

# Mien Van

## List of Publications by Year in descending order

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47  
papers

2,227  
citations

257450

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h-index

223800

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47  
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47  
docs citations

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times ranked

1860  
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite Time Fault Tolerant Control for Robot Manipulators Using Time Delay Estimation and Continuous Nonsingular Fast Terminal Sliding Mode Control. IEEE Transactions on Cybernetics, 2017, 47, 1681-1693.	9.5	332
2	An Adaptive Backstepping Nonsingular Fast Terminal Sliding Mode Control for Robust Fault Tolerant Control of Robot Manipulators. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1448-1458.	9.3	288
3	Bearing Defect Classification Based on Individual Wavelet Local Fisher Discriminant Analysis with Particle Swarm Optimization. IEEE Transactions on Industrial Informatics, 2016, 12, 124-135.	11.3	107
4	An Enhanced Robust Fault Tolerant Control Based on an Adaptive Fuzzy PID-Nonsingular Fast Terminal Sliding Mode Control for Uncertain Nonlinear Systems. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1362-1371.	5.8	107
5	Self-tuning fuzzy PID-nonsingular fast terminal sliding mode control for robust fault tolerant control of robot manipulators. ISA Transactions, 2020, 96, 60-68.	5.7	98
6	Adaptive Fuzzy Integral Sliding-Mode Control for Robust Fault-Tolerant Control of Robot Manipulators With Disturbance Observer. IEEE Transactions on Fuzzy Systems, 2021, 29, 1284-1296.	9.8	93
7	An enhanced tracking control of marine surface vessels based on adaptive integral sliding mode control and disturbance observer. ISA Transactions, 2019, 90, 30-40.	5.7	84
8	Robust Position Control of an Over-actuated Underwater Vehicle under Model Uncertainties and Ocean Current Effects Using Dynamic Sliding Mode Surface and Optimal Allocation Control. Sensors, 2021, 21, 747.	3.8	78
9	Robust Fault-Tolerant Control for a Class of Second-Order Nonlinear Systems Using an Adaptive Third-Order Sliding Mode Control. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, , 1-8.	9.3	69
10	Wavelet Kernel Local Fisher Discriminant Analysis With Particle Swarm Optimization Algorithm for Bearing Defect Classification. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 3588-3600.	4.7	61
11	Bearing fault diagnosis using non-local means algorithm and empirical mode decomposition-based feature extraction and two-stage feature selection. IET Science, Measurement and Technology, 2015, 9, 671-680.	1.6	60
12	Study on Dynamic Behavior of Unmanned Surface Vehicle-Linked Unmanned Underwater Vehicle System for Underwater Exploration. Sensors, 2020, 20, 1329.	3.8	54
13	A robust fault diagnosis and accommodation scheme for robot manipulators. International Journal of Control, Automation and Systems, 2013, 11, 377-388.	2.7	52
14	Robust fault tolerant control of robot manipulators with global fixed-time convergence. Journal of the Franklin Institute, 2021, 358, 699-722.	3.4	51
15	Rolling element bearing fault diagnosis based on non-local means denoising and empirical mode decomposition. IET Science, Measurement and Technology, 2014, 8, 571-578.	1.6	50
16	Adaptive neural integral sliding-mode control for tracking control of fully actuated uncertain surface vessels. International Journal of Robust and Nonlinear Control, 2019, 29, 1537-1557.	3.7	50
17	A new composite adaptive controller featuring the neural network and prescribed sliding surface with application to vibration control. Mechanical Systems and Signal Processing, 2018, 107, 409-428.	8.0	44
18	Fault Diagnosis and Fault-Tolerant Control of Uncertain Robot Manipulators Using High-Order Sliding Mode. Mathematical Problems in Engineering, 2016, 2016, 1-14.	1.1	37

#	ARTICLE	IF	CITATIONS
19	Bearing Fault Diagnosis Using a Particle Swarm Optimization-Least Squares Wavelet Support Vector Machine Classifier. <i>Sensors</i> , 2020, 20, 3422.	3.8	37
20	A novel neural second-order sliding mode observer for robust fault diagnosis in robot manipulators. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013, 14, 397-406.	2.2	33
21	Fault Diagnosis in Image-Based Visual Servoing With Eye-in-Hand Configurations Using Kalman Filter. <i>IEEE Transactions on Industrial Informatics</i> , 2016, 12, 1998-2007.	11.3	33
22	Two-stage feature selection for bearing fault diagnosis based on dual-tree complex wavelet transform and empirical mode decomposition. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2016, 230, 291-302.	2.1	32
23	A Deep Neural Network-Based Feature Fusion for Bearing Fault Diagnosis. <i>Sensors</i> , 2021, 21, 244.	3.8	31
24	Output feedback tracking control of uncertain robot manipulators via higher-order sliding-mode observer and fuzzy compensator. <i>Journal of Mechanical Science and Technology</i> , 2013, 27, 2487-2496.	1.5	27
25	Fault Estimation and Accommodation For Virtual Sensor Bias Fault in Image-Based Visual Servoing Using Particle Filter. <i>IEEE Transactions on Industrial Informatics</i> , 2018, 14, 1312-1322.	11.3	26
26	Robust fault-tolerant control for uncertain robot manipulators based on adaptive quasi-continuous high-order sliding mode and neural network. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2015, 229, 1425-1446.	2.1	25
27	A Bearing Fault Diagnosis Method Using Multi-Branch Deep Neural Network. <i>Machines</i> , 2021, 9, 345.	2.2	23
28	Backstepping quasi-continuous high-order sliding mode control for a Takagi-Sugeno fuzzy system with an application for a two-link robot control. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2014, 228, 1488-1500.	2.1	22
29	A novel fuzzy second-order sliding mode observer-controller for a T-S fuzzy system with an application for robot control. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013, 14, 1703-1711.	2.2	20
30	Robust control for vibration control systems with dead-zone band and time delay under severe disturbance using adaptive fuzzy neural network. <i>Journal of the Franklin Institute</i> , 2020, 357, 12281-12307.	3.4	20
31	Second Order Sliding Mode-Based Output Feedback Tracking Control for Uncertain Robot Manipulators. <i>International Journal of Advanced Robotic Systems</i> , 2013, 10, 16.	2.1	18
32	Higher-order terminal sliding mode controller for fault accommodation of Lipschitz second-order nonlinear systems using fuzzy neural network. <i>Applied Soft Computing Journal</i> , 2021, 104, 107186.	7.2	18
33	Adaptive fuzzy quasi-continuous high-order sliding mode controller for output feedback tracking control of robot manipulators. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2014, 228, 90-107.	2.1	16
34	Tracking control of uncertain surface vessels with global finite-time convergence. <i>Ocean Engineering</i> , 2021, 241, 109974.	4.3	16
35	Optimal adaptive neural PI full-order sliding mode control for robust fault tolerant control of uncertain nonlinear system. <i>European Journal of Control</i> , 2020, 54, 22-32.	2.6	14
36	A Novel Active Fault-Tolerant Tracking Control for Robot Manipulators with Finite-Time Stability. <i>Sensors</i> , 2021, 21, 8101.	3.8	13

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37	Novel quasi-continuous super-twisting high-order sliding mode controllers for output feedback tracking control of robot manipulators. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 3240-3257.	2.1	12
38	A Robust Observer-Based Control Strategy for n-DOF Uncertain Robot Manipulators with Fixed-Time Stability. Sensors, 2021, 21, 7084.	3.8	12
39	A new optimal sliding mode controller with adjustable gains based on Bolza-Meyer criterion for vibration control. Journal of Sound and Vibration, 2020, 485, 115542.	3.9	10
40	Rolling Element Bearing Fault Diagnosis Using Integrated Nonlocal Means Denoising with Modified Morphology Filter Operators. Mathematical Problems in Engineering, 2016, 2016, 1-14.	1.1	9
41	Sliding mode control of a class of underactuated system with non-integrable momentum. Journal of the Franklin Institute, 2020, 357, 9484-9504.	3.4	9
42	A New Switching Adaptive Fuzzy Controller with an Application to Vibration Control of a Vehicle Seat Suspension Subjected to Disturbances. Applied Sciences (Switzerland), 2021, 11, 2244.	2.5	9
43	Global finite-time cooperative control for multiple manipulators using integral sliding mode control. Asian Journal of Control, 2022, 24, 2862-2876.	3.0	9
44	Adaptive hierarchical sliding mode control for full nonlinear dynamics of uncertain rideable ballbots under input saturation. International Journal of Robust and Nonlinear Control, 2021, 31, 2882-2904.	3.7	8
45	A Novel Adaptive Gain of Optimal Sliding Mode Controller for Linear Time-Varying Systems. Applied Sciences (Switzerland), 2019, 9, 5050.	2.5	5
46	A novel switching adaptive control for randomly switching systems with an application to suspension systems. European Journal of Control, 2022, 65, 100635.	2.6	3
47	A robust detection and isolation scheme for incipient and abrupt faults in robot manipulator using neural network. , 2011, , .		2