

Hermano I Krebs

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6853591/publications.pdf>

Version: 2024-02-01

32
papers

3,133
citations

623734

14
h-index

713466

21
g-index

34
all docs

34
docs citations

34
times ranked

2699
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of an Optical Sensor Capable of Measuring Distance, Tilt, and Contact Force. IEEE Transactions on Industrial Electronics, 2022, 69, 4938-4945.	7.9	5
2	Evaluation of the enhanced upper limb therapy programme within the Robot-Assisted Training for the Upper Limb after Stroke trial: descriptive analysis of intervention fidelity, goal selection and goal achievement. Clinical Rehabilitation, 2021, 35, 119-134.	2.2	10
3	Accurate prediction of clinical stroke scales and improved biomarkers of motor impairment from robotic measurements. PLoS ONE, 2021, 16, e0245874.	2.5	13
4	Sleep deprivation affects gait control. Scientific Reports, 2021, 11, 21104.	3.3	10
5	Robotic Kinematic measures of the arm in chronic Stroke: part 1 " Motor Recovery patterns from tDCS preceding intensive training. Bioelectronic Medicine, 2021, 7, 20.	2.3	5
6	Robotic Kinematic measures of the arm in chronic Stroke: part 2 " strong correlation with clinical outcome measures. Bioelectronic Medicine, 2021, 7, 21.	2.3	5
7	Adaptive Gait Phase Segmentation Based on the Time-Varying Identification of the Ankle Dynamics: Technique and Simulation Results. , 2020, , .		0
8	Human-Robot Interaction: Kinematic and Kinetic Data Analysis Framework. , 2020, , .		3
9	Hybrid Simulated Annealing and Genetic Algorithm for Optimization of a Rule-based Algorithm for Detection of Gait Events in Impaired Subjects. , 2020, , .		1
10	Robot-assisted training compared with an enhanced upper limb therapy programme and with usual care for upper limb functional limitation after stroke: the RATULS three-group RCT. Health Technology Assessment, 2020, 24, 1-232.	2.8	16
11	Robot-Assisted Arm Training in Chronic Stroke: Addition of Transition-to-Task Practice. Neurorehabilitation and Neural Repair, 2019, 33, 751-761.	2.9	33
12	Robot assisted training for the upper limb after stroke (RATULS): a multicentre randomised controlled trial. Lancet, The, 2019, 394, 51-62.	13.7	278
13	Clinical improvement with intensive robot-assisted arm training in chronic stroke is unchanged by supplementary tDCS. Restorative Neurology and Neuroscience, 2019, 37, 167-180.	0.7	38
14	The Impact of Aging and Hand Dominance on the Passive Wrist Stiffness of Squash Players: Pilot Study. JMIR Biomedical Engineering, 2019, 4, e11670.	1.2	1
15	Task-specific ankle robotics gait training after stroke: a randomized pilot study. Journal of NeuroEngineering and Rehabilitation, 2016, 13, 51.	4.6	37
16	Assist-as-needed ankle rehabilitation based on adaptive impedance control. , 2015, , .		28
17	Ankle robotics training with concurrent physiological monitoring in multiple sclerosis: A case report. , 2014, , .		1
18	Facilitating push-off propulsion: A biomechanical model of ankle robotics assistance for plantarflexion gait training in stroke. , 2014, , .		7

#	ARTICLE	IF	CITATIONS
19	Knowledge discovery, rehabilitation robotics, and serious games: Examining training data. , 2014, , .		3
20	Robotic Measurement of Arm Movements After Stroke Establishes Biomarkers of Motor Recovery. Stroke, 2014, 45, 200-204.	2.0	132
21	Anklebot-assisted locomotor training after stroke: A novel deficit-adjusted control approach. , 2013, , .		25
22	Rehabilitation robotics: An academic engineer perspective. , 2011, 2011, 6709-12.		6
23	Pediatric anklebot. , 2011, 2011, 5975410.		29
24	An Economic Analysis of Robot-Assisted Therapy for Long-Term Upper-Limb Impairment After Stroke. Stroke, 2011, 42, 2630-2632.	2.0	139
25	Robot-Assisted Therapy for Long-Term Upper-Limb Impairment after Stroke. New England Journal of Medicine, 2010, 362, 1772-1783.	27.0	1,175
26	Robot-assisted task-specific training in cerebral palsy. Developmental Medicine and Child Neurology, 2009, 51, 140-145.	2.1	57
27	A paradigm shift for rehabilitation robotics. IEEE Engineering in Medicine and Biology Magazine, 2008, 27, 61-70.	0.8	123
28	Intensive Sensorimotor Arm Training Mediated by Therapist or Robot Improves Hemiparesis in Patients With Chronic Stroke. Neurorehabilitation and Neural Repair, 2008, 22, 305-310.	2.9	222
29	Measurement of Human Ankle Stiffness Using the Anklebot. , 2007, , .		46
30	Response to upper-limb robotics and functional neuromuscular. Journal of Rehabilitation Research and Development, 2005, 42, 723.	1.6	149
31	Effects of robotic therapy on motor impairment and recovery in chronic stroke. Archives of Physical Medicine and Rehabilitation, 2003, 84, 477-482.	0.9	442
32	Robot-aided functional imaging: Application to a motor learning study. Human Brain Mapping, 1998, 6, 59-72.	3.6	94