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	A 3D Biomechanical Model of the Hand for Power Grip. Journal of Biomechanical Engineering, 2003, 125, 78-83.	1.3	72
2	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
3	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
4	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
5	Evaluation of Human Prehension Using Grasp Quality Measures. International Journal of Advanced Robotic Systems, 2012, 9, 112.	2.1	22
6	Grasp modelling with a biomechanical model of the hand. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 297-310.	1.6	22
7	Human hand kinematic data during feeding and cooking tasks. Scientific Data, 2019, 6, 167.	5.3	18
8	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
9	Effect on manual skills of wearing instrumented gloves during manipulation. Journal of Biomechanics, 2020, 98, 109512.	2.1	17
10	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
11	Relevance of grasp types to assess functionality for personal autonomy. Journal of Hand Therapy, 2018, 31, 102-110.	1.5	13
12	Sharing of hand kinematic synergies across subjects in daily living activities. Scientific Reports, 2020, 10, 6116.	3.3	13
13	Hand Posture Prediction Using Neural Networks within a Biomechanical Model. International Journal of Advanced Robotic Systems, 2012, 9, 139.	2.1	7
14	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
15	Hand kinematics in osteoarthritis patients while performing functional activities. Disability and Rehabilitation, 2023, 45, 1124-1130.	1.8	6
16	Problems Using Data Gloves with Strain Gauges to Measure Distal Interphalangeal Jointsâ€™ Kinematics. Sensors, 2022, 22, 3757.	3.8	5
17	Synergy-Based Sensor Reduction for Recording the Whole Hand Kinematics. Sensors, 2021, 21, 1049.	3.8	4
18	Effect on hand kinematics when using assistive devices during activities of daily living. PeerJ, 2019, 7, e7806.	2.0	4

#	ARTICLE	IF	CITATIONS
19	Estimation of the Abduction/Adduction Movement of the Metacarpophalangeal Joint of the Thumb. Applied Sciences (Switzerland), 2021, 11, 3158.	2.5	3
20	Biomechanical function requirements of the wrist. Circumduction versus flexion/abduction range of motion. Journal of Biomechanics, 2020, 110, 109975.	2.1	1