

# Paulo Abreu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3710225/publications.pdf>

Version: 2024-02-01

48  
papers

166  
citations

1683354

5  
h-index

1473754

9  
g-index

48  
all docs

48  
docs citations

48  
times ranked

183  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | A Gamified Approach for Hand Rehabilitation Device. International Journal of Online Engineering, 2018, 14, 179.   | 0.5 | 20        |
| 2  | Biomedical musculoskeletal applications of infrared thermal imaging on arm and forearm: A systematic review. Journal of Thermal Biology, 2019, 82, 164-177.   | 1.1 | 16        |
| 3  | Robotics virtual lab based on off-line robot programming software. , 2013, , .  |     | 12        |
| 4  | Analysis and implementation of a force control strategy for drilling operations with an industrial robot. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 4749-4756. | 0.8 | 10        |
| 5  | Virtual environment for instrumented glove. , 2016, , .   |     | 9         |
| 6  | Educational Robotics for All: Gender, Diversity, and Inclusion in STEAM. , 2020, , .  |     | 9         |
| 7  | Data Acquisition Glove for Hand Movement Impairment Rehabilitation. International Journal of Online Engineering, 2016, 12, 52.  | 0.5 | 7         |
| 8  | NSensor “ Wireless Sensor Network for Environmental Monitoring. International Journal of Interactive Mobile Technologies, 2017, 11, 25.   | 0.7 | 6         |
| 9  | On the use of a 3D printer in mechatronics projects. , 2014, , .  |     | 5         |
| 10 | Hysteresis Compensation in a Tactile Device for Arterial Pulse Reproduction. Sensors, 2018, 18, 1631.   | 2.1 | 5         |
| 11 | Comparing classification techniques for identification of grasped objects. BioMedical Engineering OnLine, 2019, 18, 21.   | 1.3 | 5         |
| 12 | The Role of an Experimental Laboratory in Engineering Education. Advances in Intelligent Systems and Computing, 2019, , 644-652.  | 0.5 | 5         |
| 13 | Fiber Bragg grating sensor based on cantilever structure embedded in polymer 3D printed material. Proceedings of SPIE, 2017, , .  | 0.8 | 4         |
| 14 | Adding augmented reality to laboratory experimentation. , 2017, , .   |     | 4         |
| 15 | An Attempt to Identify Meaningful Descriptors of Handgrip Strength Using a Novel Prototype: Preliminary Study. Information (Switzerland), 2020, 11, 546.  | 1.7 | 4         |
| 16 | Virtual experiment for teaching robot programming. , 2014, , .  |     | 3         |
| 17 | Instrumented glove for rehabilitation exercises. , 2015, , .  |     | 3         |
| 18 | Experiments with a Virtual Lab for Industrial Robots Programming. International Journal of Online and Biomedical Engineering, 2015, 11, 10.   | 0.9 | 3         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | A tool for grip evaluation and learning. , 2016, , .  |     | 3         |
| 20 | Enhancing a 3D Printer with Online Access. International Journal of Interactive Mobile Technologies, 2017, 11, 44.                              | 0.7 | 3         |
| 21 | Screening System for Cardiac Problems through Non-Invasive Identification of Blood Pressure Waveform. Information (Switzerland), 2020, 11, 150. | 1.7 | 3         |
| 22 | Monitoring system for cold storages. , 2015, , .  |     | 2         |
| 23 | Wireless control and network management of door locks. , 2015, , .  |     | 2         |
| 24 | Device for hand rehabilitation in online collaborative environment. , 2017, , .   |     | 2         |
| 25 | Reliability of Forearm Skin Thermal Assessment During Handgrip Exercise. Studies in Systems, Decision and Control, 2019, , 447-455.             | 0.8 | 2         |
| 26 | Remote experiments with pneumatic circuit using a double rod cylinder. , 2019, , .  |     | 2         |
| 27 | Handgrip Strength Time Profile and Frailty: An Exploratory Study. Applied Sciences (Switzerland), 2021, 11, 5134.                               | 1.3 | 2         |
| 28 | Analysis and pattern identification on smart sensors data. , 2017, , .  |     | 2         |
| 29 | Design and Test of a 1 DOF Haptic Device for Online Experimentation. International Journal of Online Engineering, 2016, 12, 55.                 | 0.5 | 2         |
| 30 | Modular System for Cold Storage Monitoring. International Journal of Online Engineering, 2016, 12, 46.  | 0.5 | 1         |
| 31 | An online collaborative environment for rehabilitation using instrumented devices. , 2017, , .  |     | 1         |
| 32 | Hand rehabilitation and haptic surfaces: a tentative prototype. IFAC-PapersOnLine, 2019, 52, 427-433.   | 0.5 | 1         |
| 33 | Blood Pressure Measurement. , 2019, , .   |     | 1         |
| 34 | Serious Game for reading and spelling skills. , 2019, , .   |     | 1         |
| 35 | Carnival Play. Advances in Medical Technologies and Clinical Practice Book Series, 2021, , 206-242.   | 0.3 | 1         |
| 36 | Gender and STEAM as part of the MOOC STEAM4ALL. , 2021, , .   |     | 1         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Impact of Biofeedback in the Motor Rehabilitation of Patients with Acquired Brain Injury. Lecture Notes in Networks and Systems, 2022, , 408-414.                    | 0.5 | 1         |
| 38 | Handgrip Evaluation: Endurance and Handedness Dominance. Lecture Notes in Networks and Systems, 2019, , 507-516.   | 0.5 | 1         |
| 39 | Strength and Skin Temperature Assessment: Comparing Active and Geriatric Populations. International Journal of Engineering and Applied Sciences (IJEAS), 2019, 6, .  | 0.1 | 1         |
| 40 | Pneumatic Driven Device for Integration into Robotic Finishing Applications. Communications in Computer and Information Science, 2013, , 49-56.                      | 0.4 | 1         |
| 41 | 1 DOF haptic device for online experimentation. , 2015, , .  |     | 0         |
| 42 | Embedded Fabry-Perot based sensor using three-dimensional printing technology. , 2017, , .   |     | 0         |
| 43 | VENTI: Experimental controller for inline duct fan. , 2017, , .  |     | 0         |
| 44 | An Instrumented Glove for Control Audiovisual Elements in Performing Arts. International Journal of Online Engineering, 2018, 14, 173.                               | 0.5 | 0         |
| 45 | Child Friendly App for Spelling Training. International Journal of Online and Biomedical Engineering, 2020, 16, 82.  | 0.9 | 0         |
| 46 | Cloud-Based Data Storage System for eHealth Smart Devices. Lecture Notes in Networks and Systems, 2022, , 400-407.   | 0.5 | 0         |
| 47 | ROBOTIC SYSTEM WITH FORCE CONTROL FOR DRILLING OPERATIONS. , 0, , .  |     | 0         |
| 48 | Demonstration: Online Detection of Abnormalities in Blood Pressure Waveform: Bisfiriens and Alternans Pulse. Lecture Notes in Networks and Systems, 2019, , 536-545. | 0.5 | 0         |