Seungnam Yu

List of Publications by Year
in descending order

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32	525	1163065	677123
papers	citations	8	22
		h-index	g-index

32	32	32	540
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Auto inspection system using a mobile robot for detecting concrete cracks in a tunnel. Automation in Construction, 2007, 16, 255-261.	9.8	269
2	Development of the curtain wall installation robot: Performance and efficiency tests at a construction site. Autonomous Robots, 2007, 22, 281-291.	4.8	34
3	Design of an Under-Actuated Exoskeleton System for Walking Assist While Load Carrying. Advanced Robotics, 2012, 26, 561-580.	1.8	33
4	Feasibility verification of brick-laying robot using manipulation trajectory and the laying pattern optimization. Automation in Construction, 2009, 18, 644-655.	9.8	32
5	Design Considerations of a Lower Limb Exoskeleton System to Assist walking and Load-Carrying of Infantry Soldiers. Applied Bionics and Biomechanics, 2014, 11, 119-134.	1.1	31
6	Development of an underactuated exoskeleton for effective walking and load-carrying assist. Advanced Robotics, 2016, 30, 535-551.	1.8	23
7	A methodology to quantitatively evaluate the safety of a glazing robot. Applied Ergonomics, 2011, 42, 445-454.	3.1	12
8	Robot Palletizing Simulation Using Heuristic Pattern Generation and Trajectory Optimization. , 2006, , .		11
9	Design variable optimization for pantograph system of high-speed train using robust design technique. International Journal of Precision Engineering and Manufacturing, 2013, 14, 267-273.	2.2	11
10	ERGONOMIC ANALYSIS OF A TELEMANIPULATION TECHNIQUE FOR A PYROPROCESS DEMONSTRATION FACILITY. Nuclear Engineering and Technology, 2014, 46, 489-500.	2.3	8
11	Piezoelectric actuators for the correction of optical ray path in the operation of laser gyros. International Journal of Precision Engineering and Manufacturing, 2011, 12, 91-96.	2.2	7
12	Development of human-robot interfacing method for assistive wearable robot of the human upper extremities. , 2008, , .		6
13	Design of a gripper system for tendon-driven telemanipulators considering semi-automatic spring mechanism and eye-in-hand camera system. Journal of Mechanical Science and Technology, 2017, 31, 1437-1446.	1.5	6
14	Virtual reality platform-based conceptual design and simulation of a hot cell facility. International Journal of Advanced Manufacturing Technology, 2021, 116, 487-505.	3.0	6
15	Hot cell renovation in the spent fuel conditioning process facility at the Korea Atomic Energy Research Institute. Nuclear Engineering and Technology, 2015, 47, 776-790.	2.3	5
16	An improved multipurpose field robot for installing construction materials. Robotica, 2010, 28, 945-957.	1.9	4
17	Development of an articulated mine-detecting manipulator system for mobile robots. Journal of Mechanical Science and Technology, 2011, 25, 1051-1060.	1.5	4
18	Manipulator handling device for assembly of largeâ€size panels. Assembly Automation, 2012, 32, 361-372.	1.7	4

#	Article	IF	Citations
19	Off-line robot palletizing simulator using optimized pattern and trajectory generation algorithm. , 2007, , .		3
20	Design considerations for teleoperation systems operating in gas-tight argon cells. Nuclear Engineering and Technology, 2017, 49, 1717-1726.	2.3	3
21	Development of Command Signal Generating Method for Assistive Wearable Robot of the Human Upper Extremity. Journal of Institute of Control, Robotics and Systems, 2009, 15, 176-183.	0.2	3
22	Methodology for the kinematical selection of a manipulator for a specified task. Autonomous Robots, 2007, 22, 243-253.	4.8	2
23	Remote manipulator systems for pyroprocessing facility application. , 2013, , .		2
24	Crane system with remote actuation mechanism for use in argon compartment in ACPF hot cell. Nuclear Engineering and Design, 2016, 307, 144-154.	1.7	2
25	Equipment Layout Improvement for Large-Scale Hot Cell Facility Logistics. Science and Technology of Nuclear Installations, 2017, 2017, 1-11.	0.8	2
26	Inerting Strategy for a Demonstration-Scale Hot Cell Facility Based on Experiences from Pilot-Scale Argon Cell Facility Operation and CFD Analysis. Science and Technology of Nuclear Installations, 2021, 2021, 1-12.	0.8	1
27	Terrain Classification Strategy of a Quadruped Robot for Gait Transition and Adaptation in a Field Terrain. Advanced Science Letters, 2013, 19, 21-26.	0.2	1
28	Design analysis and optimization of 6-DOF telemanipulator based on performance indices. Robotica, 2018, 36, 1822-1835.	1.9	0
29	A Conceptual Framework for Equipment Maintenance Automation under a Pyroprocessing Automation Framework. Science and Technology of Nuclear Installations, 2019, 2019, 1-10.	0.8	0
30	Development of simulation systems for telemanipulators in confined cell facilities. Nuclear Engineering and Technology, 2020, 52, 429-447.	2.3	0
31	Behavior Analysis of In-wheel Drive Type 6WD/6WS Vehicle Based on System Modeling and Driving Simulation. Journal of Institute of Control, Robotics and Systems, 2010, 16, 353-360.	0.2	0
32	Development of Walking Assistive System using Body Weight Supporting and Path Planning Strategy. Journal of Institute of Control, Robotics and Systems, 2010, 16, 939-947.	0.2	0