

# Nicholas Kirsch

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10554524/publications.pdf>

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