

# Levent Cetin

## List of Publications by Year in descending order

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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  | Electroactive behavior of graphene nanoplatelets loaded cellulose composite actuators. Composites Part B: Engineering, 2015, 69, 369-377.   | 5.9 | 42        |
| 2  | Magnetic field dependent thermal conductivity measurements of magnetic nanofluids by 3D method. Journal of Magnetism and Magnetic Materials, 2019, 474, 199-206.  | 1.0 | 31        |
| 3  | Electromechanical performance of chitosan-based composite electroactive actuators. Composites Science and Technology, 2016, 129, 108-115.   | 3.8 | 23        |
| 4  | 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        |
| 5  | A rotating permanent magnetic actuator for micropumping devices with magnetic nanofluids. Journal of Micromechanics and Microengineering, 2020, 30, 075012.   | 1.5 | 19        |
| 6  | Effects of PEG loading on electromechanical behavior of cellulose-based electroactive composite. Cellulose, 2015, 22, 1873-1881.  | 2.4 | 15        |
| 7  | Improvement of the electromechanical performance of carboxymethylcellulose-based actuators by graphene nanoplatelet loading. Cellulose, 2015, 22, 3251-3260.  | 2.4 | 14        |
| 8  | 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        |
| 9  | Characterization and analysis of motion mechanism of electroactive chitosan-based actuator. Carbohydrate Polymers, 2018, 181, 404-411.  | 5.1 | 13        |
| 10 | Electromagnet design for untethered actuation system mounted on robotic manipulator. Sensors and Actuators A: Physical, 2019, 285, 550-565.   | 2.0 | 13        |
| 11 | 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         |
| 12 | Guided Motion Control Methodology for Microrobots. , 2018, , .  |     | 5         |
| 13 | Investigation of the effects of PWM parameters on ionic polymer metal composite actuators. Smart Materials and Structures, 2014, 23, 095024.  | 1.8 | 2         |
| 14 | A computer controlled visual system for object classification. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2003, 36, 101-104.  | 0.4 | 1         |
| 15 | Design and control of a mobile manipulator with stereo vision guidance. International Journal of Mechatronics and Manufacturing Systems, 2009, 2, 369.  | 0.1 | 1         |
| 16 | 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         |
| 17 | Ferrofluid Plug Actuation for Micro Pumping Systems. Key Engineering Materials, 2017, 750, 168-172.   | 0.4 | 1         |
| 18 | Close-Loop Control of Microrobot Within a Constrained Environment Using Electromagnet Pairs. Lecture Notes in Computer Science, 2019, , 1-9.  | 1.0 | 1         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Dynamical electromagnetic actuation system for microscale manipulation. Robotica, 2022, 40, 3586-3603.   | 1.3 | 1         |
| 20 | Kinematic analysis of polycentric artificial knee joint. , 2009, , .   |     | 0         |
| 21 | Trajectory control of a bipedal robot using feed forward compensation methodology. International Journal of Mechatronics and Manufacturing Systems, 2011, 4, 185.  | 0.1 | 0         |
| 22 | Three omega probe with auto-zeroing. , 2016, , .   |     | 0         |
| 23 | Positioning with standart communication metrics without initial position information. , 2016, , .  |     | 0         |
| 24 | An Expert System Structure Proposal for Preliminary Design of Hydraulic Drive. , 2019, , .   |     | 0         |
| 25 | 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         |
| 26 | ROS Implementation for Untethered Microrobot Manipulation. Studies in Computational Intelligence, 2021, , 269-293.   | 0.7 | 0         |
| 27 | 3D Helmholtz Coil System Design for Measuring the Thermal Conductivity of Magnetic Nanofluids. , 2021, , .   |     | 0         |