

Amir Gandomi

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/3735268/amir-gandomi-publications-by-year.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

379
papers

20,520
citations

65
h-index

137
g-index

436
ext. papers

28,176
ext. citations

4.6
avg, IF

8.13
L-index

#	Paper	IF	Citations
379	DECENT: Deep Learning Enabled Green Computation for Edge centric 6G Networks. <i>IEEE Transactions on Network and Service Management</i> , 2022 , 1-1	4.8	2
378	Scheduling by NSGA-II: Review and Bibliometric Analysis. <i>Processes</i> , 2022 , 10, 98	2.9	5
377	Model updating using causal information: a case study in coupled slab. <i>Structural and Multidisciplinary Optimization</i> , 2022 , 65, 1	3.6	
376	Genetic prediction of ICU hospitalization and mortality in COVID-19 patients using artificial neural networks.. <i>Journal of Cellular and Molecular Medicine</i> , 2022 ,	5.6	4
375	Meta-heuristic optimization algorithms for solving real-world mechanical engineering design problems: a comprehensive survey, applications, comparative analysis, and results. <i>Neural Computing and Applications</i> , 2022 , 34, 4081	4.8	8
374	Downstream semi-circular obstacles' influence on floods arising from the failure of dams with different levels of reservoir silting. <i>Physics of Fluids</i> , 2022 , 34, 013312	4.4	1
373	Wind, Solar, and Photovoltaic Renewable Energy Systems with and without Energy Storage Optimization: A Survey of Advanced Machine Learning and Deep Learning Techniques. <i>Energies</i> , 2022 , 15, 578	3.1	10
372	Novel integration of extreme learning machine and improved Harris hawks optimization with particle swarm optimization-based mutation for predicting soil consolidation parameter. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2022 ,	5.3	4
371	Damage detection of composite laminate structures using VMD of FRF contaminated by high percentage of noise. <i>Composite Structures</i> , 2022 , 286, 115243	5.3	4
370	INFO: An efficient optimization algorithm based on weighted mean of vectors. <i>Expert Systems With Applications</i> , 2022 , 195, 116516	7.8	36
369	A review on multimodal medical image fusion: Compendious analysis of medical modalities, multimodal databases, fusion techniques and quality metrics.. <i>Computers in Biology and Medicine</i> , 2022 , 144, 105253	7	7
368	Starling murmuration optimizer: A novel bio-inspired algorithm for global and engineering optimization. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022 , 392, 114616	5.7	21
367	Early Diagnosis of Alzheimer's Disease Using Cerebral Catheter Angiogram Neuroimaging: A Novel Model Based on Deep Learning Approaches. <i>Big Data and Cognitive Computing</i> , 2022 , 6, 2	3.5	9
366	Artificial Intelligence for Fighting the COVID-19 Pandemic 2022 , 165-177		0
365	Deep Q-Learning-Based Neural Network with Privacy Preservation Method for Secure Data Transmission in Internet of Things (IoT) Healthcare Application. <i>Electronics (Switzerland)</i> , 2022 , 11, 157	2.6	0
364	A mode shape sensitivity-based method for damage detection of structures with closely-spaced eigenvalues. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022 , 190, 110644	4.6	4
363	Human Inertial Thinking Strategy: A Novel Fuzzy Reasoning Mechanism for IoT-Assisted Visual Monitoring. <i>IEEE Internet of Things Journal</i> , 2022 , 1-1	10.7	5

362	Reservoir operation under accidental MTBE pollution: A graph-based conflict resolution framework considering spatial-temporal-quantitative uncertainties. <i>Journal of Hydrology</i> , 2022 , 605, 127313	6	0
361	Evolutionary Machine Learning: A Survey. <i>ACM Computing Surveys</i> , 2022 , 54, 1-35	13.4	12
360	Parallel and distributed paradigms for community detection in social networks: A methodological review. <i>Expert Systems With Applications</i> , 2022 , 187, 115956	7.8	2
359	Surrogate model-driven bio-inspired optimization algorithms for large-scale and high-dimensional problems 2022 , 353-382		
358	A Stochastic Conflict Resolution Optimization Model for Flood Management in Detention Basins: Application of Fuzzy Graph Model. <i>Water (Switzerland)</i> , 2022 , 14, 774	3	1
357	Progressive improvement of DRASTICA and SI models for groundwater vulnerability assessment based on evolutionary algorithms.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
356	Radiology Imaging Scans for Early Diagnosis of Kidney Tumors: A Review of Data Analytics-Based Machine Learning and Deep Learning Approaches. <i>Big Data and Cognitive Computing</i> , 2022 , 6, 29	3.5	8
355	A Systematic Review on Osmotic Computing. <i>ACM Transactions on Internet of Things</i> , 2022 , 3, 1-30	2.2	1
354	Machine learning in medical applications: A review of state-of-the-art methods.. <i>Computers in Biology and Medicine</i> , 2022 , 145, 105458	7	19
353	Lung cancer disease detection using service-oriented architectures and multivariate boosting classifier. <i>Applied Soft Computing Journal</i> , 2022 , 108820	7.5	0
352	Blockchain Security Using Merkle Hash Zero Correlation Distinguisher for the IoT in Smart Cities. <i>IEEE Internet of Things Journal</i> , 2022 , 1-1	10.7	0
351	Sensor-System-Based Network with Low-Power Communication Using Multi-Hop Routing Protocol Integrated with a Data Transmission Model. <i>Electronics (Switzerland)</i> , 2022 , 11, 1541	2.6	
350	Stochastic optimization model for determining support system parameters of a subway station. <i>Expert Systems With Applications</i> , 2022 , 117509	7.8	0
349	Timber damage identification using dynamic broad network and ultrasonic signals. <i>Engineering Structures</i> , 2022 , 263, 114418	4.7	0
348	Machine learning analysis of features extracted from time-frequency domain of ultrasonic testing results for wood material assessment. <i>Construction and Building Materials</i> , 2022 , 342, 127761	6.7	1
347	Aquila Optimizer Based PSO Swarm Intelligence for IoT Task Scheduling Application in Cloud Computing. <i>Studies in Computational Intelligence</i> , 2022 , 481-497	0.8	3
346	Improving Approaches for Meta-heuristic Algorithms: A Brief Overview. <i>Studies in Computational Intelligence</i> , 2022 , 35-61	0.8	
345	Reptile Search Algorithm (RSA): A nature-inspired meta-heuristic optimizer. <i>Expert Systems With Applications</i> , 2021 , 116158	7.8	120

344	Feature-extraction and analysis based on spatial distribution of amino acids for SARS-CoV-2 Protein sequences. <i>Computers in Biology and Medicine</i> , 2021 , 141, 105024	7	4
343	A robust drug recall supply chain management system using hyperledger blockchain ecosystem. <i>Computers in Biology and Medicine</i> , 2021 , 140, 105100	7	14
342	COVID-19 Patient Detection Based on Fusion of Transfer Learning and Fuzzy Ensemble Models Using CXR Images. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11423	2.6	2
341	A Multi-Objective Evolutionary Framework for Formulation of Nonlinear Structural Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	1
340	Survey on Twitter Sentiment Analysis: Architecture, Classifications, and Challenges. <i>Signals and Communication Technology</i> , 2021 , 1-18	0.5	3
339	A Comprehensive Review and Analysis of Operating Room and Surgery Scheduling. <i>Archives of Computational Methods in Engineering</i> , 2021 , 28, 1667-1688	7.8	11
338	Evaluation of the Mechanical Properties of Normal Concrete Containing Nano-MgO under Freeze-Thaw Conditions by Evolutionary Intelligence. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2529	2.6	0
337	CH Selection via Adaptive Threshold Design Aligned on Network Energy. <i>IEEE Sensors Journal</i> , 2021 , 21, 8491-8500	4	6
336	Evaluating the Quality of Machine Learning Explanations: A Survey on Methods and Metrics. <i>Electronics (Switzerland)</i> , 2021 , 10, 593	2.6	35
335	Deep learning for structural health monitoring under environmental and operational variations 2021 ,		3
334	Analysis and Prediction of COVID-19 Using SIR, SEIQR, and Machine Learning Models: Australia, Italy, and UK Cases. <i>Information (Switzerland)</i> , 2021 , 12, 109	2.6	18
333	A baseline-free damage detection method using VBI incomplete measurement data. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 174, 108957	4.6	5
332	A Prediction Model for the Calculation of Effective Stiffness Ratios of Reinforced Concrete Columns. <i>Materials</i> , 2021 , 14,	3.5	1
331	The Arithmetic Optimization Algorithm. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 376, 113609	5.7	500
330	Material Generation Algorithm: A Novel Metaheuristic Algorithm for Optimization of Engineering Problems. <i>Processes</i> , 2021 , 9, 859	2.9	21
329	Double-hierarchy hesitant fuzzy linguistic information-based framework for green supplier selection with partial weight information. <i>Neural Computing and Applications</i> , 2021 , 33, 14837	4.8	4
328	Improved NSGA-III with Second-Order Difference Random Strategy for Dynamic Multi-Objective Optimization. <i>Processes</i> , 2021 , 9, 911	2.9	5
327	The Colony Predation Algorithm. <i>Journal of Bionic Engineering</i> , 2021 , 18, 674-710	2.7	77

326	Assessment of cloud vendors using interval-valued probabilistic linguistic information and unknown weights. <i>International Journal of Intelligent Systems</i> , 2021 , 36, 3813-3851	8.4	7
325	Experimental dataset on water levels, sediment depths and wave front celerity values in the study of multiphase shock wave for different initial up- and down-stream conditions. <i>Data in Brief</i> , 2021 , 36, 107082	1.2	2
324	Investigating bound handling schemes and parameter settings for the interior search algorithm to solve truss problems. <i>Engineering Reports</i> , 2021 , 3, e12405	1.2	2
323	MSGP-LASSO: An improved multi-stage genetic programming model for streamflow prediction. <i>Information Sciences</i> , 2021 , 561, 181-195	7.7	12
322	Genetic programming to formulate viscoelastic behavior of modified asphalt binder. <i>Construction and Building Materials</i> , 2021 , 286, 122954	6.7	3
321	Correction to BDCF: A Software-Defined Cyber Foraging Framework for Cloudlet Environment[] <i>IEEE Transactions on Network and Service Management</i> , 2021 , 18, 2450-2450	4.8	
320	Case Study for Quantifying Flood Resilience of Interdependent Building Roadway Infrastructure Systems. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2021 , 7, 04021005	1.7	6
319	Aquila Optimizer: A novel meta-heuristic optimization algorithm. <i>Computers and Industrial Engineering</i> , 2021 , 157, 107250	6.4	347
318	A Novel Evolutionary Arithmetic Optimization Algorithm for Multilevel Thresholding Segmentation of COVID-19 CT Images. <i>Processes</i> , 2021 , 9, 1155	2.9	50
317	Cyberstalking Victimization Model Using Criminological Theory: A Systematic Literature Review, Taxonomies, Applications, Tools, and Validations. <i>Electronics (Switzerland)</i> , 2021 , 10, 1670	2.6	0
316	An explainable prediction framework for engineering problems: case studies in reinforced concrete members modeling. <i>Engineering Computations</i> , 2021 , ahead-of-print,	1.4	1
315	A Technical Survey on Intelligent Optimization Grouping Algorithms for Finite State Automata in Deep Packet Inspection. <i>Archives of Computational Methods in Engineering</i> , 2021 , 28, 1371-1396	7.8	4
314	Evolutionary Many-Objective Algorithms for Combinatorial Optimization Problems: A Comparative Study. <i>Archives of Computational Methods in Engineering</i> , 2021 , 28, 673-688	7.8	10
313	The Revolution of Blockchain: State-of-the-Art and Research Challenges. <i>Archives of Computational Methods in Engineering</i> , 2021 , 28, 1497-1515	7.8	58
312	Interval-valued probabilistic hesitant fuzzy set-based framework for group decision-making with unknown weight information. <i>Neural Computing and Applications</i> , 2021 , 33, 2445-2457	4.8	8
311	Self adaptive cuckoo search: Analysis and experimentation. <i>Swarm and Evolutionary Computation</i> , 2021 , 60, 100751	9.8	16
310	Beam damage detection using synchronisation of peaks in instantaneous frequency and amplitude of vibration data. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 168, 108297	4.6	17
309	Machine learning-based left ventricular hypertrophy detection using multi-lead ECG signal. <i>Neural Computing and Applications</i> , 2021 , 33, 4445-4455	4.8	6

308	Solving renewable energy source selection problems using a q-rung orthopair fuzzy-based integrated decision-making approach. <i>Journal of Cleaner Production</i> , 2021 , 279, 123329	10.3	35
307	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 881-888	10.7	51
306	Improved salient object detection using hybrid Convolution Recurrent Neural Network. <i>Expert Systems With Applications</i> , 2021 , 166, 114064	7.8	20
305	Structural health monitoring of railway tracks using IoT-based multi-robot system. <i>Neural Computing and Applications</i> , 2021 , 33, 5897-5915	4.8	6
304	Introduction of ABCEP as an automatic programming method. <i>Information Sciences</i> , 2021 , 545, 575-594	7.7	0
303	Multiview Summarization and Activity Recognition Meet Edge Computing in IoT Environments. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 9634-9644	10.7	15
302	Application of mutation operators to salp swarm algorithm. <i>Expert Systems With Applications</i> , 2021 , 169, 114368	7.8	7
301	Particle Swarm Optimization Variants for Solving Geotechnical Problems: Review and Comparative Analysis. <i>Archives of Computational Methods in Engineering</i> , 2021 , 28, 1871-1927	7.8	13
300	Multi-objective heat transfer search algorithm for truss optimization. <i>Engineering With Computers</i> , 2021 , 37, 641-662	4.5	33
299	Cost-sensitive stacked auto-encoders for intrusion detection in the Internet of Things. <i>Internet of Things (Netherlands)</i> , 2021 , 14, 100122	6.9	15
298	Ant Colony Optimization Based Quality of Service Aware Energy Balancing Secure Routing Algorithm for Wireless Sensor Networks. <i>IEEE Transactions on Engineering Management</i> , 2021 , 68, 170-182	2.6	37
297	Analysis of false data detection rate in generative adversarial networks using recurrent neural network 2021 , 289-312		3
296	Text-Based Product Matching with Incomplete and Inconsistent Items Descriptions. <i>Lecture Notes in Computer Science</i> , 2021 , 92-103	0.9	
295	Adaptive Graph Co-Attention Networks for Traffic Forecasting. <i>Lecture Notes in Computer Science</i> , 2021 , 263-276	0.9	0
294	A neural network to predict spectral acceleration 2021 , 335-349		1
293	Improvement of shear strength of cohesive soils by additives: A review 2021 , 189-211		2
292	Detecting Product Review Spammers Using Principles of Big Data. <i>IEEE Transactions on Engineering Management</i> , 2021 , 1-12	2.6	2
291	A cost-sensitive deep learning based approach for network traffic classification. <i>IEEE Transactions on Network and Service Management</i> , 2021 , 1-1	4.8	3

290	Advances in Meta-Heuristic Optimization Algorithms in Big Data Text Clustering. <i>Electronics (Switzerland)</i> , 2021 , 10, 101	2.6	27
289	Artificial Intelligence Applied to Stock Market Trading: A Review. <i>IEEE Access</i> , 2021 , 9, 30898-30917	3.5	12
288	A Comparison of Constraint Handling Techniques on NSGA-II. <i>Archives of Computational Methods in Engineering</i> , 2021 , 28, 3475-3490	7.8	4
287	Linear Weighted Regression and Energy-Aware Greedy Scheduling for Heterogeneous Big Data. <i>Electronics (Switzerland)</i> , 2021 , 10, 554	2.6	0
286	A Survey of Learning-Based Intelligent Optimization Algorithms. <i>Archives of Computational Methods in Engineering</i> , 2021 , 28, 3781-3799	7.8	52
285	A review on COVID-19 forecasting models. <i>Neural Computing and Applications</i> , 2021 , 1-11	4.8	43
284	A decision framework under probabilistic hesitant fuzzy environment with probability estimation for multi-criteria decision making. <i>Neural Computing and Applications</i> , 2021 , 33, 8417	4.8	5
283	Spectral acceleration prediction using genetic programming based approaches. <i>Applied Soft Computing Journal</i> , 2021 , 106, 107326	7.5	5
282	Structural damage identification under non-linear EOV effects using genetic programming 2021 ,		1
281	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 12947-12954	10.7	10
280	A hybrid computational intelligence approach for structural damage detection using marine predator algorithm and feedforward neural networks. <i>Computers and Structures</i> , 2021 , 252, 106568	4.5	15
279	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 12847-12854	10.7	7
278	Towards Precision Agriculture: IoT-Enabled Intelligent Irrigation Systems Using Deep Learning Neural Network. <i>IEEE Sensors Journal</i> , 2021 , 21, 17479-17491	4	28
277	Groundwater sustainability: Developing a non-cooperative optimal management scenario in shared groundwater resources under water bankruptcy conditions. <i>Journal of Environmental Management</i> , 2021 , 292, 112807	7.9	6
276	HVD-LSTM based recognition of epileptic seizures and normal human activity. <i>Computers in Biology and Medicine</i> , 2021 , 136, 104684	7	2
275	Prediction of seismic damage spectra using computational intelligence methods. <i>Computers and Structures</i> , 2021 , 253, 106584	4.5	1
274	A Novel Breast Cancer Diagnosis Scheme With Intelligent Feature and Parameter Selections. <i>Computer Methods and Programs in Biomedicine</i> , 2021 , 106432	6.9	1
273	A hybrid evolutionary algorithm for stability analysis of 2-area multi-non-conventional system with communication delay and energy storage. <i>International Journal of Electrical Power and Energy Systems</i> , 2021 , 130, 106823	5.1	3

272	A self-adaptive hybridized differential evolution naked mole-rat algorithm for engineering optimization problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 383, 113916	5.7	3
271	Optimized machine learning approaches for the prediction of viscoelastic behavior of modified asphalt binders. <i>Construction and Building Materials</i> , 2021 , 299, 124264	6.7	4
270	QANA: Quantum-based avian navigation optimizer algorithm. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 104, 104314	7.2	40
269	Hunger games search: Visions, conception, implementation, deep analysis, perspectives, and towards performance shifts. <i>Expert Systems With Applications</i> , 2021 , 177, 114864	7.8	203
268	ELM-based adaptive neuro swarm intelligence techniques for predicting the California bearing ratio of soils in soaked conditions. <i>Applied Soft Computing Journal</i> , 2021 , 110, 107595	7.5	26
267	Structural health monitoring under environmental and operational variations using MCD prediction error. <i>Journal of Sound and Vibration</i> , 2021 , 512, 116370	3.9	8
266	Prediction error of Johansen cointegration residuals for structural health monitoring. <i>Mechanical Systems and Signal Processing</i> , 2021 , 160, 107847	7.8	14
265	Wood hole-damage detection and classification via contact ultrasonic testing. <i>Construction and Building Materials</i> , 2021 , 307, 124999	6.7	5
264	RUN beyond the metaphor: An efficient optimization algorithm based on Runge Kutta method. <i>Expert Systems With Applications</i> , 2021 , 181, 115079	7.8	135
263	High-performance implementation of evolutionary privacy-preserving algorithm for big data using GPU platform. <i>Information Sciences</i> , 2021 , 579, 251-265	7.7	2
262	. <i>IEEE Transactions on Multimedia</i> , 2021 , 23, 2188-2198	6.6	98
261	Mutual Informative MapReduce and Minimum Quadrangle Classification for Brain Tumor Big Data. <i>IEEE Transactions on Engineering Management</i> , 2021 , 1-12	2.6	1
260	Experimental Comparison of Constraint Handling Schemes in Particle Swarm Optimization 2021 , 81-99		0
259	. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	50
258	Time series analysis of the COVID-19 pandemic in Australia using genetic programming 2021 , 399-411		1
257	A Hybrid Imputation Method for Multi-Pattern Missing Data: A Case Study on Type II Diabetes Diagnosis. <i>Electronics (Switzerland)</i> , 2021 , 10, 3167	2.6	2
256	Structural Health Monitoring in Composite Structures: A Comprehensive Review.. <i>Sensors</i> , 2021 , 22,	3.8	12
255	A progressive hedging approach for large-scale pavement maintenance scheduling under uncertainty. <i>International Journal of Pavement Engineering</i> , 2020 , 1-13	2.6	5

254	Optimization of Routing-Based Clustering Approaches in Wireless Sensor Network: Review and Open Research Issues. <i>Electronics (Switzerland)</i> , 2020 , 9, 1630	2.6	13
253	Time Series Analysis and Forecast of the COVID-19 Pandemic in India using Genetic Programming. <i>Chaos, Solitons and Fractals</i> , 2020 , 138, 109945	9.3	93
252	Improving Power and Resource Management in Heterogeneous Downlink OFDMA Networks. <i>Information (Switzerland)</i> , 2020 , 11, 203	2.6	7
251	Evolutionary Computation in Scheduling 2020 , 1-10		1
250	Surface altering optimisation in slope stability analysis with non-circular failure for random limit equilibrium method. <i>Georisk</i> , 2020 , 1-27	1.9	6
249	Advanced Ant Colony Optimization in Healthcare Scheduling 2020 , 37-72		0
248	Marine Predators Algorithm: A nature-inspired metaheuristic. <i>Expert Systems With Applications</i> , 2020 , 152, 113377	7.8	472
247	A survey of evolutionary computation for association rule mining. <i>Information Sciences</i> , 2020 , 524, 318-357		51
246	Analysis of high-dimensional genomic data using MapReduce based probabilistic neural network. <i>Computer Methods and Programs in Biomedicine</i> , 2020 , 195, 105625	6.9	21
245	Partial derivative Nonlinear Global Pandemic Machine Learning prediction of COVID 19. <i>Chaos, Solitons and Fractals</i> , 2020 , 139, 110056	9.3	36
244	Implicit constraints handling for efficient search of feasible solutions. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020 , 363, 112917	5.7	9
243	Fuzzy Deep Neural Learning Based on Goodman and Kruskal's Gamma for Search Engine Optimization. <i>IEEE Transactions on Big Data</i> , 2020 , 1-1	3.2	0
242	Resolving data sparsity and cold start problem in collaborative filtering recommender system using Linked Open Data. <i>Expert Systems With Applications</i> , 2020 , 149, 113248	7.8	65
241	Pavement maintenance and rehabilitation planning optimisation under budget and pavement deterioration uncertainty. <i>International Journal of Pavement Engineering</i> , 2020 , 1-11	2.6	10
240	Association Rule Learning Is an Easy and Efficient Method for Identifying Profiles of Traumas and Stressors that Predict Psychopathology in Disaster Survivors: The Example of Sri Lanka. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	2
239	Machine Learning Inspired Phishing Detection (PD) for Efficient Classification and Secure Storage Distribution (SSD) for Cloud-IoT Application 2020 ,		3
238	An Interpretable Deep Learning Framework for Health Monitoring Systems: A Case Study of Eye State Detection using EEG Signals 2020 ,		1
237	Energy-Efficient Cluster-based Routing Protocol in Internet of Things Using Swarm Intelligence 2020 ,		7

236	2020,		2
235	Financial time-series analysis of Brazilian stock market using machine learning 2020,		1
234	Surrogate Model-Driven Evolutionary Algorithms: Theory and Applications. <i>Genetic and Evolutionary Computation</i> , 2020 , 435-451	0.8	4
233	Software review: the GPTIPS platform. <i>Genetic Programming and Evolvable Machines</i> , 2020 , 21, 273-280	2	6
232	Consolidation assessment using Multi Expression Programming. <i>Applied Soft Computing Journal</i> , 2020 , 86, 105842	7.5	14
231	Loading rate effect on fracture behavior of fiber reinforced high strength concrete using a semi-circular bending test. <i>Construction and Building Materials</i> , 2020 , 240, 117681	6.7	6
230	Privacy-preserving in association rule mining using an improved discrete binary artificial bee colony. <i>Expert Systems With Applications</i> , 2020 , 144, 113097	7.8	14
229	Improving End-Users Utility in Software-Defined Wide Area Network Systems. <i>IEEE Transactions on Network and Service Management</i> , 2020 , 17, 696-707	4.8	19
228	An evolutionary approach to formulate the compressive strength of roller compacted concrete pavement. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020 , 152, 107309	4.6	24
227	Swarm Decision Table and Ensemble Search Methods in Fog Computing Environment: Case of Day-Ahead Prediction of Building Energy Demands Using IoT Sensors. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 2321-2342	10.7	6
226	A New Pythagorean Fuzzy Based Decision Framework for Assessing Healthcare Waste Treatment. <i>IEEE Transactions on Engineering Management</i> , 2020 , 1-15	2.6	13
225	A Spline Method based on the Crack Induced Deflection for Bridge Damage Detection. <i>Advances in Engineering Software</i> , 2020 , 149, 102894	3.6	5
224	Evolutionary modelling of the COVID-19 pandemic in fifteen most affected countries. <i>Chaos, Solitons and Fractals</i> , 2020 , 140, 110118	9.3	33
223	Computational intelligence for modeling of asphalt pavement surface distress 2020 , 79-116		3
222	Computational intelligence for modeling of pavement surface characteristics 2020 , 65-77		1
221	SDCF: A Software-Defined Cyber Foraging Framework for Cloudlet Environment. <i>IEEE Transactions on Network and Service Management</i> , 2020 , 17, 2423-2435	4.8	13
220	Data Science in Economics: Comprehensive Review of Advanced Machine Learning and Deep Learning Methods. <i>Mathematics</i> , 2020 , 8, 1799	2.3	37
219	Multiobjective genetic programming for reinforced concrete beam modeling. <i>Applied AI Letters</i> , 2020 , 1, e9	1.2	1

218	COVID-19 Time Series Forecast Using Transmission Rate and Meteorological Parameters as Features. <i>IEEE Computational Intelligence Magazine</i> , 2020 , 15, 34-50	5.6	8
217	R-CNN and wavelet feature extraction for hand gesture recognition with EMG signals. <i>Neural Computing and Applications</i> , 2020 , 32, 16723-16736	4.8	11
216	Bilevel Data-Driven Modeling Framework for High-Dimensional Structural Optimization under Uncertainty Problems. <i>Journal of Structural Engineering</i> , 2020 , 146, 04020245	3	2
215	Improving Cuckoo Search: Incorporating Changes for CEC 2017 and CEC 2020 Benchmark Problems 2020 ,		6
214	Swarm Intelligence Based Feature Selection for Intrusion and Detection System in Cloud Infrastructure 2020 ,		6
213	Nature-Inspired Optimization Algorithms for Text Document Clustering: A Comprehensive Analysis. <i>Algorithms</i> , 2020 , 13, 345	1.8	31
212	Securing e-health records using keyless signature infrastructure blockchain technology in the cloud. <i>Neural Computing and Applications</i> , 2020 , 32, 639-647	4.8	53
211	Classification of stroke disease using machine learning algorithms. <i>Neural Computing and Applications</i> , 2020 , 32, 817-828	4.8	22
210	Optimum design of reinforced earth walls using evolutionary optimization algorithms. <i>Neural Computing and Applications</i> , 2020 , 32, 12079-12102	4.8	3
209	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 73-80	7.3	53
208	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 710-717	10.7	65
207	Hash polynomial two factor decision tree using IoT for smart health care scheduling. <i>Expert Systems With Applications</i> , 2020 , 141, 112924	7.8	26
206	Optimum design of shallow foundation using evolutionary algorithms. <i>Soft Computing</i> , 2020 , 24, 6809-6833	9.3	9
205	Probabilistic neural networks: a brief overview of theory, implementation, and application 2020 , 347-367		12
204	Design of experiments for uncertainty quantification based on polynomial chaos expansion metamodels 2020 , 369-381		2
203	Multi-population differential evolution-assisted Harris hawks optimization: Framework and case studies. <i>Future Generation Computer Systems</i> , 2020 , 111, 175-198	7.5	177
202	Lightning search algorithm: a comprehensive survey. <i>Applied Intelligence</i> , 2020 , 51, 1-24	4.9	17
201	Optimal virtual machine selection for anomaly detection using a swarm intelligence approach. <i>Applied Soft Computing Journal</i> , 2019 , 84, 105686	7.5	13

200	Duo-Stage Decision: A Framework for Filling Missing Values, Consistency Check, and Repair of Decision Matrices in Multicriteria Group Decision Making. <i>IEEE Transactions on Engineering Management</i> , 2019 , 1-13	2.6	3
199	Structural optimization using multi-objective modified adaptive symbiotic organisms search. <i>Expert Systems With Applications</i> , 2019 , 125, 425-441	7.8	68
198	. <i>IEEE Access</i> , 2019 , 7, 18409-18419	3.5	12
197	Automated 3-D lung tumor detection and classification by an active contour model and CNN classifier. <i>Expert Systems With Applications</i> , 2019 , 134, 112-119	7.8	38
196	A deep neural network based classifier for brain tumor diagnosis. <i>Applied Soft Computing Journal</i> , 2019 , 82, 105528	7.5	15
195	. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 5132-5139	10.7	177
194	. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 5577-5584	10.7	115
193	Assistive pointer device for limb impaired people: A novel Frontier Point Method for hand movement recognition. <i>Future Generation Computer Systems</i> , 2019 , 98, 650-659	7.5	5
192	A hybrid computational intelligence approach to predict spectral acceleration. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019 , 138, 578-589	4.6	12
191	Personalised modelling with spiking neural networks integrating temporal and static information. <i>Neural Networks</i> , 2019 , 119, 162-177	9.1	6
190	CCSA: Conscious Neighborhood-based Crow Search Algorithm for Solving Global Optimization Problems. <i>Applied Soft Computing Journal</i> , 2019 , 85, 105583	7.5	51
189	A Shannon entropy approach for structural damage identification based on self-powered sensor data. <i>Engineering Structures</i> , 2019 , 200, 109619	4.7	12
188	Big data analytics in medical imaging using deep learning 2019 ,		2
187	. <i>IEEE Access</i> , 2019 , 7, 30203-30212	3.5	11
186	Using semi-independent variables to enhance optimization search. <i>Expert Systems With Applications</i> , 2019 , 120, 279-297	7.8	6
185	Solving Incremental Optimization Problems via Cooperative Coevolution. <i>IEEE Transactions on Evolutionary Computation</i> , 2019 , 23, 762-775	15.6	4
184	Development of prediction models for shear strength of SFRCB using a machine learning approach. <i>Neural Computing and Applications</i> , 2019 , 31, 2085-2094	4.8	24
183	A comprehensive review of krill herd algorithm: variants, hybrids and applications. <i>Artificial Intelligence Review</i> , 2019 , 51, 119-148	9.7	106

182	Construction Cost Minimization of Shallow Foundation Using Recent Swarm Intelligence Techniques. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 1099-1106	11.9	40
181	Building energy consumption forecast using multi-objective genetic programming. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 118, 164-171	4.6	30
180	Genetic programming for soil-fiber composite assessment. <i>Advances in Engineering Software</i> , 2018 , 122, 50-61	3.6	15
179	The Bat Algorithm, Variants and Some Practical Engineering Applications: A Review. <i>Studies in Computational Intelligence</i> , 2018 , 313-330	0.8	32
178	Automating pseudo-static analysis of concrete cantilever retaining wall using evolutionary algorithms. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018 , 115, 104-124	4.6	22
177	Deep Learning in Medical Imaging 2018 ,		12
176	Genetic Programming Based on Error Decomposition: A Big Data Approach. <i>Genetic and Evolutionary Computation</i> , 2018 , 135-147	0.8	6
175	A hybrid computational approach for seismic energy demand prediction. <i>Expert Systems With Applications</i> , 2018 , 110, 335-351	7.8	9
174	Parameter-less population pyramid for large-scale tower optimization. <i>Expert Systems With Applications</i> , 2018 , 96, 175-184	7.8	5
173	An input/output damage detection method using static equivalent formulation of dynamic vibration. <i>Archives of Civil and Mechanical Engineering</i> , 2018 , 18, 508-514	3.4	4
172	Constrained mean-variance mapping optimization for truss optimization problems. <i>Structural Design of Tall and Special Buildings</i> , 2018 , 27, e1449	1.8	8
171	A Pareto Front Based Evolutionary Model for Airfoil Self-Noise Prediction 2018 ,		3
170	An Evolutionary Online Framework for MOOC Performance Using EEG Data 2018 ,		5
169	Multi-stage optimization of a deep model: A case study on ground motion modeling. <i>PLoS ONE</i> , 2018 , 13, e0203829	3.7	13
168	Probabilistic evolutionary bound constraint handling for particle swarm optimization. <i>Operational Research</i> , 2018 , 18, 801-823	1.6	5
167	Optimized Naive-Bayes and Decision Tree Approaches for fMRI Smoking Cessation Classification. <i>Complexity</i> , 2018 , 2018, 1-24	1.6	14
166	Metaheuristics in Reliability and Risk Analysis. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2018 , 4, 02018001	1.7	
165	Chaotic gravitational constants for the gravitational search algorithm. <i>Applied Soft Computing Journal</i> , 2017 , 53, 407-419	7.5	155

164	GENE EXPRESSION PROGRAMMING APPROACH TO COST ESTIMATION FORMULATION FOR UTILITY PROJECTS. <i>Journal of Civil Engineering and Management</i> , 2017 , 23, 85-95	3	7
163	Retaining wall optimization using interior search algorithm with different bound constraint handling. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2017 , 41, 1304-1331	4	21
162	New prediction models for concrete ultimate strength under true-triaxial stress states: An evolutionary approach. <i>Advances in Engineering Software</i> , 2017 , 110, 55-68	3.6	32
161	Gravitational Search Algorithm With Chaos 2017 , 1-16		1
160	Optimum Design of Composite Concrete Floors Using a Hybrid Genetic Algorithm 2017 , 581-589		1
159	Salp Swarm Algorithm: A bio-inspired optimizer for engineering design problems. <i>Advances in Engineering Software</i> , 2017 , 114, 163-191	3.6	1826
158	High Performance GP-Based Approach for fMRI Big Data Classification 2017 ,		5
157	An evolutionary approach for fMRI big data classification 2017 ,		12
156	A novel hybridization strategy for krill herd algorithm applied to clustering techniques. <i>Applied Soft Computing Journal</i> , 2017 , 60, 423-435	7.5	169
155	Formulation of shear strength of slender RC beams using gene expression programming, part II: With shear reinforcement. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017 , 95, 367-376	4.6	29
154	New formulations for mechanical properties of recycled aggregate concrete using gene expression programming. <i>Construction and Building Materials</i> , 2017 , 130, 122-145	6.7	137
153	Reliability-Based Multiobjective Design Optimization of Reinforced Concrete Bridges Considering Corrosion Effect. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2017 , 3, 04016015	1.7	9
152	Slope stability analysis using evolutionary optimization techniques. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2017 , 41, 251-264	4	34
151	Optimization of retaining wall design using evolutionary algorithms. <i>Structural and Multidisciplinary Optimization</i> , 2017 , 55, 809-825	3.6	35
150	Optimal adjustment of ACI formula for shrinkage of concrete containing pozzolans. <i>Construction and Building Materials</i> , 2017 , 131, 485-495	6.7	4
149	Study of Different Boundary Constraint Handling Schemes in Interior Search Algorithm. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 547-564	0.4	2
148	Adaptive Krill Herd Algorithm for Global Numerical Optimization. <i>Advances in Intelligent Systems and Computing</i> , 2017 , 517-525	0.4	5
147	2016 ,		7

146	A new hybrid method based on krill herd and cuckoo search for global optimisation tasks. <i>International Journal of Bio-Inspired Computation</i> , 2016 , 8, 286	2.9	82
145	A Multi-Stage Krill Herd Algorithm for Global Numerical Optimization. <i>International Journal on Artificial Intelligence Tools</i> , 2016 , 25, 1550030	0.9	39
144	Genetic programming for experimental big data mining: A case study on concrete creep formulation. <i>Automation in Construction</i> , 2016 , 70, 89-97	9.6	57
143	Prediction of peak ground acceleration of Iran's tectonic regions using a hybrid soft computing technique. <i>Geoscience Frontiers</i> , 2016 , 7, 75-82	6	27
142	Hybridizing harmony search algorithm with cuckoo search for global numerical optimization. <i>Soft Computing</i> , 2016 , 20, 273-285	3.5	186
141	Imperialistic Competitive Algorithm: A metaheuristic algorithm for locating the critical slip surface in 2-Dimensional soil slopes. <i>Geoscience Frontiers</i> , 2016 , 7, 83-89	6	48
140	Chaotic cuckoo search. <i>Soft Computing</i> , 2016 , 20, 3349-3362	3.5	153
139	Ductility reduction factor and collapse mechanism evaluation of a new steel knee braced frame. <i>Structure and Infrastructure Engineering</i> , 2016 , 12, 239-255	2.9	10
138	A hybrid method based on krill herd and quantum-behaved particle swarm optimization. <i>Neural Computing and Applications</i> , 2016 , 27, 989-1006	4.8	94
137	A hybrid damage detection method using dynamic-reduction transformation matrix and modal force error. <i>Engineering Structures</i> , 2016 , 111, 425-434	4.7	16
136	Opposition-based krill herd algorithm with Cauchy mutation and position clamping. <i>Neurocomputing</i> , 2016 , 177, 147-157	5.4	120
135	Machine learning in geosciences and remote sensing. <i>Geoscience Frontiers</i> , 2016 , 7, 3-10	6	472
134	A new hybrid method based on krill herd and cuckoo search for global optimisation tasks. <i>International Journal of Bio-Inspired Computation</i> , 2016 , 8, 286	2.9	6
133	A Hybrid Meta-Heuristic Method Based on Firefly Algorithm and Krill Herd. <i>Advances in Computer and Electrical Engineering Book Series</i> , 2016 , 505-524	0.3	5
132	Risk analysis of BOT contracts using soft computing. <i>Journal of Civil Engineering and Management</i> , 2016 , 23, 232-240	3	4
131	Hybridizing Cuckoo Search with Bio-inspired Algorithms for Constrained Optimization Problems. <i>Lecture Notes in Computer Science</i> , 2016 , 260-273	0.9	3
130	New Formulation of Compressive Strength of Preformed-Foam Cellular Concrete: An Evolutionary Approach. <i>Journal of Materials in Civil Engineering</i> , 2016 , 28, 04016092	3	28
129	Optimum design of frame structures using the Eagle Strategy with Differential Evolution. <i>Engineering Structures</i> , 2015 , 91, 16-25	4.7	42

128	Assessment of artificial neural network and genetic programming as predictive tools. <i>Advances in Engineering Software</i> , 2015 , 88, 63-72	3.6	138
127	NEW DESIGN EQUATIONS FOR ELASTIC MODULUS OF CONCRETE USING MULTI EXPRESSION PROGRAMMING. <i>Journal of Civil Engineering and Management</i> , 2015 , 21, 761-774	3	28
126	Next-Generation Models for Evaluation of the Flow Number of Asphalt Mixtures. <i>International Journal of Geomechanics</i> , 2015 , 15, 04015009	3.1	7
125	AN INTRODUCTION OF KRILL HERD ALGORITHM FOR ENGINEERING OPTIMIZATION. <i>Journal of Civil Engineering and Management</i> , 2015 , 22, 302-310	3	21
124	Boundary Constraint Handling Affection on Slope Stability Analysis. <i>Computational Methods in Applied Sciences (Springer)</i> , 2015 , 341-358	0.4	16
123	Optimization of retaining wall design using recent swarm intelligence techniques. <i>Engineering Structures</i> , 2015 , 103, 72-84	4.7	46
122	Coupled SelfSim and genetic programming for non-linear material constitutive modelling. <i>Inverse Problems in Science and Engineering</i> , 2015 , 23, 1101-1119	1.3	4
121	Slope stability analyzing using recent swarm intelligence techniques. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2015 , 39, 295-309	4	31
120	Solutions of Non-smooth Economic Dispatch Problems by Swarm Intelligence. <i>Adaptation, Learning, and Optimization</i> , 2015 , 129-146	0.7	7
119	A Hybrid PBIL-Based Krill Herd Algorithm 2015 ,		7
118	Coagulation modeling using artificial neural networks to predict both turbidity and DOM-PARAFAC component removal. <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 2829-2838	6.8	32
117	Study of Lagrangian and Evolutionary Parameters in Krill Herd Algorithm. <i>Adaptation, Learning, and Optimization</i> , 2015 , 111-128	0.7	7
116	Reactive Power and Voltage Control Based on Mesh Adaptive Direct Search Algorithm. <i>Computational Methods in Applied Sciences (Springer)</i> , 2015 , 217-231	0.4	0
115	Hybrid krill herd algorithm with differential evolution for global numerical optimization. <i>Neural Computing and Applications</i> , 2014 , 25, 297-308	4.8	143
114	Stud krill herd algorithm. <i>Neurocomputing</i> , 2014 , 128, 363-370	5.4	178
113	Formulation of shear strength of slender RC beams using gene expression programming, part I: Without shear reinforcement. <i>Automation in Construction</i> , 2014 , 42, 112-121	9.6	48
112	Linear genetic programming for shear strength prediction of reinforced concrete beams without stirrups. <i>Applied Soft Computing Journal</i> , 2014 , 19, 112-120	7.5	38
111	A new improved krill herd algorithm for global numerical optimization. <i>Neurocomputing</i> , 2014 , 138, 392-402	3.4	120

110	Interior search algorithm (ISA): a novel approach for global optimization. <i>ISA Transactions</i> , 2014 , 53, 1168-83	5.3	275
109	An effective krill herd algorithm with migration operator in biogeography-based optimization. <i>Applied Mathematical Modelling</i> , 2014 , 38, 2454-2462	4.5	187
108	Chaotic Krill Herd algorithm. <i>Information Sciences</i> , 2014 , 274, 17-34	7.7	380
107	Chaotic bat algorithm. <i>Journal of Computational Science</i> , 2014 , 5, 224-232	3.4	325
106	A simple modelling approach for prediction of standard state real gas entropy of pure materials. <i>SAR and QSAR in Environmental Research</i> , 2014 , 25, 695-710	3.5	10
105	Seismic Response Prediction of Self-Centering, Concentrically-Braced Frames Using Genetic Programming 2014 ,		3
104	A novel improved accelerated particle swarm optimization algorithm for global numerical optimization. <i>Engineering Computations</i> , 2014 , 31, 1198-1220	1.4	102
103	A Novel Cuckoo Search with Chaos Theory and Elitism Scheme 2014 ,		6
102	Engineering optimization using interior search algorithm 2014 ,		11
101	Multigene Genetic Programming for Estimation of Elastic Modulus of Concrete. <i>Mathematical Problems in Engineering</i> , 2014 , 2014, 1-10	1.1	11
100	Optimum design of tower structures using Firefly Algorithm. <i>Structural Design of Tall and Special Buildings</i> , 2014 , 23, 350-361	1.8	61
99	An innovative approach for modeling of hysteretic energy demand in steel moment resisting frames. <i>Neural Computing and Applications</i> , 2014 , 24, 1285-1291	4.8	10
98	Design optimization of truss structures using cuckoo search algorithm. <i>Structural Design of Tall and Special Buildings</i> , 2013 , 22, 1330-1349	1.8	103
97	Multi-expression programming based model for prediction of formation enthalpies of nitro-energetic materials. <i>Expert Systems</i> , 2013 , 30, 66-78	2.1	15
96	A Review on Traditional and Modern Structural Optimization 2013 , 25-47		30
95	Structural Optimization Using Krill Herd Algorithm 2013 , 335-349		14
94	Bat algorithm for constrained optimization tasks. <i>Neural Computing and Applications</i> , 2013 , 22, 1239-1255	4.8	336
93	Design equations for prediction of pressuremeter soil deformation moduli utilizing expression programming systems. <i>Neural Computing and Applications</i> , 2013 , 23, 1771-1786	4.8	43

92	A multi-stage particle swarm for optimum design of truss structures. <i>Neural Computing and Applications</i> , 2013 , 23, 1297-1309	4.8	67
91	New design equations for assessment of load carrying capacity of castellated steel beams: a machine learning approach. <i>Neural Computing and Applications</i> , 2013 , 23, 119-131	4.8	14
90	An evolutionary approach for modeling of shear strength of RC deep beams. <i>Materials and Structures/Materiaux Et Constructions</i> , 2013 , 46, 2109-2119	3.4	127
89	Formulation of soil angle of shearing resistance using a hybrid GP and OLS method. <i>Engineering With Computers</i> , 2013 , 29, 37-53	4.5	10
88	Genetic programming for moment capacity modeling of ferrocement members. <i>Engineering Structures</i> , 2013 , 57, 169-176	4.7	18
87	An empirical model for shear capacity of RC deep beams using genetic-simulated annealing. <i>Archives of Civil and Mechanical Engineering</i> , 2013 , 13, 354-369	3.4	33
86	A chaotic particle-swarm krill herd algorithm for global numerical optimization. <i>Kybernetes</i> , 2013 , 42, 962-978	2	99
85	Numerical modeling of concrete strength under multiaxial confinement pressures using linear genetic programming. <i>Automation in Construction</i> , 2013 , 36, 136-144	9.6	22
84	Expression Programming Techniques for Formulation of Structural Engineering Systems 2013 , 439-455		11
83	Cuckoo search algorithm: a metaheuristic approach to solve structural optimization problems. <i>Engineering With Computers</i> , 2013 , 29, 17-35	4.5	1163
82	Metaheuristic Algorithms in Modeling and Optimization 2013 , 1-24		71
81	Firefly algorithm with chaos. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013 , 18, 89-98	3.7	558
80	Chaos-enhanced accelerated particle swarm optimization. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013 , 18, 327-340	3.7	259
79	Stress sensing performance using mechanoluminescence of SrAl ₂ O ₄ :Eu (SAOE) and SrAl ₂ O ₄ :Eu, Dy (SAOED) under mechanical loadings. <i>Smart Materials and Structures</i> , 2013 , 22, 055006	3.4	46
78	Krill herd algorithm for optimum design of truss structures. <i>International Journal of Bio-Inspired Computation</i> , 2013 , 5, 281	2.9	47
77	Simulated Annealing-Based Krill Herd Algorithm for Global Optimization. <i>Abstract and Applied Analysis</i> , 2013 , 2013, 1-11	0.7	17
76	Fly-Flight Krill Herd Algorithm. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-14	1.1	41
75	Linear and Tree-Based Genetic Programming for Solving Geotechnical Engineering Problems 2013 , 289-310		12

74	Decision tree approach for soil liquefaction assessment. <i>Scientific World Journal, The</i> , 2013 , 2013, 346285.2	25
73	Intelligent Modeling and Prediction of Elastic Modulus of Concrete Strength via Gene Expression Programming. <i>Lecture Notes in Computer Science</i> , 2013 , 564-571	0.9 7
72	Discussion on Prediction of shear strength parameters of soils using artificial neural networks and multivariate regression methods. <i>Engineering Geology</i> , 2012 , 137-138, 107-108	6 2
71	Short-term load forecasting of power systems by gene expression programming. <i>Neural Computing and Applications</i> , 2012 , 21, 377-389	4.8 28
70	A new multi-gene genetic programming approach to nonlinear system modeling. Part I: materials and structural engineering problems. <i>Neural Computing and Applications</i> , 2012 , 21, 171-187	4.8 179
69	A new multi-gene genetic programming approach to non-linear system modeling. Part II: geotechnical and earthquake engineering problems. <i>Neural Computing and Applications</i> , 2012 , 21, 189-201	4.8 123
68	Evolutionary boundary constraint handling scheme. <i>Neural Computing and Applications</i> , 2012 , 21, 1449-1462	4.6 46
67	Simple yet accurate prediction method for sublimation enthalpies of organic contaminants using their molecular structure. <i>Thermochimica Acta</i> , 2012 , 543, 96-106	2.9 31
66	Discussion on Models to predict the deformation modulus and the coefficient of subgrade reaction for earth filling structures by Ismail Dinçer [Adv. Eng. Software 42 (2011) 160-171]. <i>Advances in Engineering Software</i> , 2012 , 52, 44-46	3.6 2
65	Krill herd: A new bio-inspired optimization algorithm. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 4831-4845	3.7 1162
64	Energy-based numerical models for assessment of soil liquefaction. <i>Geoscience Frontiers</i> , 2012 , 3, 541-555	73
63	Novel Approach to Strength Modeling of Concrete under Triaxial Compression. <i>Journal of Materials in Civil Engineering</i> , 2012 , 24, 1132-1143	3 75
62	Bat algorithm: a novel approach for global engineering optimization. <i>Engineering Computations</i> , 2012 , 29, 464-483	1.4 906
61	Formulation of secant and reloading soil deformation moduli using multi expression programming. <i>Engineering Computations</i> , 2012 , 29, 173-197	1.4 11
60	A new predictive model for compressive strength of HPC using gene expression programming. <i>Advances in Engineering Software</i> , 2012 , 45, 105-114	3.6 119
59	Coupled eagle strategy and differential evolution for unconstrained and constrained global optimization. <i>Computers and Mathematics With Applications</i> , 2012 , 63, 191-200	2.7 100
58	Firefly Algorithm for solving non-convex economic dispatch problems with valve loading effect. <i>Applied Soft Computing Journal</i> , 2012 , 12, 1180-1186	7.5 440
57	Imperialist competitive algorithm combined with chaos for global optimization. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 1312-1319	3.7 183

56	Reply to Comments on Empirical modelling of plate load test moduli of soil via gene expression programming by Ali Mollahasani, Amir Hossein Alavi, Amir Hossein Gandomi [Computers and Geotechnics 38 (2011) 281-286]. <i>Computers and Geotechnics</i> , 2012 , 39, 73-74	4.4	
55	A Genetic Programming-Based Approach for the Performance Characteristics Assessment of Stabilized Soil 2012 , 343-376		7
54	New Ground-Motion Prediction Equations Using Multi Expression Programming. <i>Journal of Earthquake Engineering</i> , 2011 , 15, 511-536	1.8	33
53	Nonlinear Genetic-Based Models for Prediction of Flow Number of Asphalt Mixtures. <i>Journal of Materials in Civil Engineering</i> , 2011 , 23, 248-263	3	178
52	A robust data mining approach for formulation of geotechnical engineering systems. <i>Engineering Computations</i> , 2011 , 28, 242-274	1.4	179
51	Benchmark Problems in Structural Optimization. <i>Studies in Computational Intelligence</i> , 2011 , 259-281	0.8	37
50	Multi-stage genetic programming: A new strategy to nonlinear system modeling. <i>Information Sciences</i> , 2011 , 181, 5227-5239	7.7	178
49	Mixed variable structural optimization using Firefly Algorithm. <i>Computers and Structures</i> , 2011 , 89, 2325-2336	4.3	537
48	Prediction of principal ground-motion parameters using a hybrid method coupling artificial neural networks and simulated annealing. <i>Computers and Structures</i> , 2011 , 89, 2176-2194	4.5	160
47	A hybrid computational approach to formulate soil deformation moduli obtained from PLT. <i>Engineering Geology</i> , 2011 , 123, 324-332	6	12
46	Nonlinear genetic-based simulation of soil shear strength parameters. <i>Journal of Earth System Science</i> , 2011 , 120, 1001-1022	1.8	18
45	A robust predictive model for base shear of steel frame structures using a hybrid genetic programming and simulated annealing method. <i>Neural Computing and Applications</i> , 2011 , 20, 1321-1332	4.8	19
44	Formulation of uplift capacity of suction caissons using multi expression programming. <i>KSCE Journal of Civil Engineering</i> , 2011 , 15, 363-373	1.9	29
43	Nonlinear neural-based modeling of soil cohesion intercept. <i>KSCE Journal of Civil Engineering</i> , 2011 , 15, 831-840	1.9	22
42	A hybrid computational approach to derive new ground-motion prediction equations. <i>Engineering Applications of Artificial Intelligence</i> , 2011 , 24, 717-732	7.2	78
41	Genetic-based modeling of uplift capacity of suction caissons. <i>Expert Systems With Applications</i> , 2011 , 38, 12608-12618	7.8	43
40	HYBRID GENETIC PROGRAMMING-BASED SEARCH ALGORITHMS FOR ENTERPRISE BANKRUPTCY PREDICTION. <i>Applied Artificial Intelligence</i> , 2011 , 25, 669-692	2.3	8
39	Empirical modeling of plate load test moduli of soil via gene expression programming. <i>Computers and Geotechnics</i> , 2011 , 38, 281-286	4.4	73

38	Formulation of flow number of asphalt mixes using a hybrid computational method. <i>Construction and Building Materials</i> , 2011 , 25, 1338-1355	6.7	132
37	Permanent deformation analysis of asphalt mixtures using soft computing techniques. <i>Expert Systems With Applications</i> , 2011 , 38, 6081-6100	7.8	64
36	Combined heat and power economic dispatch by mesh adaptive direct search algorithm. <i>Expert Systems With Applications</i> , 2011 , 38, 6556-6564	7.8	51
35	A new prediction model for the load capacity of castellated steel beams. <i>Journal of Constructional Steel Research</i> , 2011 , 67, 1096-1105	3.8	74
34	Applications of Computational Intelligence in Behavior Simulation of Concrete Materials. <i>Studies in Computational Intelligence</i> , 2011 , 221-243	0.8	13
33	Nonlinear modeling of shear strength of SFRC beams using linear genetic programming. <i>Structural Engineering and Mechanics</i> , 2011 , 38, 1-25		64
32	A dynamic nondestructive damage detection methodology for orthotropic plate structures. <i>Structural Engineering and Mechanics</i> , 2011 , 39, 223-239		1
31	Discussion of Economic Load Dispatch A Comparative Study on Heuristic Optimization Techniques With an Improved Coordinated Aggregation-Based PSO IEEE Transactions on Power Systems, 2010 , 25, 590-590	7	7
30	Modeling of maximum dry density and optimum moisture content of stabilized soil using artificial neural networks. <i>Journal of Plant Nutrition and Soil Science</i> , 2010 , 173, 368-379	2.3	69
29	Discussion: Neural network Genetic programming for sediment transport. <i>Proceedings of the Institution of Civil Engineers: Maritime Engineering</i> , 2010 , 163, 135-136	1.8	
28	Genetic programming and orthogonal least squares: a hybrid approach to modeling the compressive strength of CFRP-confined concrete cylinders. <i>Journal of Mechanics of Materials and Structures</i> , 2010 , 5, 735-753	1.2	49
27	New formulation for compressive strength of CFRP confined concrete cylinders using linear genetic programming. <i>Materials and Structures/Materiaux Et Constructions</i> , 2010 , 43, 963-983	3.4	93
26	Multi expression programming: a new approach to formulation of soil classification. <i>Engineering With Computers</i> , 2010 , 26, 111-118	4.5	83
25	Discussion on Enhancement of combined heat and power economic dispatch using self adaptive real-coded genetic algorithm, by P. Subbaraj et al., Applied Energy 86 (2009) 915-921. Applied Energy, 2010 , 87, 1459	10.7	5
24	Formulation of elastic modulus of concrete using linear genetic programming. <i>Journal of Mechanical Science and Technology</i> , 2010 , 24, 1273-1278	1.6	36
23	Discussion on Alternative data-driven methods to estimate wind from waves by inverse modeling by Mansi Daga, M. C. Deo [Natural Hazards (2008) NHAZ 524, Article 9299, DOI 10.1007/s11069-008-9299-2]. <i>Natural Hazards</i> , 2010 , 52, 671-673	3	
22	Comment on Sivapragasam C, Maheswaran R, Venkatesh V. 2008. Genetic programming approach for flood routing in natural channels. <i>Hydrological Processes</i> 22: 623-628. <i>Hydrological Processes</i> , 2010 , 24, 798-799	3.3	5
21	Discussion on Soft computing approach for real-time estimation of missing wave heights by S.N. Londhe [Ocean Engineering 35 (2008) 1080-1089]. <i>Ocean Engineering</i> , 2010 , 37, 1239-1240	3.9	13

20	A computational intelligence-based approach for short-term traffic flow prediction. <i>Expert Systems</i> , 2010 , 29, no-no	2.1	6
19	High-precision modeling of uplift capacity of suction caissons using a hybrid computational method. <i>Geomechanics and Engineering</i> , 2010 , 2, 253-280		19
18	Modeling of compressive strength of HPC mixes using a combined algorithm of genetic programming and orthogonal least squares. <i>Structural Engineering and Mechanics</i> , 2010 , 36, 225-241		27
17	A data mining approach to compressive strength of CFRP-confined concrete cylinders. <i>Structural Engineering and Mechanics</i> , 2010 , 36, 759-783		8
16	Prediction of maximum dry density and optimum moisture content of stabilised soil using RBF neural networks. <i>IES Journal Part A: Civil and Structural Engineering</i> , 2009 , 2, 98-106		22
15	A Radial Basis Function Neural Network Approach for Compressive Strength Prediction of Stabilized Soil 2009 ,		5
14	Behavior appraisal of steel semi-rigid joints using Linear Genetic Programming. <i>Journal of Constructional Steel Research</i> , 2009 , 65, 1738-1750	3.8	32
13	Discussion on Predicting the shear strength of reinforced concrete beams using artificial neural networks by M.Y. Mansour, M. Dicleli, J.Y. Lee, J. Zhang [Eng Struct 26 (2004) 781-799]. <i>Engineering Structures</i> , 2009 , 31, 2801	4.7	
12	A Discussion on Genetic programming for retrieving missing information in wave records along the west coast of India [Applied Ocean Research 2007; 29 (3): 99-111]. <i>Applied Ocean Research</i> , 2008 , 30, 338-339	3.4	16
11	A Comprehensive Survey on the Recent Variants and Applications of Membrane-Inspired Evolutionary Algorithms. <i>Archives of Computational Methods in Engineering</i> , 1	7.8	2
10	Black hole algorithm: A comprehensive survey. <i>Applied Intelligence</i> , 1	4.9	0
9	Using genetic programming on GPS trajectories for travel mode detection. <i>IET Intelligent Transport Systems</i> ,	2.4	2
8	Quaternion analysis of beam multi-type vibration data for damage detection. <i>Structural Control and Health Monitoring</i> , e2867	4.5	
7	A quantum mutation-based backtracking search algorithm. <i>Artificial Intelligence Review</i> , 1	9.7	1
6	TBM performance prediction developing a hybrid ANFIS-PNN predictive model optimized by imperialism competitive algorithm. <i>Neural Computing and Applications</i> , 1	4.8	8
5	Population-based optimization in structural engineering: a review. <i>Artificial Intelligence Review</i> , 1	9.7	5
4	Evolutionary and swarm intelligence algorithms on pavement maintenance and rehabilitation planning. <i>International Journal of Pavement Engineering</i> , 1-15	2.6	8
3	Gaussian relevance vector MapReduce-based annealed Glowworm optimization for big medical data scheduling. <i>Journal of the Operational Research Society</i> , 1-12	2	0

2	Optimal Water Allocation from Subsurface Dams: A Risk-Based Optimization Approach. <i>Water Resources Management</i> ,1	3-7	2
1	A novel evolutionary learning to prepare sustainable concrete mixtures with supplementary cementitious materials. <i>Environment, Development and Sustainability</i> ,1	4-5	2