Levent Cetin

List of Publications by Year
in descending order

27 papers	231 citations	933264 10 h-index	996849 15 g-index
29 all docs	29 docs citations	29 times ranked	307 citing authors

#	Article	IF	Citations
1	Dynamical electromagnetic actuation system for microscale manipulation. Robotica, 2022, 40, 3586-3603.	1.3	1
2	ROS Implementation for Untethered Microrobot Manipulation. Studies in Computational Intelligence, 2021, , 269-293.	0.7	0
3	3D Helmholtz Coil System Design for Measuring the Thermal Conductivity of Magnetic Nanofluids. , 2021, , .		0
4	A rotating permanent magnetic actuator for micropumping devices with magnetic nanofluids. Journal of Micromechanics and Microengineering, 2020, 30, 075012.	1.5	19
5	Close-Loop Control of Microrobot Within a Constrained Environment Using Electromagnet Pairs. Lecture Notes in Computer Science, 2019, , 1-9.	1.0	1
6	The effect of gold electrode thicknesses on electromechanical performance of Nafion-based Ionic Polymer Metal Composite actuators. Composites Part B: Engineering, 2019, 165, 747-753.	5.9	21
7	An Expert System Structure Proposal for Preliminary Design of Hydraulic Drive. , 2019, , .		0
8	Magnetic field dependent thermal conductivity measurements of magnetic nanofluids by 3ï‰ method. Journal of Magnetism and Magnetic Materials, 2019, 474, 199-206.	1.0	31
9	Electromagnet design for untethered actuation system mounted on robotic manipulator. Sensors and Actuators A: Physical, 2019, 285, 550-565.	2.0	13
10	Characterizationâ€‹ and â€‹analysis of â€‹mâ€‹otion â€‹mâ€‹echanismâ€‹ of electroactiveâ€‹ chitosan-based actuator. Carbohydrate Polymers, 2018, 181, 404-411.	5.1	13
11	Guided Motion Control Methodology for Microrobots. , 2018, , .		5
12	Effect of the Coil Shape on Magnetic Field of an Electromagnet for Contactless Power Transmission to Microrobots. Mechanisms and Machine Science, 2018, , 240-248.	0.3	0
13	Electromechanical characterization of multilayer graphene-reinforced cellulose composite containing 1-ethyl-3-methylimidazolium diethylphosphonate ionic liquid. Science and Engineering of Composite Materials, 2017, 24, 289-295.	0.6	7
14	Adaptive state feedback controller design for a rotary series elastic actuator. Transactions of the Institute of Measurement and Control, 2017, 39, 61-74.	1.1	14
15	Ferrofluid Plug Actuation for Micro Pumping Systems. Key Engineering Materials, 2017, 750, 168-172.	0.4	1
16	Three omega probe with auto-zeroing. , 2016, , .		0
17	Positioning with standart communication metrics without initial position information. , 2016, , .		0
18	Electromechanical performance of chitosan-based composite electroactive actuators. Composites Science and Technology, 2016, 129, 108-115.	3.8	23

#	Article	IF	Citations
19	Effects of PEG loading on electromechanical behavior of cellulose-based electroactive composite. Cellulose, 2015, 22, 1873-1881.	2.4	15
20	Improvement of the electromechanical performance of carboxymethylcellulose-based actuators by graphene nanoplatelet loading. Cellulose, 2015, 22, 3251-3260.	2.4	14
21	Electroactive behavior of graphene nanoplatelets loaded cellulose composite actuators. Composites Part B: Engineering, 2015, 69, 369-377.	5.9	42
22	Investigation of the effects of PWM parameters on ionic polymer metal composite actuators. Smart Materials and Structures, 2014, 23, 095024.	1.8	2
23	Trajectory control of a bipedal robot using feed forward compensation methodology. International Journal of Mechatronics and Manufacturing Systems, 2011, 4, 185.	0.1	0
24	Modelling of an Under-Hip Prosthesis with Ankle and Knee Trajectory Control by Using Human Gait Analysis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 9668-9673.	0.4	1
25	Kinematic analysis of polycentric artificial knee joint. , 2009, , .		0
26	Design and control of a mobile manipulator with stereo vision guidance. International Journal of Mechatronics and Manufacturing Systems, 2009, 2, 369.	0.1	1
27	A computer controlled visual system for object classification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 101-104.	0.4	1