

Yunus Ziya Arslan

List of Publications by Year in descending order

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48
papers

429
citations

932766

10
h-index

794141

19
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all docs

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docs citations

50
times ranked

474
citing authors

#	ARTICLE	IF	CITATIONS
1	FINITE ELEMENT SPINE MODELS AND SPINAL INSTRUMENTS: A REVIEW. Journal of Mechanics in Medicine and Biology, 2022, 22, .	0.3	2
2	Design of Patient-Specific Maxillofacial Implants and Guides. , 2021, , 121-131.		3
3	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.	0.3	2
4	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.	2.0	2
5	Effect of Model Parameters on the Biomechanical Behavior of the Finite Element Cervical Spine Model. Applied Bionics and Biomechanics, 2021, 2021, 1-9.	0.5	4
6	The Impact of Patellar Tendon Advancement on Knee Joint Moment and Muscle Forces in Patients with Cerebral Palsy. Life, 2021, 11, 944.	1.1	2
7	Biomechanical assessment of patellar tendon advancement in patients with cerebral palsy and crouch gait. Knee, 2021, 32, 46-55.	0.8	4
8	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.	1.0	3
9	Direct Validation of Model-Predicted Muscle Forces in the Cat Hindlimb During Locomotion. Journal of Biomechanical Engineering, 2020, 142, .	0.6	10
10	Fundamentals of 3D Printing and Its Applications in Biomedical Engineering. Materials Horizons, 2020, , 23-41.	0.3	3
11	CHANGES IN BONE MINERAL DENSITY AFTER TOTAL KNEE ARTHROPLASTY. Acta Ortopedica Brasileira, 2020, 28, 247-250.	0.2	2
12	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
13	Force irradiation effect of kinesiotope on contralateral muscle activation. Human Movement Science, 2019, 66, 310-317.	0.6	2
14	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.	3.3	2
15	Gait Analysis of Patients Subjected to the Atrophic Mandible Augmentation with Iliac Bone Graft. Applied Bionics and Biomechanics, 2019, 2019, 1-9.	0.5	5
16	Exoskeletons, Exomusculatures, Exosuits: Dynamic Modeling and Simulation. , 2019, , 305-331.		4
17	Musculoskeletal Simulation Tools for Understanding Mechanisms of Lower-Limb Sports Injuries. Current Sports Medicine Reports, 2019, 18, 210-216.	0.5	39
18	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.	1.1	11

#	ARTICLE	IF	CITATIONS
19	General Perspectives on Electromyography Signal Features and Classifiers Used for Control of Human Arm Prosthetics. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2019, , 1-17.	0.3	1
20	A REVIEW OF FINITE ELEMENT APPLICATIONS IN ORAL AND MAXILLOFACIAL BIOMECHANICS. <i>Journal of Mechanics in Medicine and Biology</i> , 2018, 18, 1830002.	0.3	20
21	Biomechanical, histological, and radiological effects of different phosphodiesterase inhibitors on femoral fracture healing in rats. <i>Journal of Orthopaedic Surgery</i> , 2018, 26, 230949901877788.	0.4	11
22	EFFECTS OF HIGH-DOSE VITAMIN C AND HYALURONIC ACID ON TENDON HEALING. <i>Acta Ortopedica Brasileira</i> , 2018, 26, 82-85.	0.2	9
23	Design, Manufacture, and Selection of Ankle-Foot-Orthoses. , 2018, , 298-313.		7
24	General Perspectives on Electromyography Signal Features and Classifiers Used for Control of Human Arm Prosthetics. , 2018, , 492-504.		4
25	Effects of low molecular weight heparin and rivaroxaban on rat Achilles tendon healing. <i>Eklemleri Hastalıkları Ve Cerrahisi = Joint Diseases & Related Surgery</i> , 2018, 29, 13-19.	2.5	8
26	Object-Oriented Programming in Computer Science. , 2018, , 7470-7480.		0
27	Comparative evaluation of EMG signal features for myoelectric controlled human arm prosthetics. <i>Biocybernetics and Biomedical Engineering</i> , 2017, 37, 326-335.	3.3	46
28	Computer-Aided Design and Manufacturing of a Novel Maxillofacial Surgery Instrument: Application in the Sagittal Split Osteotomy. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2016, 10, .	0.4	3
29	Development and validation of a computational musculoskeletal model of the cat hind limb. , 2015, , .		0
30	Mechanical evaluation of different fixation materials used for mandibular condyle fractures: Finite element analysis. , 2015, , .		0
31	EXPERIMENTAL ASSESSMENT OF LUMPED-PARAMETER HUMAN BODY MODELS EXPOSED TO WHOLE BODY VIBRATION. <i>Journal of Mechanics in Medicine and Biology</i> , 2015, 15, 1550023.	0.3	10
32	COMPARATIVE EVALUATION OF THE MECHANICAL PROPERTIES OF RESORBABLE AND TITANIUM MINIPLATES USED FOR FIXATION OF MANDIBULAR CONDYLE FRACTURES. <i>Journal of Mechanics in Medicine and Biology</i> , 2015, 15, 1540032.	0.3	5
33	Improving the ride comfort of vehicle passenger using fuzzy sliding mode controller. <i>JVC/Journal of Vibration and Control</i> , 2015, 21, 1667-1679.	1.5	25
34	Control of a Biomimetic Robot Hand Finger. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2015, , 475-499.	0.4	0
35	Title is missing!. <i>Journal of Medical and Biological Engineering</i> , 2014, 34, 363.	1.0	6
36	PREDICTION OF MUSCLE FORCES USING STATIC OPTIMIZATION FOR DIFFERENT CONTRACTILE CONDITIONS. <i>Journal of Mechanics in Medicine and Biology</i> , 2013, 13, 1350022.	0.3	9

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37	Evaluation of muscle force predictions using optimization theory. Journal of Physics: Conference Series, 2013, 410, 012118.	0.3	0
38	Comparison of the Data Classification Approaches to Diagnose Spinal Cord Injury. Computational and Mathematical Methods in Medicine, 2012, 2012, 1-7.	0.7	3
39	MIMO fuzzy sliding mode controlled dual arm robot in load transportation. Journal of the Franklin Institute, 2011, 348, 1886-1902.	1.9	53
40	Load transportation by dual arm robot using sliding mode control. Journal of Mechanical Science and Technology, 2010, 24, 1177-1184.	0.7	33
41	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.	2.6	35
42	A quantitative skin impedance test to diagnose spinal cord injury. European Spine Journal, 2009, 18, 972-977.	1.0	5
43	Fuzzy sliding mode control of a finger of a humanoid robot hand. Expert Systems, 2009, 26, 291-303.	2.9	2
44	Prosthetic Hand Finger Control Using Fuzzy Sliding Modes. Journal of Intelligent and Robotic Systems: Theory and Applications, 2008, 52, 121-138.	2.0	16
45	Sliding Mode Control of a Finger for a Prosthetic Hand. JVC/Journal of Vibration and Control, 2007, 13, 733-749.	1.5	12
46	Estimation of the forces applied to human arm by EMG signals. , 0, , .		0
47	Evaluation of the Fatigue in Human Arms via Electromyography Signals. , 0, , .		2
48	Serebral Palsili ĀçocuklarĀ±n YĀ¼rĀ¼me KarakteristiĀĀinin DeĀĀerlendirilmesi. European Journal of Science and Technology, 0, , .	0.5	0