

Amir Gandomi

List of Publications by Citations

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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	Salp Swarm Algorithm: A bio-inspired optimizer for engineering design problems. <i>Advances in Engineering Software</i> , 2017 , 114, 163-191	3.6	1826
378	Cuckoo search algorithm: a metaheuristic approach to solve structural optimization problems. <i>Engineering With Computers</i> , 2013 , 29, 17-35	4.5	1163
377	Krill herd: A new bio-inspired optimization algorithm. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 4831-4845	3.7	1162
376	Bat algorithm: a novel approach for global engineering optimization. <i>Engineering Computations</i> , 2012 , 29, 464-483	1.4	906
375	Firefly algorithm with chaos. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013 , 18, 89-98	3.7	558
374	Mixed variable structural optimization using Firefly Algorithm. <i>Computers and Structures</i> , 2011 , 89, 2325-2336	4.3	537
373	The Arithmetic Optimization Algorithm. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021 , 376, 113609	5.7	500
372	Marine Predators Algorithm: A nature-inspired metaheuristic. <i>Expert Systems With Applications</i> , 2020 , 152, 113377	7.8	472
371	Machine learning in geosciences and remote sensing. <i>Geoscience Frontiers</i> , 2016 , 7, 3-10	6	472
370	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
369	Chaotic Krill Herd algorithm. <i>Information Sciences</i> , 2014 , 274, 17-34	7.7	380
368	Aquila Optimizer: A novel meta-heuristic optimization algorithm. <i>Computers and Industrial Engineering</i> , 2021 , 157, 107250	6.4	347
367	Bat algorithm for constrained optimization tasks. <i>Neural Computing and Applications</i> , 2013 , 22, 1239-1255	4.8	336
366	Chaotic bat algorithm. <i>Journal of Computational Science</i> , 2014 , 5, 224-232	3.4	325
365	Interior search algorithm (ISA): a novel approach for global optimization. <i>ISA Transactions</i> , 2014 , 53, 1168-1183	3.3	275
364	Chaos-enhanced accelerated particle swarm optimization. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013 , 18, 327-340	3.7	259
363	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

362	An effective krill herd algorithm with migration operator in biogeography-based optimization. <i>Applied Mathematical Modelling</i> , 2014 , 38, 2454-2462	4.5	187
361	Hybridizing harmony search algorithm with cuckoo search for global numerical optimization. <i>Soft Computing</i> , 2016 , 20, 273-285	3.5	186
360	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
359	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
358	A robust data mining approach for formulation of geotechnical engineering systems. <i>Engineering Computations</i> , 2011 , 28, 242-274	1.4	179
357	Stud krill herd algorithm. <i>Neurocomputing</i> , 2014 , 128, 363-370	5.4	178
356	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
355	Multi-stage genetic programming: A new strategy to nonlinear system modeling. <i>Information Sciences</i> , 2011 , 181, 5227-5239	7.7	178
354	. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 5132-5139	10.7	177
353	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
352	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
351	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
350	Chaotic gravitational constants for the gravitational search algorithm. <i>Applied Soft Computing Journal</i> , 2017 , 53, 407-419	7.5	155
349	Chaotic cuckoo search. <i>Soft Computing</i> , 2016 , 20, 3349-3362	3.5	153
348	Hybrid krill herd algorithm with differential evolution for global numerical optimization. <i>Neural Computing and Applications</i> , 2014 , 25, 297-308	4.8	143
347	Assessment of artificial neural network and genetic programming as predictive tools. <i>Advances in Engineering Software</i> , 2015 , 88, 63-72	3.6	138
346	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
345	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

344	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
343	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
342	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
341	Opposition-based krill herd algorithm with Cauchy mutation and position clamping. <i>Neurocomputing</i> , 2016 , 177, 147-157	5.4	120
340	A new improved krill herd algorithm for global numerical optimization. <i>Neurocomputing</i> , 2014 , 138, 392-402	4.2	120
339	Reptile Search Algorithm (RSA): A nature-inspired meta-heuristic optimizer. <i>Expert Systems With Applications</i> , 2021 , 116158	7.8	120
338	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
337	. <i>IEEE Internet of Things Journal</i> , 2019 , 6, 5577-5584	10.7	115
336	A comprehensive review of krill herd algorithm: variants, hybrids and applications. <i>Artificial Intelligence Review</i> , 2019 , 51, 119-148	9.7	106
335	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
334	A novel improved accelerated particle swarm optimization algorithm for global numerical optimization. <i>Engineering Computations</i> , 2014 , 31, 1198-1220	1.4	102
333	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
332	A chaotic particle-swarm krill herd algorithm for global numerical optimization. <i>Kybernetes</i> , 2013 , 42, 962-978	2	99
331	. <i>IEEE Transactions on Multimedia</i> , 2021 , 23, 2188-2198	6.6	98
330	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
329	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
328	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
327	Multi expression programming: a new approach to formulation of soil classification. <i>Engineering With Computers</i> , 2010 , 26, 111-118	4.5	83

326	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
325	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
324	The Colony Predation Algorithm. <i>Journal of Bionic Engineering</i> , 2021 , 18, 674-710	2.7	77
323	Novel Approach to Strength Modeling of Concrete under Triaxial Compression. <i>Journal of Materials in Civil Engineering</i> , 2012 , 24, 1132-1143	3	75
322	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
321	Energy-based numerical models for assessment of soil liquefaction. <i>Geoscience Frontiers</i> , 2012 , 3, 541-556		73
320	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
319	Metaheuristic Algorithms in Modeling and Optimization 2013 , 1-24		71
318	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
317	Structural optimization using multi-objective modified adaptive symbiotic organisms search. <i>Expert Systems With Applications</i> , 2019 , 125, 425-441	7.8	68
316	A multi-stage particle swarm for optimum design of truss structures. <i>Neural Computing and Applications</i> , 2013 , 23, 1297-1309	4.8	67
315	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
314	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 710-717	10.7	65
313	Permanent deformation analysis of asphalt mixtures using soft computing techniques. <i>Expert Systems With Applications</i> , 2011 , 38, 6081-6100	7.8	64
312	Nonlinear modeling of shear strength of SFRC beams using linear genetic programming. <i>Structural Engineering and Mechanics</i> , 2011 , 38, 1-25		64
311	Optimum design of tower structures using Firefly Algorithm. <i>Structural Design of Tall and Special Buildings</i> , 2014 , 23, 350-361	1.8	61
310	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
309	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

308	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
307	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 73-80	7.3	53
306	A Survey of Learning-Based Intelligent Optimization Algorithms. <i>Archives of Computational Methods in Engineering</i> , 2021 , 28, 3781-3799	7.8	52
305	A survey of evolutionary computation for association rule mining. <i>Information Sciences</i> , 2020 , 524, 318-357	7.7	51
304	CCSA: Conscious Neighborhood-based Crow Search Algorithm for Solving Global Optimization Problems. <i>Applied Soft Computing Journal</i> , 2019 , 85, 105583	7.5	51
303	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
302	. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 881-888	10.7	51
301	A Novel Evolutionary Arithmetic Optimization Algorithm for Multilevel Thresholding Segmentation of COVID-19 CT Images. <i>Processes</i> , 2021 , 9, 1155	2.9	50
300	. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	50
299	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
298	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
297	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
296	Krill herd algorithm for optimum design of truss structures. <i>International Journal of Bio-Inspired Computation</i> , 2013 , 5, 281	2.9	47
295	Optimization of retaining wall design using recent swarm intelligence techniques. <i>Engineering Structures</i> , 2015 , 103, 72-84	4.7	46
294	Evolutionary boundary constraint handling scheme. <i>Neural Computing and Applications</i> , 2012 , 21, 1449-1462	4.6	46
293	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
292	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
291	Genetic-based modeling of uplift capacity of suction caissons. <i>Expert Systems With Applications</i> , 2011 , 38, 12608-12618	7.8	43

290	A review on COVID-19 forecasting models. <i>Neural Computing and Applications</i> , 2021 , 1-11	4.8	43
289	Optimum design of frame structures using the Eagle Strategy with Differential Evolution. <i>Engineering Structures</i> , 2015 , 91, 16-25	4.7	42
288	Fly-Flight Krill Herd Algorithm. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-14	1.1	41
287	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
286	QANA: Quantum-based avian navigation optimizer algorithm. <i>Engineering Applications of Artificial Intelligence</i> , 2021 , 104, 104314	7.2	40
285	A Multi-Stage Krill Herd Algorithm for Global Numerical Optimization. <i>International Journal on Artificial Intelligence Tools</i> , 2016 , 25, 1550030	0.9	39
284	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
283	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
282	Benchmark Problems in Structural Optimization. <i>Studies in Computational Intelligence</i> , 2011 , 259-281	0.8	37
281	Data Science in Economics: Comprehensive Review of Advanced Machine Learning and Deep Learning Methods. <i>Mathematics</i> , 2020 , 8, 1799	2.3	37
280	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
279	Partial derivative Nonlinear Global Pandemic Machine Learning prediction of COVID 19. <i>Chaos, Solitons and Fractals</i> , 2020 , 139, 110056	9.3	36
278	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
277	INFO: An efficient optimization algorithm based on weighted mean of vectors. <i>Expert Systems With Applications</i> , 2022 , 195, 116516	7.8	36
276	Optimization of retaining wall design using evolutionary algorithms. <i>Structural and Multidisciplinary Optimization</i> , 2017 , 55, 809-825	3.6	35
275	Evaluating the Quality of Machine Learning Explanations: A Survey on Methods and Metrics. <i>Electronics (Switzerland)</i> , 2021 , 10, 593	2.6	35
274	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
273	Slope stability analysis using evolutionary optimization techniques. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2017 , 41, 251-264	4	34

272	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
271	New Ground-Motion Prediction Equations Using Multi Expression Programing. <i>Journal of Earthquake Engineering</i> , 2011 , 15, 511-536	1.8	33
270	Evolutionary modelling of the COVID-19 pandemic in fifteen most affected countries. <i>Chaos, Solitons and Fractals</i> , 2020 , 140, 110118	9.3	33
269	Multi-objective heat transfer search algorithm for truss optimization. <i>Engineering With Computers</i> , 2021 , 37, 641-662	4.5	33
268	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
267	The Bat Algorithm, Variants and Some Practical Engineering Applications: A Review. <i>Studies in Computational Intelligence</i> , 2018 , 313-330	0.8	32
266	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
265	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
264	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
263	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
262	Nature-Inspired Optimization Algorithms for Text Document Clustering: A Comprehensive Analysis. <i>Algorithms</i> , 2020 , 13, 345	1.8	31
261	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
260	A Review on Traditional and Modern Structural Optimization 2013 , 25-47		30
259	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
258	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
257	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
256	Short-term load forecasting of power systems by gene expression programming. <i>Neural Computing and Applications</i> , 2012 , 21, 377-389	4.8	28
255	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

254	Towards Precision Agriculture: IoT-Enabled Intelligent Irrigation Systems Using Deep Learning Neural Network. <i>IEEE Sensors Journal</i> , 2021 , 21, 17479-17491	4	28
253	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
252	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
251	Advances in Meta-Heuristic Optimization Algorithms in Big Data Text Clustering. <i>Electronics (Switzerland)</i> , 2021 , 10, 101	2.6	27
250	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
249	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
248	Decision tree approach for soil liquefaction assessment. <i>Scientific World Journal, The</i> , 2013 , 2013, 346285.2		25
247	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
246	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
245	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
244	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
243	Nonlinear neural-based modeling of soil cohesion intercept. <i>KSCE Journal of Civil Engineering</i> , 2011 , 15, 831-840	1.9	22
242	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
241	Classification of stroke disease using machine learning algorithms. <i>Neural Computing and Applications</i> , 2020 , 32, 817-828	4.8	22
240	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
239	AN INTRODUCTION OF KRILL HERD ALGORITHM FOR ENGINEERING OPTIMIZATION. <i>Journal of Civil Engineering and Management</i> , 2015 , 22, 302-310	3	21
238	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
237	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

236	Material Generation Algorithm: A Novel Metaheuristic Algorithm for Optimization of Engineering Problems. <i>Processes</i> , 2021 , 9, 859	2.9	21
235	Improved salient object detection using hybrid Convolution Recurrent Neural Network. <i>Expert Systems With Applications</i> , 2021 , 166, 114064	7.8	20
234	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
233	High-precision modeling of uplift capacity of suction caissons using a hybrid computational method. <i>Geomechanics and Engineering</i> , 2010 , 2, 253-280		19
232	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
231	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
230	Genetic programming for moment capacity modeling of ferrocement members. <i>Engineering Structures</i> , 2013 , 57, 169-176	4.7	18
229	Nonlinear genetic-based simulation of soil shear strength parameters. <i>Journal of Earth System Science</i> , 2011 , 120, 1001-1022	1.8	18
228	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
227	Simulated Annealing-Based Krill Herd Algorithm for Global Optimization. <i>Abstract and Applied Analysis</i> , 2013 , 2013, 1-11	0.7	17
226	Lightning search algorithm: a comprehensive survey. <i>Applied Intelligence</i> , 2020 , 51, 1-24	4.9	17
225	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
224	Boundary Constraint Handling Affection on Slope Stability Analysis. <i>Computational Methods in Applied Sciences (Springer)</i> , 2015 , 341-358	0.4	16
223	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
222	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
221	Self adaptive cuckoo search: Analysis and experimentation. <i>Swarm and Evolutionary Computation</i> , 2021 , 60, 100751	9.8	16
220	A deep neural network based classifier for brain tumor diagnosis. <i>Applied Soft Computing Journal</i> , 2019 , 82, 105528	7.5	15
219	Genetic programming for soil-fiber composite assessment. <i>Advances in Engineering Software</i> , 2018 , 122, 50-61	3.6	15

218	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
217	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
216	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
215	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
214	Structural Optimization Using Krill Herd Algorithm 2013 , 335-349		14
213	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
212	A robust drug recall supply chain management system using hyperledger blockchain ecosystem. <i>Computers in Biology and Medicine</i> , 2021 , 140, 105100	7	14
211	Consolidation assessment using Multi Expression Programming. <i>Applied Soft Computing Journal</i> , 2020 , 86, 105842	7.5	14
210	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
209	Optimized Naive-Bayes and Decision Tree Approaches for fMRI Smoking Cessation Classification. <i>Complexity</i> , 2018 , 2018, 1-24	1.6	14
208	Prediction error of Johansen cointegration residuals for structural health monitoring. <i>Mechanical Systems and Signal Processing</i> , 2021 , 160, 107847	7.8	14
207	Optimal virtual machine selection for anomaly detection using a swarm intelligence approach. <i>Applied Soft Computing Journal</i> , 2019 , 84, 105686	7.5	13
206	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
205	Applications of Computational Intelligence in Behavior Simulation of Concrete Materials. <i>Studies in Computational Intelligence</i> , 2011 , 221-243	0.8	13
204	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
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202	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
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