

Yunus Ziya Arslan

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

429
citations

933447
10
h-index

794594
19
g-index

50
all docs

50
docs citations

50
times ranked

474
citing authors

#	ARTICLE	IF	CITATIONS
1	MIMO fuzzy sliding mode controlled dual arm robot in load transportation. Journal of the Franklin Institute, 2011, 348, 1886-1902.	3.4	53
2	Comparative evaluation of EMG signal features for myoelectric controlled human arm prosthetics. Biocybernetics and Biomedical Engineering, 2017, 37, 326-335.	5.9	46
3	Musculoskeletal Simulation Tools for Understanding Mechanisms of Lower-Limb Sports Injuries. Current Sports Medicine Reports, 2019, 18, 210-216.	1.2	39
4	Prediction of externally applied forces to human hands using frequency content of surface EMG signals. Computer Methods and Programs in Biomedicine, 2010, 98, 36-44.	4.7	35
5	Load transportation by dual arm robot using sliding mode control. Journal of Mechanical Science and Technology, 2010, 24, 1177-1184.	1.5	33
6	Improving the ride comfort of vehicle passenger using fuzzy sliding mode controller. JVC/Journal of Vibration and Control, 2015, 21, 1667-1679.	2.6	25
7	A REVIEW OF FINITE ELEMENT APPLICATIONS IN ORAL AND MAXILLOFACIAL BIOMECHANICS. Journal of Mechanics in Medicine and Biology, 2018, 18, 1830002.	0.7	20
8	Prosthetic Hand Finger Control Using Fuzzy Sliding Modes. Journal of Intelligent and Robotic Systems: Theory and Applications, 2008, 52, 121-138.	3.4	16
9	Sliding Mode Control of a Finger for a Prosthetic Hand. JVC/Journal of Vibration and Control, 2007, 13, 733-749.	2.6	12
10	Biomechanical, histological, and radiological effects of different phosphodiesterase inhibitors on femoral fracture healing in rats. Journal of Orthopaedic Surgery, 2018, 26, 230949901877788.	1.0	11
11	Experimental investigation of biodynamic human body models subjected to whole-body vibration during a vehicle ride. International Journal of Occupational Safety and Ergonomics, 2019, 25, 530-544.	1.9	11
12	EXPERIMENTAL ASSESSMENT OF LUMPED-PARAMETER HUMAN BODY MODELS EXPOSED TO WHOLE BODY VIBRATION. Journal of Mechanics in Medicine and Biology, 2015, 15, 1550023.	0.7	10
13	Direct Validation of Model-Predicted Muscle Forces in the Cat Hindlimb During Locomotion. Journal of Biomechanical Engineering, 2020, 142, .	1.3	10
14	PREDICTION OF MUSCLE FORCES USING STATIC OPTIMIZATION FOR DIFFERENT CONTRACTILE CONDITIONS. Journal of Mechanics in Medicine and Biology, 2013, 13, 1350022.	0.7	9
15	EFFECTS OF HIGH-DOSE VITAMIN C AND HYALURONIC ACID ON TENDON HEALING. Acta Ortopedica Brasileira, 2018, 26, 82-85.	0.5	9
16	Effects of low molecular weight heparin and rivaroxaban on rat Achilles tendon healing. Eklem Hastalıkları Ve Cerrahisi = Joint Diseases & Related Surgery, 2018, 29, 13-19.	2.5	8
17	Design, Manufacture, and Selection of Ankle-Foot-Orthoses. , 2018, , 298-313.		7
18	Title is missing!. Journal of Medical and Biological Engineering, 2014, 34, 363.	1.8	6

#	ARTICLE	IF	CITATIONS
19	A quantitative skin impedance test to diagnose spinal cord injury. European Spine Journal, 2009, 18, 972-977.	2.2	5
20	COMPARATIVE EVALUATION OF THE MECHANICAL PROPERTIES OF RESORBABLE AND TITANIUM MINIPLATES USED FOR FIXATION OF MANDIBULAR CONDYLE FRACTURES. Journal of Mechanics in Medicine and Biology, 2015, 15, 1540032.	0.7	5
21	Gait Analysis of Patients Subjected to the Atrophic Mandible Augmentation with Iliac Bone Graft. Applied Bionics and Biomechanics, 2019, 2019, 1-9.	1.1	5
22	Exoskeletons, Exomusculatures, Exosuits: Dynamic Modeling and Simulation. , 2019, , 305-331.		4
23	Effect of Model Parameters on the Biomechanical Behavior of the Finite Element Cervical Spine Model. Applied Bionics and Biomechanics, 2021, 2021, 1-9.	1.1	4
24	Biomechanical assessment of patellar tendon advancement in patients with cerebral palsy and crouch gait. Knee, 2021, 32, 46-55.	1.6	4
25	General Perspectives on Electromyography Signal Features and Classifiers Used for Control of Human Arm Prosthetics. , 2018, , 492-504.		4
26	Comparison of the Data Classification Approaches to Diagnose Spinal Cord Injury. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-7.	1.3	3
27	Computer-Aided Design and Manufacturing of a Novel Maxillofacial Surgery Instrument: Application in the Sagittal Split Osteotomy. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.7	3
28	Biomechanical comparison of implantation approaches for the treatment of mandibular total edentulism. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2020, 234, 1139-1150.	1.8	3
29	Design of Patient-Specific Maxillofacial Implants and Guides. , 2021, , 121-131.		3
30	Fundamentals of 3D Printing and Its Applications in Biomedical Engineering. Materials Horizons, 2020, , 23-41.	0.6	3
31	Evaluation of the Fatigue in Human Arms via Electromyography Signals. , 0, , .		2
32	Fuzzy sliding mode control of a finger of a humanoid robot hand. Expert Systems, 2009, 26, 291-303.	4.5	2
33	A Soft+Rigid Hybrid Exoskeleton Concept in Scissors-Pendulum Mode: A Suit for Human State Sensing and an Exoskeleton for Assistance. , 2019, 2019, 518-523.		2
34	Force irradiation effect of kinesiotaping on contralateral muscle activation. Human Movement Science, 2019, 66, 310-317.	1.4	2
35	Biomechanical evaluation of resorbable and titanium miniplates and of single and double miniplates for the treatment of mandibular condyle fractures. Biocybernetics and Biomedical Engineering, 2019, 39, 709-718.	5.9	2
36	SENSITIVITY OF MODEL-PREDICTED MUSCLE FORCES OF PATIENTS WITH CEREBRAL PALSY TO VARIATIONS IN MUSCLE-TENDON PARAMETERS. Journal of Mechanics in Medicine and Biology, 2021, 21, 2150008.	0.7	2

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37	Evaluation of various design concepts in passive ankle-foot orthoses using finite element analysis. Engineering Science and Technology, an International Journal, 2021, 24, 1301-1307.	3.2	2
38	The Impact of Patellar Tendon Advancement on Knee Joint Moment and Muscle Forces in Patients with Cerebral Palsy. Life, 2021, 11, 944.	2.4	2
39	CHANGES IN BONE MINERAL DENSITY AFTER TOTAL KNEE ARTHROPLASTY. Acta Ortopedica Brasileira, 2020, 28, 247-250.	0.5	2
40	FINITE ELEMENT SPINE MODELS AND SPINAL INSTRUMENTS: A REVIEW. Journal of Mechanics in Medicine and Biology, 2022, 22, .	0.7	2
41	General Perspectives on Electromyography Signal Features and Classifiers Used for Control of Human Arm Prosthetics. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 1-17.	0.4	1
42	Estimation of the forces applied to human arm by EMG signals. , 0, , .		0
43	Evaluation of muscle force predictions using optimization theory. Journal of Physics: Conference Series, 2013, 410, 012118.	0.4	0
44	Development and validation of a computational musculoskeletal model of the cat hind limb. , 2015, , .		0
45	Mechanical evaluation of different fixation materials used for mandibular condyle fractures: Finite element analysis. , 2015, , .		0
46	Control of a Biomimetic Robot Hand Finger. Advances in Computational Intelligence and Robotics Book Series, 2015, , 475-499.	0.4	0
47	Object-Oriented Programming in Computer Science. , 2018, , 7470-7480.		0
48	A Novel Dorsal Trimline Approach for Passive-Dynamic Ankle-Foot Orthoses. Strojnicki Vestnik/Journal of Mechanical Engineering, 2018, 64, .	1.1	0
49	Serebral Palsili ĀçocuklarĀ±n YĀ¼rĀ¼me KarakteristiĀĖinin DeĀYerlendirilmesi. European Journal of Science and Technology, 0, , .	0.5	0