

Joseph L Betthausen

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

546
citations

1936888

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2272555

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14
all docs

14
docs citations

14
times ranked

712
citing authors

#	ARTICLE	IF	CITATIONS
1	Prosthesis with neuromorphic multilayered e-dermis perceives touch and pain. Science Robotics, 2018, 3, .	9.9	280
2	Limb Position Tolerant Pattern Recognition for Myoelectric Prosthesis Control with Adaptive Sparse Representations From Extreme Learning. IEEE Transactions on Biomedical Engineering, 2018, 65, 770-778.	2.5	81
3	Stable Responsive EMG Sequence Prediction and Adaptive Reinforcement With Temporal Convolutional Networks. IEEE Transactions on Biomedical Engineering, 2020, 67, 1707-1717.	2.5	39
4	Multi-Position Training Improves Robustness of Pattern Recognition and Reduces Limb-Position Effect in Prosthetic Control. Journal of Prosthetics and Orthotics, 2017, 29, 54-62.	0.2	24
5	Targeted transcutaneous electrical nerve stimulation for phantom limb sensory feedback. , 2017, 2017, .		23
6	Mapping of unknown environments using minimal sensing from a stochastic swarm. , 2014, , .		16
7	Biologically inspired multi-layered synthetic skin for tactile feedback in prosthetic limbs. , 2016, 2016, 4622-4625.		15
8	Unsupervised Learning and Adaptive Classification of Neuromorphic Tactile Encoding of Textures. , 2018, , .		15
9	Dynamic Texture Decoding Using a Neuromorphic Multilayer Tactile Sensor. , 2018, , .		15
10	WolfBot: A distributed mobile sensing platform for research and education. , 2014, , .		14
11	Stable Electromyographic Sequence Prediction During Movement Transitions using Temporal Convolutional Networks. , 2019, , .		14
12	Limb-position robust classification of myoelectric signals for prosthesis control using sparse representations. , 2016, 2016, 6373-6376.		6
13	Electrode-shift tolerant myoelectric movement-pattern classification using extreme learning for adaptive sparse representations. , 2017, , .		4