

Lun-Maan Chang

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

823
citations

586496

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563245

28
g-index

42
all docs

42
docs citations

42
times ranked

801
citing authors

#	ARTICLE	IF	CITATIONS
1	Physics-Based TCAD Simulation and Calibration of 600 V GaN/AlGaIn/GaN Device Characteristics and Analysis of Interface Traps. <i>Micromachines</i> , 2021, 12, 751.	1.4	5
2	Design and Implementation of Integral Backstepping Sliding Mode Control for Quadrotor Trajectory Tracking. <i>Processes</i> , 2021, 9, 1951.	1.3	8
3	Control of EMI in High-Technology Nano Fab by Exploitation Power Transmission Method with Ideal Permutation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11984.	1.3	2
4	An adjusted behavior-based safety program with the observation by front-line workers for mitigating construction accident rate. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2020, 43, 37-46.	0.6	8
5	A review of spectral analysis for low-frequency transient vibrations. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2020, , 146134842094200.	1.3	5
6	A Sensor Fusion Based Nonholonomic Wheeled Mobile Robot for Tracking Control. <i>Sensors</i> , 2020, 20, 7055.	2.1	5
7	Prediction of Air-Conditioning Energy Consumption in R&D Building Using Multiple Machine Learning Techniques. <i>Energies</i> , 2020, 13, 1847.	1.6	13
8	Dynamic Analysis of Construction Safety Risk and Visual Tracking of Key Factors based on Behavior-based Safety and Building Information Modeling. <i>KSCIE Journal of Civil Engineering</i> , 2019, 23, 4155-4167.	0.9	18
9	Human-visual-perception-like intensity recognition for color rust images based on artificial neural network. <i>Automation in Construction</i> , 2018, 90, 178-187.	4.8	15
10	New model to predict activated carbon filter performance at different inlet concentrations employing filter accelerated test. <i>Science and Technology for the Built Environment</i> , 2018, 24, 83-89.	0.8	0
11	Preparation of iron mesoporous catalysis from hazardous waste for acetone treatment. , 2018, , .		0
12	Extracting ground motion characteristics of distant earthquakes for mitigating displacement-sensitive equipment. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2018, 37, 859-880.	1.3	3
13	Hexamethyldisilazane Removal with Mesoporous Materials Prepared from Calcium Fluoride Sludge. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 3314-3319.	0.9	1
14	A Simple and Rapid Method to Detect Low-Concentration Boron and Phosphorus Contaminants in Cleanrooms. <i>IEEE Transactions on Semiconductor Manufacturing</i> , 2017, 30, 114-118.	1.4	0
15	A rapid tool for emission outlet concentration simulation of scrubber and make-up air unit at different inlet concentrations. <i>Building Services Engineering Research and Technology</i> , 2017, 38, 461-474.	0.9	2
16	Critical success factors for PPP infrastructure: perspective from Taiwan. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2017, 40, 370-377.	0.6	25
17	A new method for sampling low-volume AMCs in a front opening unified pod. <i>Microelectronic Engineering</i> , 2016, 166, 26-30.	1.1	2
18	Criticality index delay analysis method based on float allocation. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2015, 38, 887-896.	0.6	1

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19	A framework for an automated and integrated project scheduling and management system. Automation in Construction, 2013, 35, 89-110.	4.8	47
20	Enhanced xylene removal by photocatalytic oxidation using fiber-illuminated honeycomb reactor at ppb level. Journal of Hazardous Materials, 2013, 262, 717-725.	6.5	54
21	Automated steel bridge coating rust defect recognition method based on color and texture feature. Automation in Construction, 2013, 31, 338-356.	4.8	77
22	To mitigate airborne molecular contamination through ultra-pure air system. Building and Environment, 2013, 59, 153-163.	3.0	17
23	Active magnetic field canceling system. , 2013, , .		2
24	Ultra-pure air (UPA) for AMC control in nano-processing environment. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'uan, 2013, 36, 965-979.	0.6	2
25	Simulation and analytical techniques for construction resource planning and scheduling. Automation in Construction, 2012, 21, 99-113.	4.8	42
26	Support-vector-machine-based method for automated steel bridge rust assessment. Automation in Construction, 2012, 23, 9-19.	4.8	76
27	Active field canceling system in next generation nano-Fab. , 2011, , .		2
28	Illumination adjustment for bridge coating images using BEMD-Morphology Approach (BMA). Automation in Construction, 2010, 19, 475-484.	4.8	6
29	Box-and-Ellipse-Based ANFIS for Bridge Coating Assessment. Journal of Computing in Civil Engineering, 2010, 24, 389-398.	2.5	16
30	Automated bridge coating defect recognition using adaptive ellipse approach. Automation in Construction, 2009, 18, 632-643.	4.8	29
31	Automated recognition of surface defects using digital color image processing. Automation in Construction, 2006, 15, 540-549.	4.8	87
32	Prediction of Engineering Performance: A Neurofuzzy Approach. Journal of Construction Engineering and Management - ASCE, 2005, 131, 548-557.	2.0	50
33	Closure to "Statewide Performance Function for Steel Bridge Protection Systems" by Tarek M. Zayed, Luh-Maan Chang, and Jon D. Fricker. Journal of Performance of Constructed Facilities, 2004, 18, 63-64.	1.0	0
34	Artificial intelligence application to bridge painting assessment. Automation in Construction, 2003, 12, 431-445.	4.8	14
35	Object-Based Learning Method in Engineering. , 2003, , 1.		2
36	Evaluation of Performance of Bridge Deck Expansion Joints. Journal of Performance of Constructed Facilities, 2002, 16, 3-9.	1.0	60

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37	Application of Multiresolution Pattern Classification to Steel Bridge Coating Assessment. Journal of Computing in Civil Engineering, 2002, 16, 244-251.	2.5	19
38	Life-Cycle Cost Based Maintenance Plan for Steel Bridge Protection Systems. Journal of Performance of Constructed Facilities, 2002, 16, 55-62.	1.0	16
39	Life-Cycle Cost Analysis using Deterministic and Stochastic Methods: Conflicting Results. Journal of Performance of Constructed Facilities, 2002, 16, 63-74.	1.0	32
40	Intelligent Steel Bridge Coating Assessment Using Neuro-Fuzzy Recognition Approach. Computer-Aided Civil and Infrastructure Engineering, 2002, 17, 307-319.	6.3	15
41	BOT Financial Model: Taiwan High Speed Rail Case. Journal of Construction Engineering and Management - ASCE, 2001, 127, 214-222.	2.0	38
42	Intelligent Model for Constructed Facilities Surface Assessment. Journal of Construction Engineering and Management - ASCE, 2000, 126, 422-432.	2.0	7