2713198)
26. [**A survey on fall detection: Principles and approaches**](https://www.sciencedirect.com/science/article/pii/S0925231212003153?via%3Dihub)
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