

# Yassine Bouteraa

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

613  
citations

687335

13  
h-index

677123

22  
g-index

60  
all docs

60  
docs citations

60  
times ranked

466  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | DESIGN AND DEVELOPMENT OF 3D PRINTED MYOELECTRIC ROBOTIC EXOSKELETON FOR HAND REHABILITATION. International Journal on Smart Sensing and Intelligent Systems, 2017, 10, 1-26.           | 0.7 | 103       |
| 2  | Training of Hand Rehabilitation Using Low Cost Exoskeleton and Vision-Based Game Interface. Journal of Intelligent and Robotic Systems: Theory and Applications, 2019, 96, 31-47.       | 3.4 | 50        |
| 3  | Power System Reconfiguration in Distribution Network for Improving Reliability Using Genetic Algorithm and Particle Swarm Optimization. Applied Sciences (Switzerland), 2021, 11, 3092. | 2.5 | 38        |
| 4  | A gesture-based telemanipulation control for a robotic arm with biofeedback-based grasp. Industrial Robot, 2017, 44, 575-587.   | 2.1 | 26        |
| 5  | Design and control of an exoskeleton robot with EMG-driven electrical stimulation for upper limb rehabilitation. Industrial Robot, 2020, 47, 489-501.                                   | 2.1 | 26        |
| 6  | Design and Development of an Upper Limb Rehabilitative Robot with Dual Functionality. Micromachines, 2021, 12, 870.   | 2.9 | 25        |
| 7  | Blockchain in internet of things: a necessity framework for security, reliability, transparency, immutability and liability. IET Communications, 2019, 13, 3187-3192.                   | 2.2 | 22        |
| 8  | Task-space region-reaching control for medical robot manipulator. Computers and Electrical Engineering, 2018, 67, 629-645.  | 4.8 | 19        |
| 9  | Kinect-Based Sliding Mode Control for Lynxmotion Robotic Arm. Advances in Human-Computer Interaction, 2016, 2016, 1-10.   | 2.8 | 18        |
| 10 | Distributed Synchronization Control to Trajectory Tracking of Multiple Robot Manipulators. Journal of Robotics, 2011, 2011, 1-10.   | 0.9 | 17        |
| 11 | A Fuzzy Logic Architecture for Rehabilitation Robotic Systems. International Journal of Computers, Communications and Control, 2020, 15, .  | 1.8 | 16        |
| 12 | Optimized Fuzzy Enhanced Robust Control Design for a Stewart Parallel Robot. Mathematics, 2022, 10, 1917.   | 2.2 | 16        |
| 13 | Synchronization control of multiple robots manipulators. , 2009, , .  |     | 15        |
| 14 | Design and Development of a Wearable Assistive Device Integrating a Fuzzy Decision Support System for Blind and Visually Impaired People. Micromachines, 2021, 12, 1082.                | 2.9 | 15        |
| 15 | Exoskeleton robots for upper-limb rehabilitation. , 2016, , .   |     | 13        |
| 16 | Development of an IoT-Based Solution Incorporating Biofeedback and Fuzzy Logic Control for Elbow Rehabilitation. Applied Sciences (Switzerland), 2020, 10, 7793.                        | 2.5 | 12        |
| 17 | IoT-Inspired Framework of Intruder Detection for Smart Home Security Systems. Electronics (Switzerland), 2020, 9, 1361.   | 3.1 | 11        |
| 18 | Smart solution for pain detection in remote rehabilitation. AEJ - Alexandria Engineering Journal, 2021, 60, 3485-3500.  | 6.4 | 10        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Design and Development of a Smart IoT-Based Robotic Solution for Wrist Rehabilitation. <i>Micromachines</i> , 2022, 13, 973.   | 2.9 | 10        |
| 20 | DESIGN OF SMART ROBOT FOR WRIST REHABILITATION. <i>International Journal on Smart Sensing and Intelligent Systems</i> , 2016, 9, 1029-1053.  | 0.7 | 9         |
| 21 | Kinect-based Computed Torque Control for lynxmotion robotic arm. , 2015, , .   |     | 8         |
| 22 | ANFIS-Inspired Smart Framework for Education Quality Assessment. <i>IEEE Access</i> , 2020, 8, 175306-175318.  | 4.2 | 8         |
| 23 | Adaptive Sliding Mode Control Design of a SCARA Robot Manipulator System Under Parametric Variations. <i>Journal of Engineering Science and Technology Review</i> , 2015, 8, 117-123.  | 0.4 | 8         |
| 24 | Non-linear adaptive synchronisation control of multi-agent robotic systems. <i>International Journal of Systems, Control and Communications</i> , 2012, 4, 55.   | 0.3 | 7         |
| 25 | Nonlinear PID and feedforward control of robotic manipulators. , 2014, , .   |     | 7         |
| 26 | Second Order Sliding Mode Based Synchronization Control for Cooperative Robot Manipulators. <i>Studies in Computational Intelligence</i> , 2016, , 669-683.  | 0.9 | 7         |
| 27 | Securing IoT-Empowered Fog Computing Systems: Machine Learning Perspective. <i>Mathematics</i> , 2022, 10, 1298.   | 2.2 | 7         |
| 28 | A Type-3 Fuzzy Approach for Stabilization and Synchronization of Chaotic Systems: Applicable for Financial and Physical Chaotic Systems. <i>Complexity</i> , 2022, 2022, 1-17.   | 1.6 | 7         |
| 29 | Adaptive synchronization control of multi-robot teams: Cooperative and coordinated schemes. , 2010, , .  |     | 6         |
| 30 | Distributed sliding mode control of cooperative robotic manipulators. , 2013, , .  |     | 6         |
| 31 | Web-based robot control for wrist telerehabilitation. , 2016, , .  |     | 6         |
| 32 | Control energy comparison between 1st and 2nd order sliding mode approach with application to a SCARA robot. , 2016, , .   |     | 6         |
| 33 | Estimated Model-Based Sliding Mode Controller for an Active Exoskeleton Robot. <i>Studies in Systems, Decision and Control</i> , 2017, , 175-189.  | 1.0 | 6         |
| 34 | Fuzzy logic-based connected robot for home rehabilitation. <i>Journal of Intelligent and Fuzzy Systems</i> , 2021, 40, 4835-4850.  | 1.4 | 6         |
| 35 | Adaptive finite-time command-filtered backstepping sliding mode control for stabilization of a disturbed rotary-inverted-pendulum with experimental validation. <i>JVC/Journal of Vibration and Control</i> , 2023, 29, 1431-1446. | 2.6 | 6         |
| 36 | Nonlinear Control and Synchronization with Time Delays of Multiagent Robotic Systems. <i>Journal of Control Science and Engineering</i> , 2011, 2011, 1-9.   | 1.0 | 5         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Adaptive multi-robots synchronization. , 2010, , .   |     | 3         |
| 38 | Mutual and external synchronization control of multi-robot systems. , 2010, , .  |     | 3         |
| 39 | Distributed control and speed sensorless for the synchronisation of multi-robot systems. Automatic Control and Computer Sciences, 2016, 50, 306-317.   | 0.8 | 3         |
| 40 | Modelling and fixed order robust H $\infty$ control of aerial vehicle: simulation and experimental results. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2016, 35, . | 0.9 | 3         |
| 41 | Distributed second order sliding mode control for networked robots synchronisation: theory and experimental results. International Journal of Modelling, Identification and Control, 2018, 29, 90.                                   | 0.2 | 3         |
| 42 | Gesture control of 3DoF robotic arm teleoperated by Kinect sensor. , 2019, , .   |     | 3         |
| 43 | Disturbance Observer-Based Tracking Controller for Uncertain Marine Surface Vessel. Actuators, 2022, 11, 128.  | 2.3 | 3         |
| 44 | Coordinated backstepping control of multiple robot system of the leader-follower structure. , 2011, , .  |     | 2         |
| 45 | Trirotor mechatronic design and reduction of dynamic model inputs by aerodynamic forces identification. International Journal of Modelling, Identification and Control, 2017, 27, 14.  | 0.2 | 2         |
| 46 | An Adaptive Second Order Sliding Mode Inverse Kinematics Approach for Serial Kinematic Chain Robot Manipulators. Robotics, 2020, 9, 4.   | 3.5 | 2         |
| 47 | Compact Bit-Parallel Systolic Multiplier Over GF(2 <sup>m</sup> ). Canadian Journal of Electrical and Computer Engineering, 2021, 44, 199-205.   | 2.0 | 2         |
| 48 | Kinematics and a Comparison Between Two SM Control Strategies for a 5DOF Serial Robot for Tele-Echography. Studies in Systems, Decision and Control, 2017, , 157-174.  | 1.0 | 2         |
| 49 | Mechatronic Design of a Biofeedback Based-Hand Exoskeleton for Physical Rehabilitation. , 2018, , .  |     | 1         |
| 50 | Efficient parallel semi-systolic array structure for multiplication and squaring in GF(2 <sup>m</sup> ). IEICE Electronics Express, 2019, 16, 20190268-20190268.   | 0.8 | 1         |
| 51 | Trirotor mechatronic design and reduction of dynamic model inputs by aerodynamic forces identification. International Journal of Modelling, Identification and Control, 2017, 27, 14.  | 0.2 | 1         |
| 52 | Distributed second order sliding mode control for networked robots synchronisation: theory and experimental results. International Journal of Modelling, Identification and Control, 2018, 29, 90.                                   | 0.2 | 1         |
| 53 | Development of IoT-based robot for wrist rehabilitation. , 2020, , .   |     | 1         |
| 54 | DEVELOPMENT OF AN INDUSTRIAL NETWORK TO CONTROL FROM AFAR: THE PREMATURE INFANT INCUBATOR'S STATES. Biomedical Engineering - Applications, Basis and Communications, 2008, 20, 191-196.  | 0.6 | 0         |

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|----|---|-----|-----------|
| 55 | Tire fault correction using fuzzy logic controller. , 2013, , .   |     | 0         |
| 56 | Real time fixed order robust H $\infty$ orientation control for 3-DOF helicopter. , 2015, , .   |     | 0         |
| 57 | Robot-assisted remote rehabilitation. , 2019, , .   |     | 0         |
| 58 | Development of an IoT-Based System for Training in Cardiopulmonary Resuscitation. Smart Sensors, Measurement and Instrumentation, 2021, , 111-124.                                    | 0.6 | 0         |
| 59 | Autonomous mobile robot navigation based on an integrated environment representation designed in dynamic environments. International Journal of Automation and Control, 2017, 11, 35. | 0.5 | 0         |
| 60 | Low-Space Bit-Parallel Systolic Structure for AOP-Based Multiplier Suitable for Resource-Constrained IoT Edge Devices. Mathematics, 2022, 10, 815.                                    | 2.2 | 0         |