

Hideki Kadone

List of Publications by Year in descending order

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61
papers

752
citations

566801

15
h-index

642321

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all docs

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docs citations

64
times ranked

511
citing authors

#	ARTICLE	IF	CITATIONS
1	Lateral Symmetry of Synergies in Lower Limb Muscles of Acute Post-stroke Patients After Robotic Intervention. <i>Frontiers in Neuroscience</i> , 2018, 12, 276.	1.4	44
2	The hybrid assisted limb (HAL) for Care Support, a motion assisting robot providing exoskeletal lumbar support, can potentially reduce lumbar load in repetitive snow-shoveling movements. <i>Journal of Clinical Neuroscience</i> , 2018, 49, 83-86.	0.8	39
3	The hybrid assistive limb (HAL) for Care Support successfully reduced lumbar load in repetitive lifting movements. <i>Journal of Clinical Neuroscience</i> , 2018, 53, 276-279.	0.8	38
4	Robotic Ankle-Foot Orthosis With a Variable Viscosity Link Using MR Fluid. <i>IEEE/ASME Transactions on Mechatronics</i> , 2019, 24, 495-504.	3.7	36
5	Decrease of spasticity after hybrid assistive limb training for a patient with C4 quadriplegia due to chronic SCI. <i>Journal of Spinal Cord Medicine</i> , 2017, 40, 573-578.	0.7	34
6	The voluntary driven exoskeleton Hybrid Assistive Limb (HAL) for postoperative training of thoracic ossification of the posterior longitudinal ligament: a case report. <i>Journal of Spinal Cord Medicine</i> , 2017, 40, 361-367.	0.7	29
7	Voluntary Ambulation by Upper Limb-Triggered HAL in Patients with Complete Quadri/Paraplegia Due to Chronic Spinal Cord Injury. <i>Frontiers in Neuroscience</i> , 2017, 11, 649.	1.4	28
8	Standing Mobility Device With Passive Lower Limb Exoskeleton for Upright Locomotion. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 1608-1618.	3.7	25
9	Hybrid assistive limb (HAL) treatment for patients with severe thoracic myelopathy due to ossification of the posterior longitudinal ligament (OPLL) in the postoperative acute/subacute phase: A clinical trial. <i>Journal of Spinal Cord Medicine</i> , 2019, 42, 517-525.	0.7	22
10	Unpowered Lower-Body Exoskeleton with Torso Lifting Mechanism for Supporting Sit-to-Stand Transitions. , 2018, , .		21
11	Muscle Synergies During Repetitive Stoop Lifting With a Bioelectrically-Controlled Lumbar Support Exoskeleton. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 142.	1.0	20
12	Differences in Muscle Synergy Symmetry Between Subacute Post-stroke Patients With Bioelectrically-Controlled Exoskeleton Gait Training and Conventional Gait Training. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 770.	2.0	20
13	Successful Use of the Hybrid Assistive Limb for Care Support to Reduce Lumbar Load in a Simulated Patient Transfer. <i>Asian Spine Journal</i> , 2021, 15, 40-45.	0.8	20
14	Active elbow flexion is possible in C4 quadriplegia using hybrid assistive limb (HAL) technology: A case study. <i>Journal of Spinal Cord Medicine</i> , 2017, 40, 456-462.	0.7	18
15	Voluntary Elbow Extension-Flexion Using Single Joint Hybrid Assistive Limb (HAL) for Patients of Spastic Cerebral Palsy: Two Cases Report. <i>Frontiers in Neurology</i> , 2019, 10, 2.	1.1	18
16	Reshaping of Gait Coordination by Robotic Intervention in Myelopathy Patients After Surgery. <i>Frontiers in Neuroscience</i> , 2018, 12, 99.	1.4	17
17	Feasibility and safety of Robot Suit HAL treatment for adolescents and adults with cerebral palsy. <i>Journal of Clinical Neuroscience</i> , 2019, 68, 101-104.	0.8	17
18	Walking ability following hybrid assistive limb treatment for a patient with chronic myelopathy after surgery for cervical ossification of the posterior longitudinal ligament. <i>Journal of Spinal Cord Medicine</i> , 2019, 42, 128-136.	0.7	17

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19	Thoracic kyphosis and pelvic anteversion in patients with adult spinal deformity increase while walking: analyses of dynamic alignment change using a three-dimensional gait motion analysis system. <i>European Spine Journal</i> , 2020, 29, 840-848.	1.0	17
20	Application of a newly developed upper limb single-joint hybrid assistive limb for postoperative C5 paralysis: An initial case report indicating its safety and feasibility. <i>Journal of Clinical Neuroscience</i> , 2018, 50, 268-271.	0.8	16
21	The Hybrid Assistive Limb [®] intervention for a postoperative patient with spinal dural arteriovenous fistula and chronic spinal cord injury: A case study. <i>Journal of Spinal Cord Medicine</i> , 2018, 41, 710-717.	0.7	15
22	Robotic rehabilitation training with a newly developed upper limb single-joint Hybrid Assistive Limb (HAL-SJ) for elbow flexor reconstruction after brachial plexus injury: A report of two cases. <i>Journal of Orthopaedic Surgery</i> , 2018, 26, 230949901877788.	0.4	14
23	Knee biomechanics changes under dual task during single-leg drop landing. <i>Journal of Experimental Orthopaedics</i> , 2019, 6, 5.	0.8	14
24	Reshaping of Bilateral Gait Coordination in Hemiparetic Stroke Patients After Early Robotic Intervention. <i>Frontiers in Neuroscience</i> , 2018, 12, 719.	1.4	13
25	Passive Flow Control for Series Inflatable Actuators: Application on a Wearable Soft-Robot for Posture Assistance. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 4891-4898.	3.3	11
26	Personal Mobility With Synchronous Trunk [®] Knee Passive Exoskeleton: Optimizing Human [®] Robot Energy Transfer. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 3613-3623.	3.7	11
27	Muscular Activity Modulation During Post-operative Walking With Hybrid Assistive Limb (HAL) in a Patient With Thoracic Myelopathy Due to Ossification of Posterior Longitudinal Ligament: A Case Report. <i>Frontiers in Neurology</i> , 2020, 11, 102.	1.1	10
28	The fatty degeneration of the lumbar erector spinae muscles affects dynamic spinal compensation ability during gait in adult spinal deformity. <i>Scientific Reports</i> , 2021, 11, 18088.	1.6	10
29	Robot-assisted voluntary initiation reduces control-related difficulties of initiating joint movement: A phenomenal questionnaire study on shaping and compensation of forward gait. <i>PLoS ONE</i> , 2018, 13, e0194214.	1.1	10
30	Gait training using a hybrid assistive limb (HAL) attenuates head drop: A case report. <i>Journal of Clinical Neuroscience</i> , 2018, 52, 141-144.	0.8	9
31	Gait Analysis Comparing Kinematic, Kinetic, and Muscle Activation Data of Modern and Conventional Total Knee Arthroplasty. <i>Arthroplasty Today</i> , 2020, 6, 338-342.	0.8	9
32	Effects of Gait Treatment With a Single-Leg Hybrid Assistive Limb System After Acute Stroke: A Non-randomized Clinical Trial. <i>Frontiers in Neuroscience</i> , 2019, 13, 1389.	1.4	9
33	Development of a New Ankle Joint Hybrid Assistive Limb. <i>Medicina (Lithuania)</i> , 2022, 58, 395.	0.8	9
34	Shoulder motion assistance using a single-joint Hybrid Assistive Limb [®] robot: Evaluation of its safety and validity in healthy adults. <i>Journal of Orthopaedic Surgery</i> , 2017, 25, 230949901772795.	0.4	8
35	MRLift: a Semi-active Lower Back Support Exoskeleton based on MR Fluid and Force Retention Technology. , 2019, , .		8
36	Dropped Head Syndrome Attenuation by Hybrid Assistive Limb: A Preliminary Study of Three Cases on Cervical Alignment during Walking. <i>Medicina (Lithuania)</i> , 2020, 56, 291.	0.8	8

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37	Radiographic analysis using the hip-to-calcaneus line and its association with lower limb joint kinetics in varus knee osteoarthritis. <i>Knee</i> , 2022, 35, 142-148.	0.8	8
38	Shoulder training using shoulder assistive robot in a patient with shoulder elevation dysfunction: A case report. <i>Journal of Orthopaedic Science</i> , 2022, 27, 1154-1158.	0.5	7
39	Control Interface for Hands-free Navigation of Standing Mobility Vehicles based on Upper-Body Natural Movements. , 2020, , .		7
40	Bodily Expression Support for Creative Dance Education by Grasping-Type Musical Interface with Embedded Motion and Grasp Sensors. <i>Sensors</i> , 2017, 17, 1171.	2.1	6
41	Three-dimensional gait analysis reveals dynamic alignment change in a patient with dropped head syndrome: A case report. <i>Journal of Clinical Neuroscience</i> , 2018, 48, 106-108.	0.8	6
42	Successful detection of postoperative improvement of dynamic sagittal balance with a newly developed three-dimensional gait motion analysis system in a patient with iatrogenic flatback syndrome: A case report. <i>Journal of Clinical Neuroscience</i> , 2018, 53, 241-243.	0.8	6
43	Hybrid Assistive Limb Functional Treatment for a Patient with Chronic Incomplete Cervical Spinal Cord Injury. <i>International Medical Case Reports Journal</i> , 2021, Volume 14, 413-420.	0.3	6
44	Feasibility study of wearable robot control based on upper and lower limbs synergies. , 2015, , .		5
45	An Exoskeleton Brake Unit for Children with Crouch Gait Supporting the Knee Joint During Stance. , 2018, , .		5
46	Wearable inflatable robot for supporting postural transitions in infants between sitting and lying. , 2015, , .		4
47	Visualization of walking speed variation-induced synchronized dynamic changes in lower limb joint angles and activity of trunk and lower limb muscles with a newly developed gait analysis system. <i>Journal of Orthopaedic Surgery</i> , 2018, 26, 230949901880668.	0.4	4
48	Hybrid Assistive Limb Intervention in a Patient with Late Neurological Deterioration after Thoracic Myelopathy Surgery due to Ossification of the Ligamentum Flavum. <i>Case Reports in Orthopedics</i> , 2018, 2018, 1-10.	0.1	4
49	Voluntary ambulation using voluntary upper limb muscle activity and Hybrid Assistive Limb® (HAL®) in a patient with complete paraplegia due to chronic spinal cord injury: A case report. <i>Journal of Spinal Cord Medicine</i> , 2019, 42, 460-468.	0.7	4
50	Robotic Shoulder Rehabilitation With the Hybrid Assistive Limb in a Patient With Delayed Recovery After Postoperative C5 Palsy: A Case Report. <i>Frontiers in Neurology</i> , 2021, 12, 676352.	1.1	4
51	Voluntary initiation of movement: multifunctional integration of subjective agency. <i>Frontiers in Psychology</i> , 2015, 6, 688.	1.1	3
52	Adjustment effect during shoulder abduction training with the Hybrid Assistive Limb in a patient with postoperative C5 palsy. <i>Journal of Clinical Neuroscience</i> , 2021, 88, 197-204.	0.8	3
53	Functional magnetic resonance imaging of brain activity during hybrid assistive limb intervention in a chronic spinal cord injury patient with C4 quadriplegia. <i>Journal of Clinical Neuroscience</i> , 2022, 99, 17-21.	0.8	2
54	Relationship Between Posterior Tibial Slope and Lower Extremity Biomechanics During a Single-Leg Drop Landing Combined With a Cognitive Task in Athletes After ACL Reconstruction. <i>Orthopaedic Journal of Sports Medicine</i> , 2022, 10, 232596712211079.	0.8	2

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55	Hybrid Assistive Limb Intervention for Hemiplegic Shoulder Dysfunction Due to Stroke. <i>Cureus</i> , 2021, 13, e19827.	0.2	1
56	Immediate effects of hybrid assistive limb gait training on lower limb function in a chronic myelopathy patient with postoperative late neurological deterioration. <i>BMC Research Notes</i> , 2022, 15, 89.	0.6	1
57	Clinical neuro-mechanics for design and analysis of motor assistive devices. , 2018, , .		0
58	Comparative Effects of Auditory Electromyographic Biofeedback for Participants Who Are Blind and Sighted. <i>Perceptual and Motor Skills</i> , 2018, 125, 732-748.	0.6	0
59	Assistive Walker with Passive Sit-to-Stand Mechanism for Toileting Independence. , 2021, , .		0
60	Synergy Analysis in Robot Assisted Locomotion. <i>The Abstracts of the International Conference on Advanced Mechatronics Toward Evolutionary Fusion of IT and Mechatronics ICAM</i> , 2015, 2015.6, 231-232.	0.0	0
61	An Exoskeleton Brake Unit for Children Supporting Knee Extension During Stance. <i>The Proceedings of JSME Annual Conference on Robotics and Mechatronics (Robomec)</i> , 2018, 2018, 2A2-E04.	0.0	0