

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	Development of Model Predictive Controller for a Tail-Sitter VTOL UAV in Hover Flight. <i>Sensors</i> , 2018, 18, 2859.	3.8	40
2	Transition Optimization for a VTOL Tail-Sitter UAV. <i>IEEE/ASME Transactions on Mechatronics</i> , 2020, 25, 2534-2545.	5.8	36
3	Fuzzy Control for Equilibrium and Roll-Angle Tracking of an Unmanned Bicycle. <i>Multibody System Dynamics</i> , 2006, 15, 321-346.	2.7	30
4	Design and implementation of a real-time hardware-in-the-loop testing platform for a dual-rotor tail-sitter unmanned aerial vehicle. <i>Mechatronics</i> , 2018, 56, 1-15.	3.3	24
5	Speed-adaptive roll-angle-tracking control of an unmanned bicycle using fuzzy logic. <i>Vehicle System Dynamics</i> , 2010, 48, 133-147.	3.7	21
6	Design and Implementation of Model Predictive Control for a Gyroscopic Inverted Pendulum. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 1272.	2.5	19
7	Genetic Fuzzy Control for Path-Tracking of an Autonomous Robotic Bicycle. <i>Journal of System Design and Dynamics</i> , 2007, 1, 536-547.	0.3	16
8	Position control of a tail-sitter UAV using successive linearization based model predictive control. <i>Control Engineering Practice</i> , 2019, 91, 104125.	5.5	16
9	Diagnosis of ball-bearing faults using support vector machine based on the artificial fish-swarm algorithm. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2020, 39, 954-967.	2.9	16
10	Model-Aided Wind Estimation Method for a Tail-Sitter Aircraft. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020, 56, 1262-1278.	4.7	15
11	Sliding-mode control for the roll-angle tracking of an unmanned bicycle. <i>Vehicle System Dynamics</i> , 2011, 49, 915-930.	3.7	14
12	PD-Type Iterative Learning Control for the Trajectory Tracking of a Pneumatic X-Y Table with Disturbances. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , 2006, 49, 520-526.	0.3	12
13	Modeling and Control of an Active Stabilizing Assistant System for a Bicycle. <i>Sensors</i> , 2019, 19, 248.	3.8	12
14	Dynamic Modeling and Hardware-In-Loop Simulation for a Tail-Sitter Unmanned Aerial Vehicle in Hovering Flight. , 2017, , .		10
15	INPUT-STATE LINEARIZATION OF A ROTARY INVERTED PENDULUM. <i>Asian Journal of Control</i> , 2008, 6, 130-135.	3.0	8
16	The Iterative Learning Control for the Position Tracking of the Hydraulic Cylinder. <i>JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing</i> , 2003, 46, 720-726.	0.3	7
17	System Identification and Control for a Tail-Sitter Unmanned Aerial Vehicle in the Cruise Flight. <i>IEEE Access</i> , 2020, 8, 218348-218359.	4.2	7
18	Iterative learning control for position tracking of a pneumatic actuated X-Y table. , 0, , .		6

#	ARTICLE	IF	CITATIONS
19	A study of bicycle dynamics via system identification. , 2010, , .		5
20	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
21	Adaptive sliding mode control for a vehicle stability system. , 2015, , .		5
22	Development of Fixed-Wing UAV 3D Coverage Paths for Urban Air Quality Profiling. Sensors, 2022, 22, 3630.	3.8	5
23	Turning dynamics and equilibrium of two-wheeled vehicles. Journal of Mechanical Science and Technology, 2005, 19, 377-387.	1.5	4
24	Path Tracking Control of a Motorcycle Based on System Identification. IEEE Transactions on Vehicular Technology, 2011, 60, 2927-2935.	6.3	4
25	A compensated-yaw-moment-based vehicle stability controller. , 2008, , .		3
26	Regenerative braking study for a hydraulic hybrid vehicle. , 2011, , .		2
27	A control oriented model and application for control system design of a series hydraulic hybrid vehicle. , 2014, , .		2
28	Modeling and Model Predictive Control for a Bicycle-Rider System. , 2015, , .		2
29	Integrated Chassis Control and Control Allocation for All Wheel Drive Electric Cars with Rear Wheel Steering. Electronics (Switzerland), 2021, 10, 2885.	3.1	2
30	PD-type iterative learning control for trajectory tracking of a pneumatic X-Y table with disturbances. , 2004, , .		1
31	Vibration Characteristics of Controllable Damping Ferrofluid Bearing. Tribology Transactions, 2022, 65, 55-65.	2.0	0