

Tae-Young Heo

List of Publications by Year in descending order

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33
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575
citing authors

#	ARTICLE	IF	CITATIONS
1	Trends in the Approval and Quality Management of Artificial Intelligence Medical Devices in the Republic of Korea. <i>Diagnostics</i> , 2022, 12, 355.	2.6	3
2	Determination of the Habitat Preferences of Dominant Epilithic Diatoms Using Statistical Models: A Case Study in the Han River, South Korea. <i>Water (Switzerland)</i> , 2022, 14, 956.	2.7	2
3	Anomaly Detection with Feature Extraction Based on Machine Learning Using Hydraulic System IoT Sensor Data. <i>Sensors</i> , 2022, 22, 2479.	3.8	13
4	Changes in Soil Chemical Properties Due to Long-Term Compost Fertilization Regulate Methane Turnover Related Gene Abundances in Rice Paddy. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2652.	2.5	8
5	Evaluation of Odor Prediction Model Performance and Variable Importance according to Various Missing Imputation Methods. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2826.	2.5	4
6	Interpretation of ensemble learning to predict water quality using explainable artificial intelligence. <i>Science of the Total Environment</i> , 2022, 832, 155070.	8.0	54
7	Metagenomics approach and canonical correspondence analysis of novel nitrifiers and ammonia-oxidizing archaea in full scale anaerobic-anoxic-oxic (A2/O) and oxidation ditch processes. <i>Bioresource Technology</i> , 2021, 319, 124205.	9.6	16
8	Brassinosteroid-ER1/2-WAT1 module determines the high level of auxin signalling in vascular cambium during wood formation. <i>New Phytologist</i> , 2021, 230, 1503-1516.	7.3	23
9	Development of a Fundus Image-Based Deep Learning Diagnostic Tool for Various Retinal Diseases. <i>Journal of Personalized Medicine</i> , 2021, 11, 321.	2.5	21
10	Acoustic Scene Classification and Visualization of Beehive Sounds Using Machine Learning Algorithms and Grad-CAM. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-13.	1.1	10
11	Predictive model of geographical origin discrimination of paper mulberry and handmade paper using ICP-AES/MS and multivariate statistical analysis. <i>Journal of Cultural Heritage</i> , 2021, 49, 222-228.	3.3	8
12	Retraining prior state performances of anaerobic digestion improves prediction accuracy of methane yield in various machine learning models. <i>Applied Energy</i> , 2021, 298, 117250.	10.1	28
13	Ensemble Model Development for the Prediction of a Disaster Index in Water Treatment Systems. <i>Water (Switzerland)</i> , 2020, 12, 3195.	2.7	9
14	Universal inherent fluctuations in statistical counting of large particles in slurry used for semiconductor manufacturing. <i>Scientific Reports</i> , 2020, 10, 14731.	3.3	1
15	Clustering of Time Series Water Quality Data Using Dynamic Time Warping: A Case Study from the Bukhan River Water Quality Monitoring Network. <i>Water (Switzerland)</i> , 2020, 12, 2411.	2.7	14
16	Analysis of the Railway Accident-Related Damages in South Korea. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8769.	2.5	3
17	Development of a Deep-Learning-Based Artificial Intelligence Tool for Differential Diagnosis between Dry and Neovascular Age-Related Macular Degeneration. <i>Diagnostics</i> , 2020, 10, 261.	2.6	23
18	Comparison between Statistical Models and Machine Learning Methods on Classification for Highly Imbalanced Multiclass Kidney Data. <i>Diagnostics</i> , 2020, 10, 415.	2.6	28

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19	Prediction of Chlorophyll-a Concentrations in the Nakdong River Using Machine Learning Methods. <i>Water (Switzerland)</i> , 2020, 12, 1822.	2.7	54
20	Modulation of Synaptic Plasticity Mimicked in Al Nanoparticle-Embedded IGZO Synaptic Transistor. <i>Advanced Electronic Materials</i> , 2020, 6, 1901072.	5.1	47
21	The Prediction of Diatom Abundance by Comparison of Various Machine Learning Methods. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-13.	1.1	3
22	Algal Morphological Identification in Watersheds for Drinking Water Supply Using Neural Architecture Search for Convolutional Neural Network. <i>Water (Switzerland)</i> , 2019, 11, 1338.	2.7	33
23	Oral diabetes medication and risk of dementia in elderly patients with type 2 diabetes. <i>Diabetes Research and Clinical Practice</i> , 2019, 154, 116-123.	2.8	27
24	Safety Effects of Freeway Hard Shoulder Running. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3614.	2.5	7
25	Brassinosteroids facilitate xylem differentiation and wood formation in tomato. <i>Planta</i> , 2019, 249, 1391-1403.	3.2	25
26	Inhibition of Photosynthetic Activity in Wastewater-Borne Microalgal-Bacterial Consortia under Various Light Conditions. <i>Sustainability</i> , 2019, 11, 2951.	3.2	9
27	Evaluation of Hypertriglyceridemia as a Mediator Between Endocrine Diseases and Pancreatitis in Dogs. <i>Journal of the American Animal Hospital Association</i> , 2019, 55, 92-100.	1.1	14
28	Intervention analysis of the impact of opening a new railway line on passenger ridership in Seoul. <i>KSCE Journal of Civil Engineering</i> , 2016, 20, 2524-2534.	1.9	6
29	The Relationship between Smoking and Hemoglobin A1c in Adults without Diabetes Mellitus according to Body Mass Index. <i>Korean Journal of Family Practice</i> , 2016, 6, 339-345.	0.3	1
30	The Relationship between Gallbladder Polyps and Carotid Plaques in Healthy Adults. <i>Korean Journal of Family Practice</i> , 2016, 6, 535-539.	0.3	0
31	The Recency Period for Estimation of Human Immunodeficiency Virus Incidence by the AxSYM Avidity Assay and BED-Capture Enzyme Immunoassay in the Republic of Korea. <i>Osong Public Health and Research Perspectives</i> , 2014, 5, 187-192.	1.9	1
32	Randomized Response Group Testing Model. <i>Journal of Statistical Theory and Practice</i> , 2013, 7, 33-48.	0.5	4
33	An evaluation of the ramp metering effectiveness in reducing carbon dioxide emissions. <i>Simulation</i> , 2012, 88, 1368-1378.	1.8	4