

Esteban Peñ̃a-Pitarch

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/472118/publications.pdf>

Version: 2024-02-01

30
papers

283
citations

1307594

7
h-index

996975

15
g-index

30
all docs

30
docs citations

30
times ranked

263
citing authors

#	ARTICLE	IF	CITATIONS
1	A multi-fingered hand prosthesis. Mechanism and Machine Theory, 2004, 39, 555-581.	4.5	68
2	Synthesis and analysis of a flexible elephant trunk robot. Advanced Robotics, 2006, 20, 631-659.	1.8	38
3	Virtual human hand: model and kinematics. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 568-579.	1.6	30
4	Posture Prediction and Force/Torque Analysis for Human Hands. , 0, , .		22
5	SANTOS, C Hand: A 25 Degree-of-Freedom Model. , 2005, , .		20
6	Intra-rater reliability and diagnostic accuracy of a new vaginal dynamometer to measure pelvic floor muscle strength in women with urinary incontinence. Neurourology and Urodynamics, 2017, 36, 333-337.	1.5	14
7	An Improved High-Pressure Roll Crusher Model for Tungsten and Tantalum Ores. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overloc	2.0	14
8	Breakage Function for HPGR: Mineral and Mechanical Characterization of Tantalum and Tungsten Ores. Minerals (Basel, Switzerland), 2018, 8, 170.	2.0	14
9	A Light Weight Compliant Hand Mechanism With High Degrees of Freedom. Journal of Biomechanical Engineering, 2005, 127, 934-945.	1.3	11
10	Reliability and Diagnostic Accuracy of a New Vaginal Dynamometer to Measure Pelvic Floor Muscle Strength. Female Pelvic Medicine and Reconstructive Surgery, 2020, 26, 514-519.	1.1	7
11	Optimal Trajectory Planning for Redundant Manipulators Based on Minimum Jerk. , 2008, , .		6
12	Effect of human link length determination on posture reconstruction. Applied Ergonomics, 2013, 44, 93-100.	3.1	6
13	Quantitative Assessment of Hand Function in Healthy Subjects and Post-Stroke Patients with the Action Research Arm Test. Sensors, 2022, 22, 3604.	3.8	6
14	PREFACE: "A SPECIAL SELECTION ON BIOLOGICAL APPLICATIONS OF MECHANICS" PART I. Journal of Mechanics in Medicine and Biology, 2018, 18, 1802001.	0.7	5
15	Virtual Human Hand: Grasping and Simulation. Lecture Notes in Computer Science, 2009, , 140-149.	1.3	4
16	Driving device for a hand movement without external force. Mechanism and Machine Theory, 2016, 105, 388-396.	4.5	3
17	Virtual Human Hand: Grasps and Fingertip Deformation. Advances in Intelligent Systems and Computing, 2020, , 484-492.	0.6	3
18	Nonlinear inverse optimization approach for determining the weights of objective function in standing reach tasks. Computers and Industrial Engineering, 2012, 63, 791-801.	6.3	2

#	ARTICLE	IF	CITATIONS
19	PREFACE " A SPECIAL SELECTION ON BIOLOGICAL APPLICATIONS OF MECHANICS - PART II. Journal of Mechanics in Medicine and Biology, 2018, 18, 1802002.	0.7	2
20	Introductory Analysis of Human Upper Extremity After Stroke. International Journal of Privacy and Health Information Management, 2019, 7, 45-60.	0.2	2
21	Hand Motion Analysis during the Execution of the Action Research Arm Test Using Multiple Sensors. Sensors, 2022, 22, 3276.	3.8	2
22	Joystick Ergonomic Study in Material Handling Using Virtual Humans. , 2005, , 1415.		1
23	PREFACE: A SPECIAL SELECTION ON BIOMECHANICS IN MEDICAL APPLICATIONS-PART II. Journal of Mechanics in Medicine and Biology, 2019, 19, 1902004.	0.7	1
24	PREFACE: A SPECIAL SELECTION ON MECHANICAL ENGINEERING APPLIED TO BIOMEDICINE " PART II. Journal of Mechanics in Medicine and Biology, 2020, 20, 2002002.	0.7	1
25	PREFACE: A SPECIAL SELECTION ON MECHANICAL ENGINEERING APPLIED TO BIOMEDICINE " PART I. Journal of Mechanics in Medicine and Biology, 2020, 20, 2002001.	0.7	1
26	Tools to design new devices for rehabilitation or robotics. , 2011, , .		0
27	Numerical Model for a Nineteenth-Century Hydrometric Module. Journal of Irrigation and Drainage Engineering - ASCE, 2019, 145, 05019008.	1.0	0
28	PREFACE: A SPECIAL SELECTION ON BIOMECHANICS IN MEDICAL APPLICATION - PART I. Journal of Mechanics in Medicine and Biology, 2019, 19, 1902003.	0.7	0
29	Introductory Analysis of Human Upper Extremity After Stroke. , 2021, , 828-844.		0
30	Estudio del comportamiento termo-mecánico de un acero microaleado de medio carbono durante un proceso de conformado en caliente usando una red neuronal artificial. Revista De Metalurgia, 2016, 52, e066.	0.5	0