Ghulam Rasool

List of Publications by Year
in descending order

28 papers	274 citations	1040056 9 h-index	1372567 10 g-index
30 all docs	30 docs citations	30 times ranked	305 citing authors

#	Article	IF	Citations
1	Brain Tumor Segmentation and Surveillance with Deep Artificial Neural Networks. , 2021, , 311-350.		6
2	The Case Against Sentiment Analysis for Natural Text. , 2021, , .		0
3	PremiUm-CNN: Propagating Uncertainty Towards Robust Convolutional Neural Networks. IEEE Transactions on Signal Processing, 2021, 69, 4669-4684.	5.3	14
4	Towards an Explainable Mortality Prediction Model. , 2020, , .		2
5	Using Deep Speech Recognition to Evaluate Speech Enhancement Methods. , 2020, , .		5
6	Self-Compression in Bayesian Neural Networks. , 2020, , .		2
7	Robust Learning via Ensemble Density Propagation in Deep Neural Networks. , 2020, , .		5
8	Bayes-SAR Net: Robust SAR Image Classification with Uncertainty Estimation Using Bayesian Convolutional Neural Network. , 2020, , .		10
9	Inception Modules Enhance Brain Tumor Segmentation. Frontiers in Computational Neuroscience, 2019, 13, 44.	2.1	37
10	Constrained particle filtering for movement identification in forearm prosthesis. Signal Processing, 2019, 161, 25-35.	3.7	9
11	Extended Variational Inference for Propagating Uncertainty in Convolutional Neural Networks. , 2019, , .		16
12	Hand Movement Discrimination Using Particle Filters. , 2018, , .		2
13	Shear Waves Reveal Viscoelastic Changes in Skeletal Muscles After Hemispheric Stroke. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 2006-2014.	4.9	15
14	A three-dimensional bin-packing model: exact multicriteria solution and computational complexity. Annals of Operations Research, 2017, 251, 397-427.	4.1	6
15	Spatial Analysis of Multichannel Surface EMG in Hemiplegic Stroke. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 1802-1811.	4.9	29
16	EMG-Controlled Transradial Prostheses - An Investigation into Machine Learning Techniques. International Journal of Computer Applications, 2017, 174, 1-8.	0.2	10
17	Altered viscoelastic properties of stroke-affected muscles estimated using ultrasound shear waves â€" Preliminary data. , 2016, 2016, 2869-2872.		7
18	Using surface electromyography to detect changes in innervation zones pattern after human cervical spinal cord injury. , 2016, 2016, 3757-3760.		5

#	Article	IF	Citations
19	Real-Time Task Discrimination for Myoelectric Control Employing Task-Specific Muscle Synergies. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 98-108.	4.9	45
20	Spatial analysis of muscular activations in stroke survivors. , 2015, 2015, 6058-61.		4
21	Surface myoelectric signal classification using the AR-GARCH model. Biomedical Signal Processing and Control, 2014, 13, 327-336.	5.7	9
22	Neural drive estimation using the hypothesis of muscle synergies and the state-constrained Kalman filter. , 2013, , .		5
23	Inference of time-varying gene networks using constrained and smoothed Kalman filtering. , 2012, , .		1
24	Inference of genetic regulatory networks using regularized likelihood with covariance estimation. , 2012, , .		6
25	Myoelectric activity detection during a Sit-to-Stand movement using threshold methods. Computers and Mathematics With Applications, 2012, 64, 1473-1483.	2.7	9
26	Muscle activity detection from myoelectric signals based on the AR-GARCH model. , 2012, , .		7
27	Biomechanical sit-to-stand movement with physiological feedback latencies. , 2010, , .		4
28	Fuzzy biomechanical sit-to-stand movement with physiological feedback latencies. , 2010, , .		4