Jong-Wook Kim

List of Publications by Year
in descending order

55 papers	528 citations	933447 10 h-index	677142 22 g-index
56 all docs	56 docs citations	56 times ranked	561 citing authors

#	Article	IF	Citations
1	Collision-Free Navigation in Human-Following Task Using a Cognitive Robotic System on Differential Drive Vehicles. IEEE Transactions on Cognitive and Developmental Systems, 2023, 15, 78-87.	3.8	5
2	Development of an Autonomous Driving Smart Wheelchair for the Physically Weak. Applied Sciences (Switzerland), 2022, 12, 377.	2.5	10
3	Optimization of Solar/Fuel Cell Hybrid Energy System Using the Combinatorial Dynamic Encoding Algorithm for Searches (cDEAS). Energies, 2022, 15, 2779.	3.1	4
4	A Study on the Motion Control of 3D Printed Fingers. Fashion & Textile Research Journal, 2022, 24, 333-345.	0.6	2
5	Design of Chatbot Agent for Mitigation of User's Negative Emotion based on Cognitive Behavior Treatment. The Journal of Korean Institute of Information Technology, 2020, 18, 1-10.	0.3	0
6	Adaptive Particle Swarm Optimization Based on Kernel Support Vector Machine for Optimal Design of Synchronous Reluctance Motor. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	12
7	Genetic Algorithm With Species Differentiation Based on Kernel Support Vector Machine for Optimal Design of Wind Generator. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	5
8	A Comparative Study of Deep CNN in Forecasting and Classifying the Macronutrient Deficiencies on Development of Tomato Plant. Applied Sciences (Switzerland), 2019, 9, 1601.	2.5	70
9	Particle Swarm Optimization with Multiple Regression for Optimal Design of Interior Permanent Magnet Synchronous Motor. , 2019, , .		2
10	Particle Swarm Optimization Algorithm With Intelligent Particle Number Control for Optimal Design of Electric Machines. IEEE Transactions on Industrial Electronics, 2018, 65, 1791-1798.	7.9	104
11	Application of modified Asimov's laws to the agent of home service robot using state, operator, and result (Soar). International Journal of Advanced Robotic Systems, 2018, 15, 172988141878082.	2.1	4
12	Development of Differing Extent Mesh Adaptive Direct Search Applied for Optimal Design of Spoke-Type PMSM. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	2
13	Distance-Based Intelligent Particle Swarm Optimization for Optimal Design of Permanent Magnet Synchronous Machine. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	27
14	Hybridization Algorithm of Fireworks Optimization and Generating Set Search for Optimal Design of IPMSM. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	8
15	Principal Component Optimization With Mesh Adaptive Direct Search for Optimal Design of IPMSM. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	5
16	Global-Simplex Optimization Algorithm Applied to FEM-Based Optimal Design of Electric Machine. IEEE Transactions on Magnetics, 2017, 53, 1-4.	2.1	15
17	Connecting motion control mobile robot and VR content. , 2017, , .		2
18	Application of soar cognitive agent based on utilitarian ethics theory for home service robots. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
19	Data interpolation based on neural network for optimal design of interior PM synchronous machine. , 2017, , .		2
20	Development of Universal Control Platform for High-frequency Induction Melting Furnace. The Journal of Korean Institute of Information Technology, 2017, 15, 91-97.	0.3	0
21	Principal component optimization with mesh adaptive direct search for optimal design of permanent magnet synchronous machine. , 2016, , .		0
22	Identification of In-Home Appliances through Analysis of Current Consumption. , 2016, , .		0
23	Distance based intelligent particle swarm optimization for optimal design of permanent magnet synchronous machine. , 2016, , .		1
24	A Monitoring System in Real Time based on Android Platform. , 2016, , .		0
25	Motion and Walking Stabilization of Humanoids Using Sensory Reflex Control. International Journal of Advanced Robotic Systems, 2016, 13, 77.	2.1	10
26	Genetic algorithm adopting building block identification applied to optimal design of IPMSM. , 2016, , .		2
27	Hybridization algorithm of fireworks optimization and generating set search for optimal design of IPMSM. , 2016, , .		0
28	A Novel Memetic Algorithm Using Modified Particle Swarm Optimization and Mesh Adaptive Direct Search for PMSM Design. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	47
29	Mass Ionized Particle Optimization Algorithm Applied to Optimal FEA-Based Design of Electric Machine. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	8
30	Search Region Management Method for Local Search Algorithm Employing Design Optimization of Brushless DC Motor. IEEE Transactions on Magnetics, 2016, 52, 1-6.	2.1	9
31	Interstellar Search Method With Mesh Adaptive Direct Search for Optimal Design of Brushless DC Motor. IEEE Transactions on Magnetics, 2016, 52, 1-4.	2.1	8
32	Optimal design of outer-rotor SPMSG for permanent magnet reduction using optimization method. , 2015, , .		1
33	Sensory reflex control of a humanoid robot using FSR sensor. , 2015, , .		0
34	Emotion expression of humanoid robot by modification of biped walking pattern. , 2015, , .		1
35	Posture adaptation of humanoid robot for standing on the inclined floor using inverse kinematics of the projective method. , 2014, , .		0
36	Online Joint Trajectory Generation of Human-like Biped Walking. International Journal of Advanced Robotic Systems, 2014, 11, 19.	2.1	10

#	Article	IF	Citations
37	Intelligent MADS With Clustering and Elastic Net and Its Application to Optimal Design of Interior PM Synchronous Machines. IEEE Transactions on Magnetics, 2013, 49, 2209-2212.	2.1	7
38	Min-Max Univariate Dynamic Encoding Algorithm for Searches (uDEAS) and Its Application to Optimal Design of Electric Machines. IEEE Transactions on Magnetics, 2013, 49, 2201-2204.	2.1	1
39	Application of particle swarm optimization to humanoid robot walking. , 2012, , .		0
40	Reflection of human's character into biped walking of the humanoid robot. , 2012, , .		0
41	Optimal Design of Interior PM Synchronous Machines Using Randomly Guided Mesh Adaptive Direct Search Algorithm. , 2012, , .		1
42	Optimal design of direct-driven PM wind generator using adaptive univariate dynamic encoding algorithm for searches (uDEAS). International Journal of Applied Electromagnetics and Mechanics, 2012, 38, 167-180.	0.6	3
43	Joint trajectory generation of humanoid robot's front kick. , 2011, , .		0
44	Intelligent Memetic Algorithm Using GA and Guided MADS for the Optimal Design of Interior PM Synchronous Machine. IEEE Transactions on Magnetics, 2011, 47, 1230-1233.	2.1	34
45	New Encoding Method of Parameter for Dynamic Encoding Algorithm for Searches (DEAS). IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 1804-1816.	0.3	1
46	Trajectory generation schemes for bipedal ascending and descending stairs using univariate dynamic encoding algorithm for searches (uDEAS). International Journal of Control, Automation and Systems, 2010, 8, 1061-1071.	2.7	10
47	Novel Memetic Algorithm implemented With GA (Genetic Algorithm) and MADS (Mesh Adaptive Direct) Tj ETQq1 1 0.784314 rgBT /O 1982-1985.	2.1	49
48	Parameter condition for global asymptotic stability of FAST TCP in the presence of cross traffics. IEEE Communications Letters, 2010, 14, 584-586.	4.1	6
49	Generation of optimal trajectories for ascending and descending a stair of a humanoid based on uDEAS. , 2009, , .		6
50	Global asymptotic stability of FAST TCP in the presence of link dynamics. International Journal of Control, Automation and Systems, 2009, 7, 809-816.	2.7	4
51	Digital Pattern Search and Its Hybridization with Genetic Algorithms for Bound Constrained Global Optimization. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2009, E92-A, 481-492.	0.3	0
52	On-Load Motor Parameter Identification Using Univariate Dynamic Encoding Algorithm for Searches. IEEE Transactions on Energy Conversion, 2008, 23, 804-813.	5.2	14
53	Development of a humanoid walking command system using a wireless haptic controller. , 2008, , .		2
54	Planning walking patterns of a biped robot with uDEAS optimization. , 2007, , .		5

#	Article	IF	Citations
55	On the Global Convergence of univariate-Dynamic Encoding Algorithm for Searches (uDEAS). , 2006, , .		2