

Kemalettin Erbatur

List of Publications by Year in descending order

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34
papers

455
citations

1307543

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34
all docs

34
docs citations

34
times ranked

321
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue Analysis Design Approach, Manufacturing and Implementation of a 500 kW Wind Turbine Main Load Frame. <i>Energies</i> , 2021, 14, 3581.	3.1	1
2	Hybrid Force-Motion Control for One-Legged Robot in Operational Space. , 2021, , .		1
3	Performance Analysis of a Pitch Angle Controller for 2MW Wind Turbine under Abrupt Wind Speed Conditions. , 2021, , .		0
4	Kinematic arrangement optimization of a quadruped robot with genetic algorithms. <i>Measurement and Control</i> , 2018, 51, 406-416.	1.8	5
5	A novel method for slip prediction of walking biped robots. <i>Robotica</i> , 2017, 35, 766-786.	1.9	4
6	An improved real-time adaptive Kalman filter with recursive noise covariance updating rules. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2016, 24, 524-540.	1.4	34
7	Joint friction estimation for walking bipeds. <i>Robotica</i> , 2016, 34, 1610-1629.	1.9	1
8	Mathematical models for FMS loading and part type selection with flexible process plans. <i>European Journal of Industrial Engineering</i> , 2015, 9, 171.	0.8	5
9	Fuzzy Control of Direct Drive Manipulators. <i>Studies in Systems, Decision and Control</i> , 2015, , 371-401.	1.0	0
10	An optimal estimation of feet contact distributed normal reaction forces of walking bipeds. , 2014, , .		0
11	Joint sensor fault detection and recovery based on virtual sensor for walking legged robots. , 2014, , .		9
12	Center of mass states and disturbance estimation for a walking biped. , 2013, , .		14
13	Ground reaction force sensor fault detection and recovery method based on virtual force sensor for walking biped robots. , 2013, , .		3
14	Simple Virtual Slip Force Sensor for walking biped robots. , 2013, , .		3
15	Humanoid robot orientation stabilization by shoulder joint motion during locomotion. , 2013, , .		3
16	Bipedal robot walking control on inclined planes by fuzzy reference trajectory modification. <i>Soft Computing</i> , 2012, 16, 1959-1976.	3.6	18
17	Circular arc-shaped walking trajectory generation for bipedal humanoid robots. , 2012, , .		3
18	Modeling and simulation of a horizontal axis Wind Turbine using S4WT. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
19	Zero Moment Point based pace reference generation for quadruped robots via preview control. , 2012, , .		11
20	Fuzzy controller scheduling for robotic manipulator force control. , 2012, , .		8
21	Humanoid robot walking control on inclined planes. , 2011, , .		10
22	Biped Robot Walking Control on Inclined Planes with Fuzzy Parameter Adaptation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 288-293.	0.4	5
23	Trajectory generation with natural ZMP references for the biped walking robot SURALP. , 2010, , .		9
24	SURALP: A new full-body humanoid robot platform. , 2009, , .		18
25	Fuzzy boundary layer tuning for sliding mode systems as applied to the control of a direct drive robot. Soft Computing, 2009, 13, 1099-1111.	3.6	10
26	Natural ZMP Trajectories for Biped Robot Reference Generation. IEEE Transactions on Industrial Electronics, 2009, 56, 835-845.	7.9	166
27	Walking Control of a Biped Robot on an Inclined Plane. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 254-259.	0.4	5
28	Visually Aided Force Control with Fuzzy Parameter Tuning. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 286-291.	0.4	0
29	SURALP-L - The leg module of a new humanoid robot platform. , 2008, , .		7
30	Fuzzy Boundary Layer Tuning as Applied to the Control of a Direct Drive Robot. , 2007, , .		5
31	An inverted pendulum based approach to biped trajectory generation with swing leg dynamics. , 2007, , .		12
32	Humanoid Walking Robot Control with Natural ZMP References. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	24
33	A human body searching strategy using a cable-driven robot with an electromagnetic wave direction finder at major disasters. Advanced Robotics, 2005, 19, 331-347.	1.8	10
34	Fuzzy adaptive sliding mode control of a direct drive robot. Robotics and Autonomous Systems, 1996, 19, 215-227.	5.1	49