

# Weihong Wang

## List of Publications by Year in descending order

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33  
papers

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citations

932766

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docs citations

33  
times ranked

263  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel extended state observer. ISA Transactions, 2015, 58, 309-317.	3.1	73
2	Guidance law against maneuvering targets with intercept angle constraint. ISA Transactions, 2014, 53, 1332-1342.	3.1	65
3	Impact angle constrained three-dimensional integrated guidance and control for STT missile in the presence of input saturation. ISA Transactions, 2016, 64, 151-160.	3.1	36
4	A novel guidance law using fast terminal sliding mode control with impact angle constraints. ISA Transactions, 2016, 64, 12-23.	3.1	33
5	Hyperbolic tangent function weighted optimal intercept angle guidance law. Aerospace Science and Technology, 2018, 78, 604-619.	2.5	33
6	Adaptive nonsingular terminal sliding mode guidance law against maneuvering targets with impact angle constraint. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 867-890.	0.7	22
7	Impact Angle Constrained Three-Dimensional Integrated Guidance and Control Based on Fractional Integral Terminal Sliding Mode Control. IEEE Access, 2019, 7, 126857-126870.	2.6	21
8	Learning to Guide: Guidance Law Based on Deep Meta-Learning and Model Predictive Path Integral Control. IEEE Access, 2019, 7, 47353-47365.	2.6	20
9	Extended state observer based impact angle constrained guidance law for maneuvering target interception. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 2589-2607.	0.7	15
10	Robust Adaptive Control for Nonlinear Aircraft System with Uncertainties. Applied Sciences (Switzerland), 2020, 10, 4270.	1.3	11
11	Three-Dimensional Impact Angle Constrained Partial Integrated Guidance and Control With Finite-Time Convergence. IEEE Access, 2018, 6, 53833-53853.	2.6	10
12	Range-Aware Impact Angle Guidance Law With Deep Reinforcement Meta-Learning. IEEE Access, 2020, 8, 152093-152104.	2.6	10
13	Fast terminal sliding mode control based on extended state observer for swing nozzle of anti-aircraft missile. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2015, 229, 1103-1113.	0.7	7
14	Model Reference Adaptive Control for a Class of Aircraft with Actuator saturation. , 2018, , .		5
15	Neural Q Learning Algorithm based UAV Obstacle Avoidance. , 2018, , .		4
16	Three-dimensional integrated guidance and control for terminal angle constrained attack against ground maneuvering target. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 2393-2412.	0.7	4
17	A Hybrid CNN-LSTM Architecture for Path Planning of Mobile Robots in Unknow Environments. , 2020, , .		4
18	SIMU/Triple star sensors integrated navigation method of HALE UAV based on atmospheric refraction correction. Journal of Navigation, 2022, 75, 704-726.	1.0	4

#	ARTICLE	IF	CITATIONS
19	Trajectory optimization with obstacles avoidance via strong duality equivalent and hpâ€pseudospectral sequential convex programming. Optimal Control Applications and Methods, 2022, 43, 566-587.	1.3	4
20	Nonlinear attitude control of tiltrotor aircraft based on active disturbance rejection sliding mode method. , 2016, , .		3
21	Fixed-time cooperative guidance for multiple missiles with impact angle constraint. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2022, 236, 1984-1998.	0.7	3
22	Weapon-Target Assignment Based on Improved PSO Algorithm. , 2021, , .		3
23	The Optimal Sweep Angle Design of a Morphing Firebee Drone in a Cruise Mission. , 2021, , .		3
24	Nonlinear attitude control using extended state observer for tilt-rotor aircraft. , 2015, , .		2
25	An improved nonsingular fast terminal sliding mode guidance law with impact angle constraints. , 2017, , .		2
26	A Deep Reinforcement Learning Method for Mobile Robot Path Planning in Unknown Environments. , 2021, , .		2
27	Guidance law accounting for second-order dynamics of missile autopilot and impact angle constraints. , 2014, , .		1
28	L1adaptive output feedback controller for tilt-rotor aircraft. , 2016, , .		1
29	A novel guidance law using integral terminal sliding mode with impact angle constraint. , 2019, , .		1
30	Path Planning Algorithms for USVs via Deep Reinforcement Learning. , 2021, , .		1
31	Semantic segmentation with Recurrent Neural Networks on RGB-D videos. , 2019, , .		0
32	Macrosomia Prediction Based on Deep Learning Algorithm. , 2021, , .		0
33	Fixed time integrated guidance and control with impact angle constraint. , 2020, , .		0