

Tien-Thanh Le

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3163204/tien-thinh-le-publications-by-citations.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58 papers	1,483 citations	23 h-index	37 g-index
59 ext. papers	1,915 ext. citations	3.1 avg, IF	6.09 L-index

#	Paper	IF	Citations
58	A spatially explicit deep learning neural network model for the prediction of landslide susceptibility. <i>Catena</i> , 2020 , 188, 104451	5.8	115
57	Artificial Intelligence Approaches for Prediction of Compressive Strength of Geopolymer Concrete. <i>Materials</i> , 2019 , 12,	3.5	112
56	Development of artificial intelligence models for the prediction of Compression Coefficient of soil: An application of Monte Carlo sensitivity analysis. <i>Science of the Total Environment</i> , 2019 , 679, 172-184	10.2	90
55	A Sensitivity and Robustness Analysis of GPR and ANN for High-Performance Concrete Compressive Strength Prediction Using a Monte Carlo Simulation. <i>Sustainability</i> , 2020 , 12, 830	3.6	67
54	Development of advanced artificial intelligence models for daily rainfall prediction. <i>Atmospheric Research</i> , 2020 , 237, 104845	5.4	63
53	Hybrid Artificial Intelligence Approaches for Predicting Critical Buckling Load of Structural Members under Compression Considering the Influence of Initial Geometric Imperfections. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 2258	2.6	52
52	Improvement of ANFIS Model for Prediction of Compressive Strength of Manufactured Sand Concrete. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3841	2.6	51
51	Stochastic continuum modeling of random interphases from atomistic simulations. Application to a polymer nanocomposite. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016 , 303, 430-449	5.7	50
50	Hybrid Artificial Intelligence Approaches for Predicting Buckling Damage of Steel Columns Under Axial Compression. <i>Materials</i> , 2019 , 12,	3.5	47
49	Prediction and Sensitivity Analysis of Bubble Dissolution Time in 3D Selective Laser Sintering Using Ensemble Decision Trees. <i>Materials</i> , 2019 , 12,	3.5	47
48	Optimization of Artificial Intelligence System by Evolutionary Algorithm for Prediction of Axial Capacity of Rectangular Concrete Filled Steel Tubes under Compression. <i>Materials</i> , 2020 , 13,	3.5	44
47	Investigation and Optimization of the C-ANN Structure in Predicting the Compressive Strength of Foamed Concrete. <i>Materials</i> , 2020 , 13,	3.5	44
46	Development of an AI Model to Measure Traffic Air Pollution from Multisensor and Weather Data. <i>Sensors</i> , 2019 , 19,	3.8	44
45	Adaptive Network Based Fuzzy Inference System with Meta-Heuristic Optimizations for International Roughness Index Prediction. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4715	2.6	40
44	Flocculation-dewatering prediction of fine mineral tailings using a hybrid machine learning approach. <i>Chemosphere</i> , 2020 , 244, 125450	8.4	39
43	Development of Hybrid Artificial Intelligence Approaches and a Support Vector Machine Algorithm for Predicting the Marshall Parameters of Stone Matrix Asphalt. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3172	2.6	33
42	Extreme Learning Machine Based Prediction of Soil Shear Strength: A Sensitivity Analysis Using Monte Carlo Simulations and Feature Backward Elimination. <i>Sustainability</i> , 2020 , 12, 2339	3.6	33

41	Development of Hybrid Machine Learning Models for Predicting the Critical Buckling Load of I-Shaped Cellular Beams. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5458	2.6	33
40	Estimation of axial load-carrying capacity of concrete-filled steel tubes using surrogate models. <i>Neural Computing and Applications</i> , 2021 , 33, 3437-3458	4.8	33
39	Stochastic framework for modeling the linear apparent behavior of complex materials: Application to random porous materials with interphases. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2013 , 29, 773-782	2	32
38	Quantification of Uncertainties on the Critical Buckling Load of Columns under Axial Compression with Uncertain Random Materials. <i>Materials</i> , 2019 , 12,	3.5	31
37	Computational Hybrid Machine Learning Based Prediction of Shear Capacity for Steel Fiber Reinforced Concrete Beams. <i>Sustainability</i> , 2020 , 12, 2709	3.6	31
36	Soft computing based closed form equations correlating L and N-type Schmidt hammer rebound numbers of rocks. <i>Transportation Geotechnics</i> , 2021 , 29, 100588	4	23
35	Prediction of tensile strength of polymer carbon nanotube composites using practical machine learning method. <i>Journal of Composite Materials</i> , 2021 , 55, 787-811	2.7	23
34	A Novel Hybrid Model Based on a Feedforward Neural Network and One Step Secant Algorithm for Prediction of Load-Bearing Capacity of Rectangular Concrete-Filled Steel Tube Columns. <i>Molecules</i> , 2020 , 25,	4.8	21
33	Soft-computing techniques for prediction of soils consolidation coefficient. <i>Catena</i> , 2020 , 195, 104802	5.8	20
32	Optimization design of rectangular concrete-filled steel tube short columns with Balancing Composite Motion Optimization and data-driven model. <i>Structures</i> , 2020 , 28, 757-765	3.4	19
31	Surrogate Neural Network Model for Prediction of Load-Bearing Capacity of CFSS Members Considering Loading Eccentricity. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3452	2.6	17
30	Prediction of axial load capacity of rectangular concrete-filled steel tube columns using machine learning techniques. <i>Engineering With Computers</i> , 1	4.5	16
29	Practical machine learning-based prediction model for axial capacity of square CFST columns. <i>Mechanics of Advanced Materials and Structures</i> , 2020 , 1-16	1.8	15
28	Parametric Investigation of Particle Swarm Optimization to Improve the Performance of the Adaptive Neuro-Fuzzy Inference System in Determining the Buckling Capacity of Circular Opening Steel Beams. <i>Materials</i> , 2020 , 13,	3.5	15
27	Probabilistic modeling of surface effects in nano-reinforced materials. <i>Computational Materials Science</i> , 2021 , 186, 109987	3.2	15
26	Practical Hybrid Machine Learning Approach for Estimation of Ultimate Load of Elliptical Concrete-Filled Steel Tubular Columns under Axial Loading. <i>Advances in Civil Engineering</i> , 2020 , 2020, 1-19	1.3	13
25	Probabilistic investigation of the effect of stochastic imperfect interfaces in nanocomposites. <i>Mechanics of Materials</i> , 2020 , 151, 103608	3.3	12
24	Effects of variability in experimental database on machine-learning-based prediction of ultimate load of circular concrete-filled steel tubes. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 176, 109198	4.6	12

23	Development of user-friendly kernel-based Gaussian process regression model for prediction of load-bearing capacity of square concrete-filled steel tubular members. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021 , 54, 1	3.4	11
22	Applying Bayesian Optimization for Machine Learning Models in Predicting the Surface Roughness in Single-Point Diamond Turning Polycarbonate. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-16	1.1	11
21	Development of Deep Learning Model for the Recognition of Cracks on Concrete Surfaces. <i>Applied Computational Intelligence and Soft Computing</i> , 2021 , 2021, 1-10	2.7	10
20	An empirical model for bending capacity of defected pipe combined with axial load. <i>International Journal of Pressure Vessels and Piping</i> , 2021 , 191, 104368	2.4	10
19	Cost-Effective Approaches Based on Machine Learning to Predict Dynamic Modulus of Warm Mix Asphalt with High Reclaimed Asphalt Pavement. <i>Materials</i> , 2020 , 13,	3.5	9
18	Effect of temperature on the chloride binding capacity of cementitious materials. <i>Magazine of Concrete Research</i> , 2021 , 73, 771-784	2	9
17	Prediction of Ultimate Load of Rectangular CFST Columns Using Interpretable Machine Learning Method. <i>Advances in Civil Engineering</i> , 2020 , 2020, 1-16	1.3	8
16	STOCHASTIC REPRESENTATIONS AND STATISTICAL INVERSE IDENTIFICATION FOR UNCERTAINTY QUANTIFICATION IN COMPUTATIONAL MECHANICS 2015 ,		7
15	Evaluation of the ultimate eccentric load of rectangular CFSTs using advanced neural network modeling. <i>Engineering Structures</i> , 2021 , 248, 113297	4.7	7
14	Multiscale Analysis of Elastic Properties of Nano-Reinforced Materials Exhibiting Surface Effects. Application for Determination of Effective Shear Modulus. <i>Journal of Composites Science</i> , 2020 , 4, 172	3	7
13	Characterization of soybeans and calibration of their DEM input parameters. <i>Particulate Science and Technology</i> , 2021 , 39, 530-548	2	7
12	Artificial Intelligence-Based Model for the Prediction of Dynamic Modulus of Stone Mastic Asphalt. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5242	2.6	6
11	Development of artificial intelligence based model for the prediction of Young's modulus of polymer/carbon-nanotubes composites. <i>Mechanics of Advanced Materials and Structures</i> , 1-14	1.8	6
10	Morphology characterization of irregular particles using image analysis. Application to solid inorganic fertilizers. <i>Computers and Electronics in Agriculture</i> , 2018 , 147, 146-157	6.5	5
9	Nanoscale Effect Investigation for Effective Bulk Modulus of Particulate Polymer Nanocomposites Using Micromechanical Framework. <i>Advances in Materials Science and Engineering</i> , 2021 , 2021, 1-13	1.5	4
8	Development and Identification of Working Parameters for a Lychee Peeling Machine Combining Rollers and a Pressing Belt. <i>AgriEngineering</i> , 2019 , 1, 550-566	2.2	4
7	Prediction Model for Tensile Modulus of Carbon Nanotube/Polymer Composites. <i>Lecture Notes in Networks and Systems</i> , 2022 , 786-792	0.5	2
6	Numerical investigation of force transmission in granular media using discrete element method. <i>Vietnam Journal of Mechanics</i> ,	1.8	2

5	Investigation of force transmission, critical breakage force and relationship between micro-macroscopic behaviors of agricultural granular material in a uniaxial compaction test using discrete element method. <i>Particulate Science and Technology</i> , 1-18	2	2
4	Developing Geometric Error Compensation Software for Five-Axis CNC Machine Tool on NC Program Based on Artificial Neural Network. <i>Mechanisms and Machine Science</i> , 2022 , 541-548	0.3	2
3	Critical Buckling Load Evaluation of Functionally Graded Material Plate Using Gaussian Process Regression. <i>Lecture Notes in Networks and Systems</i> , 2022 , 286-292	0.5	1
2	Multiobjective Optimization of Surface Roughness and Tool Wear in High-Speed Milling of AA6061 by Machine Learning and NSGA-II. <i>Advances in Materials Science and Engineering</i> , 2022 , 2022, 1-21	1.5	1
1	Development and Identification of Working Parameters for Threshing Unit of Peanut Tuber Picking Machine. <i>Mechanisms and Machine Science</i> , 2022 , 313-323	0.3	