Hsing-Chih Tsai

List of Publications by Year
in descending order

37	989	430843	434170
papers	citations	18 h-index	31 g-index

37	37	37	842
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Conceptual cost estimates using evolutionary fuzzy hybrid neural network for projects in construction industry. Expert Systems With Applications, 2010, 37, 4224-4231.	7.6	97
2	Modification of the fish swarm algorithm with particle swarm optimization formulation and communication behavior. Applied Soft Computing Journal, 2011, 11, 5367-5374.	7.2	96
3	Web-based conceptual cost estimates for construction projects using Evolutionary Fuzzy Neural Inference Model. Automation in Construction, 2009, 18, 164-172.	9.8	84
4	Integrating the artificial bee colony and bees algorithm to face constrained optimization problems. Information Sciences, 2014, 258, 80-93.	6.9	57
5	Artificial intelligence approaches to achieve strategic control over project cash flows. Automation in Construction, 2009, 18, 386-393.	9.8	54
6	Gravitational particle swarm. Applied Mathematics and Computation, 2013, 219, 9106-9117.	2.2	53
7	Predicting strengths of concrete-type specimens using hybrid multilayer perceptrons with center-unified particle swarm optimization. Expert Systems With Applications, 2010, 37, 1104-1112.	7.6	51
8	Fuzzy case-based reasoning for coping with construction disputes. Expert Systems With Applications, 2009, 36, 4106-4113.	7.6	44
9	Evolutionary Fuzzy Neural Inference System for Decision Making in Geotechnical Engineering. Journal of Computing in Civil Engineering, 2008, 22, 272-280.	4.7	35
10	Hybrid high order neural networks. Applied Soft Computing Journal, 2009, 9, 874-881.	7.2	34
11	Unified particle swarm delivers high efficiency to particle swarm optimization. Applied Soft Computing Journal, 2017, 55, 371-383.	7.2	33
12	Evolutionary fuzzy hybrid neural network for project cash flow control. Engineering Applications of Artificial Intelligence, 2010, 23, 604-613.	8.1	27
13	Evolutionary fuzzy hybrid neural network for dynamic project success assessment in construction industry. Automation in Construction, 2012, 21, 46-51.	9.8	27
14	Evaluating subcontractor performance using evolutionary fuzzy hybrid neural network. International Journal of Project Management, 2011, 29, 349-356.	5.6	25
15	Predicting high-strength concrete parameters using weighted genetic programming. Engineering With Computers, 2011, 27, 347-355.	6.1	22
16	Using weighted genetic programming to program squat wall strengths and tune associated formulas. Engineering Applications of Artificial Intelligence, 2011, 24, 526-533.	8.1	22
17	Artificial bee colony directive for continuous optimization. Applied Soft Computing Journal, 2020, 87, 105982.	7.2	21
18	Isolated particle swarm optimization with particle migration and global best adoption. Engineering Optimization, 2012, 44, 1405-1424.	2.6	20

#	Article	IF	Citations
19	Determining ultimate bearing capacity of shallow foundations using a genetic programming system. Neural Computing and Applications, 2013, 23, 2073-2084.	5.6	19
20	Construction management process reengineering performance measurements. Automation in Construction, 2009, 18, 183-193.	9.8	15
21	Genetic programming for predicting aseismic abilities of school buildings. Engineering Applications of Artificial Intelligence, 2012, 25, 1103-1113.	8.1	15
22	Novel Bees Algorithm: Stochastic self-adaptive neighborhood. Applied Mathematics and Computation, 2014, 247, 1161-1172.	2.2	15
23	Roach infestation optimization with friendship centers. Engineering Applications of Artificial Intelligence, 2015, 39, 109-119.	8.1	15
24	Improving backtracking search algorithm with variable search strategies for continuous optimization. Applied Soft Computing Journal, 2019, 80, 567-578.	7.2	15
25	GIS-BASED RESTORATION SYSTEM FOR HISTORIC TIMBER BUILDINGS USING RFID TECHNOLOGY/GIS PAREMTA ISTORINIÅ² RÄ„STINIÅ² PASTATÅ² RESTAURAVIMO SISTEMA TAIKANT RFID TECHNOLOGIJÄ„. Journal of Civil Engineering and Management, 2008, 14, 227-234.	3.5	14
26	Weighted operation structures to program strengths of concrete-typed specimens using genetic algorithm. Expert Systems With Applications, 2011, 38, 161-168.	7.6	14
27	Confined teaching-learning-based optimization with variable search strategies for continuous optimization. Information Sciences, 2019, 500, 34-47.	6.9	14
28	Modular neural network programming with genetic optimization. Expert Systems With Applications, 2011, 38, 11032-11039.	7.6	11
29	Integrating artificial bee colony and bees algorithm for solving numerical function optimization. Neural Computing and Applications, 2014, 25, 635-651.	5.6	7
30	A corrected and improved symbiotic organisms search algorithm for continuous optimization. Expert Systems With Applications, 2021, 177, 114981.	7.6	6
31	Improving semi-empirical equations of ultimate bearing capacity of shallow foundations using soft computing polynomials. Engineering Applications of Artificial Intelligence, 2013, 26, 478-487.	8.1	5
32	Modeling concrete strength with high-order neural networks. Neural Computing and Applications, 2016, 27, 2465-2473.	5.6	5
33	Modeling Torsional Strength of Reinforced Concrete Beams using Genetic Programming Polynomials with Building Codes. KSCE Journal of Civil Engineering, 2019, 23, 3464-3475.	1.9	5
34	Programming squat wall strengths and tuning associated codes with pruned modular neural network. Neural Computing and Applications, 2013, 23, 741-749.	5.6	4
35	Improving analytical models of circular concrete columns with genetic programming polynomials. Genetic Programming and Evolvable Machines, 2013, 14, 221-243.	2.2	3
36	Potential bias when creating a differential-vector movement algorithm. Applied Soft Computing Journal, 2021, 113, 107925.	7.2	3

#	Article	IF	Citations
37	Using genetic programming to model the bond strength of GFRP bars in concrete under the effects of design guidelines. Engineering Computations, 2021, ahead-of-print, .	1.4	2