

# Hsing-Chih Tsai

## List of Publications by Citations

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37  
papers

766  
citations

17  
h-index

27  
g-index

37  
ext. papers

872  
ext. citations

6.1  
avg, IF

4.98  
L-index

#	Paper	IF	Citations
37	Conceptual cost estimates using evolutionary fuzzy hybrid neural network for projects in construction industry. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 4224-4231	7.8	77
36	Modification of the fish swarm algorithm with particle swarm optimization formulation and communication behavior. <i>Applied Soft Computing Journal</i> , <b>2011</b> , 11, 5367-5374	7.5	76
35	Web-based conceptual cost estimates for construction projects using Evolutionary Fuzzy Neural Inference Model. <i>Automation in Construction</i> , <b>2009</b> , 18, 164-172	9.6	61
34	Integrating the artificial bee colony and bees algorithm to face constrained optimization problems. <i>Information Sciences</i> , <b>2014</b> , 258, 80-93	7.7	49
33	Gravitational particle swarm. <i>Applied Mathematics and Computation</i> , <b>2013</b> , 219, 9106-9117	2.7	48
32	Predicting strengths of concrete-type specimens using hybrid multilayer perceptrons with center-unified particle swarm optimization. <i>Expert Systems With Applications</i> , <b>2010</b> , 37, 1104-1112	7.8	45
31	Artificial intelligence approaches to achieve strategic control over project cash flows. <i>Automation in Construction</i> , <b>2009</b> , 18, 386-393	9.6	35
30	Fuzzy case-based reasoning for coping with construction disputes. <i>Expert Systems With Applications</i> , <b>2009</b> , 36, 4106-4113	7.8	32
29	Hybrid high order neural networks. <i>Applied Soft Computing Journal</i> , <b>2009</b> , 9, 874-881	7.5	31
28	Evolutionary Fuzzy Neural Inference System for Decision Making in Geotechnical Engineering. <i>Journal of Computing in Civil Engineering</i> , <b>2008</b> , 22, 272-280	5	28
27	Evolutionary fuzzy hybrid neural network for dynamic project success assessment in construction industry. <i>Automation in Construction</i> , <b>2012</b> , 21, 46-51	9.6	21
26	Predicting high-strength concrete parameters using weighted genetic programming. <i>Engineering With Computers</i> , <b>2011</b> , 27, 347-355	4.5	21
25	Evaluating subcontractor performance using evolutionary fuzzy hybrid neural network. <i>International Journal of Project Management</i> , <b>2011</b> , 29, 349-356	7.6	21
24	Evolutionary fuzzy hybrid neural network for project cash flow control. <i>Engineering Applications of Artificial Intelligence</i> , <b>2010</b> , 23, 604-613	7.2	20
23	Unified particle swarm delivers high efficiency to particle swarm optimization. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 55, 371-383	7.5	19
22	Using weighted genetic programming to program squat wall strengths and tune associated formulas. <i>Engineering Applications of Artificial Intelligence</i> , <b>2011</b> , 24, 526-533	7.2	19
21	Isolated particle swarm optimization with particle migration and global best adoption. <i>Engineering Optimization</i> , <b>2012</b> , 44, 1405-1424	2	18

20	Improving backtracking search algorithm with variable search strategies for continuous optimization. <i>Applied Soft Computing Journal</i> , <b>2019</b> , 80, 567-578	7.5	13
19	Roach infestation optimization with friendship centers. <i>Engineering Applications of Artificial Intelligence</i> , <b>2015</b> , 39, 109-119	7.2	12
18	Novel Bees Algorithm: Stochastic self-adaptive neighborhood. <i>Applied Mathematics and Computation</i> , <b>2014</b> , 247, 1161-1172	2.7	12
17	Construction management process reengineering performance measurements. <i>Automation in Construction</i> , <b>2009</b> , 18, 183-193	9.6	12
16	Genetic programming for predicting aseismic abilities of school buildings. <i>Engineering Applications of Artificial Intelligence</i> , <b>2012</b> , 25, 1103-1113	7.2	11
15	Weighted operation structures to program strengths of concrete-typed specimens using genetic algorithm. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 161-168	7.8	11
14	Artificial bee colony directive for continuous optimization. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 87, 105982	7.5	11
13	GIS-BASED RESTORATION SYSTEM FOR HISTORIC TIMBER BUILDINGS USING RFID TECHNOLOGY/GIS PAREMTA ISTORINI RSTINI PASTA TRESTAURAVIMO SISTEMA TAIKANT RFID TECHNOLOGI J <i>Journal of Civil Engineering and Management</i> , <b>2008</b> , 14, 227-234	3	10
12	Determining ultimate bearing capacity of shallow foundations using a genetic programming system. <i>Neural Computing and Applications</i> , <b>2013</b> , 23, 2073-2084	4.8	9
11	Modular neural network programming with genetic optimization. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 11032-11039	7.8	9
10	Confined teaching-learning-based optimization with variable search strategies for continuous optimization. <i>Information Sciences</i> , <b>2019</b> , 500, 34-47	7.7	7
9	Integrating artificial bee colony and bees algorithm for solving numerical function optimization. <i>Neural Computing and Applications</i> , <b>2014</b> , 25, 635-651	4.8	6
8	Modeling concrete strength with high-order neural networks. <i>Neural Computing and Applications</i> , <b>2016</b> , 27, 2465-2473	4.8	5
7	Improving semi-empirical equations of ultimate bearing capacity of shallow foundations using soft computing polynomials. <i>Engineering Applications of Artificial Intelligence</i> , <b>2013</b> , 26, 478-487	7.2	5
6	Modeling Torsional Strength of Reinforced Concrete Beams using Genetic Programming Polynomials with Building Codes. <i>KSCE Journal of Civil Engineering</i> , <b>2019</b> , 23, 3464-3475	1.9	4
5	Programming squat wall strengths and tuning associated codes with pruned modular neural network. <i>Neural Computing and Applications</i> , <b>2013</b> , 23, 741-749	4.8	3
4	Improving analytical models of circular concrete columns with genetic programming polynomials. <i>Genetic Programming and Evolvable Machines</i> , <b>2013</b> , 14, 221-243	2	3
3	Using genetic programming to model the bond strength of GFRP bars in concrete under the effects of design guidelines. <i>Engineering Computations</i> , <b>2021</b> , ahead-of-print,	1.4	1

2	A corrected and improved symbiotic organisms search algorithm for continuous optimization. <i>Expert Systems With Applications</i> , <b>2021</b> , 177, 114981	7.8	1
1	Potential bias when creating a differential-vector movement algorithm. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 113, 107925	7.5	0