

# Chih-Keng Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1972827/publications.pdf>

Version: 2024-02-01

31  
papers

349  
citations

759233

12  
h-index

839539

18  
g-index

31  
all docs

31  
docs citations

31  
times ranked

232  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibration Characteristics of Controllable Damping Ferrofluid Bearing. Tribology Transactions, 2022, 65, 55-65.	2.0	0
2	Development of Fixed-Wing UAV 3D Coverage Paths for Urban Air Quality Profiling. Sensors, 2022, 22, 3630.	3.8	5
3	Integrated Chassis Control and Control Allocation for All Wheel Drive Electric Cars with Rear Wheel Steering. Electronics (Switzerland), 2021, 10, 2885.	3.1	2
4	Diagnosis of ball-bearing faults using support vector machine based on the artificial fish-swarm algorithm. Journal of Low Frequency Noise Vibration and Active Control, 2020, 39, 954-967.	2.9	16
5	Model-Aided Wind Estimation Method for a Tail-Sitter Aircraft. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 1262-1278.	4.7	15
6	System Identification and Control for a Tail-Sitter Unmanned Aerial Vehicle in the Cruise Flight. IEEE Access, 2020, 8, 218348-218359.	4.2	7
7	Transition Optimization for a VTOL Tail-Sitter UAV. IEEE/ASME Transactions on Mechatronics, 2020, 25, 2534-2545.	5.8	36
8	Position control of a tail-sitter UAV using successive linearization based model predictive control. Control Engineering Practice, 2019, 91, 104125.	5.5	16
9	Modeling and Control of an Active Stabilizing Assistant System for a Bicycle. Sensors, 2019, 19, 248.	3.8	12
10	Design and implementation of a real-time hardware-in-the-loop testing platform for a dual-rotor tail-sitter unmanned aerial vehicle. Mechatronics, 2018, 56, 1-15.	3.3	24
11	Development of Model Predictive Controller for a Tail-Sitter VTOL UAV in Hover Flight. Sensors, 2018, 18, 2859.	3.8	40
12	Dynamic Modeling and Hardware-In-Loop Simulation for a Tail-Sitter Unmanned Aerial Vehicle in Hovering Flight. , 2017, , .		10
13	Design and Implementation of Model Predictive Control for a Gyroscopic Inverted Pendulum. Applied Sciences (Switzerland), 2017, 7, 1272.	2.5	19
14	Adaptive sliding mode control for a vehicle stability system. , 2015, , .		5
15	Modeling and Model Predictive Control for a Bicycle-Rider System. , 2015, , .		2
16	A control oriented model and application for control system design of a series hydraulic hybrid vehicle. , 2014, , .		2
17	A study of bicycle dynamics via system identification approaches. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2012, 35, 853-868.	1.1	5
18	Regenerative braking study for a hydraulic hybrid vehicle. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
19	Path Tracking Control of a Motorcycle Based on System Identification. IEEE Transactions on Vehicular Technology, 2011, 60, 2927-2935.	6.3	4
20	Sliding-mode control for the roll-angle tracking of an unmanned bicycle. Vehicle System Dynamics, 2011, 49, 915-930.	3.7	14
21	A study of bicycle dynamics via system identification. , 2010, , .		5
22	Speed-adaptive roll-angle-tracking control of an unmanned bicycle using fuzzy logic. Vehicle System Dynamics, 2010, 48, 133-147.	3.7	21
23	INPUT-STATE LINEARIZATION OF A ROTARY INVERTED PENDULUM. Asian Journal of Control, 2008, 6, 130-135.	3.0	8
24	A compensated-yaw-moment-based vehicle stability controller. , 2008, , .		3
25	Genetic Fuzzy Control for Path-Tracking of an Autonomous Robotic Bicycle. Journal of System Design and Dynamics, 2007, 1, 536-547.	0.3	16
26	PD-Type Iterative Learning Control for the Trajectory Tracking of a Pneumatic X-Y Table with Disturbances. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2006, 49, 520-526.	0.3	12
27	Fuzzy Control for Equilibrium and Roll-Angle Tracking of an Unmanned Bicycle. Multibody System Dynamics, 2006, 15, 321-346.	2.7	30
28	Turning dynamics and equilibrium of two-wheeled vehicles. Journal of Mechanical Science and Technology, 2005, 19, 377-387.	1.5	4
29	PD-type iterative learning control for trajectory tracking of a pneumatic X-Y table with disturbances. , 2004, , .		1
30	The Iterative Learning Control for the Position Tracking of the Hydraulic Cylinder. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2003, 46, 720-726.	0.3	7
31	Iterative learning control for position tracking of a pneumatic actuated X-Y table. , 0, , .		6