

Cheng-Long Chuang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

555
citations

840585

11
h-index

839398

18
g-index

30
all docs

30
docs citations

30
times ranked

598
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Sensing through the Abdomen of the Honey bee. <i>Scientific Reports</i> , 2016, 6, 23657.	1.6	40
2	ICT-based Remote Agro-Ecological Monitoring System A Case Study in Taiwan. <i>Journal of Communication Navigation Sensing and Services (CONASENSE)</i> , 2014, 1, 67-92.	0.2	2
3	Toward anticipating pest responses to fruit farms: Revealing factors influencing the population dynamics of the Oriental Fruit Fly via automatic field monitoring. <i>Computers and Electronics in Agriculture</i> , 2014, 109, 148-161.	3.7	21
4	Application of a web-based remote agro-ecological monitoring system for observing spatial distribution and dynamics of <i>Bactrocera dorsalis</i> in fruit orchards. <i>Precision Agriculture</i> , 2013, 14, 323-342.	3.1	29
5	Ecological Monitoring Using Wireless Sensor Networks—Overview, Challenges, and Opportunities. <i>Smart Sensors, Measurement and Instrumentation</i> , 2013, , 1-21.	0.4	16
6	Development of an Embedded System-Based Gateway for Environmental Monitoring in Wild Fields. <i>Smart Sensors, Measurement and Instrumentation</i> , 2013, , 23-42.	0.4	3
7	Energy-Efficient Visual Eyes System for Wildlife. , 2011, , .		3
8	Development of an embedded system-based gateway for environmental monitoring using wireless sensor network technology. , 2011, , .		12
9	Using automated monitoring systems to uncover pest population dynamics in agricultural fields. <i>Agricultural Systems</i> , 2011, 104, 666-670.	3.2	27
10	A Hybrid Framework for Fault Detection, Classification, and Location—Part I: Concept, Structure, and Methodology. <i>IEEE Transactions on Power Delivery</i> , 2011, 26, 1988-1998.	2.9	108
11	A Hybrid Framework for Fault Detection, Classification, and Location—Part II: Implementation and Test Results. <i>IEEE Transactions on Power Delivery</i> , 2011, 26, 1999-2008.	2.9	45
12	Inferring genetic interactions via a nonlinear model and an optimization algorithm. <i>BMC Systems Biology</i> , 2010, 4, 16.	3.0	21
13	A coverage-guaranteed algorithm to improve network lifetime of wireless sensor networks. <i>Procedia Engineering</i> , 2010, 5, 192-195.	1.2	15
14	WebPARE: web-computing for inferring genetic or transcriptional interactions. <i>Bioinformatics</i> , 2010, 26, 582-584.	1.8	11
15	An Adaptive Routing Algorithm Over Packet Switching Networks for Operation Monitoring of Power Transmission Systems. <i>IEEE Transactions on Power Delivery</i> , 2010, 25, 882-890.	2.9	65
16	A novel coverage-preserving algorithm with energy efficiency. , 2009, , .		1
17	Uncovering transcriptional interactions via an adaptive fuzzy logic approach. <i>BMC Bioinformatics</i> , 2009, 10, 400.	1.2	13
18	A robust correlation estimator and nonlinear recurrent model to infer genetic interactions in <i>Saccharomyces cerevisiae</i> and pathways of pulmonary disease in <i>Homo sapiens</i> . <i>BioSystems</i> , 2009, 98, 160-175.	0.9	2

#	ARTICLE	IF	CITATIONS
19	A Nonlinear Model and an Optimization Algorithm to Infer Genetic Interactions. , 2009, , .		0
20	A RSSI-based environmental-adaptive dynamic radiation power management for Wireless Sensor Networks. , 2008, , .		4
21	A pattern recognition approach to infer time-lagged genetic interactions. Bioinformatics, 2008, 24, 1183-1190.	1.8	34
22	Multiple disturbances classifier for electric signals using adaptive structuring neural networks. Measurement Science and Technology, 2008, 19, 075106.	1.4	9
23	GENECFE-ANFIS: A NEURO-FUZZY INFERENCE SYSTEM TO INFER GENE-GENE INTERACTIONS BASED ON RECOGNITION OF MICROARRAY GENE EXPRESSION PATTERNS. Biomedical Engineering - Applications, Basis and Communications, 2007, 19, 71-78.	0.3	4
24	An Adaptive PMU-based Fault Location Estimation System with a Fault-Tolerance and Load-Balancing Communication Network. , 2007, , .		12
25	Recognition of Multiple PQ Disturbances Using Wavelet-based Neural Networks— Part 2: Implementation and Applications. , 0, , .		5
26	Recognition of Multiple PQ Disturbances Using Dynamic Structure Neural Networks— Part 1: Theoretical Introduction. , 0, , .		6
27	A novel statistical cut-strategy for DP-based multiple biosequence alignment. , 0, , .		0
28	A Hybrid of ε-Constraint and Particle Swarm Optimization for Designing of PID Controllers. , 0, , .		0
29	A Novel Optimization Algorithm: Space Gravitational Optimization. , 0, , .		24
30	A Contour based Image Segmentation Algorithm using Morphological Edge Detection. , 0, , .		23