

Doddy Prayogo

List of Publications by Year in descending order

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35
papers

2,420
citations

394286

19
h-index

552653

26
g-index

35
all docs

35
docs citations

35
times ranked

1596
citing authors

#	ARTICLE	IF	CITATIONS
1	Layout, Topology, and Size Optimization of Steel Frame Design Using Metaheuristic Algorithms: A Comparative Study. <i>Civil Engineering Dimension</i> , 2022, 24, 31-37.	0.6	0
2	Chaotic coyote algorithm applied to truss optimization problems. <i>Computers and Structures</i> , 2021, 242, 106353.	2.4	63
3	Combining machine learning models via adaptive ensemble weighting for prediction of shear capacity of reinforced-concrete deep beams. <i>Engineering With Computers</i> , 2020, 36, 1135.	3.5	31
4	A Novel Hybrid Metaheuristic Algorithm for Optimization of Construction Management Site Layout Planning. <i>Algorithms</i> , 2020, 13, 117.	1.2	8
5	Modelación matemática del efecto de la presión atmosférica sobre la densidad poblacional de los mosquitos (Diptera: Culicidae) en Villa Clara, Cuba. <i>Revista Facultad De Medicina</i> , 2020, 68, .	0.0	0
6	A self-tuning least squares support vector machine for estimating the pavement rutting behavior of asphalt mixtures. <i>Soft Computing</i> , 2019, 23, 7755-7768.	2.1	13
7	Structural optimization using multi-objective modified adaptive symbiotic organisms search. <i>Expert Systems With Applications</i> , 2019, 125, 425-441.	4.4	95
8	Construction Management, Construction Method and System, Optimization and Innovation in Structural Design. <i>MATEC Web of Conferences</i> , 2019, 258, 02001.	0.1	0
9	Optimizing the prediction accuracy of load-settlement behavior of single pile using a self-learning data mining approach. <i>MATEC Web of Conferences</i> , 2019, 258, 02010.	0.1	0
10	Size, Topology, and Shape Optimization of Truss Structures using Symbiotic Organisms Search. , 2019, , .		1
11	Risk-based maintenance strategy for deteriorating bridges using a hybrid computational intelligence technique: a case study. <i>Structure and Infrastructure Engineering</i> , 2019, 15, 334-350.	2.0	12
12	Symbiotic organisms search algorithm: Theory, recent advances and applications. <i>Expert Systems With Applications</i> , 2019, 119, 184-209.	4.4	109
13	Prediction of permanent deformation in asphalt pavements using a novel symbiotic organisms search-least squares support vector regression. <i>Neural Computing and Applications</i> , 2019, 31, 6261-6273.	3.2	45
14	Optimization of resource leveling problem under multiple objective criteria using a symbiotic organisms search. <i>Civil Engineering Dimension</i> , 2019, 21, 43-51.	0.6	7
15	Optimization model for construction project resource leveling using a novel modified symbiotic organisms search. <i>Asian Journal of Civil Engineering</i> , 2018, 19, 625-638.	0.8	33
16	Fuzzy adaptive teaching-learning-based optimization for global numerical optimization. <i>Neural Computing and Applications</i> , 2018, 29, 309-327.	3.2	22
17	Differential Big Bang - Big Crunch algorithm for construction-engineering design optimization. <i>Automation in Construction</i> , 2018, 85, 290-304.	4.8	35
18	Prediction of High-Performance Concrete Strength Using a Hybrid Artificial Intelligence Approach. <i>MATEC Web of Conferences</i> , 2018, 203, 06006.	0.1	4

#	ARTICLE	IF	CITATIONS
19	Optimizing the Prediction Accuracy of Friction Capacity of Driven Piles in Cohesive Soil Using a Novel Self-Tuning Least Squares Support Vector Machine. <i>Advances in Civil Engineering</i> , 2018, 2018, 1-9.	0.4	36
20	Multiobjective adaptive symbiotic organisms search for truss optimization problems. <i>Knowledge-Based Systems</i> , 2018, 161, 398-414.	4.0	82
21	Metaheuristic-Based Machine Learning System for Prediction of Compressive Strength based on Concrete Mixture Properties and Early-Age Strength Test Results. <i>Civil Engineering Dimension</i> , 2018, 20, 21-29.	0.6	13
22	A Comparative Study on Bio-Inspired Algorithms in Layout Optimization of Construction Site Facilities. <i>Civil Engineering Dimension</i> , 2018, 20, 102-110.	0.6	5
23	A novel fuzzy adaptive teaching-learning-based optimization (FATLBO) for solving structural optimization problems. <i>Engineering With Computers</i> , 2017, 33, 55-69.	3.5	44
24	Symbiotic organisms search with the feasibility-based rules for constrained engineering design optimization. , 2017, , .		3
25	Enhanced symbiotic organisms search (ESOS) for global numerical optimization. , 2017, , .		4
26	Prediction of Concrete Compressive Strength from Early Age Test Result Using an Advanced Metaheuristic-Based Machine Learning Technique. , 2017, , .		6
27	Optimizing mixture properties of biodiesel production using genetic algorithm-based evolutionary support vector machine. <i>International Journal of Green Energy</i> , 2016, 13, 1599-1607.	2.1	23
28	A Hybrid Harmony Search algorithm for discrete sizing optimization of truss structure. <i>Automation in Construction</i> , 2016, 69, 21-33.	4.8	119
29	A novel Multiple Objective Symbiotic Organisms Search (MOSOS) for time-cost-labor utilization tradeoff problem. <i>Knowledge-Based Systems</i> , 2016, 94, 132-145.	4.0	128
30	Optimizing Multiple-Resources Leveling in Multiple Projects Using Discrete Symbiotic Organisms Search. <i>Journal of Computing in Civil Engineering</i> , 2016, 30, .	2.5	81
31	Modeling the Permanent Deformation Behavior of Asphalt Mixtures Using a Novel Hybrid Computational Intelligence. , 2016, , .		8
32	PREDICTING PRODUCTIVITY LOSS CAUSED BY CHANGE ORDERS USING THE EVOLUTIONARY FUZZY SUPPORT VECTOR MACHINE INFERENCE MODEL. <i>Journal of Civil Engineering and Management</i> , 2015, 21, 881-892.	1.9	37
33	Symbiotic Organisms Search: A new metaheuristic optimization algorithm. <i>Computers and Structures</i> , 2014, 139, 98-112.	2.4	1,200
34	High-performance concrete compressive strength prediction using Genetic Weighted Pyramid Operation Tree (GWPOT). <i>Engineering Applications of Artificial Intelligence</i> , 2014, 29, 104-113.	4.3	90
35	Novel Genetic Algorithm-Based Evolutionary Support Vector Machine for Optimizing High-Performance Concrete Mixture. <i>Journal of Computing in Civil Engineering</i> , 2014, 28, .	2.5	63