

Ho-wen Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6069495/publications.pdf>

Version: 2024-02-01

48
papers

711
citations

623734

14
h-index

580821

25
g-index

50
all docs

50
docs citations

50
times ranked

853
citing authors

#	ARTICLE	IF	CITATIONS
1	User Integration in Two IoT Sustainable Services by Evaluation Grid Method. IEEE Internet of Things Journal, 2022, 9, 2242-2252.	8.7	2
2	A machine learning model for predicting PM2.5 and nitrate concentrations based on long-term water-soluble inorganic salts datasets at a road site station. Chemosphere, 2022, 289, 133123.	8.2	12
3	Warning Models for Landslide and Channelized Debris Flow under Climate Change Conditions in Taiwan. Water (Switzerland), 2022, 14, 695.	2.7	8
4	Impact assessment of river dust on regional air quality through integrated remote sensing and air quality modeling. Science of the Total Environment, 2021, 755, 142621.	8.0	13
5	Roles of socio-physical environments on air quality control policy with respect to knowledge, attitude and intention. Journal of Cleaner Production, 2021, 288, 125735.	9.3	2
6	Current advances and future challenges of AIoT applications in particulate matters (PM) monitoring and control. Journal of Hazardous Materials, 2021, 419, 126442.	12.4	27
7	Developing an ANN-based early warning model for airborne particulate matters in river banks areas. Expert Systems With Applications, 2021, 183, 115421.	7.6	3
8	Strategic Orientation, Environmental Management Systems, and Eco-Innovation: Investigating the Moderating Effects of Absorptive Capacity. Sustainability, 2021, 13, 12147.	3.2	9
9	A stochastic multi-objective optimization decision model for energy facility allocation: a case of liquefied petroleum gas station. Clean Technologies and Environmental Policy, 2020, 22, 389-398.	4.1	10
10	Impacts of socioeconomic changes on municipal solid waste characteristics in Taiwan. Resources, Conservation and Recycling, 2020, 161, 104931.	10.8	26
11	Implementation of a Respiratory Disease Forecasting Model Using LSTM for Central Taiwan. Lecture Notes in Electrical Engineering, 2020, , 441-450.	0.4	2
12	Correction to: Implementation of a Respiratory Disease Forecasting Model Using LSTM for Central Taiwan. Lecture Notes in Electrical Engineering, 2020, , C1-C1.	0.4	0
13	Redundancy analysis for characterizing the groundwater quality in coastal industrial areas. Environmental Forensics, 2019, 20, 77-91.	2.6	10
14	Strategic Orientation, Environmental Innovation Capability, and Environmental Sustainability Performance: The Case of Taiwanese Suppliers. Sustainability, 2019, 11, 1127.	3.2	40
15	Effects of environmental factors on benthic species in a coastal wetland by redundancy analysis. Ocean and Coastal Management, 2019, 169, 37-49.	4.4	17
16	Sustainable planning for a coastal wetland system with an integrated ANP and DPSIR model for conflict resolution. Wetlands Ecology and Management, 2018, 26, 1015-1036.	1.5	16
17	Adsorption characteristics of trace levels of bromate in drinking water by modified bamboo-based activated carbons. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2017, 52, 1055-1062.	1.7	3
18	Bio-inspired optimal site selection of LPG stations for gas-driven cars in an urban region. Journal of Natural Gas Science and Engineering, 2016, 35, 1301-1309.	4.4	2

#	ARTICLE	IF	CITATIONS
19	Accumulation of heavy metals and trace elements in fluvial sediments received effluents from traditional and semiconductor industries. <i>Scientific Reports</i> , 2016, 6, 34250.	3.3	74
20	Establishing Mechanism of Warning for River Dust Event Based on an Artificial Neural Network. <i>Lecture Notes in Computer Science</i> , 2016, , 51-60.	1.3	2
21	Capture of dioxin derivatives on activated carbons: breakthrough curve modelling and isotherm parameters. <i>International Journal of Environment and Pollution</i> , 2016, 60, 156.	0.2	0
22	Causal relationships among biological toxicity, geochemical conditions and derived DBPs in groundwater. <i>Journal of Hazardous Materials</i> , 2015, 283, 24-34.	12.4	12
23	Particles and Metallic Elements near a High-Tech Industrial Park: Analysis of Size Distributions. <i>Aerosol and Air Quality Research</i> , 2015, 15, 1787-1798.	2.1	3
24	Effects of extracellular polymeric substances on the bioaccumulation of mercury and its toxicity toward the cyanobacterium <i>Microcystis aeruginosa</i> . <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 1370-1379.	1.7	3
25	Biological toxicity of groundwater in a seashore area: Causal analysis and its spatial pollutant pattern. <i>Chemosphere</i> , 2014, 100, 8-15.	8.2	11
26	Determination of Topographic Factors to Initiate Debris Flow Using Statistical Analysis. <i>International Journal of Machine Learning and Computing</i> , 2014, 4, 547-552.	0.6	0
27	Modeling the dioxin emission of a municipal solid waste incinerator using neural networks. <i>Chemosphere</i> , 2013, 92, 258-264.	8.2	63
28	Systematic index frame for functional assessment of constructed wetlands. <i>Ocean and Coastal Management</i> , 2013, 73, 145-152.	4.4	5
29	Characterization of Particles in the Ambience of the High-Tech Industrial Park of Central Taiwan. <i>Aerosol and Air Quality Research</i> , 2013, 13, 699-708.	2.1	10
30	Sizing an Off-stream Reservoir with Respect to Water Availability, Water Quality, and Biological Integrity. <i>Environmental Modeling and Assessment</i> , 2010, 15, 329-344.	2.2	4
31	Exploring the background features of acidic and basic air pollutants around an industrial complex using data mining approach. <i>Chemosphere</i> , 2010, 81, 1358-1367.	8.2	9
32	Forecasting effluent quality of an industry wastewater treatment plant by evolutionary grey dynamic model. <i>Resources, Conservation and Recycling</i> , 2010, 54, 235-241.	10.8	19
33	Optimal safe groundwater yield for land conservation in a seashore area under uncertainty. <i>Resources, Conservation and Recycling</i> , 2010, 54, 481-488.	10.8	7
34	Environmental performance evaluation of large-scale municipal solid waste incinerators using data envelopment analysis. <i>Waste Management</i> , 2010, 30, 1371-1381.	7.4	50
35	Using fuzzy operators to address the complexity in decision making of water resources redistribution in two neighboring river basins. <i>Advances in Water Resources</i> , 2010, 33, 652-666.	3.8	44
36	Automobile gross emitter screening with remote sensing data using objective-oriented neural network. <i>Science of the Total Environment</i> , 2009, 407, 5811-5817.	8.0	3

#	ARTICLE	IF	CITATIONS
37	Simultaneously monitoring the particle size distribution, morphology and suspended solids concentration in wastewater applying digital image analysis (DIA). <i>Environmental Monitoring and Assessment</i> , 2009, 148, 19-26.	2.7	20
38	Application of pH-ORP titration to dynamically control the chlorination and dechlorination for wastewater reclamation. <i>Desalination</i> , 2009, 244, 164-176.	8.2	12
39	Dynamic control of disinfection for wastewater reuse applying ORP/pH monitoring and artificial neural networks. <i>Resources, Conservation and Recycling</i> , 2008, 52, 1015-1021.	10.8	25
40	Flooding probability of urban area estimated by decision tree and artificial neural networks. <i>Journal of Hydroinformatics</i> , 2008, 10, 57-67.	2.4	8
41	Analysis of Atmospheric Ozone Concentration Trends as Measured by Eighth Highest Values. <i>Aerosol and Air Quality Research</i> , 2008, 8, 308-318.	2.1	5
42	Optimizing the Monitoring Strategy of Wastewater Treatment Plants by Multiobjective Neural Networks Approach. <i>Environmental Monitoring and Assessment</i> , 2007, 125, 325-332.	2.7	4
43	DECISION SUPPORT FOR ALLOCATION OF WATERSHED POLLUTION LOAD USING GREY FUZZY MULTIOBJECTIVE PROGRAMMING. <i>Journal of the American Water Resources Association</i> , 2006, 42, 725-745.	2.4	15
44	Measurements of Wastewater True Color by 4/6 Wavelength Methods and Artificial Neural Network. <i>Environmental Monitoring and Assessment</i> , 2006, 118, 195-209.	2.7	7
45	Ambient BTEX and MTBE in the neighborhoods of different industrial parks in Southern Taiwan. <i>Journal of Hazardous Materials</i> , 2006, 128, 106-115.	12.4	67
46	Valuation of in-stream water quality improvement via fuzzy contingent valuation method. <i>Stochastic Environmental Research and Risk Assessment</i> , 2005, 19, 158-171.	4.0	13
47	Characterization of Both MTBE and BTEX in the Ambient Air of Night Markets in Southern Taiwan. <i>Aerosol and Air Quality Research</i> , 2005, 5, 154-170.	2.1	5
48	Evaluation of Non-point Source Loads in the Reservoir Watershed using the GIS/GPS/RS Information Technologies and Numerical Models. <i>Water International</i> , 2001, 26, 239-251.	1.0	9