

# Chung-Cheng Chen

## List of Publications by Year in descending order

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34  
papers

300  
citations

1039406

9  
h-index

940134

16  
g-index

34  
all docs

34  
docs citations

34  
times ranked

257  
citing authors

#	ARTICLE	IF	CITATIONS
1	Road-adaptive algorithm design of half-car active suspension system. Expert Systems With Applications, 2010, 37, 4392-4402.	4.4	42
2	Feedback Linearization Control and Its Application to MIMO Cancer Immunotherapy. IEEE Transactions on Control Systems Technology, 2010, 18, 953-961.	3.2	40
3	Stability and Almost Disturbance Decoupling Analysis of Nonlinear System Subject to Feedback Linearization and Feedforward Neural Network Controller. IEEE Transactions on Neural Networks, 2008, 19, 1220-1230.	4.8	29
4	Control of AMIRA™s ball and beam system via improved fuzzy feedback linearization approach. Applied Mathematical Modelling, 2010, 34, 3791-3804.	2.2	28
5	Fuzzy Feedback Linearization Control for MIMO Nonlinear System and Its Application to Full-Vehicle Suspension System. Circuits, Systems, and Signal Processing, 2009, 28, 959-991.	1.2	22
6	Novel fuzzy feedback linearization strategy for control via differential geometry approach. ISA Transactions, 2010, 49, 348-357.	3.1	15
7	Feedback Linearized Optimal Control Design for Quadrotor With Multi-Performances. IEEE Access, 2021, 9, 26674-26695.	2.6	13
8	Feedback linearization and feedforward neural network control with application to twin rotor mechanism. Transactions of the Institute of Measurement and Control, 2018, 40, 351-362.	1.1	12
9	A simple criterion for global stabilizability of a class of nonlinear singularly perturbed systems. International Journal of Control, 1994, 59, 583-591.	1.2	10
10	Feedback control of a class of nonlinear singularly perturbed systems with time delay. International Journal of Systems Science, 1996, 27, 589-596.	3.7	10
11	Disturbance attenuation of nonlinear control systems using an observer-based fuzzy feedback linearization control. Chaos, Solitons and Fractals, 2007, 33, 885-900.	2.5	10
12	Almost disturbance decoupling control of mimo nonlinear system subject to feedback linearization and a feedforward neural network: Application to half-car active suspension system. International Journal of Automotive Technology, 2010, 11, 581-592.	0.7	9
13	Global stabilization of non-linear singularly perturbed systems with fast actuators: exact design manifold approach. International Journal of Systems Science, 1994, 25, 753-762.	3.7	8
14	Tracking control of nonlinear automobile idle-speed time-delay system via differential geometry approach. Journal of the Franklin Institute, 2005, 342, 760-775.	1.9	7
15	New Method of Solving Complicated Operational Amplifier Systems and Application to Online Electrocardiograph. Sensors and Materials, 2019, 31, 1973.	0.3	6
16	New Method of State-Space Formulation for Degenerate Circuit and Coupling Circuit. Mathematical Problems in Engineering, 2019, 2019, 1-13.	0.6	5
17	Control Design of Nonlinear Spacecraft System Based on Feedback Linearization Approach. IEEE Access, 2020, 8, 116626-116641.	2.6	5
18	New method of finding Thevenin equivalent circuits for the transformer and partial ideal operational amplifier system. International Journal of Electrical Engineering and Education, 2022, 59, 282-303.	0.4	4

#	ARTICLE	IF	CITATIONS
19	New method of finding exact frequency response for feedback amplifiers. IET Circuits, Devices and Systems, 2020, 14, 819-829.	0.9	4
20	A new simple unifying approach of finding the state equation model and its practical application. Chaos, Solitons and Fractals, 2009, 42, 2464-2472.	2.5	3
21	Improvement of the Barkhausen criterion and the implementation of an intelligent function generator. Journal of Engineering, 2017, 2017, 126-138.	0.6	3
22	Global optimization control for nonlinear full-car active suspension system with multi-performances. IET Control Theory and Applications, 2021, 15, 1882-1905.	1.2	3
23	Invented global exponential stabilizable rule of some class of nonlinear control systems and its practical application. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1999, 46, 1504-1507.	0.1	2
24	Tracking Controller Design for Diving Behavior of an Unmanned Underwater Vehicle. Mathematical Problems in Engineering, 2013, 2013, 1-10.	0.6	2
25	New Method of Solving the Economic Complex Systems. Discrete Dynamics in Nature and Society, 2020, 2020, 1-26.	0.5	2
26	Exponential tracking of feedback linearizable non-linear control systems with uncertainties. International Journal of Control, 2000, 73, 1507-1515.	1.2	1
27	Tracking and Almost Disturbance Decoupling for Nonlinear Systems with Uncertainties. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2003, 46, 1100-1107.	0.3	1
28	Controller Design of Multiinput Multioutput Time-Delay Large-Scale System. Abstract and Applied Analysis, 2013, 2013, 1-11.	0.3	1
29	Observer-based feedback linearization control of multi-input multi-output nonlinear system and application to double rotor system. Advances in Mechanical Engineering, 2019, 11, 168781401984546.	0.8	1
30	New Method of Designing Controller for Uncertain Differential-Difference Systems and Application to Time-Delay Operational Amplifier System. Journal of Electrical Engineering and Technology, 2020, 15, 2785-2800.	1.2	1
31	New Method of Solving the Oscillation Criterion for Hartley Oscillator. Iranian Journal of Science and Technology - Transactions of Electrical Engineering, 0, , 1.	1.5	1
32	On Seismicity Driven Chaotic Model by DWT. Springer Proceedings in Physics, 2014, , 329-345.	0.1	0
33	Correction of traditional incorrect oscillation formula for the Wien-Bridge Oscillator. IET Circuits, Devices and Systems, 0, , .	0.9	0
34	New Method of Solving the Proper Rational Function and Application to Electrical Control System. Journal of Electrical Engineering and Technology, 0, , 1.	1.2	0