

# Juing-Shian Chiou

## List of Publications by Year in descending order

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27  
papers

193  
citations

1040056

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h-index

1125743

13  
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docs citations

27  
times ranked

189  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Stabilization and the Design of Switching Laws of a Class of Switched Singularly Perturbed Systems via the Composite Control. <i>Mathematics</i> , 2021, 9, 1664.   | 2.2 | 3         |
| 2  | Robust Stabilization and Observer-Based Stabilization for a Class of Singularly Perturbed Bilinear Systems. <i>Mathematics</i> , 2021, 9, 2380.   | 2.2 | 0         |
| 3  | Stability Analysis and Robust Stabilization of Uncertain Fuzzy Time-Delay Systems. <i>Mathematics</i> , 2021, 9, 2441.  | 2.2 | 2         |
| 4  | A fuzzy adaptive controller for cuckoo search algorithm in active suspension system. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2020, 39, 761-771.  | 2.9 | 10        |
| 5  | Detecting All Possible Ionospheric Precursors by Kernel-Based Two-Dimensional Principal Component Analysis. <i>IEEE Access</i> , 2019, 7, 53650-53666.  | 4.2 | 2         |
| 6  | Determining Neuronal Number in Each Hidden Layer Using Earthquake Catalogues as Training Data in Training an Embedded Back Propagation Neural Network for Predicting Earthquake Magnitude. <i>IEEE Access</i> , 2018, 6, 52582-52597. | 4.2 | 24        |
| 7  | PSO-Based Algorithm Applied to Quadcopter Micro Air Vehicle Controller Design. <i>Micromachines</i> , 2016, 7, 168.   | 2.9 | 14        |
| 8  | A Simple Interface for 3D Position Estimation of a Mobile Robot with Single Camera. <i>Sensors</i> , 2016, 16, 435.   | 3.8 | 10        |
| 9  | Particle swarm optimization algorithm reinforced fuzzy proportionalâ€”integralâ€”derivative for a quadrotor attitude control. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401666870.                                   | 1.6 | 10        |
| 10 | An Arduino-Based Resonant Cradle Design with Infant Cries Recognition. <i>Sensors</i> , 2015, 15, 18934-18949.  | 3.8 | 15        |
| 11 | GSA-Tuning IPD Control of a Field-Sensed Magnetic Suspension System. <i>Sensors</i> , 2015, 15, 31781-31793.  | 3.8 | 4         |
| 12 | Digital Control Analysis and Design of a Field-Sensed Magnetic Suspension System. <i>Sensors</i> , 2015, 15, 6174-6195.   | 3.8 | 4         |
| 13 | Performance Evaluation of Heart Sound Cancellation in FPGA Hardware Implementation for Electronic Stethoscope. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.  | 2.1 | 9         |
| 14 | Two-Dimensional Fuzzy Sliding Mode Control of a Field-Sensed Magnetic Suspension System. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-9.   | 1.1 | 2         |
| 15 | Applications of PCA and SVM-PSO Based Real-Time Face Recognition System. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-12.  | 1.1 | 14        |
| 16 | Design of Immune-Algorithm-Based Adaptive Fuzzy Controllers for Active Suspension Systems. <i>Advances in Mechanical Engineering</i> , 2014, 6, 916257.   | 1.6 | 8         |
| 17 | Attitude Control of a Single Tilt Tri-Rotor UAV System: Dynamic Modeling and Each Channel's Nonlinear Controllers Design. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-6.  | 1.1 | 19        |
| 18 | Robust Delay Independent Stability Analysis for the Switched Interval Time-Delay Systems with Time-Driven Switching Strategy. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-5.  | 1.1 | 0         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Adaptive classification and strategy making system for android soccer games. , 2012, , .   |     | 1         |
| 20 | Stability and stabilization of Takagi-Sugeno fuzzy switched system with time-delay. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2012, 226, 615-621. | 1.0 | 7         |
| 21 | SOMNN based object segmentation for soccer robot system using adaptive background generation. , 2011, , .  |     | 0         |
| 22 | The disturbance attenuation analysis of T-S fuzzy models using composite quadratic Lyapunov functions. , 2010, , .   |     | 0         |
| 23 | The optimization of the application of fuzzy ant colony algorithm in soccer robot. , 2009, , .   |     | 1         |
| 24 | ANFIS based Controller Design for Biped Robots. , 2007, , .  |     | 7         |
| 25 | Stabilization Analysis for a Class of Switched Discrete-time Systems. , 2006, , .  |     | 2         |
| 26 | A new D-stability criterion of multiparameter singularly perturbed discrete systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 1226-1230.  | 0.1 | 23        |
| 27 | System design and strategy integration for five-on-five robot soccer competition. , 0, , .   |     | 2         |