

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	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
2	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
3	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
4	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
5	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
6	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
7	Sine cosine grey wolf optimizer to solve engineering design problems. <i>Engineering With Computers</i> , 2021, 37, 3123-3149.	6.1	57
8	Assessment of water resources quality of a karstic aquifer in the Southwest of Iran. <i>Bulletin of Engineering Geology and the Environment</i> , 2021, 80, 71-92.	3.5	9
9	Hot pressing and microstructural characterization of SiC and TiN added TiB ₂ ceramics. <i>Ceramics International</i> , 2021, 47, 3946-3954.	4.8	12
10	Laboratory and numerical analysis of geogrid encased stone columns. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 169, 108369.	5.0	13
11	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
12	Sintering and mechanical behavior of SiC and WC co-added TiC-based composites densified by hot-pressing. <i>Ceramics International</i> , 2021, 47, 6479-6486.	4.8	12
13	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
14	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
15	Prediction of Flyrock in Mine Blasting: A New Computational Intelligence Approach. <i>Natural Resources Research</i> , 2020, 29, 609-623.	4.7	59
16	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
17	Optimizing ANN models with PSO for predicting short building seismic response. <i>Engineering With Computers</i> , 2020, 36, 823-837.	6.1	107
18	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

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19	Feature validity during machine learning paradigms for predicting biodiesel purity. <i>Fuel</i> , 2020, 262, 116498.	6.4	36
20	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
21	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
22	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
23	Environmental friendly approach for facile synthesis of graphene-like nanosheets for photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153696.	5.5	9
24	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
25	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. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 153, 107365.	5.0	8
26	Effect of SiC whisker on densification and mechanical properties of hot-pressed TiC-based composites. <i>Ceramics International</i> , 2020, 46, 27734-27741.	4.8	9
27	Densification behavior and mechanical properties of hot-pressed TiC-WC ceramics. <i>Ceramics International</i> , 2020, 46, 28316-28323.	4.8	9
28	An experimental/numerical hydrothermal analysis on natural convection and TiO ₂ -SiO ₂ /W-EG nanofluid's properties in a hollow/finned cavity. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 4563-4581.	2.8	3
29	A novel search scheme based on the social behavior of crow flock for feed-forward learning improvement in predicting the soil compression coefficient. <i>Engineering With Computers</i> , 2020, , 1.	6.1	1
30	Determination of the friction capacity of driven piles using three sophisticated search schemes. <i>Engineering With Computers</i> , 2020, , 1.	6.1	7
31	Soft computing method for predicting pressure drop reduction in crude oil pipelines based on machine learning methods. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	8
32	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
33	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
34	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
35	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
36	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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37	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
38	Synthesis of NiAl-WC composite by the thermal explosion of elemental powders. <i>Ceramics International</i> , 2020, 46, 15146-15151.	4.8	10
39	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
40	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
41	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
42	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
43	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
44	Weld orientation effects on the formability of tailor welded thin steel sheets. <i>Thin-Walled Structures</i> , 2020, 149, 106669.	5.3	80
45	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
46	Fuzzy-metaheuristic ensembles for spatial assessment of forest fire susceptibility. <i>Journal of Environmental Management</i> , 2020, 260, 109867.	7.8	103
47	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
48	Feasibility of indirect measurement of bearing capacity of driven piles based on a computational intelligence technique. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 156, 107577.	5.0	12
49	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
50	An efficient Harris hawks-inspired image segmentation method. <i>Expert Systems With Applications</i> , 2020, 155, 113428.	7.6	130
51	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
52	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
53	Recent advances in O-formylation of alcohols and phenols using efficient catalysts in eco-friendly media. <i>Synthetic Communications</i> , 2020, 50, 2132-2155.	2.1	4
54	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

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55	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
56	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
57	Applications of nano-materials in diverse dentistry regimes. <i>RSC Advances</i> , 2020, 10, 15430-15460.	3.6	62
58	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
59	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
60	Development of Two Novel Hybrid Prediction Models Estimating Ultimate Bearing Capacity of the Shallow Circular Footing. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4594.	2.5	8
61	Novel Nature-Inspired Hybrids of Neural Computing for Estimating Soil Shear Strength. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4643.	2.5	26
62	Slope Stability Monitoring Using Novel Remote Sensing Based Fuzzy Logic. <i>Sensors</i> , 2019, 19, 4636.	3.8	21
63	Spatial Landslide Susceptibility Assessment Based on Novel Neural-Metaheuristic Geographic Information System Based Ensembles. <i>Sensors</i> , 2019, 19, 4698.	3.8	29
64	Machine-Learning-Based Classification Approaches toward Recognizing Slope Stability Failure. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4638.	2.5	24
65	Predicting Heating Load in Energy-Efficient Buildings Through Machine Learning Techniques. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4338.	2.5	27
66	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
67	Application of Three Metaheuristic Techniques in Simulation of Concrete Slump. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4340.	2.5	19
68	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
69	Computer Modeling Approach of Leachate Flow in Compacted Laterite Soil Liner. <i>MATEC Web of Conferences</i> , 2018, 250, 01001.	0.2	3
70	Experimental study on aqueous phase liquids migration in double-porosity soil under non-isothermal effect using digital image analysis. <i>MATEC Web of Conferences</i> , 2018, 250, 01002.	0.2	0
71	Laboratory Investigation of LNAPL Migration in Double-Porosity Soil Under Fractured Condition Using Digital Image Analysis. <i>Transport in Porous Media</i> , 2018, 125, 521-542.	2.6	8
72	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

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73	Vibration effect influence upon non-aqueous phase liquid migration in double-porosity soil. <i>Geologia Croatica</i> , 2018, 71, 163-171.	0.8	2
74	EXPERIMENTAL STUDY ON UNSATURATED DOUBLE-POROSITY SOIL PHENOMENA UNDER VIBRATION EFFECT. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2017, 79, .	0.4	3