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Artigos em Revistas Indexadas | Scopus e/ou WoS

Francisco, M., Ribeiro, F., Metrôlho, J., Dionísio, R. (2023). Algorithms and Models for Automatic Detection and Classification of Diseases and Pests in Agricultural Crops: A Systematic Review. *Applied Sciences*, 13(8), 4720. <https://doi.org/10.3390/app13084720>

Fonseca, L., Ribeiro, F., Metrôlho, J. (2023). Pressure-Based Posture Classification Methods and Algorithms: A Systematic Review. *Computers*, 12(5), 104. <https://doi.org/10.3390/computers12050104>

Amini, M. M., Devin, M. G. F., Alves, P., Sheikholeslami, D. F., Hariri, F., Dionísio, R., Faghihi, M., et al. (2023). A Novel Elastic Sensor Sheet for Pressure Injury Monitoring: Design, Integration, and Performance Analysis. *Electronics*, 12(17), 3655. <https://doi.org/10.3390/electronics12173655>

Fonseca, L., Ribeiro, F., Metrôlho, J., Santos, A., Dionísio, R., Amini, M. M., Silva, A. F., et al. (2023). PoPu-Data: A Multilayered, Simultaneously Collected Lying Position Dataset. *Data*, 8(7), 120. <https://doi.org/10.3390/data8070120>

Metrôlho, J., Ribeiro, F., Graça, P., Mourato, A., Figueiredo, D., Vilarinho, H. (2022). Aligning Software Engineering Teaching Strategies and Practices with Industrial Needs. *Computation*, 10(8), 129. <https://doi.org/10.3390/computation10080129>

Dionísio, R., Ribeiro, F., Metrôlho, J. (2022). Radio Interference of Wireless Networks and the Impact of AR/VR Applications in Industrial Environments. *Electronics*, 12(1), 67. <https://doi.org/10.3390/electronics12010067>

Fonseca, L., Ribeiro, F., Metrôlho, J. (2022). Lying-People Pressure-Map Datasets: A Systematic Review.

Data, 8(1), 12. <https://doi.org/10.3390/data8010012>

Silva, A., Metrôlho, J. C., Ribeiro, F., Fidalgo, F., Santos, O., Dionisio, R. (2022). A Review of Intelligent Sensor-Based Systems for Pressure Ulcer Prevention. *Computers*, 11(1), 6. <https://doi.org/10.3390/computers11010006>

Ribeiro, F., Fidalgo, F., Silva, A., Metrôlho, J. C., Santos, O., Dionisio, R. (2021). Literature Review of Machine-Learning Algorithms for Pressure Ulcer Prevention: Challenges and Opportunities. *Informatics*, 8(4), 76. <https://doi.org/10.3390/informatics8040076>

Ribeiro, F. R., Silva, A., Silva, A. P., Metrôlho, J. (2021). Literature review of location-based mobile games in education: Challenges, impacts and opportunities. *Informatics*, 8(3), 43. <https://doi.org/10.3390/informatics8030043>

Ponciano, V., Pires, I. M., Ribeiro, F. R., Garcia, N. M. (2020). Data acquisition of timed-up and go test with older adults: accelerometer, magnetometer, electrocardiography and electroencephalography sensors' data. *Data in Brief*, 32, 106306. <https://doi.org/10.1016/j.dib.2020.106306>

Ponciano, V., Pires, I.M., Ribeiro, F.R. et al. (2020). Sensors are Capable to Help in the Measurement of the Results of the Timed-Up and Go Test? A Systematic Review. *Journal of Medical Systems*, 44, 199. <https://doi.org/10.1007/s10916-020-01666-8>

Ponciano, V., Pires, I. M., Ribeiro, F. R., Marques, G., Garcia, N. M., Pombo, N., Spinsante, S., Zdravevski, E. (2020). Is The Timed-Up and Go Test Feasible in Mobile Devices? A Systematic Review. *Electronics*, 9(3), 528. <https://doi.org/10.3390/electronics9030528>

Ponciano, V., Pires, I., Ribeiro, F., Marques, G., Garcia, N. M., Zdravevski, E., Spinsante, S (2020). Identification of Diseases Based on the Use of Inertial Sensors: A Systematic Review. *Electronics*, 9(5), 778. <https://doi.org/10.3390/electronics9050778>

Ponciano, V., Pires, I. M., Ribeiro, F. R., Villasana, M. V., Crisóstomo, R., Teixeira, M. C., Zdravevski, E. (2020). Mobile Computing Technologies for Health and Mobility Assessment: Research Design and Results of the Timed Up and Go Test in Older Adults. *Sensors*, 20(12), 3481. <https://doi.org/10.3390/s20123481>

Ponciano, V., Pires, I. M., Ribeiro, F. R., Garcia, N. M., Villasana, M. V., Zdravevski, E., Lameski, P. (2020). Machine Learning Techniques with ECG and EEG Data: An Exploratory Study. *Computers*, 9(3), 55. <https://doi.org/10.3390/computers9030055>

Ponciano, V., Pires, I. M., Ribeiro, F. R., Villasana, M. V., Teixeira, M. C., Zdravevski, E. (2020). Experimental Study for Determining the Parameters Required for Detecting ECG and EEG Related

Diseases during the Timed-Up and Go Test. *Computers*, 9(3), 67.

<https://doi.org/10.3390/computers9030067>

Ribeiro, F. R., Silva, A., Barbosa, F., Silva, A. P., Metrôlho, J. C. (2018). Mobile applications for accessible tourism: overview, challenges and a proposed platform. *Information Technology and Tourism*, 19(1-4), 29-59.

Ribeiro, F. R., Silva, A., Metrôlho, J. C., Silva, A. P., Barbosa, F. S. (2018). A new framework for accessible tourism mobile application development. *International Journal of Mobile Computing and Multimedia Communications*, 9(2), 31-46. DOI: [10.4018/IJMCMC.2018040103](https://doi.org/10.4018/IJMCMC.2018040103)

#### Artigos em Revistas

Metrôlho, J., Ribeiro, F., Batista, R., Graça, P., Pacheco, D. (2023). Preparing students for the software industry new demands. *International Journal on Advances in Software*, 16(1-2), 71-81.

Chappara, M., Ribeiro, F., & Metrôlho, J. (2023). Underage citizens monitoring applications - A review of the state of the art and guidelines for future implementations. *International Journal of Engineering Science Technologies*, 7(4), 1-18. <https://doi.org/10.29121/ijoeest.v7.i4.2023.524>

Metrôlho, J., Ribeiro, F. (2019). Holistic analysis of the effectiveness of a software engineering teaching approach. *International Journal on Advances in Software*, 12(1-2), 46-55.

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