

Loke Kok Foong

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

2,437
citations

159585
30
h-index

233421
45
g-index

74
all docs

74
docs citations

74
times ranked

2094
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient Harris hawks-inspired image segmentation method. <i>Expert Systems With Applications</i> , 2020, 155, 113428.	7.6	130
2	An experimental study on characterization, stability and dynamic viscosity of CuO-TiO ₂ /water hybrid nanofluid. <i>Journal of Molecular Liquids</i> , 2020, 307, 112987.	4.9	121
3	Optimizing ANN models with PSO for predicting short building seismic response. <i>Engineering With Computers</i> , 2020, 36, 823-837.	6.1	107
4	Fuzzy-metaheuristic ensembles for spatial assessment of forest fire susceptibility. <i>Journal of Environmental Management</i> , 2020, 260, 109867.	7.8	103
5	A review: Recent advances in ultrasensitive and highly specific recognition aptasensors with various detection strategies. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 184-207.	7.5	94
6	Nature-inspired hybrid techniques of IWO, DA, ES, GA, and ICA, validated through a k-fold validation process predicting monthly natural gas consumption. <i>Energy and Buildings</i> , 2020, 217, 110023.	6.7	82
7	Weld orientation effects on the formability of tailor welded thin steel sheets. <i>Thin-Walled Structures</i> , 2020, 149, 106669.	5.3	80
8	Novel hybrids of adaptive neuro-fuzzy inference system (ANFIS) with several metaheuristic algorithms for spatial susceptibility assessment of seismic-induced landslide. <i>Geomatics, Natural Hazards and Risk</i> , 2019, 10, 1879-1911.	4.3	75
9	Predicting electrical power output of combined cycle power plants using a novel artificial neural network optimized by electrostatic discharge algorithm. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 198, 111405.	5.0	74
10	Stochastic scheduling of a renewable-based microgrid in the presence of electric vehicles using modified harmony search algorithm with control policies. <i>Sustainable Cities and Society</i> , 2020, 59, 102183.	10.4	67
11	Application of nonlocal strain–stress gradient theory and GDQEM for thermo-vibration responses of a laminated composite nanoshell. <i>Engineering With Computers</i> , 2021, 37, 3359-3374.	6.1	62
12	Applications of nano-materials in diverse dentistry regimes. <i>RSC Advances</i> , 2020, 10, 15430-15460.	3.6	62
13	Prediction of Flyrock in Mine Blasting: A New Computational Intelligence Approach. <i>Natural Resources Research</i> , 2020, 29, 609-623.	4.7	59
14	Nonlinear evolutionary swarm intelligence of grasshopper optimization algorithm and gray wolf optimization for weight adjustment of neural network. <i>Engineering With Computers</i> , 2021, 37, 1265-1275.	6.1	59
15	Sine cosine grey wolf optimizer to solve engineering design problems. <i>Engineering With Computers</i> , 2021, 37, 3123-3149.	6.1	57
16	Teaching–learning-based metaheuristic scheme for modifying neural computing in appraising energy performance of building. <i>Engineering With Computers</i> , 2021, 37, 3037-3048.	6.1	47
17	BaMnO ₃ nanostructures: Simple ultrasonic fabrication and novel catalytic agent toward oxygen evolution of water splitting reaction. <i>Ultrasonics Sonochemistry</i> , 2020, 61, 104829.	8.2	45
18	Thermal and Fluid Dynamics Performance of MWCNT-Water Nanofluid Based on Thermophysical Properties: An Experimental and Theoretical Study. <i>Scientific Reports</i> , 2020, 10, 5185.	3.3	45

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19	Numerical investigation of non-Newtonian blood flow within an artery with cone shape of stenosis in various stenosis angles. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 192, 105434.	4.7	45
20	The feasibility of Levenberg-Marquardt algorithm combined with imperialist competitive computational method predicting drag reduction in crude oil pipelines. <i>Journal of Petroleum Science and Engineering</i> , 2020, 185, 106634.	4.2	43
21	Numerical simulation of blood flow inside an artery under applying constant heat flux using Newtonian and non-Newtonian approaches for biomedical engineering. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 190, 105375.	4.7	43
22	Analysis and management of laminar blood flow inside a cerebral blood vessel using a finite volume software program for biomedical engineering. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 190, 105384.	4.7	42
23	Predicting Heating and Cooling Loads in Energy-Efficient Buildings Using Two Hybrid Intelligent Models. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3543.	2.5	41
24	Effective removal of organic pollution by using sonochemical prepared LaFeO ₃ perovskite under visible light. <i>Ultrasonics Sonochemistry</i> , 2020, 61, 104848.	8.2	38
25	Novel swarm-based approach for predicting the cooling load of residential buildings based on social behavior of elephant herds. <i>Energy and Buildings</i> , 2020, 206, 109579.	6.7	38
26	Genetic algorithm hybridized with multilayer perceptron to have an economical slope stability design. <i>Engineering With Computers</i> , 2021, 37, 3067-3078.	6.1	37
27	Feature validity during machine learning paradigms for predicting biodiesel purity. <i>Fuel</i> , 2020, 262, 116498.	6.4	36
28	Feasibility of a novel predictive technique based on artificial neural network optimized with particle swarm optimization estimating pullout bearing capacity of helical piles. <i>Engineering With Computers</i> , 2020, 36, 1315-1324.	6.1	35
29	Optimal modification of heating, ventilation, and air conditioning system performances in residential buildings using the integration of metaheuristic optimization and neural computing. <i>Energy and Buildings</i> , 2020, 214, 109866.	6.7	33
30	Hybridizing four wise neural-metaheuristic paradigms in predicting soil shear strength. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 156, 107576.	5.0	31
31	On the Thermal Performance of a Fractal Microchannel Subjected to Water and Kerosene Carbon Nanotube Nanofluid. <i>Scientific Reports</i> , 2020, 10, 7243.	3.3	31
32	Effect of adding TiO ₂ , SiO ₂ and graphene on of electrochemical hydrogen storage performance and coulombic efficiency of CoAl ₂ O ₄ spinel. <i>Journal of Alloys and Compounds</i> , 2020, 828, 154353.	5.5	30
33	Spatial Landslide Susceptibility Assessment Based on Novel Neural-Metaheuristic Geographic Information System Based Ensembles. <i>Sensors</i> , 2019, 19, 4698.	3.8	29
34	Predicting Heating Load in Energy-Efficient Buildings Through Machine Learning Techniques. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4338.	2.5	27
35	Novel Nature-Inspired Hybrids of Neural Computing for Estimating Soil Shear Strength. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4643.	2.5	26
36	Machine-Learning-Based Classification Approaches toward Recognizing Slope Stability Failure. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4638.	2.5	24

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37	Performance improvement of dye sensitized solar cells based on cadmium sulfide/S, N co doped carbon dots nanocomposites. <i>Journal of Molecular Liquids</i> , 2020, 301, 112413.	4.9	22
38	Slope Stability Monitoring Using Novel Remote Sensing Based Fuzzy Logic. <i>Sensors</i> , 2019, 19, 4636.	3.8	21
39	Predicting heat transfer rate of a ribbed triple-tube heat exchanger working with nanofluid using neural network enhanced by advanced optimization algorithms. <i>Powder Technology</i> , 2021, 381, 459-476.	4.2	21
40	Evaluation of tree-base data mining algorithms in land used/land cover mapping in a semi-arid environment through Landsat 8 OLI image; Shiraz, Iran. <i>Geomatics, Natural Hazards and Risk</i> , 2020, 11, 724-741.	4.3	20
41	Effects of SiC amount and morphology on the properties of TiB ₂ -based composites sintered by hot-pressing. <i>Ceramics International</i> , 2020, 46, 18813-18825.	4.8	20
42	Swarm-based analysis through social behavior of grey wolf optimization and genetic programming to predict friction capacity of driven piles. <i>Engineering With Computers</i> , 2021, 37, 1277-1293.	6.1	20
43	Application of Three Metaheuristic Techniques in Simulation of Concrete Slump. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4340.	2.5	19
44	Technical performance of co-addition of SiC particulates and SiC whiskers in hot-pressed TiB ₂ -based ultrahigh temperature ceramics. <i>Ceramics International</i> , 2020, 46, 19443-19451.	4.8	18
45	Early prediction of cooling load in energy-efficient buildings through novel optimizer of shuffled complex evolution. <i>Engineering With Computers</i> , 2020, , 1.	6.1	17
46	Two novel neural-evolutionary predictive techniques of dragonfly algorithm (DA) and biogeography-based optimization (BBO) for landslide susceptibility analysis. <i>Geomatics, Natural Hazards and Risk</i> , 2019, 10, 2429-2453.	4.3	16
47	Slope stability evaluation using neural network optimized by equilibrium optimization and vortex search algorithm. <i>Engineering With Computers</i> , 2022, 38, 1269-1283.	6.1	15
48	Two neural-metaheuristic techniques based on vortex search and backtracking search algorithms for predicting the heating load of residential buildings. <i>Engineering With Computers</i> , 2020, , 1.	6.1	14
49	Numerical study for blood rheology inside an artery: The effects of stenosis and radius on the flow behavior. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 193, 105457.	4.7	14
50	Study of Aqueous and Non-Aqueous Phase Liquid in Fractured Double-Porosity Soil Using Digital Image Processing. <i>Geologia Croatica</i> , 2018, 71, 55-63.	0.8	14
51	Computational modification of neural systems using a novel stochastic search scheme, namely evaporation rate-based water cycle algorithm: an application in geotechnical issues. <i>Engineering With Computers</i> , 2020, 37, 3347.	6.1	13
52	Laboratory and numerical analysis of geogrid encased stone columns. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 169, 108369.	5.0	13
53	Quick integrative optimizers for minimizing the error of neural computing in pan evaporation modeling. <i>Engineering With Computers</i> , 2022, 38, 1331-1347.	6.1	13
54	Spatial assessment of landslide risk using two novel integrations of neuro-fuzzy system and metaheuristic approaches; Ardabil Province, Iran. <i>Geomatics, Natural Hazards and Risk</i> , 2020, 11, 230-258.	4.3	12

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55	Feasibility of indirect measurement of bearing capacity of driven piles based on a computational intelligence technique. Measurement: Journal of the International Measurement Confederation, 2020, 156, 107577.	5.0	12
56	Hot pressing and microstructural characterization of SiC and TiN added TiB ₂ ceramics. Ceramics International, 2021, 47, 3946-3954.	4.8	12
57	Sintering and mechanical behavior of SiC and WC co-added TiC-based composites densified by hot-pressing. Ceramics International, 2021, 47, 6479-6486.	4.8	12
58	Synthesis of NiAl-WC composite by the thermal explosion of elemental powders. Ceramics International, 2020, 46, 15146-15151.	4.8	10
59	Environmental friendly approach for facile synthesis of graphene-like nanosheets for photocatalytic activity. Journal of Alloys and Compounds, 2020, 823, 153696.	5.5	9
60	Effect of SiC whisker on densification and mechanical properties of hot-pressed TiC-based composites. Ceramics International, 2020, 46, 27734-27741.	4.8	9
61	Densification behavior and mechanical properties of hot-pressed TiC-WC ceramics. Ceramics International, 2020, 46, 28316-28323.	4.8	9
62	Assessment of water resources quality of a karstic aquifer in the Southwest of Iran. Bulletin of Engineering Geology and the Environment, 2021, 80, 71-92.	3.5	9
63	Laboratory Investigation of LNAPL Migration in Double-Porosity Soil Under Fractured Condition Using Digital Image Analysis. Transport in Porous Media, 2018, 125, 521-542.	2.6	8
64	Development of Two Novel Hybrid Prediction Models Estimating Ultimate Bearing Capacity of the Shallow Circular Footing. Applied Sciences (Switzerland), 2019, 9, 4594.	2.5	8
65	A new real-time monitoring technique in calculation of the p-y curve of single thin steel piles considering the influence of driven energy and using strain gauge sensors. Measurement: Journal of the International Measurement Confederation, 2020, 153, 107365.	5.0	8
66	Soft computing method for predicting pressure drop reduction in crude oil pipelines based on machine learning methods. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	8
67	Determination of the friction capacity of driven piles using three sophisticated search schemes. Engineering With Computers, 2020, , 1.	6.1	7
68	Recent advances in O-formylation of alcohols and phenols using efficient catalysts in eco-friendly media. Synthetic Communications, 2020, 50, 2132-2155.	2.1	4
69	EXPERIMENTAL STUDY ON UNSATURATED DOUBLE-POROSITY SOIL PHENOMENA UNDER VIBRATION EFFECT. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.4	3
70	Computer Modeling Approach of Leachate Flow in Compacted Laterite Soil Liner. MATEC Web of Conferences, 2018, 250, 01001.	0.2	3
71	An experimental/numerical hydrothermal analysis on natural convection and TiO ₂ -SiO ₂ /W-EG nanofluid's properties in a hollow/finned cavity. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 4563-4581.	2.8	3
72	Vibration effect influence upon non-aqueous phase liquid migration in double-porosity soil. Geologia Croatica, 2018, 71, 163-171.	0.8	2

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73	A novel search scheme based on the social behavior of crow flock for feed-forward learning improvement in predicting the soil compression coefficient. Engineering With Computers, 2020, , 1.	6.1	1
74	Experimental study on aqueous phase liquids migration in double-porosity soil under non-isothermal effect using digital image analysis. MATEC Web of Conferences, 2018, 250, 01002.	0.2	0