JoaquÃ-n L Sancho-Bru

List of Publications by Year
in descending order

20 papers	344 citations	759233 12 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	304 citing authors

#	Article	IF	Citations
1	Hand kinematics in osteoarthritis patients while performing functional activities. Disability and Rehabilitation, 2023, 45, 1124-1130.	1.8	6
2	Problems Using Data Gloves with Strain Gauges to Measure Distal Interphalangeal Jointsâ€™ Kinematics. Sensors, 2022, 22, 3757.	3.8	5
3	Synergy-Based Sensor Reduction for Recording the Whole Hand Kinematics. Sensors, 2021, 21, 1049.	3.8	4
4	Estimation of the Abduction/Adduction Movement of the Metacarpophalangeal Joint of the Thumb. Applied Sciences (Switzerland), 2021, 11, 3158.	2.5	3
5	Effect on manual skills of wearing instrumented gloves during manipulation. Journal of Biomechanics, 2020, 98, 109512.	2.1	17
6	Biomechanical function requirements of the wrist. Circumduction versus flexion/abduction range of motion. Journal of Biomechanics, 2020, 110, 109975.	2.1	1
7	Sharing of hand kinematic synergies across subjects in daily living activities. Scientific Reports, 2020, 10, 6116.	3.3	13
8	Human hand kinematic data during feeding and cooking tasks. Scientific Data, 2019, 6, 167.	5.3	18
9	A calibrated database of kinematics and EMG of the forearm and hand during activities of daily living. Scientific Data, 2019, 6, 270.	5.3	35
10	Effect on hand kinematics when using assistive devices during activities of daily living. PeerJ, 2019, 7, e7806.	2.0	4
11	Relevance of grasp types to assess functionality for personal autonomy. Journal of Hand Therapy, 2018, 31, 102-110.	1.5	13
12	Functional range of motion of the hand joints in activities of the International Classification of Functioning, Disability and Health. Journal of Hand Therapy, 2017, 30, 337-347.	1.5	39
13	Across-subject calibration of an instrumented glove to measure hand movement for clinical purposes. Computer Methods in Biomechanics and Biomedical Engineering, 2017, 20, 587-597.	1.6	25
14	Validity of a simple videogrammetric method to measure the movement of all hand segments for clinical purposes. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2014, 228, 182-189.	1.8	17
15	Grasp modelling with a biomechanical model of the hand. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 297-310.	1.6	22
16	Hand Posture Prediction Using Neural Networks within a Biomechanical Model. International Journal of Advanced Robotic Systems, 2012, 9, 139.	2.1	7
17	Evaluation of Human Prehension Using Grasp Quality Measures. International Journal of Advanced Robotic Systems, 2012, 9, 112.	2.1	22
18	Scalability of the Muscular Action in a Parametric 3D Model of the Index Finger. Annals of Biomedical Engineering, 2008, 36, 102-107.	2.5	14

#	ARTICLE	IF	CITATIONS
19	A 3D Biomechanical Model of the Hand for Power Grip. Journal of Biomechanical Engineering, 2003, 125, 78-83.	1.3	72
20	Description and Validation of a Non-Invasive Technique to Measure the Posture of All Hand Segments. Journal of Biomechanical Engineering, 2003, 125, 917-922.	1.3	7