Hermano I Krebs

List of Publications by Year
in descending order

32	3,133	623734	713466
papers	citations	14 h-index	21 g-index

34	34	34	2699
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Robot-Assisted Therapy for Long-Term Upper-Limb Impairment after Stroke. New England Journal of Medicine, 2010, 362, 1772-1783.	27.0	1,175
2	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
3	Robot assisted training for the upper limb after stroke (RATULS): a multicentre randomised controlled trial. Lancet, The, 2019, 394, 51-62.	13.7	278
4	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
5	Response to upper-limb robotics and functional neuromuscular. Journal of Rehabilitation Research and Development, 2005, 42, 723.	1.6	149
6	An Economic Analysis of Robot-Assisted Therapy for Long-Term Upper-Limb Impairment After Stroke. Stroke, 2011, 42, 2630-2632.	2.0	139
7	Robotic Measurement of Arm Movements After Stroke Establishes Biomarkers of Motor Recovery. Stroke, 2014, 45, 200-204.	2.0	132
8	A paradigm shift for rehabilitation robotics. IEEE Engineering in Medicine and Biology Magazine, 2008, 27, 61-70.	0.8	123
9	Robot-aided functional imaging: Application to a motor learning study. Human Brain Mapping, 1998, 6, 59-72.	3.6	94
10	Robotâ€assisted taskâ€specific training in cerebral palsy. Developmental Medicine and Child Neurology, 2009, 51, 140-145.	2.1	57
11	Measurement of Human Ankle Stiffness Using the Anklebot. , 2007, , .		46
12	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
13	Task-specific ankle robotics gait training after stroke: a randomized pilot study. Journal of NeuroEngineering and Rehabilitation, 2016, 13, 51.	4.6	37
14	Robot-Assisted Arm Training in Chronic Stroke: Addition of Transition-to-Task Practice. Neurorehabilitation and Neural Repair, 2019, 33, 751-761.	2.9	33
15	Pediatric anklebot. , 2011, 2011, 5975410.		29
16	Assist-as-needed ankle rehabilitation based on adaptive impedance control. , 2015, , .		28
17	Anklebot-assisted locomotor training after stroke: A novel deficit-adjusted control approach. , 2013, , .		25
18	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

#	Article	IF	Citations
19	Accurate prediction of clinical stroke scales and improved biomarkers of motor impairment from robotic measurements. PLoS ONE, 2021, 16, e0245874.	2.5	13
20	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
21	Sleep deprivation affects gait control. Scientific Reports, 2021, 11, 21104.	3.3	10
22	Facilitating push-off propulsion: A biomechanical model of ankle robotics assistance for plantarflexion gait training in stroke. , 2014, , .		7
23	Rehabilitation robotics: An academic engineer perspective. , 2011, 2011, 6709-12.		6
24	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
25	Robotic Kinematic measures of the arm in chronic Stroke: part 1 â€“ Motor Recovery patterns from tDCS preceding intensive training. Bioelectronic Medicine, 2021, 7, 20.	2.3	5
26	Robotic Kinematic measures of the arm in chronic Stroke: part 2 â€“ strong correlation with clinical outcome measures. Bioelectronic Medicine, 2021, 7, 21.	2.3	5
27	Knowledge discovery, rehabilitation robotics, and serious games: Examining training data. , 2014, , .		3
28	Human-Robot Interaction: Kinematic and Kinetic Data Analysis Framework. , 2020, , .		3
29	Ankle robotics training with concurrent physiological monitoring in multiple sclerosis: A case report. , 2014, , .		1
30	Hybrid Simulated Annealing and Genetic Algorithm for Optimization of a Rule-based Algorithm for Detection of Gait Events in Impaired Subjects. , 2020, , .		1
31	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
32	Adaptive Gait Phase Segmentation Based on the Time-Varying Identification of the Ankle Dynamics: Technique and Simulation Results. , 2020, , .		0