

Nicholas Kirsch

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

249
citations

1684188

5
h-index

2053705

5
g-index

10
all docs

10
docs citations

10
times ranked

179
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear model predictive control of functional electrical stimulation. Control Engineering Practice, 2017, 58, 319-331.	5.5	73
2	An adaptive low-dimensional control to compensate for actuator redundancy and FES-induced muscle fatigue in a hybrid neuroprosthesis. Control Engineering Practice, 2017, 59, 204-219.	5.5	47
3	Further Results on Predictor-Based Control of Neuromuscular Electrical Stimulation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 1095-1105.	4.9	44
4	A semi-active hybrid neuroprosthesis for restoring lower limb function in paraplegics. , 2014, 2014, 2557-60.		21
5	A Modified Dynamic Surface Controller for Delayed Neuromuscular Electrical Stimulation. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1755-1764.	5.8	18
6	Switching control of functional electrical stimulation and motor assist for muscle fatigue compensation. , 2016, , .		16
7	Dynamic surface control of neuromuscular electrical stimulation of a musculoskeletal system with activation dynamics and an input delay. , 2015, , .		10
8	Optimized Control of Different Actuation Strategies for FES and Orthosis Aided Gait. , 2013, , .		9
9	Model Predictive Control of a Feedback-Linearized Hybrid Neuroprosthetic System With a Barrier Penalty. Journal of Computational and Nonlinear Dynamics, 2019, 14, 101009-1010097.	1.2	8
10	Control of functional electrical stimulation in the presence of electromechanical and communication delays. , 2013, , .		3