

# Rachel Gehlhar

## List of Publications by Year in descending order

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8  
papers

423  
citations

2258059

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2272923

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all docs

8  
docs citations

8  
times ranked

633  
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural Multicontact Walking for Robotic Assistive Devices via Musculoskeletal Models and Hybrid Zero Dynamics. IEEE Robotics and Automation Letters, 2022, 7, 4283-4290.	5.1	4
2	Powered Prosthesis Locomotion on Varying Terrains: Model-Dependent Control With Real-Time Force Sensing. IEEE Robotics and Automation Letters, 2022, 7, 5151-5158.	5.1	3
3	Model-Based Adaptive Control of Transfemoral Prostheses: Theory, Simulation, and Experiments. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1174-1191.	9.3	15
4	Separable Control Lyapunov Functions With Application to Prostheses. , 2021, 5, 559-564.		10
5	Model-Dependent Prosthesis Control with Interaction Force Estimation. , 2021, , .		2
6	Estimate-to-State Stability for Hybrid Human-Prosthesis Systems. , 2021, , .		1
7	Biofuel-powered soft electronic skin with multiplexed and wireless sensing for human-machine interfaces. Science Robotics, 2020, 5, .	17.6	385
8	Data-driven Characterization of Human Interaction for Model-based Control of Powered Prostheses. , 2020, , .		3