Osman Eroğul

List of Publications by Year
in descending order

		1163117	752698
55 papers	**631** citations	**8** h-index	**20** g-index
62 all docs	**62** docs citations	**62** times ranked	**705** citing authors

#	Article	IF	Citations
1	Effects of Electromagnetic Radiation from a Cellular Phone on Human Sperm Motility: An In Vitro Study. Archives of Medical Research, 2006, 37, 840-843.	3.3	208
2	Epileptic EEG detection using the linear prediction error energy. Expert Systems With Applications, 2010, 37, 5661-5665.	7.6	160
3	Efficient sleep spindle detection algorithm with decision tree. Expert Systems With Applications, 2009, 36, 9980-9985.	7.6	75
4	Down Syndrome Diagnosis Based on Gabor Wavelet Transform. Journal of Medical Systems, 2012, 36, 3205-3213.	3.6	39
5	Artificial Apnea Classification with Quantitative Sleep EEG Synchronization. Journal of Medical Systems, 2012, 36, 139-144.	3.6	30
6	Obstructive sleep apnea prediction from electrocardiogram scalograms and spectrograms using convolutional neural networks. Physiological Measurement, 2021, 42, 065010.	2.1	18
7	A new approach to urinary system dynamics problems: Evaluation and classification of uroflowmeter signals using artificial neural networks. Expert Systems With Applications, 2009, 36, 4891-4895.	7.6	15
8	Determination of initial electron parameters by means of Monte Carlo simulations for the Siemens Artiste Linac 6 MV photon beam. Reports of Practical Oncology and Radiotherapy, 2019, 24, 331-337.	0.6	12
9	Recognition of Down syndromes using image analysis. , 2009, , .		7
10	Classifying dysmorphic syndromes by using artificial neural network based hierarchical decision tree. Australasian Physical and Engineering Sciences in Medicine, 2018, 41, 451-461.	1.3	7
11	Lower limb phantom design and production for blood flow and pressure tests. The EuroBiotech Journal, 2017, 1, 278-284.	1.0	6
12	Automated temporal lobe epilepsy and psychogenic nonepileptic seizure patient discrimination from multichannel EEG recordings using DWT based analysis. Biomedical Signal Processing and Control, 2022, 77, 103755.	5.7	6
13	OBSTRUCTIVE SLEEP APNEA CLASSIFICATION WITH ARTIFICIAL NEURAL NETWORK BASED ON TWO SYNCHRONIC HRV SERIES. Biomedical Engineering - Applications, Basis and Communications, 2015, 27, 1550011.	0.6	5
14	Conventional and multi-state cellular neural networks in segmenting breast region from MR images: Performance comparison. , 2012, , .		4
15	A medical waste management model for public private partnership hospitals. , 2016, , .		4
16	Brain tumor detection and volume estimation via MR imaging. Journal of Biotechnology, 2015, 208, S15.	3.8	3
17	Analysis of water-equivalent materials used during irradiation in the clinic with XCOM and BEAMnrc. Journal of Radiation Research and Applied Sciences, 2019, 12, 455-459.	1.2	3
18	Epileptic Activity Detection in EEG Signals using Linear and Non-linear Feature Extraction Methods. , 2019, , .		3

#	Article	IF	Citations
19	Wireless Transmission of Heart Rate and Blood Pressure Measurements for Remote Patient Monitoring. , 2019, , .		3
20	Classification of sleep apnea types using EEG synchronization criteria. , 2010, , .		2
21	A clinical engineering approach for design and management of Central Sterilization Units. , 2015, , .		2
22	MR image segmentation and symmetry analysis for detection of brain tumors. Journal of Biotechnology, 2016, 231, S9.	3.8	2
23	Capacitive micromachined ultrasonic transducer: transmission performance evaluation under different driving parameters and membrane stress for underwater imaging applications. Microsystem Technologies, 2020, 26, 3601-3611.	2.0	2
24	Multi-Regional Adaptive Image Compression (AIC) for Hip Fractures in Pelvis Radiography. IFMBE Proceedings, 2017, , 61-67.	0.3	2
25	Classification of Brain Tumors via Deep Learning Models. , 2020, , .		2
26	Design of a Wireless Polysomnography System. , 2020, , .		2
27	Features extraction from respiration rate variability signals for apnea prediction. , 2015, , .		1
28	Classification of uroflowmetry and EMG signals of pediatric patients using Artificial Neural Networks. , 2017, , .		1
29	Segmentation of live and dead cells in tissue scaffolds. , 2018, , .		1
30	Investigating the Variation of Mental Fatigue and Attention Control of Obstructive Sleep Apnea Patients. , 2019, , .		1
31	Evaluation of CMUT Performance Under Different Excitation Signals and Electrode Coverage. , 2019, , .		1
32	Dysmorphic Syndromes Classification and Recognition with Computer Assisted System. , 2012, , .		1
33	The Quantitative Analysis of Uvulopalatal Flap Surgery. Journal of Turkish Sleep Medicine, 2017, 4, 6-15.	0.5	1
34	Analysis of respiration, oxygen saturation and acoustic signals of snoring patients. , 2009, , .		0
35	Does hypericin boost the efficacy of high-power laser? A preliminary experimental study on rats. Sao Paulo Medical Journal, 2014, 132, 348-352.	0.9	0
36	Automatic detection of snore episodes in paediatric population. , 2014, , .		0

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37	A medical decision support system based on Gabor fisher classifier for evaluation of Down syndrome affecteds. , 2014, , .		0
38	Detection of PC12 cell line proliferation on AAO membranes using image processing techniques. Journal of Biotechnology, 2015, 208, S16.	3.8	0
39	Measuring of displacement with image processing methods by using digital camera and laser pointer. , 2016, , .		0
40	City hospitals model in biomedical calibration service. , 2016, , .		0
41	Current applications in biomedical engineering. Journal of Biotechnology, 2016, 231, S9.	3.8	0
42	Computer-based method for measuring the anteversion of the acetabular component on pelvic radiographs. Journal of Biotechnology, 2017, 256, S30.	3.8	0
43	Development of lower limb phantoms for engineering and medical applications. Journal of Biotechnology, 2017, 256, S21.	3.8	0
44	Engineering solutions to sleep disorders. Journal of Biotechnology, 2017, 256, S10.	3.8	0
45	Ethics committee procedures for the development of medical devices. , 2017, , .		0
46	A New Device for Describing Physical Properties of Skin Under Tensile Stress. , 2018, , .		0
47	Smart tourniquet systems for military and civilian applications. Journal of Biotechnology, 2018, 280, S8.	3.8	0
48	Compressive Digital Receiver: First Performance Measurements. , 2019, , .		0
49	Investigation of ballistic gelatin based phantom models for computed tomography, x-ray and ultrasound imaging devices. , 2019, , .		0
50	Smart Tourniquet System for Military Use. IFMBE Proceedings, 2019, , 289-293.	0.3	0
51	Investigating EEG Based Marker for Diagnosis of Mathematical Difficulties. , 2020, , .		0
52	A Study On Finding The Optimal Time For Automatic Transition To Self-Driving Mode. , 2020, , .		0
53	Development of Invasive Blood Pressure Simulator Design for Testing and Calibrating. , 2020, , .		0
54	Does hypericin boost the efficacy of high-power laser? A preliminary experimental study on rats. Sao Paulo Medical Journal, 2014, 132, 348-52.	0.9	0

#	Article	IF	Citations
55	Development of Radiant Warmer Thermal Monitoring System to Improve Neonatal Patient Safety. , 2022, , 38-42.		0