

# Wei Xie

## List of Publications by Year in descending order

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15  
papers

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1307594

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1281871

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g-index

15  
all docs

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docs citations

15  
times ranked

101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Robust Motion Control of an Underactuated Hovercraft. IEEE Transactions on Control Systems Technology, 2019, 27, 2195-2208.	5.2	40
2	Adaptive Backstepping Control of a Quadcopter With Uncertain Vehicle Mass, Moment of Inertia, and Disturbances. IEEE Transactions on Industrial Electronics, 2022, 69, 549-559.	7.9	37
3	Robust Ride Height Control for Active Air Suspension Systems With Multiple Unmodeled Dynamics and Parametric Uncertainties. IEEE Access, 2019, 7, 59185-59199.	4.2	22
4	Adaptive vehicle posture and height synchronization control of active air suspension systems with multiple uncertainties. Nonlinear Dynamics, 2020, 99, 2109-2127.	5.2	21
5	Global Saturated Tracking Control of a Quadcopter With Experimental Validation. , 2021, 5, 169-174.		19
6	Robust Performance-Prescribed Attitude Control of Foldable Wave-Energy Powered AUV Using Optimized Backstepping Technique. IEEE Transactions on Intelligent Vehicles, 2023, 8, 1230-1240.	12.7	15
7	Design and experimental validation of a nonlinear controller for underactuated surface vessels. Nonlinear Dynamics, 2020, 102, 2563-2581.	5.2	13
8	Adaptive control with unknown mass estimation for a quadrotor-slung-load system. ISA Transactions, 2023, 133, 412-423.	5.7	9
9	Cooperative Path Following Control of Multiple Quadcopters With Unknown External Disturbances. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 667-679.	9.3	7
10	Nonlinear Ride Height Control of Active Air Suspension System with Output Constraints and Time-Varying Disturbances. Sensors, 2021, 21, 1539.	3.8	6
11	Saturated Backstepping-Based Tracking Control of a Quadrotor With Uncertain Vehicle Parameters and External Disturbances. , 2022, 6, 1634-1639.		6
12	Global Practical Tracking for a Hovercraft with Unmeasured Linear Velocity and Disturbances. IFAC-PapersOnLine, 2020, 53, 8959-8964.	0.9	4
13	Adaptive ride height controller design for vehicle active suspension systems with uncertain sprung mass and time-varying disturbance. International Journal of Robust and Nonlinear Control, 2022, 32, 5950-5966.	3.7	4
14	Path Following Controller Design for an Underactuated Hovercraft with External Disturbances. , 2019, , .		3
15	Trajectory Tracking Control of an Underactuated Autonomous Surface Craft in the Presence of Environmental Disturbances. , 2019, , .		0