Jungwon Yoon

List of Publications by Year
in descending order

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175 papers	2,360 citations	279701 23 h-index	289141 40 g-index
176 all docs	176 docs citations	176 times ranked	2023 citing authors

#	Article	IF	Citations
1	A 6-DOF Gait Rehabilitation Robot With Upper and Lower Limb Connections That Allows Walking Velocity Updates on Various Terrains. IEEE/ASME Transactions on Mechatronics, 2010, 15, 201-215.	3.7	128
2	Reconfigurable ankle rehabilitation robot for various exercises. Journal of Field Robotics, 2006, 22, S15-S33.	0.7	97
3	Synthesis of Magnetic Ferrite Nanoparticles with High Hyperthermia Performance via a Controlled Co-Precipitation Method. Nanomaterials, 2019, 9, 1176.	1.9	89
4	Osmotin-loaded magnetic nanoparticles with electromagnetic guidance for the treatment of Alzheimer's disease. Nanoscale, 2017, 9, 10619-10632.	2.8	86
5	Design, fabrication, and evaluation of a new haptic device using a parallel mechanism. IEEE/ASME Transactions on Mechatronics, 2001, 6, 221-233.	3.7	74
6	Development of 6-axis force/moment sensor for a humanoid robot's intelligent foot. Sensors and Actuators A: Physical, 2008, 141, 276-281.	2.0	73
7	Power capture optimization of variable-speed wind turbines using an output feedback controller. Renewable Energy, 2016, 86, 517-525.	4.3	66
8	Studies of aggregated nanoparticles steering during magnetic-guided drug delivery in the blood vessels. Journal of Magnetism and Magnetic Materials, 2017, 427, 181-187.	1.0	65
9	A Portable Gait Asymmetry Rehabilitation System for Individuals with Stroke Using a Vibrotactile Feedback. BioMed Research International, 2015, 2015, 1-16.	0.9	59
10	Assembly simulations in virtual environments with optimized haptic path and sequence. Robotics and Computer-Integrated Manufacturing, 2011, 27, 306-317.	6.1	58
11	A novel walking speed estimation scheme and its application to treadmill control for gait rehabilitation. Journal of NeuroEngineering and Rehabilitation, 2012, 9, 62.	2.4	54
12	A Novel Scheme for Nanoparticle Steering in Blood Vessels Using a Functionalized Magnetic Field. IEEE Transactions on Biomedical Engineering, 2015, 62, 303-313.	2.5	48
13	Optimum kinematic design of a planar cable-driven parallel robot with wrench-closure gait trajectory. Mechanism and Machine Theory, 2016, 99, 1-18.	2.7	48
14	A Novel Electromagnetic Actuation System for Magnetic Nanoparticle Guidance in Blood Vessels. IEEE Transactions on Magnetics, 2014, 50, 1-12.	1.2	44
15	A Novel Locomotion Interface with Two 6-DOF Parallel Manipulators That Allows Human Walking on Various Virtual Terrains. International Journal of Robotics Research, 2006, 25, 689-708.	5.8	40
16	Effects of kinesthetic haptic feedback on standing stability of young healthy subjects and stroke patients. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 27.	2.4	40
17	Guidance of Magnetic Nanocontainers for Treating Alzheimer's Disease Using an Electromagnetic, Targeted Drug-Delivery Actuator. Journal of Biomedical Nanotechnology, 2016, 12, 569-574.	0.5	39
18	Development of a real time imaging-based guidance system of magnetic nanoparticles for targeted drug delivery. Journal of Magnetism and Magnetic Materials, 2017, 427, 345-351.	1.0	35

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19	Real-Time Two-Dimensional Magnetic Particle Imaging for Electromagnetic Navigation in Targeted Drug Delivery. Sensors, 2017, 17, 2050.	2.1	33
20	Engineering Core-Shell Structures of Magnetic Ferrite Nanoparticles for High Hyperthermia Performance. Nanomaterials, 2020, 10, 991.	1.9	33
21	A Novel Magnetic Actuation Scheme to Disaggregate Nanoparticles and Enhance Passage across the Bloodâ€“Brain Barrier. Nanomaterials, 2018, 8, 3.	1.9	31
22	Gait pattern generation with knee stretch motion for biped robot using toe and heel joints. , 2008, , .		28
23	A Novel Reconfigurable Ankle/Foot Rehabilitation Robot. , 0, , .		27
24	Robust image-based control of the quadrotor unmanned aerial vehicle. Nonlinear Dynamics, 2016, 85, 2035-2048.	2.7	27
25	Adaptive neural controller for space robot system with an attitude controlled base. Neural Computing and Applications, 2013, 23, 2333-2340.	3.2	26
26	Adaptive vision-based control of an unmanned aerial vehicle without linear velocity measurements. ISA Transactions, 2016, 65, 296-306.	3.1	26
27	Development of an intuitive user interface for a hydraulic backhoe. Automation in Construction, 2010, 19, 779-790.	4.8	24
28	A Soft Magnetic Core can Enhance Navigation Performance of Magnetic Nanoparticles in Targeted Drug Delivery. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1573-1584.	3.7	22
29	The simplest passive dynamic walking model with toed feet: a parametric study. Robotica, 2009, 27, 701.	1.3	21
30	Robust trajectory tracking control of cable-driven parallel robots. Nonlinear Dynamics, 2017, 89, 2769-2784.	2.7	21
31	A Novel Shared Guidance Scheme for Intelligent Haptic Interaction Based Swarm Control of Magnetic Nanoparticles in Blood Vessels. IEEE Access, 2020, 8, 106714-106725.	2.6	21
32	Haptic assisted aircraft optimal assembly path planning scheme based on swarming and artificial potential field approach. Advances in Engineering Software, 2014, 69, 18-25.	1.8	19
33	A Novel Design of an MPI-Based Guidance System for Simultaneous Actuation and Monitoring of Magnetic Nanoparticles. IEEE Transactions on Magnetics, 2015, 51, 1-5.	1.2	19
34	Boundedâ€Input Control of the Quadrotor Unmanned Aerial Vehicle: A Visionâ€Based Approach. Asian Journal of Control, 2017, 19, 840-855.	1.9	19
35	Haptic-Based Manipulation Scheme of Magnetic Nanoparticles in a Multi-Branch Blood Vessel for Targeted Drug Delivery. Micromachines, 2018, 9, 14.	1.4	19
36	A novel balance training system using multimodal biofeedback. BioMedical Engineering OnLine, 2016, 15, 42.	1.3	18

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37	Evaluating the effects of delivering integrated kinesthetic and tactile cues to individuals with unilateral hemiparetic stroke during overground walking. Journal of NeuroEngineering and Rehabilitation, 2018, 15, 33.	2.4	18
38	Effects of Vibrotactile Biofeedback Coding Schemes on Gait Symmetry Training of Individuals With Stroke. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1617-1625.	2.7	18
39	Theoretical Analysis for Wireless Magnetothermal Deep Brain Stimulation Using Commercial Nanoparticles. International Journal of Molecular Sciences, 2019, 20, 2873.	1.8	18
40	Core/shell PA6 @ Fe3O4 nanofibers: Magnetic and shielding behavior. Journal of Dispersion Science and Technology, 2020, 41, 1711-1719.	1.3	18
41	Swarm of magnetic nanoparticles steering in multi-bifurcation vessels under fluid flow. Journal of Micro-Bio Robotics, 2020, 16, 137-145.	2.1	18
42	A novel optimal assembly algorithm for haptic interface applications of a virtual maintenance system. Journal of Mechanical Science and Technology, 2009, 23, 183-194.	0.7	17
43	Identifying the effects of using integrated haptic feedback for gait rehabilitation of stroke patients. , 2017, 2017, 1055-1060.		17
44	A Magnetic Particle Imaging-Based Navigation Platform for Magnetic Nanoparticles Using Interactive Manipulation of a Virtual Field Free Point to Ensure Targeted Drug Delivery. IEEE Transactions on Industrial Electronics, 2021, 68, 12493-12503.	5.2	16
45	Mech-Walker:A Novel Single-DOF Linkage Device With Movable Frame for Gait Rehabilitation. IEEE/ASME Transactions on Mechatronics, 2021, 26, 13-23.	3.7	16
46	Smartphone Based Control Architecture of Teaching Pendant for Industrial Manipulators. , 2013, , .		15
47	Development of a six-axis force/moment sensor for a spherical-type finger force measuring system. IET Science, Measurement and Technology, 2012, 6, 96-104.	0.9	14
48	Design of a haptic cane for walking stability and rehabilitation. , 2013, , .		13
49	Design and Simulation of a 3D Actuation System for Magnetic Nano-Particles Delivery System. Lecture Notes in Computer Science, 2013, , 177-187.	1.0	13
50	An adaptive foot device for increased gait and postural stability in lower limb Orthoses and exoskeletons. International Journal of Control, Automation and Systems, 2011, 9, 515-524.	1.6	12
51	Impedance control of a small treadmill with sonar sensors for automatic speed adaptation. International Journal of Control, Automation and Systems, 2014, 12, 1323-1335.	1.6	12
52	Adaptive control of variable-speed wind turbines for power capture optimisation. Transactions of the Institute of Measurement and Control, 2017, 39, 1663-1672.	1.1	12
53	Evaluating the Effects of Kinesthetic Biofeedback Delivered Using Reaction Wheels on Standing Balance. Journal of Healthcare Engineering, 2018, 2018, 1-10.	1.1	12
54	Control of cable-driven parallel robot for gait rehabilitation. , 2015, , .		11

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55	Simulation studies of a novel electromagnetic actuation scheme for focusing magnetic micro/nano-carriers into a deep target region. AIP Advances, 2017, 7, .	0.6	11
56	Stable assist-as-needed controller design for a planar cable-driven robotic system. International Journal of Control, Automation and Systems, 2017, 15, 2871-2882.	1.6	11
57	Development of a Robotic Companion to Provide Haptic Force Interaction for Overground Gait Rehabilitation. IEEE Access, 2020, 8, 34888-34899.	2.6	11
58	Band-Stop Filter Analysis and Design for 1D Magnetic Particle Imaging Hybrid System. Journal of Nanoscience and Nanotechnology, 2016, 16, 8492-8495.	0.9	10
59	Haptic based gait rehabilitation system for stroke patients. , 2016, , .		10
60	Biomechanical evaluation of virtual reality-based turning on a self-paced linear treadmill. Gait and Posture, 2018, 65, 157-162.	0.6	10
61	A novel method for optimal path synthesis of mechanisms based on tracking control of shadow robot. Mechanism and Machine Theory, 2019, 131, 218-233.	2.7	10
62	The Heating Efficiency and Imaging Performance of Magnesium Iron Oxide@tetramethyl Ammonium Hydroxide Nanoparticles for Biomedical Applications. Nanomaterials, 2021, 11, 1096.	1.9	10
63	Offline Programming Guidance for Swarm Steering of Micro-/Nano Magnetic Particles in a Dynamic Multichannel Vascular Model. IEEE Robotics and Automation Letters, 2022, 7, 3977-3984.	3.3	10
64	Hybrid toe and heel joints for biped/humanoid robots for natural gait. , 2007, , .		9
65	Interaction control of a programmable footpad-type gait rehabilitation robot for active walking on various terrains. , 2009, , .		9
66	Open architecture dynamic manipulator design philosophy (DMD). Robotics and Computer-Integrated Manufacturing, 2010, 26, 156-161.	6.1	9
67	A Planar Symmetric Walking Cancellation Algorithm for a Footâ€"Platform Locomotion Interface. International Journal of Robotics Research, 2010, 29, 39-59.	5.8	9
68	Virtual maintenance system with a two-staged ant colony optimization algorithm. , 2011, , .		9
69	Development of an augmented feedback system for training of gait improvement using vibrotactile cues. , 2017, , .		9
70	Analysis of Active Haptic Feedback Effects on Standing Stability. Lecture Notes in Computer Science, 2013, , 154-164.	1.0	9
71	Development of cylindrical-type finger force measuring system using force sensors and its characteristics evaluation. Mechanical Systems and Signal Processing, 2012, 27, 513-522.	4.4	8
72	Vision-based control of an underactuated flying robot with input delay. Transactions of the Institute of Measurement and Control, 2018, 40, 446-455.	1.1	8

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73	An Intelligent Control Scheme to Facilitate Abrupt Stopping on Self-Adjustable Treadmills. , 2018, , .		8
74	Development of a Novel Gait Rehabilitation Device with Hip Interaction and a Single DOF Mechanism. , 2019, , .		8
75	Optimal Design and Implementation of a Novel Two-Dimensional Electromagnetic Navigation System That Allows Focused Heating of Magnetic Nanoparticles. IEEE/ASME Transactions on Mechatronics, 2021, 26, 551-562.	3.7	8
76	A Balance Training System using a Haptic Device and Its Evaluations. Journal of Institute of Control, Robotics and Systems, 2014, 20, 971-976.	0.1	8
77	Highly Optimized Iron Oxide Embedded Poly(Lactic Acid) Nanocomposites for Effective Magnetic Hyperthermia and Biosecurity. International Journal of Nanomedicine, 2022, Volume 17, 31-44.	3.3	8
78	A new family of hybrid 4-DOF parallel mechanisms with two platforms and its application to a footpad device. Journal of Field Robotics, 2005, 22, 287-298.	0.7	7
79	Optimal assembly path planning algorithm for aircraft part maintenance. , 2007, , .		7
80	Speed adaptation control of a small-sized treadmill with state feedback controller. , 2010, , .		7
81	A novel dynamic walker with heel, ankle, and toe rocker motions. Robotica, 2011, 29, 883-893.	1.3	7
82	A novel robotic knee device with stance control and its kinematic weight optimization for rehabilitation. Robotica, 2014, 32, 1245-1263.	1.3	7
83	A Novel Trunk Rehabilitation Robot Based Evaluation of Seated Balance Under Varying Seat Surface and Visual Conditions. IEEE Access, 2020, 8, 204902-204913.	2.6	7
84	Development of Rat-Scale Magnetic Particle Spectroscopy for Functional Magnetic Particle Imaging. IEEE Magnetics Letters, 2020, 11, 1-5.	0.6	7
85	Development of a 3-DOF Planar Parallel Robot (RRR Type) for Omni-directional Locomotion Interface. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 67-72.	0.4	6
86	Walking control of a dual-planar parallel robot for omni-directional locomotion interface. , 2005, , .		6
87	A novel optimal assembly algorithm for the haptic interface application of a virtual maintenance system. , 2008, , .		6
88	An enhanced haptic assembly simulation system for the efficiency of assembly tasks. , 2009, , .		6
89	A modified functionalized magnetic Field for nanoparticle guidance in magnetic drug targeting. , 2016, , .		6
90	Design of the omni directional treadmill based on an Omni-pulley mechanism. , 2016, , .		6

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91	Functionalized Magnetic Force Enhances Magnetic Nanoparticle Guidance: From Simulation to Crossing of the Bloodâ€“Brain Barrier <italic>In Vivo</italic>. IEEE Transactions on Magnetics, 2016, 52, 1-4.	1.2	6
92	Development of a Novel Omnidirectional Treadmill-Based Locomotion Interface Device with Running Capability. Applied Sciences (Switzerland), 2021, 11, 4223.	1.3	6
93	Theoretical Analysis for Using Pulsed Heating Power in Magnetic Hyperthermia Therapy of Breast Cancer. International Journal of Molecular Sciences, 2021, 22, 8895.	1.8	6
94	Intelligent Assembly/Disassembly System with a Haptic Device for Aircraft Parts Maintenance. Lecture Notes in Computer Science, 2007, , 760-767.	1.0	6
95	Robotic virtual manipulations of a nuclear hotâ€cell digital mockâ€up system. Assembly Automation, 2011, 31, 17-28.	1.0	5
96	A cost effective design and analysis of an active prosthetic knee for transfemoral amputees. , 2014, , .		5
97	Development of a multimodal biofeedback system for balance training. , 2015, , .		5
98	Modeling and simulation of critical force and time in 3D manipulations using rectangular, V-shaped and dagger-shaped cantilevers. European Journal of Mechanics, A/Solids, 2016, 59, 333-343.	2.1	5
99	Functionalized electromagnetic actuation method for aggregated nanoparticles steering. , 2017, 2017, 885-888.		5
100	An electromagnetic navigation system with real-time 2D magnetic particle imaging for targeted drug delivery. , 2017, , .		5
101	Catalytic Activity of Hybrid Iron Oxide Silver Nanoparticles in Methyl Methacrylate Polymerization. Catalysts, 2020, 10, 422.	1.6	5
102	Effects of using TENS as Electro-tactile Feedback for Postural Balance under Muscle Fatigue Condition. , 2021, , .		5
103	Study on the Effects of Different Seat and Leg Support Conditions of a Trunk Rehabilitation Robot. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 812-822.	2.7	5
104	Design and analysis of a novel virtual walking machine. , 0, , .		4
105	A VR navigation of a 6-DOF gait rehabilitation robot with upper and lower limbs connections. , 2008, , .		4
106	Optimized targeting of magnetic nano particles for drug delivery system. , 2013, , .		4
107	Haptic Guided Virtual Reality Simulation for Targeted Drug Delivery Using Nano-Containers Manipulation. Journal of Biomedical Nanotechnology, 2013, 9, 1190-1194.	0.5	4
108	An optimized field function scheme for nanoparticle guidance in magnetic drug targeting systems. , 2015, , .		4

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109	Electromagnetic Actuation Scheme for Swarm of Magnetic Nanoparticles Steering in Multi-bifurcation. , 2019, , .		4
110	A 4 DOF Robot for Post-Stroke Trunk Rehabilitation. , 2019, , .		4
111	Electromagnetic Actuation System for Focused Capturing of Magnetic Particles With a Half of Static Saddle Potential Energy Configuration. IEEE Transactions on Biomedical Engineering, 2021, 68, 869-880.	2.5	4
112	VISION-BASED TRACKING CONTROL OF QUADROTOR USING VELOCITY OF IMAGE FEATURES. International Journal of Robotics and Automation, 2016, 31, .	0.1	4
113	A Novel Planar Walking Algorithm for Virtual Walking Machine. Lecture Notes in Computer Science, 2006, , 1175-1185.	1.0	4
114	Study on the Design and Analysis of a 4-DOF Robot for Trunk Rehabilitation. Journal of the Korean Society of Manufacturing Process Engineers, 2020, 19, 41-51.	0.1	4
115	Development of Haptic Bracelets Based Arm Swing Feedback System for Stroke Survivors. , 2020, , .		4
116	Development of a Novel 2-Dimensional Neck Haptic Device for Gait Balance Training. IEEE Robotics and Automation Letters, 2022, 7, 2511-2518.	3.3	4
117	Evaluation of TENS Based Biofeedback and Warning for Improvement of Seated Balance on a Trunk Rehabilitation Robot. IEEE Robotics and Automation Letters, 2022, 7, 10818-10825.	3.3	4
118	Control of the Rutgers Ankle Rehabilitation Interface. , 2002, , 787.		3
119	A Novel 4-DOF Robotic Foot Mechanism with Multi-platforms for Humanoid Robot (SICE-ICCAS 2006). , 2006, , .		3
120	Haptic guided optimized aircraft maintenance assembly disassembly path planning scheme. , 2010, , .		3
121	Development of 6-axis force/moment sensor for measuring the fingers' muscular strength of human. , 2010, , .		3
122	A hybrid approach for vessel enhancement and fast level set segmenatation based 3d blood vessel extraction using MR brain image. , 2013, , .		3
123	Statistical investigation of efficiency of the nanomagnetic particle steering in blood vessels. , 2013, , .		3
124	Design of 6-DOF Manipulator Intuitive Teaching System Using Smart Phone Orientation: User Friendly and Intuitive Teaching Operation for 6-DOF Manipulator. , 2013, , .		3
125	An electromagnetic steering system for magnetic nanoparticle drug delivery. , 2015, , .		3
126	Design of a novel Assist-As-Needed controller for gait rehabilitation using a cable-driven robot. , 2016, , .		3

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127	In Silico Magnetic Nanocontainers Navigation in Blood Vessels: A Feedback Control Approach. Journal of Nanoscience and Nanotechnology, 2016, 16, 6368-6373.	0.9	3
128	Use of Vibrotactile Bracelets to Study Effects of Arm Swing Variation on Overground Gait. IEEE Access, 2021, 9, 90896-90907.	2.6	3
129	Multimodal Gumdo Game: The Whole Body Interaction with an Intelligent Cyber Fencer. Lecture Notes in Computer Science, 2002, , 1088-1095.	1.0	3
130	A Novel Kinematic Design of a Knee Orthosis to Allow Independent Actuations During Swing and Stance Phases. Journal of Institute of Control, Robotics and Systems, 2011, 17, 814-823.	0.1	3
131	Two-stage mechanism path synthesis using optimized control of a shadow robot: Case study of the eight-bar Jansen mechanism. Mechanism and Machine Theory, 2022, 168, 104569.	2.7	3
132	A Smooth Planar Walking Algorithm for Virtual Walking Machine (K-Walker). , 2006, , .		2
133	Development of six-axis force/moment sensor for an intelligent foot of humanoid robot. , 2007, , .		2
134	Development of 6-axis Force/Moment Sensor for Humanoid Robot's Foot. , 2007, , .		2
135	Walking analysis of a dual-track treadmill using a foot-platform locomotion interface. , 2009, , .		2
136	Fuzzy clustering of temporal parameters of gait during stance phase for walking speed estimation. , 2010, , .		2
137	Haptic based optimized path planning approach to virtual maintenance assembly / disassembly (MAD). , 2010, , .		2
138	Investigation of dimensional parameters influencing a nanorobotic drug delivery actuation system performance. , 2013, , .		2
139	Development of an assistance robot in a hot forging work site and its performance evaluations. , 2015, , .		2
140	Development of a magnetic nanoparticles guidance system for interleaved actuation and MPI-based monitoring. , 2016, , .		2
141	Development of a wearable device based on reaction wheels to deliver kinesthetic cues for balance training. , 2017, , .		2
142	An Optimal Design of an Electromagnetic Actuator for Targeting Magnetic Micro-/Nano-Carriers in a Desired Region. IEEE Transactions on Magnetics, 2018, 54, 1-5.	1.2	2
143	Design of a Novel Gait Rehabilitation Robot with Upper and Lower Limbs Connections. Journal of Institute of Control, Robotics and Systems, 2008, 14, 672-678.	0.1	2
144	A Bio-Robotic Toe & Foot & Heel Models of a Biped Robot for More Natural Walking: Foot Mechanism & Gait Pattern. , 0, , .		2

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145	An Automatic Speed Control System of a Treadmill with Ultrasonic Sensors. Journal of Institute of Control, Robotics and Systems, 2011, 17, 505-511.	0.1	2
146	A Wearable Reaction Wheel based Kinesthetic Biofeedback Device for Delivery of Balance Cues. , 2019, , .		2
147	Comparative Study on Overground Gait of Stroke Survivors With a Conventional Cane and a Haptic Cane. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 2183-2192.	2.7	2
148	Control and evaluation of a new 6-DOF haptic device using a parallel mechanism. , 0, , .		1
149	A symmetric walking cancellation algorithm of a foot-platform locomotion interface. , 2008, , .		1
150	Development of intelligent foot with six-axis force/moment sensors for humanoid robot. , 2009, , .		1
151	Simulating overground turning in a VR-based linear treadmill. , 2013, , .		1
152	Vision-based control of a flying robot without linear velocity measurements. , 2015, , .		1
153	An Analytical Approach for Fast Recovery of the LSI Properties in Magnetic Particle Imaging. International Journal of Biomedical Imaging, 2016, 2016, 1-11.	3.0	1
154	Design of a haptic walker system based on cable driven actuator for lower limb rehabilitation. , 2017, , .		1
155	Sensitivity Analysis in 3D Manipulation of Biological Nanoparticles. Journal of Nanoscience and Nanotechnology, 2017, 17, 5205-5208.	0.9	1
156	Design of Suspended Cable-Driven Parallel Robot with Series Elastic Actuator for 3-DOF Body Weight Support System. , 2021, , .		1
157	Studies on Aggregated Nanoparticles Steering during Deep Brain Membrane Crossing. Nanomaterials, 2021, 11, 2754.	1.9	1
158	Control and VR Navigation of a Gait Rehabilitation Robot with Upper and Lower Limbs Connections. Journal of Institute of Control, Robotics and Systems, 2009, 15, 315-322.	0.1	1
159	A Maneuver Interface Scheme of a Hydraulic Backhoe Manipulator. Journal of Institute of Control, Robotics and Systems, 2010, 16, 346-352.	0.1	1
160	Haptic Support for Improved Task Guidance in a 3D Virtual Aircraft Maintenance Environment based on an Intelligent Assembly Planning Algorithm. , 2011, , .		1
161	Development of an Assistant Robot for use in Hot Forging Work Sites and Its Performance Evaluations using Electromyographic Signals. Journal of Institute of Control, Robotics and Systems, 2015, 21, 427-433.	0.1	1
162	Development of a Wearable Haptic Feedback System for Limb Movement Symmetry Training. Biosystems and Biorobotics, 2019, , 455-459.	0.2	1

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163	User-Interfaced Guidance Scheme for Steering Swarm of magnetic nanoparticles. , 2021, , .		1
164	<title>Immersive Kendo (Gum-do) game with an intelligent cyber fighter</title>. , 2003, 4756, 294.		0
165	Analysis of the Linearity and Shift Invariance Characteristics of the X-Space Magnetic Particle Imaging. Journal of Nanoscience and Nanotechnology, 2016, 16, 8683-8686.	0.9	0
166	A Novel Navigation Algorithm for Locomotion Interfaces with Programmable Platforms. Lecture Notes in Computer Science, 2006, , 610-617.	1.0	0
167	Optimal Design of a Novel Knee Orthosis using a Genetic Algorism. Journal of Institute of Control, Robotics and Systems, 2011, 17, 1021-1028.	0.1	0
168	Hybrid Potential Field Swarm Optimization Based Novel Targeted Drug Delivery System Using Drug Loaded Nano Carriers. Lecture Notes in Computer Science, 2012, , 333-343.	1.0	0
169	Speed Adaptation of a Small Size Treadmill Using Impedance Control Approach for Rehabilitation. Lecture Notes in Computer Science, 2013, , 165-176.	1.0	0
170	Optimal Kinematic Design of a Novel Robotic Knee Device for Gait Rehabilitation with Stance Control. Lecture Notes in Computer Science, 2013, , 188-203.	1.0	0
171	Development of an Active Gait Assistive Device with Haptic Information. Journal of Institute of Control, Robotics and Systems, 2015, 21, 553-559.	0.1	0
172	Development of the Omni Directional Treadmill Based on an Omni-Pulley Mechanism. Journal of Institute of Control, Robotics and Systems, 2017, 23, 566-573.	0.1	0
173	Guidance Scheme of Magnetic Nanoparticles with Artificial Potential Field. , 2021, , .		0
174	Development and Evaluation of a Gait Assistance System Based on Haptic Cane and Active Knee Orthosis. , 2022, , .		0
175	Control Scheme for Sideways Walking on a User-driven Treadmill. , 2022, , .		0