

Wansoo Kim

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

940
citations

687363

13
h-index

677142

22
g-index

39
all docs

39
docs citations

39
times ranked

836
citing authors

#	ARTICLE	IF	CITATIONS
1	The technical trend of the exoskeleton robot system for human power assistance. International Journal of Precision Engineering and Manufacturing, 2012, 13, 1491-1497.	2.2	150
2	Anticipatory Robot Assistance for the Prevention of Human Static Joint Overloading in Human-Robot Collaboration. IEEE Robotics and Automation Letters, 2018, 3, 68-75.	5.1	85
3	Adaptable Workstations for Human-Robot Collaboration: A Reconfigurable Framework for Improving Worker Ergonomics and Productivity. IEEE Robotics and Automation Magazine, 2019, 26, 14-26.	2.0	68
4	A Teleoperation Interface for Loco-Manipulation Control of Mobile Collaborative Robotic Assistant. IEEE Robotics and Automation Letters, 2019, 4, 3593-3600.	5.1	62
5	A Human-Robot Collaboration Framework for Improving Ergonomics During Dexterous Operation of Power Tools. Robotics and Computer-Integrated Manufacturing, 2021, 68, 102084.	9.9	60
6	Towards ergonomic control of human-robot co-manipulation and handover. , 2017, , .		57
7	Interference cancellation for non-orthogonal multiple access used in future wireless mobile networks. Eurasip Journal on Wireless Communications and Networking, 2016, 2016, .	2.4	54
8	Human-robot cooperative control based on pHRI (Physical Human-Robot Interaction) of exoskeleton robot for a human upper extremity. International Journal of Precision Engineering and Manufacturing, 2012, 13, 985-992.	2.2	49
9	ErgoTac: A Tactile Feedback Interface for Improving Human Ergonomics in Workplaces. IEEE Robotics and Automation Letters, 2018, 3, 4179-4186.	5.1	35
10	A New Overloading Fatigue Model for Ergonomic Risk Assessment with Application to Human-Robot Collaboration. , 2019, , .		30
11	Mechanical design of the Hanyang Exoskeleton Assistive Robot (HEXAR). , 2014, , .		29
12	Development of a lower extremity Exoskeleton Robot with a quasi-anthropomorphic design approach for load carriage. , 2015, , .		27
13	Development of an underactuated exoskeleton for effective walking and load-carrying assist. Advanced Robotics, 2016, 30, 535-551.	1.8	23
14	Development of bulldozer sensor system for estimating the position of blade cutting edge. Automation in Construction, 2019, 106, 102890.	9.8	20
15	Towards an Intelligent Collaborative Robotic System for Mixed Case Palletizing. , 2020, , .		20
16	A real-time and reduced-complexity approach to the detection and monitoring of static joint overloading in humans. , 2017, 2017, 828-834.		18
17	A Synergistic Approach to the Real-Time Estimation of the Feet Ground Reaction Forces and Centers of Pressure in Humans With Application to Human-Robot Collaboration. IEEE Robotics and Automation Letters, 2018, 3, 3654-3661.	5.1	16
18	MOCA-MAN: A MOBILE and reconfigurable Collaborative Robot Assistant for conjoined huMAN-robot actions. , 2020, , .		16

#	ARTICLE	IF	CITATIONS
19	Unified Approach for Hybrid Motion Control of MOCA Based on Weighted Whole-Body Cartesian Impedance Formulation. IEEE Robotics and Automation Letters, 2021, 6, 3505-3512.	5.1	16
20	Towards Ergonomic Control of Collaborative Effort in Multi-human Mobile-robot Teams. , 2019, , .		15
21	Food Waste Reduction from Customersâ€™ Plates: Applying the Norm Activation Model in South Korean Context. Land, 2022, 11, 109.	2.9	15
22	A Directional Vibrotactile Feedback Interface for Ergonomic Postural Adjustment. IEEE Transactions on Haptics, 2022, 15, 200-211.	2.7	10
23	An Intuitive Formulation of the Human Arm Active Endpoint Stiffness. Sensors, 2020, 20, 5357.	3.8	8
24	A Real-time Tool for Human Ergonomics Assessment based on Joint Compressive Forces. , 2020, , .		8
25	A Visuo-Haptic Guidance Interface for Mobile Collaborative Robotic Assistant (MOCA). , 2020, , .		7
26	A Framework for Real-time and Personalisable Human Ergonomics Monitoring. , 2020, , .		7
27	An Online Method to Detect and Locate an External Load on the Human Body with Applications in Ergonomics Assessment. Sensors, 2020, 20, 4471.	3.8	5
28	An Adaptive Control Approach to Robotic Assembly with Uncertainties in Vision and Dynamics. , 2020, , .		5
29	Energy-efficient gait pattern generation of the powered robotic exoskeleton using DME. , 2010, , .		4
30	A Flexible Robotics-Inspired Computational Model of Compressive Loading on the Human Spine. IEEE Robotics and Automation Letters, 2021, 6, 8229-8236.	5.1	4
31	Hotel Guestsâ€™ Psychological Distance of Climate Change and Environment-Friendly Behavior Intention. International Journal of Environmental Research and Public Health, 2022, 19, 16.	2.6	4
32	Design and Kinematic Analysis of the Hanyang Exoskeleton Assistive Robot (HEXAR) for Human Synchronized Motion. Biosystems and Biorobotics, 2017, , 275-279.	0.3	3
33	Development of a Prototype Overground Pelvic Obliquity Support Robot for Rehabilitation of Hemiplegia Gait. Sensors, 2022, 22, 2462.	3.8	3
34	A Sensor Fusion Strategy for Indoor Target Three-dimensional Localization based on Ultra-Wideband and Barometric Altimeter Measurements. , 2022, , .		3
35	A Real-time Graphic Interface for the Monitoring of the Human Joint Overloadings with Application to Assistive Exoskeletons. Biosystems and Biorobotics, 2019, , 281-285.	0.3	2
36	Optimal gait pattern generation for powered robotic exoskeleton and verification of its feasibility. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
37	Learning cooperative dynamic manipulation skills from human demonstration videos. Mechatronics, 2022, 85, 102807.	3.3	1
38	TERRAIN CLASSIFICATION AND VERIFICATION FOR LEGGED ROBOTS USING STATISTICAL METHOD. , 2010, , .		0
39	On-State Resistance Instability of Programmed Antifuse Cells during Read Operation. Journal of Semiconductor Technology and Science, 2014, 14, 503-507.	0.4	0