

# CITATION REPORT

List of articles citing

## Cuckoo Optimization Algorithm

DOI: 10.1016/j.asoc.2011.05.008

Applied Soft Computing Journal, 2011, 11, 5508-5518.

**Source:** <https://exaly.com/paper-pdf/51173834/citation-report.pdf>

**Version:** 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. 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.

#	Paper	IF	Citations
795	Charged System Search Algorithms for Optimal Tuning of PI Controllers. <b>2012</b> , 45, 115-120		4
794	Performance comparison of meta-heuristic algorithms for training artificial neural networks in modelling laser cutting. <b>2012</b> , 4, 299		5
793	A novel fractional-order hyperchaotic system with a quadratic exponential nonlinear term and its synchronization. <b>2012</b> , 2012,		7
792	Estimation of the compressive strength of 28-day-old concrete by use of an adaptive cuckoo fuzzy logic model. <b>2013</b> , 39, 4001-4009		3
791	Gravity inversion of a fault by Particle swarm optimization (PSO). <b>2013</b> , 2, 315		21
790	An overview of cuckoo-inspired intelligent algorithms and their applications. <b>2013</b> ,		3
789	A soft computing MPPT for PV system based on Cuckoo Search algorithm. <b>2013</b> ,		29
788	A comparison study of using optimization algorithms and artificial neural networks for predicting permeability. <b>2013</b> , 112, 17-23		26
787	Optimal design of laser solid freeform fabrication system and real-time prediction of melt pool geometry using intelligent evolutionary algorithms. <i>Applied Soft Computing Journal</i> , <b>2013</b> , 13, 1505-1519 <sup>7.5</sup>		37
786	Software prototype for validation of machining optimization solutions obtained with meta-heuristic algorithms. <b>2013</b> , 40, 6985-6996		8
785	Application of adaptive neuro-fuzzy inference system and cuckoo optimization algorithm for analyzing electro chemical machining process. <b>2013</b> , 8, 429-442		22
784	Cuckoo search algorithm for economic dispatch. <b>2013</b> , 60, 99-108		168
783	A swarm optimization algorithm inspired in the behavior of the social-spider. <b>2013</b> , 40, 6374-6384		341
782	Metaheuristic algorithms based Flow Anomaly Detector. <b>2013</b> ,		5
781	Enhancing modified cuckoo search by using Mantegna Lévy flights and chaotic sequences. <b>2013</b> ,		5
780	Tsallis entropy based optimal multilevel thresholding using cuckoo search algorithm. <b>2013</b> , 11, 16-30		167
779	EEG/ERP adaptive noise canceller design with controlled search space (CSS) approach in cuckoo and other optimization algorithms. <b>2013</b> , 10, 1491-504		50

778	Spatial super resolution based image reconstruction using HIBP. <b>2013,</b>	4
777	Classification of digital communication signals based on adaptive neuro-fuzzy inference system. <b>2013,</b>	
776	Control chart patterns recognition using optimized adaptive neuro-fuzzy inference system and wavelet analysis. <b>2013, 3, 76</b>	9
775	A Research about Pattern Recognition of Control Chart Using Optimized ANFIS and Selected Features. <b>2013, 3, 6</b>	4
774	Design of IIR digital filter using modified chaotic orthogonal imperialist competitive algorithm. <b>2013,</b>	5
773	Optimizing the warranty period by cuckoo meta-heuristic algorithm in heterogeneous customers□ population. <b>2013, 9, 1</b>	4
772	Parameter Optimization via Cuckoo Optimization Algorithm of Fuzzy Controller for Liquid Level Control. <b>2013, 2013, 1-7</b>	19
771	An EPC Forecasting Method for Stock Index Based on Integrating Empirical Mode Decomposition, SVM and Cuckoo Search Algorithm. <b>2014, 2, 481-504</b>	9
770	Predicting Student Academic Performance: A Comparison of Two Meta-Heuristic Algorithms Inspired by Cuckoo Birds for Training Neural Networks. <b>2014, 7, 538-553</b>	15
769	DESIGN OF LINEAR AND CIRCULAR ANTENNA ARRAYS USING CUCKOO OPTIMIZATION ALGORITHM. <b>2014, 46, 1-11</b>	61
768	A hybrid cuckoo search and variable neighborhood descent for single and multiobjective scheduling problems. <b>2014, 75, 1501-1516</b>	10
767	. <b>2014,</b>	
766	PID controller for nonlinear system using cuckoo optimization. <b>2014,</b>	3
765	AN ADAPTED CUCKOO OPTIMIZATION ALGORITHM AND GENETIC ALGORITHM APPROACH TO THE UNIVERSITY COURSE TIMETABLING PROBLEM. <b>2014, 13, 1450002</b>	7
764	Intelligent Firefly Algorithm for Global Optimization. <b>2014, 315-330</b>	13
763	Improving Lagrangian Relaxation Unit Commitment with Cuckoo Search Algorithm. <b>2014,</b>	5
762	An Optimized Forecasting Approach Based on Grey Theory and Cuckoo Search Algorithm: A Case Study for Electricity Consumption in New South Wales. <b>2014, 2014, 1-13</b>	7
761	Probabilistic optimal placement of EV parking considering different operation strategies. <b>2014,</b>	8

760	Introduction to Computational Intelligence. <b>2014</b> , 3-17		4
759	Design of Fuzzy Logic based PD Controller using cuckoo optimization for inverted pendulum. <b>2014</b> ,		1
758	Control of leader-follower formation and path planning of mobile robots using Asexual Reproduction Optimization (ARO). <i>Applied Soft Computing Journal</i> , <b>2014</b> , 14, 563-576	7.5	25
757	Application of cuckoo optimization algorithm-artificial neural network method of zinc oxide nanoparticles-chitosan for extraction of uranium from water samples. <b>2014</b> , 135, 70-75		30
756	A new algorithm inspired in the behavior of the social-spider for constrained optimization. <b>2014</b> , 41, 412-425		101
755	Cuckoo search algorithm and wind driven optimization based study of satellite image segmentation for multilevel thresholding using Kapur's entropy. <b>2014</b> , 41, 3538-3560		325
754	Performance analysis of fractional order fuzzy PID controllers applied to a robotic manipulator. <b>2014</b> , 41, 4274-4289		155
753	Statistical process control using optimized neural networks: a case study. <b>2014</b> , 53, 1489-99		29
752	Co-evolving bee colonies by forager migration: A multi-swarm based Artificial Bee Colony algorithm for global search space. <b>2014</b> , 232, 216-234		48
751	Clustering based on Cuckoo Optimization Algorithm. <b>2014</b> ,		10
750	FICA: fuzzy imperialist competitive algorithm. <b>2014</b> , 15, 363-371		5
749	Cuckoo Search and Firefly Algorithm. <b>2014</b> ,		69
748	Modeling a shape memory alloy actuator using an evolvable recursive black-box and hybrid heuristic algorithms inspired based on the annual migration of salmon in nature. <i>Applied Soft Computing Journal</i> , <b>2014</b> , 14, 229-251	7.5	35
747	A Bumble Bees Mating Optimization algorithm for the Open Vehicle Routing Problem. <b>2014</b> , 15, 80-94		43
746	Cuckoo Inspired Algorithms. <b>2014</b> , 105-121		3
745	Optimal synchronization of teleoperation systems via cuckoo optimization algorithm. <b>2014</b> , 78, 2359-2376		29
744	Stochastic scenario-based model and investigating size of energy storages for PEM-fuel cell unit commitment of micro-grid considering profitable strategies. <b>2014</b> , 8, 1228-1243		25
743	Hurricane Search algorithm a new model for function optimization. <b>2014</b> ,		3

742	ANN based self tuned PID like adaptive controller design for high performance PMSM position control. <b>2014</b> , 41, 7995-8002		40
741	Economic optimization design of shell-and-tube heat exchangers by a cuckoo-search-algorithm. <b>2014</b> , 73, 1032-1040		62
740	A comparison between optimization algorithms applied to synchronization of bilateral teleoperation systems against time delay and modeling uncertainties. <i>Applied Soft Computing Journal</i> , <b>2014</b> , 24, 447-456	7.5	30
739	Multi-objective short-term scheduling of thermoelectric power systems using a novel multi-objective Improved cuckoo optimisation algorithm. <b>2014</b> , 8, 873-894		29
738	Optimization of the reflux ratio of benzene-toluene stage distillation columns by the Cuckoo algorithm. <b>2014</b> , 11, 446-453		2
737	Solving the integrated scheduling of production and rail transportation problem by Keshtel algorithm. <i>Applied Soft Computing Journal</i> , <b>2014</b> , 25, 184-203	7.5	52
736	Cuckoo PID-P controller for non-linear process. <b>2014</b> ,		1
735	A flexibility-based method via the iterated improved reduction system and the cuckoo optimization algorithm for damage quantification with limited sensors. <i>Smart Materials and Structures</i> , <b>2014</b> , 23, 0450-19	3.4	19
734	Estimation of distribution algorithm for a class of nonlinear bilevel programming problems. <b>2014</b> , 256, 184-196		32
733	Cuckoo Search Algorithm for Optimization Problems A Literature Review and its Applications. <b>2014</b> , 28, 419-448		68
732	Hurricane-based Optimization Algorithm. <b>2014</b> , 6, 26-33		16
731	Forest Optimization Algorithm. <b>2014</b> , 41, 6676-6687		102
730	Synthesis of zinc oxide nanoparticles-chitosan for extraction of methyl orange from water samples: cuckoo optimization algorithm-artificial neural network. <b>2014</b> , 131, 189-94		28
729	Modeling and optimization of turning duplex stainless steels. <b>2014</b> , 16, 451-467		42
728	Cuckoo search optimization to shunt capacitor allocation in Algerian radial distribution power system. <b>2015</b> ,		
727	Service composition with knowledge of quality in the cloud environment using the cuckoo optimization and artificial bee colony algorithms. <b>2015</b> ,		3
726	Multi-class classification using Cuckoo Search based hybrid network. <b>2015</b> ,		1
725	Gravity inversion of a fault by Cuckoo optimization. <b>2015</b> ,		

724	Multi-objective optimization problem of system reliability under intuitionistic fuzzy set environment using Cuckoo Search algorithm. <b>2015</b> , 29, 1653-1669	22
723	3D inversion of gravity data using Cuckoo optimization algorithm. <b>2015</b> ,	1
722	Comparative study of constraint optimizations for automatic voltage regulator. <b>2015</b> , 12, 95-102	1
721	Preventive maintenance optimization in hybrid wind gas power system using Cuckoo search algorithm. <b>2015</b> ,	1
720	Grey Wolf Optimizer Based on Powell Local Optimization Method for Clustering Analysis. <b>2015</b> , 2015, 1-17	40
719	Feature Selection and Recognition of Face by using Hybrid Chaotic PSO-BFO and Appearance-Based Recognition Algorithms. <b>2015</b> , 5, 26-53	8
718	On the application of modified cuckoo optimization algorithm to the crack detection problem of cantilever EulerBernoulli beam. <b>2015</b> , 157, 42-50	40
717	A combined model based on data pre-analysis and weight coefficients optimization for electrical load forecasting. <b>2015</b> , 82, 524-549	100
716	A Computational Intelligence Optimization Algorithm Based on the Behavior of the Social-Spider. <b>2015</b> , 123-146	8
715	CO PID controller for TITO processes. <b>2015</b> ,	
714	Improved Particle Swarm Optimization approach for classification by using LDA. <b>2015</b> ,	0
713	MPSO PI-PD controller for SISO processes. <b>2015</b> ,	
712	Microscopic Image Contrast and Brightness Enhancement Using Multi-scale Retinex and Cuckoo Search Algorithm. <b>2015</b> , 70, 348-354	14
711	Oppositional cuckoo optimization algorithm to solve DG allocation problem of radial distribution system. <b>2015</b> ,	3
710	Path control of mobile robot using Cuckoo-PID. <b>2015</b> ,	1
709	The Effect of Plug-in Electric Vehicles on Harmonic Analysis of Smart Grid. <b>2015</b> , 16, 559-567	2
708	An Optimal Robust Tuning Method for First Order plus Dead Time Systems with Parameter Uncertainty. <b>2015</b> , 48, 126-131	3
707	Sub-band adaptive filtering method for electroencephalography/event related potential signal using nature inspired optimisation techniques. <b>2015</b> , 9, 987-997	5

706	Entropy based optimal multilevel thresholding using cuckoo optimization algorithm. <b>2015,</b>		5
705	Computational Intelligence Applications in Modeling and Control. <b>2015,</b>		103
704	Efficient detection of faulty nodes with cuckoo search in t-diagnosable systems. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 29, 52-64	7.5	7
703	A short discussion about Economic optimization design of shell-and-tube heat exchangers by a cuckoo-search-algorithm <b>2015</b> , 76, 535-537		8
702	Optimal design of FIR fractional order differentiator using cuckoo search algorithm. <b>2015</b> , 42, 3433-3449		76
701	Optimal autotuning of nonminimum phase processes under relay control. <b>2015</b> , 229, 455-468		2
700	Medical image analysis for cancer management in natural computing framework. <b>2015</b> , 306, 111-131		43
699	Using cuckoo optimization algorithm and imperialist competitive algorithm to solve inverse kinematics problem for numerical control of robotic manipulators. <b>2015</b> , 229, 375-387		6
698	A Study on the Optimization Performance of Fireworks and Cuckoo Search Algorithms in Laser Machining Processes. <b>2015</b> , 96, 215-229		11
697	Cuckoo Search via Lévy Flights and a Comparison with Genetic Algorithms. <b>2015</b> , 91-103		10
696	The Ant Lion Optimizer. <i>Advances in Engineering Software</i> , <b>2015</b> , 83, 80-98	3.6	1556
695	Cuckoo Optimization Algorithm for Optimal Power Flow. <b>2015</b> , 479-493		8
694	Study of Parameter Variations in the Cuckoo Search Algorithm and the Influence in Its Behavior. <b>2015</b> , 199-210		3
693	Meta-heuristic approaches for minimizing error in localization of wireless sensor networks. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 36, 506-518	7.5	17
692	Lightning search algorithm. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 36, 315-333	7.5	221
691	Cuckoo Search Algorithm via Lévy Flight with Dynamic Adaptation of Parameter Using Fuzzy Logic for Benchmark Mathematical Functions. <b>2015</b> , 555-571		6
690	Moth-flame optimization algorithm: A novel nature-inspired heuristic paradigm. <b>2015</b> , 89, 228-249		1923
689	An improved cuckoo search based extreme learning machine for medical data classification. <b>2015</b> , 24, 25-49		120

688	Cancer classification using a novel gene selection approach by means of shuffling based on data clustering with optimization. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 35, 43-51	7.5	39
687	Modified cuckoo optimization algorithm (MCOA) to solve graph coloring problem. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 33, 48-64	7.5	40
686	Performance analysis of two-degree of freedom fractional order PID controllers for robotic manipulator with payload. <b>2015</b> , 58, 279-91		85
685	An approach for solving constrained reliability-redundancy allocation problems using cuckoo search algorithm. <b>2015</b> , 4, 14-25		49
684	Optimum Operation of Reservoir Using Two Evolutionary Algorithms: Imperialist Competitive Algorithm (ICA) and Cuckoo Optimization Algorithm (COA). <b>2015</b> , 29, 3749-3769		51
683	A Combined Model Based on Cuckoo Search Algorithm for Electrical Load Forecasting. <b>2015</b> , 737, 278-282		3
682	Artificial algae algorithm (AAA) for nonlinear global optimization. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 31, 153-171	7.5	141
681	Black Hole Algorithm and Its Applications. <b>2015</b> , 147-170		28
680	Short-term price forecasting of Nordic power market by combination LevenbergMarquardt and Cuckoo search algorithms. <b>2015</b> , 9, 1553-1563		26
679	Vector-based swarm optimization algorithm. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 37, 911-922	7.5	3
678	Optimal fractional delay-IIR filter design using cuckoo search algorithm. <b>2015</b> , 59, 39-54		72
677	General Relativity Search Algorithm: A Global Optimization Approach. <b>2015</b> , 14, 1550017		13
676	Using artificial neural network predictive controller optimized with Cuckoo Algorithm for pressure tracking in gas distribution network. <b>2015</b> , 27, 1446-1454		11
675	Proposing a load balancing method based on Cuckoo Optimization Algorithm for energy management in cloud computing infrastructures. <b>2015</b> ,		18
674	Group technology-based model and cuckoo optimization algorithm for resource allocation in cloud computing. <b>2015</b> , 48, 1140-1145		12
673	Identification of nonlinear actuators with time delay and rate saturation using meta-heuristic optimization algorithms. <b>2015</b> , 229, 808-817		2
672	Performance evaluation of cuckoo search algorithm based FOPID controllers applied to a robotic manipulator with actuator. <b>2015</b> ,		12
671	Cuckoo optimization algorithm with penalty function for combined heat and power economic dispatch problem. <b>2015</b> , 93, 1711-1718		73



670	A process prediction model based on Cuckoo algorithm for abrasive waterjet machining. <b>2015</b> , 26, 1247-1252	26
669	Robust data-driven soft sensor based on iteratively weighted least squares support vector regression optimized by the cuckoo optimization algorithm. <b>2015</b> , 22, 35-41	12
668	Group search optimizer with intraspecific competition and Lévy walk. <b>2015</b> , 73, 44-51	9
667	Two modified Artificial Bee Colony algorithms inspired by Grenade Explosion Method. <b>2015</b> , 151, 1198-1207	31
666	Vulnerabilities and mitigation techniques tuning in the cloud. <b>2015</b> , 48, 1-18	26
665	Novel improved cuckoo search for PID controller design. <b>2015</b> , 37, 721-731	16
664	Identification and cuckoo PI-PD controller design for stable and unstable processes. <b>2015</b> , 37, 708-720	21
663	A New Intelligent Approach for Recognition of Digital Satellite Signals. <b>2015</b> , 79, 75-88	2
662	Cryptanalysis of Vigenere cipher using Cuckoo Search. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 26, 315-324.5	33
661	Fuzzy Logic Augmentation of Nature-Inspired Optimization Metaheuristics. <b>2015</b> ,	5
660	Cuckoo optimization algorithm for unit production cost in multi-pass turning operations. <b>2015</b> , 76, 647-656	28
659	Parameter optimization of advanced machining processes using cuckoo optimization algorithm and hoopoe heuristic. <b>2016</b> , 27, 927-942	45
658	Hybrid BFO and PSO Swarm Intelligence Approach for Biometric Feature Optimization. <b>2016</b> , 7, 36-62	9
657	Lévy-Flight Moth-Flame Algorithm for Function Optimization and Engineering Design Problems. <b>2016</b> , 2016, 1-22	34
656	Modified Grey Wolf Optimizer for Global Engineering Optimization. <b>2016</b> , 2016, 1-16	126
655	Assessment of evolutionary programming, firefly algorithm and cuckoo search algorithm in single-objective optimization. <b>2016</b> ,	
654	A Multi-Period Multiple Objective Uncertain Programming Model to Allocate Order for Supplier Selection Problem. <b>2016</b> , 33, 1650045	3
653	Order reduction of linear continuous time interval system using mixed evolutionary technique. <b>2016</b> ,	

652	. 2016,	3
651	A model for estimation of permeability and free flowing porosity. <b>2016</b> , 34, 1872-1879	4
650	Prediction of the viscosity of water-in-oil emulsions. <b>2016</b> , 34, 1972-1977	8
649	A hierarchical approach for job scheduling in grid computing based on resource prediction and meta-heuristic algorithms. <b>2016</b> , 11, 227-244	1
648	Estimation of the CO <sub>2</sub> -oil minimum miscibility pressure for enhanced oil recovery. <b>2016</b> , 34, 1847-1854	9
647	Optimal Overcurrent Relays Coordination in Microgrid Using Cuckoo Algorithm. <b>2016</b> , 100, 280-286	16
646	Comparison and Analysis of Cuckoo Search and Firefly Algorithm for Image Enhancement. <b>2016</b> , 62-68	2
645	Harmonic Elimination in Multilevel Inverters Under Unbalanced Voltages and Switching Deviation Using a New Stochastic Strategy. <b>2016</b> , 12, 716-725	53
644	Performance of optimal hierarchical type 2 fuzzy controller for load frequency system with production rate limitation and governor dead band. <b>2016</b> , 55, 379-397	9
643	A New Meta-Heuristic Optimization Algorithm Inspired by FIFA World Cup Competitions: Theory and Its Application in PID Designing for AVR System. <b>2016</b> , 27, 419-440	127
642	MCOA: mutated and self-adaptive cuckoo optimization algorithm. <i>Evolutionary Intelligence</i> , <b>2016</b> , 9, 21-36	3
641	COOA: Competitive optimization algorithm. <b>2016</b> , 30, 39-63	22
640	A novel approach for recognition of control chart patterns: Type-2 fuzzy clustering optimized support vector machine. <b>2016</b> , 63, 256-264	33
639	Optimized Gabor features for mass classification in mammography. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 44, 267-280	7.5 30
638	Heuristic-based power management of a grid-connected hybrid energy system combined with hydrogen storage. <b>2016</b> , 96, 354-365	43
637	Total production time minimization of a multi-pass milling process via cuckoo optimization algorithm. <b>2016</b> , 87, 747-754	18
636	Optimal Location of Unified Power Quality Conditioner in Distribution System for Power Quality Improvement. <b>2016</b> , 83, 309-324	24
635	A multi-objectives scheduling algorithm based on cuckoo optimization for task allocation problem at compile time in heterogeneous systems. <b>2016</b> , 60, 234-248	50

634	Performance Analysis of Fuzzy-PID Controller for Blood Glucose Regulation in Type-1 Diabetic Patients. <b>2016</b> , 40, 254		13
633	An Intelligent Approach to Predict Vibration Rate in a Real Gas Turbine. <b>2016</b> , 2, 253-267		7
632	Association rule hiding using cuckoo optimization algorithm. <b>2016</b> , 64, 340-351		22
631	Swarm Intelligence. <b>2016</b> , 237-263		1
630	Memetic algorithm based on genetic algorithm and improved cuckoo search algorithm for dynamic environment. <b>2016</b> ,		1
629	Effective optic disc detection method based on swarm intelligence techniques and novel pre-processing steps. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 49, 146-163	7.5	18
628	Optimal PMU placement for full observability of the power network with maximum redundancy using modified binary cuckoo optimisation algorithm. <b>2016</b> , 10, 2817-2824		45
627	Development of Ant Lion Optimizer toolkit in LabVIEW <b>2016</b> ,		4
626	Toward reliable calibration of aquifer hydrodynamic parameters: characterizing and optimization of arid groundwater system using swarm intelligence optimization algorithm. <b>2016</b> , 9, 1		7
625	Improved Krill Herd Algorithm with neighborhood distance concept for numerical optimization. <b>2016</b> ,		1
624	Metaheuristic profiling to assess performance of hybrid evolutionary optimization algorithms applied to complex wellbore trajectories. <b>2016</b> , 33, 751-768		22
623	Hybrid cuckoo search optimization algorithms applied to complex wellbore trajectories aided by dynamic, chaos-enhanced, fat-tailed distribution sampling and metaheuristic profiling. <b>2016</b> , 34, 236-252		15
622	Prediction of seismic collapse risk of steel moment frame mid-rise structures by meta-heuristic algorithms. <b>2016</b> , 15, 743-757		9
621	Adaptive Fuzzy Controller Based on Cuckoo Optimization Algorithm for a Distillation Column. <b>2016</b> ,		4
620	Nonlinear load-frequency control: An approach using optimized hierarchical fuzzy systems. <b>2016</b> ,		1
619	. <b>2016</b> ,		4
618	Evolutionary extreme learning machine for energy price forecasting. <b>2016</b> , 20, 75-96		5
617	A multilevel color image segmentation technique based on cuckoo search algorithm and energy curve. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 47, 76-102	7.5	74

616	Design of two-layered fractional order fuzzy logic controllers applied to robotic manipulator with variable payload. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 47, 565-576	7.5	36
615	Making a non-parametric density estimator more attractive, and more accurate, by data perturbation. <b>2016</b> , 78, 445-462		4
614	Modified Black Hole Algorithm with Genetic Operators. <i>International Journal of Computational Intelligence Systems</i> , <b>2016</b> , 9, 652-665	3.4	5
613	A metaheuristic for fast machining error compensation. <b>2016</b> , 27, 1209-1220		11
612	A Swarm Global Optimization Algorithm Inspired in the Behavior of the Social-Spider. <b>2016</b> , 9-33		3
611	Social-Spider Algorithm for Constrained Optimization. <b>2016</b> , 175-202		1
610	Simulation and experimental control of a 3-RPR parallel robot using optimal fuzzy controller and fast on/off solenoid valves based on the PWM wave. <b>2016</b> , 61, 265-286		39
609	Advances of Evolutionary Computation: Methods and Operators. <b>2016</b> ,		3
608	A low-complexity hybrid algorithm based on particle swarm and ant colony optimization for large-MIMO detection. <b>2016</b> , 50, 66-74		24
607	Fuzzy harmony search algorithm based optimal power flow for power system security enhancement. <b>2016</b> , 78, 72-79		69
606	Optimal PID controller design through swarm intelligence algorithms for sun tracking system. <b>2016</b> , 274, 690-699		38
605	Virulence Optimization Algorithm. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 43, 596-618	7.5	18
604	Test case minimization approach using fault detection and combinatorial optimization techniques for configuration-aware structural testing. <b>2016</b> , 19, 737-753		22
603	Improved cuckoo optimization algorithm for solving systems of nonlinear equations. <b>2016</b> , 72, 1246-1269		15
602	Assessing the suitability of hybridizing the Cuckoo optimization algorithm with ANN and ANFIS techniques to predict daily evaporation. <b>2016</b> , 75, 1		22
601	Comparison of future intensity duration frequency curve by considering the impact of climate change: case study for Kuching city. <b>2016</b> , 14, 47-55		9
600	Efficient protocol for data clustering by fuzzy Cuckoo Optimization Algorithm. <i>Applied Soft Computing Journal</i> , <b>2016</b> , 41, 15-21	7.5	35
599	A new Golden Section method-based maximum power point tracking algorithm for photovoltaic systems. <b>2016</b> , 111, 125-136		76

598	Load Frequency Controller Design via Artificial Cuckoo Search Algorithm. <b>2016</b> , 44, 90-98		26
597	Multi-objective optimization of electrochemical machining process. <b>2016</b> , 82, 1683-1692		15
596	A Modified Cuckoo Search Algorithm for Improving Voltage Profile and to Diminish Power Losses by Locating Multi-type FACTS Devices. <b>2016</b> , 27, 93-104		11
595	Optimal Power System Stabilizers design via Cuckoo Search algorithm. <b>2016</b> , 75, 99-107		83
594	Lion Optimization Algorithm (LOA): A nature-inspired metaheuristic algorithm. <b>2016</b> , 3, 24-36		253
593	Intelligent control of photovoltaic system using BPSO-GSA-optimized neural network and fuzzy-based PID for maximum power point tracking. <b>2016</b> , 44, 88-110		21
592	Optimization-based method for structural damage localization and quantification by means of static displacements computed by flexibility matrix. <b>2016</b> , 48, 543-561		16
591	Smith predictor based sliding mode control for a class of unstable processes. <b>2017</b> , 39, 706-714		16
590	Audio-visual emotion recognition using FCBF feature selection method and particle swarm optimization for fuzzy ARTMAP neural networks. <i>Multimedia Tools and Applications</i> , <b>2017</b> , 76, 2331-2352 <sup>2.5</sup>		25
589	Bimodal fruit fly optimization algorithm based on cloud model learning. <b>2017</b> , 21, 1877-1893		17
588	Multi-objective simulation optimization for selection and determination of order quantity in supplier selection problem under uncertainty and quality criteria. <b>2017</b> , 93, 161-173		13
587	Weighted Superposition Attraction (WSA): A swarm intelligence algorithm for optimization problems [Part 1: Unconstrained optimization. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 56, 520-540	7.5	43
586	A modified cuckoo search algorithm to optimize Wire-EDM process while machining Inconel-690. <b>2017</b> , 39, 1647-1661		14
585	Energy production cost minimization in a combined heat and power generation systems using cuckoo optimization algorithm. <b>2017</b> , 10, 81-96		34
584	Improved discrete cuckoo optimization algorithm for the three-stage assembly flowshop scheduling problem. <b>2017</b> , 105, 158-173		32
583	Scheduling of loading and unloading operations in a multi stations transshipment terminal with release date and inventory constraints. <b>2017</b> , 106, 20-31		16
582	A survey on applications and variants of the cuckoo search algorithm. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 61, 1041-1059	7.5	151
581	Swarm robotics search & rescue: A novel artificial intelligence-inspired optimization approach. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 57, 708-726	7.5	47

580	Development of a two-stage gene selection method that incorporates a novel hybrid approach using the cuckoo optimization algorithm and harmony search for cancer classification. <b>2017</b> , 67, 11-20		45
579	Prediction and minimization of blast-induced ground vibration using two robust meta-heuristic algorithms. <b>2017</b> , 33, 835-851		35
578	A hybrid method for forecasting river-suspended sediments in Iran. <b>2017</b> , 15, 453-460		3
577	Toward Optimum Fusion of Thermal Hyperspectral and Visible Images in Classification of Urban Area. <b>2017</b> , 83, 269-280		3
576	A new modified independent modal space control approach toward control of seismic-excited structures. <b>2017</b> , 15, 4215-4243		15
575	Hybrid Taguchi-cuckoo search algorithm for optimization of a compliant focus positioning platform. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 57, 526-538	7.5	40
574	Research and application of a hybrid wavelet neural network model with the improved cuckoo search algorithm for electrical power system forecasting. <b>2017</b> , 198, 203-222		75
573	An optimal color image multilevel thresholding technique using grey-level co-occurrence matrix. <b>2017</b> , 87, 335-362		61
572	Multilevel image thresholding using entropy of histogram and recently developed population-based metaheuristic algorithms. <i>Evolutionary Intelligence</i> , <b>2017</b> , 10, 45-75	1.7	47
571	Cuckoo search algorithm with membrane communication mechanism for modeling overhead crane systems using RBF neural networks. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 56, 458-471	7.5	24
570	Load-balancing algorithms in cloud computing: A survey. <b>2017</b> , 88, 50-71		153
569	Modified bio-inspired optimisation algorithm with a centroid decision making approach for solving a multi-objective optimal power flow problem. <b>2017</b> , 11, 1012-1022		19
568	Comparison of numerical methods and metaheuristic optimization algorithms for estimating parameters for wind energy potential assessment in low wind regions. <b>2017</b> , 69, 1199-1217		49
567	Sustainable groundwater modeling using single- and multi-objective optimization algorithms. <b>2017</b> , 19, 97-114		30
566	Multi-tracker Optimization Algorithm: A General Algorithm for Solving Engineering Optimization Problems. <b>2017</b> , 41, 315-341		22
565	Source Code Modularization. <b>2017</b> ,		13
564	Lifetime efficiency index model for optimal maintenance of power substation equipment based on cuckoo optimisation algorithm. <b>2017</b> , 11, 2787-2795		6
563	Proximity of Software Artefacts. <b>2017</b> , 19-61		

562	A global optimization algorithm inspired in the behavior of selfish herds. <b>2017</b> , 160, 39-55	99
561	Weighted distance grey wolf optimization with immigration operation for global optimization problems. <b>2017</b> ,	2
560	Improving harmonic spectrum of output voltage of a wind turbine with permanent magnet synchronous generator using Cuckoo optimization algorithm. <b>2017</b> ,	
559	Accurate estimation of formation permeability by means of petrophysical logs. <b>2017</b> , 35, 718-725	2
558	Stochastic Fractal Based Multiobjective Fruit Fly Optimization. <b>2017</b> , 27, 417-433	7
557	A new fuzzy multi-objective multi-mode resource-constrained project scheduling model. <b>2017</b> , 11, 45	5
556	Multi-variety Fresh Agricultural Products Distribution Optimization Based on an Improved Cuckoo Search Algorithm. <b>2017</b> , 294-302	
555	Cuckoo searchBased maximum power point tracking controller for PV water pumping system. <b>2017</b> , 9, 063501	6
554	Optimization of modular granular neural networks using a firefly algorithm for human recognition. <b>2017</b> , 64, 172-186	116
553	Replacement optimization of industrial components subject to technological obsolescence using artificial intelligence. <b>2017</b> ,	1
552	Optimum Design of Fractional-Order Hybrid Fuzzy Logic Controller for a Robotic Manipulator. <i>Arabian Journal for Science and Engineering</i> , <b>2017</b> , 42, 739-750	2.5 9
551	A comprehensive review on solar PV maximum power point tracking techniques. <b>2017</b> , 67, 826-847	242
550	Optimal power flow using moth swarm algorithm. <b>2017</b> , 142, 190-206	245
549	Conventional and Unconventional Approaches to Swarm Logic. <b>2017</b> , 711-734	2
548	Experimentation investigation of abrasive water jet machining parameters using Taguchi and Evolutionary optimization techniques. <b>2017</b> , 32, 167-183	53
547	Control of piezoelectric friction dampers in smart base-isolated structures using self-tuning and adaptive fuzzy proportional-derivative controllers. <b>2017</b> , 28, 1287-1302	20
546	Estimation of minimum horizontal stress, geomechanical modeling and hybrid neural network based on conventional well logging data a case study. <b>2017</b> , 20, 88-103	8
545	Exploring the effect of distribution methods on meta-heuristic searching process. <b>2017</b> ,	2

544	Optimization of COCOMO II coefficients using Cuckoo optimization algorithm to improve the accuracy of effort estimation. <b>2017,</b>	3
543	Optimal DG allocation and sizing in radial distribution networks by Cuckoo search algorithm. <b>2017,</b>	4
542	. <b>2017,</b>	
541	Applied Cuckoo Algorithm for Association Rule Hiding Problem. <b>2017,</b>	1
540	BEMA: Binary Exchange Market Algorithm. <b>2017,</b> 120, 656-663	4
539	Early detection of breast cancer using optimized ANFIS and features selection. <b>2017,</b>	7
538	Improved particle swarm optimization based on cuckoo search operations and its application. <b>2017,</b>	0
537	Sensor deployment for target coverage in underwater wireless sensor network. <b>2017,</b>	11
536	Improving cuckoo optimization algorithm for solving multimodal problems and non-cooperative games. <b>2017,</b>	
535	Automation of two interacting Conical Tank Process with multiobjective optimization of fractional PID controller with a metaheuristic optimizer, the cuckoo search algorithm. <b>2017,</b>	1
534	Automation of two interacting conical tank process with multiobjective optimization of fractional PID controller with a metaheuristic optimizer, the cuckoo search algorithm. <b>2017,</b>	1
533	Fuzzy-cuckoo controller for nonlinear system. <b>2017,</b> 8, 41	
532	A new group search optimiser integrating multiply strategies. <b>2017,</b> 15, 12	
531	Forecasting Monthly Electricity Demands: An Application of Neural Networks Trained by Heuristic Algorithms. <b>2017,</b> 8, 31	19
530	A solution to the multi-objective optimization problem with FACTS devices using NSHCSA including practical constraints. <b>2017,</b>	0
529	Symbol Detection in Multiple Antenna Wireless Systems via Ant Colony Optimization. <b>2017,</b> 225-237	1
528	The Cuckoo Optimization Algorithm and Its Applications. <b>2017,</b> 269-277	8
527	On the performance of newsworthy meta-heuristic algorithms based on point of view fuzzy modelling. <b>2017,</b> 25, 4706-4721	2



526	Optimal Clustering and Routing for Wireless Sensor Network Based on Cuckoo Search. <b>2017</b> , 7, 01-13		2
525	Robust Bi-level Model for Optimal Allocation and Design of Power System Stabilizer in MultiMachine Power Systems. <b>2017</b> , 10, 67-86		1
524	Micro-Switch Design and Its Optimization Using Pattern Search Algorithm for Application in Reconfigurable Antenna. <b>2017</b> ,		6
523	A Survey on Using Nature Inspired Computing for Fatal Disease Diagnosis. <b>2017</b> , 8, 70-91		16
522	An improved league championship algorithm with free search and its application on production scheduling. <b>2018</b> , 29, 165-174		7
521	A novel estimation method for capillary pressure curves based on routine core analysis data using artificial neural networks optimized by Cuckoo algorithm [A case study. <b>2018</b> , 220, 363-378		10
520	Speed Control of PMSM using nature-inspired algorithms. <b>2018</b> , 16, 677-685		2
519	Advances in Metaheuristics Algorithms: Methods and Applications. <b>2018</b> ,		3
518	Optimal Bilevel Model for Stochastic Risk-Based Planning of Microgrids Under Uncertainty. <b>2018</b> , 14, 3054-3064		59
517	Discussion of Estimation of Reference Evapotranspiration Using Neural Networks and Cuckoo Search Algorithm [by Shahaboddin Shamshirband, Mohsen Amirmojahedi, Milan Goci [Shatirah Akib, Dalibor Petkovi [Jamshid Piri, and Slavisa Trajkovic. <b>2018</b> , 144, 07017023		
516	Drilling rate prediction from petrophysical logs and mud logging data using an optimized multilayer perceptron neural network. <b>2018</b> , 15, 1146-1159		39
515	A generally modified cuckoo optimization algorithm for crack detection in cantilever Euler-Bernoulli beams. <b>2018</b> , 52, 227-241		17
514	Estimation of subsurface petrophysical properties using different stochastic algorithms in nonlinear regression analysis of pressure transients. <b>2018</b> , 154, 93-107		6
513	Advanced optimization algorithms for grating based sensors: A comparative analysis. <b>2018</b> , 164, 567-574		4
512	Focus Group: An Optimization Algorithm Inspired by Human Behavior. <b>2018</b> , 17, 1850002		6
511	Applied soft computing: A bibliometric analysis of the publications and citations during (2004-2016). <i>Applied Soft Computing Journal</i> , <b>2018</b> , 69, 381-392	7.5	32
510	A bibliography of metaheuristics-review from 2009 to 2015. <b>2018</b> , 22, 83-95		12
509	An effective hybrid harmony search and cuckoo optimization algorithm based fuzzy PID controller for load frequency control. <i>Applied Soft Computing Journal</i> , <b>2018</b> , 65, 121-138	7.5	68

508	Review of hybrid evolutionary algorithms for optimizing a reservoir. <b>2018</b> , 25, 22-31	11
507	Optimal Coordination of Directional Overcurrent Relays in Microgrids by Using Cuckoo-Linear Optimization Algorithm and Fault Current Limiter. <b>2018</b> , 9, 1365-1375	78
506	Topologies and performance of intelligent algorithms: a comprehensive review. <b>2018</b> , 49, 79-103	28
505	A comprehensive study of cuckoo-inspired algorithms. <b>2018</b> , 29, 345-361	30
504	A metaheuristic method to hide MP3 sound in JPEG image. <b>2018</b> , 30, 1611-1618	3
503	DGM (1, 1) model optimized by MVO (multi-verse optimizer) for annual peak load forecasting. <b>2018</b> , 30, 1811-1825	14
502	Discrete cuckoo search algorithms for two-sided robotic assembly line balancing problem. <b>2018</b> , 30, 2685-2696	42
501	A comprehensive approach in designing a sustainable closed-loop supply chain network using cross-docking operations. <b>2018</b> , 24, 51-98	21
500	A hybrid LQR-PID control design for seismic control of buildings equipped with ATMD. <b>2018</b> , 12, 44-57	42
499	Cuckoo Search-Based Least Squares Support Vector Machine Models for Optimum Tuning of Tuned Mass Dampers. <b>2018</b> , 18, 1850028	22
498	Particle state change algorithm. <b>2018</b> , 22, 2641-2666	
497	Nature inspired metaheuristics for improved JPEG steganalysis. <i>Multimedia Tools and Applications</i> , <b>2018</b> , 77, 13701-13720	2.5 3
496	Smart grid load forecasting using online support vector regression. <b>2018</b> , 65, 102-117	69
495	Structural single and multiple crack detection in cantilever beams using a hybrid Cuckoo-Nelder-Mead optimization method. <b>2018</b> , 99, 805-831	16
494	Particle Swarm Optimization with Fuzzy Dynamic Parameters Adaptation for Modular Granular Neural Networks. <b>2018</b> , 277-288	
493	Application of bio-inspired algorithms in maximum power point tracking for PV systems under partial shading conditions [A review]. <b>2018</b> , 81, 840-873	80
492	CSA-WSC: cuckoo search algorithm for web service composition in cloud environments. <b>2018</b> , 22, 8353-8378	45
491	Optimization of peroxone reaction rate using metaheuristic approach in the dearomatization and discoloration process. <b>2018</b> , 37, 695-702	6

490	Introduction to Intelligent Search Algorithms. <b>2018</b> , 33-64	4
489	Improved Raven Roosting Optimization algorithm (IRRO). <b>2018</b> , 40, 144-154	23
488	Image Segmentation as an Important Step in Image-Based Digital Technologies in Smart Cities: A New Nature-Based Approach. <b>2018</b> , 75-89	2
487	Online tuning of fractional order fuzzy PID controller in smart seismic isolated structures. <b>2018</b> , 16, 3153-3170	15
486	Modified Cuckoo Optimization Algorithm (MCOA) to solve Precedence Constrained Sequencing Problem (PCSP). <b>2018</b> , 48, 1407-1422	7
485	Adaptive Fractional order fuzzy proportionalIntegralderivative control of smart base-isolated structures equipped with magnetorheological dampers. <b>2018</b> , 29, 830-844	18
484	Solving travelling salesman problem using black hole algorithm. <b>2018</b> , 22, 8167-8175	31
483	Availability Optimization of Parallel-Series System by Evolutionary Computation. <b>2018</b> ,	6
482	ANN-Cuckoo Optimization Technique to Predict Software Cost Estimation. <b>2018</b> ,	5
481	Capacitor Placement in Radial Distribution System Using Oppositional Cuckoo Optimization Algorithm. <b>2018</b> , 9, 64-95	1
480	MPPT of PV-Wind-Fuel Cell of Off-Grid Hybrid System for a New Community. <b>2018</b> ,	9
479	Optimal Scale of Urbanization with Scarce Water Resources: A Case Study in an Arid and Semi-Arid Area of China. <b>2018</b> , 10, 1602	3
478	Parameter Tuning of a PID Controller with Reactive Bio-Inspired for PMSM. <b>2018</b> ,	
477	Tuning Parameters Optimization Approach for Dynamical Sliding Mode Controllers. <b>2018</b> , 51, 656-661	3
476	Feature Selection using Parallel Cuckoo Algorithm with Naïve Bayes Classifier based on Two Different Strategies. <b>2018</b> ,	
475	Multi-objective unit commitment problem using Cuckoo search Lagrangian method. <b>2018</b> , 4, 98-105	5
474	Evolutionary Optimization Based on Biological Evolution in Plants. <b>2018</b> , 126, 146-155	42
473	Intelligent Penetration of UAV Based on Moth Suppression Algorithm. <b>2018</b> ,	

472	Design of Multiplierless Digital IIR Filter Using Modified Cuckoo Search Algorithm. <b>2018,</b>	1
471	A Novel Combination of Bees and Firefly Algorithm to Optimize Continuous Problems. <b>2018,</b>	1
470	Optimal Tuning of PI Controller for Boost DC-DC Converters Based on Cuckoo Optimization Algorithm. <b>2018,</b>	10
469	Gene Selection Approach Utilizing Data Clustering Based Technique Optimization for Tumor Classification. <b>2018,</b>	
468	Placement and routing method for analogue layout generation using modified cuckoo optimisation algorithm. <b>2018,</b> 12, 532-541	1
467	Optimum design of tuned mass dampers using multi-objective cuckoo search for buildings under seismic excitations. <b>2018,</b> 57, 3205-3218	20
466	Fuzzy Social Spider Optimization Algorithm for Fuzzy Clustering Analysis. <b>2018,</b>	2
465	Wind Power Optimization: A Comparison of Meta-Heuristic Algorithms. <b>2018,</b> 376, 012021	2
464	Optimal PI-PD and I-PD Controller Design Using Cuckoo Search Algorithm. <b>2018,</b>	3
463	Levy Flights in Metaheuristics Optimization Algorithms [A Review]. <b>2018,</b> 32, 802-821	20
462	Dynamic data clustering by combining improved discrete artificial bee colony algorithm with fuzzy logic. <b>2018,</b> 12, 164	13
461	Control of a Magnetic Levitation System using Cuckoo Search PID Controller. <b>2018,</b>	
460	Sperm Swarm Optimization Algorithm for Optimizing Wireless Sensor Network Challenges. <b>2018,</b>	12
459	Nature inspired meta-heuristic algorithms for solving the service composition problem in the cloud environments. <b>2018,</b> 31, e3708	46
458	Floating search space: A new idea for efficient solving the Economic and emission dispatch problem. <b>2018,</b> 158, 564-579	12
457	Using Black Hole Algorithm to Improve EEG-Based Emotion Recognition. <b>2018,</b> 2018, 3050214	23
456	A Modified Sine-Cosine Algorithm Based on Neighborhood Search and Greedy Levy Mutation. <b>2018,</b> 2018, 4231647	52
455	Structural health monitoring techniques implemented on IASCA SCE benchmark problem: a review. <b>2018,</b> 8, 689-718	17

454	Dolphin echolocation algorithm for optimal sizing of grid-connected photovoltaic system. <b>2018,</b>		0
453	Moth-Flame Optimization-Based Fuzzy-PID Controller for Optimal Control of Active Magnetic Bearing System. <b>2018,</b> 42, 451-463		13
452	Optimization of a HMM-Based Hand Gesture Recognition System Using a Hybrid Cuckoo Search Algorithm. <b>2018,</b> 87-114		1
451	Hybrid Metaheuristics for Image Analysis. <b>2018,</b>		3
450	FIL-DGA based hardware optimization system. <i>Applied Soft Computing Journal,</i> <b>2018,</b> 72, 235-260	7.5	
449	Optimal scheduled unit commitment considering suitable power of electric vehicle and photovoltaic uncertainty. <b>2018,</b> 10, 043705		5
448	Enhanced Moth-flame Optimization Based on Cultural Learning and Gaussian Mutation. <b>2018,</b> 15, 751-763		23
447	Forecasting Monthly Electricity Demands by Wavelet Neuro-Fuzzy System Optimized by Heuristic Algorithms. <b>2018,</b> 9, 51		11
446	Photovoltaic and Wind Turbine Integration Applying Cuckoo Search for Probabilistic Reliable Optimal Placement. <i>Energies,</i> <b>2018,</b> 11, 139	3.1	11
445	Tree Growth Algorithm (TGA): A novel approach for solving optimization problems. <b>2018,</b> 72, 393-414		79
444	Short-term hydro-thermal-wind-photovoltaic complementary operation of interconnected power systems. <b>2018,</b> 229, 945-962		68
443	Optimization of wet compression effect on the performance of V94.2 gas turbine. <b>2018,</b> 143, 955-963		5
442	Optimal switching in reconfigurable microgrids considering electric vehicles and renewable energy sources. <b>2018,</b> 10, 045905		8
441	Simulation based cuckoo search optimization algorithm for flexible job shop scheduling problem. <b>2018,</b>		12
440	Optimizing renewable based generations in AC/DC microgrid system using hybrid Nelder-Mead □ Cuckoo Search algorithm. <b>2018,</b> 158, 204-215		33
439	The Metaheuristic Algorithm of the Social-Spider. <b>2018,</b> 9-33		
438	Conventional and Unconventional Automata on Swarm Behaviours. <b>2019,</b> 127-163		
437	Tracking-Error Fuzzy-Based Control for Nonholonomic Wheeled Robots. <i>Arabian Journal for Science and Engineering,</i> <b>2019,</b> 44, 881-892	2.5	8

436	Comparison of LLNF, ANN, and COA-ANN Techniques in Modeling the Uniaxial Compressive Strength and Static Young's Modulus of Limestone of the Dalan Formation. <b>2019</b> , 28, 223-239	17
435	Teaching-learning-based optimization algorithm to minimize cross entropy for Selecting multilevel threshold values. <b>2019</b> , 20, 11-25	36
434	Fractional-order PID control of a MIMO distillation column process using improved bat algorithm. <b>2019</b> , 23, 8887-8906	12
433	Enhancing Cuckoo Search Algorithm by using Reinforcement Learning for Constrained Engineering optimization Problems. <b>2019</b> ,	14
432	Evaluating performance of cutting machines during sawing dimension stones. <b>2019</b> , 26, 1934-1945	5
431	An adaptive cuckoo optimization algorithm for system design optimization under failure dependencies. <b>2019</b> , 233, 1099-1105	2
430	A Benchmark of Population-Based Metaheuristic Algorithms for High-Dimensional Multi-Level Image Thresholding. <b>2019</b> ,	9
429	Advances on Computational Intelligence in Energy. <b>2019</b> ,	
428	Optimal design of broadband matching networks using cuckoo search optimisation algorithm. <b>2019</b> , 10, 235	
427	Fuzzy Logic Controller Parameter Optimization Using Metaheuristic Cuckoo Search Algorithm for a Magnetic Levitation System. <b>2019</b> , 9, 2458	16
426	Digital currency forecasting with chaotic meta-heuristic bio-inspired signal processing techniques. <b>2019</b> , 126, 325-336	195
425	Hydro-thermal-wind-photovoltaic coordinated operation considering the comprehensive utilization of reservoirs. <b>2019</b> , 198, 111824	17
424	Improved Cuckoo Algorithm for Adaptive Adjustment of Discovery Probability. <b>2019</b> ,	
423	Forecasting Iran's Energy Demand Using Cuckoo Optimization Algorithm. <b>2019</b> , 2019, 1-8	10
422	Dandelion Algorithm With Probability-Based Mutation. <b>2019</b> , 7, 97974-97985	11
421	An Innovative Damped Cuckoo Search Algorithm With a Comparative Study Against Other Adaptive Variants. <b>2019</b> , 7, 119272-119293	6
420	A Novel Smart Energy Management System in Pure Electric Motorcycle Using COA. <b>2019</b> , 4, 600-608	3
419	A survey on new generation metaheuristic algorithms. <b>2019</b> , 137, 106040	228

418	Maximum Power Point Tracking of PV system Based Cuckoo Search Algorithm; review and comparison. <b>2019</b> , 162, 117-126		31
417	An efficient nuclei segmentation method based on roulette wheel whale optimization and fuzzy clustering. <i>Evolutionary Intelligence</i> , <b>2019</b> , 1	1.7	5
416	Design an optimal fuzzy fractional proportional integral derivative controller with derivative filter for load frequency control in power systems. <b>2019</b> , 41, 2563-2581		52
415	ANN-Based Prediction of Laboratory-Scale Performance of CO <sub>2</sub> -Foam Flooding for Improving Oil Recovery. <b>2019</b> , 28, 1619-1637		44
414	A hybridization of cuckoo search and particle swarm optimization for solving nonlinear systems. <i>Evolutionary Intelligence</i> , <b>2019</b> , 12, 541-561	1.7	12
413	A combined forecasting structure based on the L norm: Application to the air quality. <b>2019</b> , 246, 299-313		13
412	Holistic resource management for sustainable and reliable cloud computing: An innovative solution to global challenge. <b>2019</b> , 155, 104-129		37
411	A chaotic salp swarm algorithm based on quadratic integrate and fire neural model for function optimization. <b>2019</b> , 8, 343-358		13
410	Multiloop FOPID Controller Design for TITO Process Using Evolutionary Algorithm. <b>2019</b> , 8, 117-130		2
409	. <b>2019</b> , 7, 52871-52895		18
408	A Movie Recommender System Using Modified Cuckoo Search. <b>2019</b> , 471-482		6
407	A Framework for Flexible Job Shop Scheduling Problem Using Simulation-Based Cuckoo Search Optimization. <b>2019</b> , 247-262		5
406	On community detection in complex networks based on different training algorithms: A case study on prediction of depression of internet addiction. <b>2019</b> , 523, 1161-1170		1
405	Mobile robot path planning in dynamic environment based on cuckoo optimization algorithm. <b>2019</b> , 16, 172988141983957		25
404	Parameter Tuning of PI Control for Speed Regulation of a PMSM Using Bio-Inspired Algorithms. <b>2019</b> , 12, 54		5
403	Optimum Design of Four Mechanical Elements Using Cohort Intelligence Algorithm. <b>2019</b> , 1-25		1
402	Adaptive Fuzzy Logic Traffic Signal Control Based on Cuckoo Search Algorithm. <b>2019</b> , 107-117		3
401	Optimal configuration and energy management scheme of an isolated micro-grid using Cuckoo search optimization algorithm. <b>2019</b> , 356, 4191-4214		11

400	FeatureSelect: a software for feature selection based on machine learning approaches. <b>2019</b> , 20, 170	44
399	Dynamics modeling and trajectory optimization for unmanned aerial-aquatic vehicle diving into the water. <b>2019</b> , 89, 220-229	15
398	Optimal PI controller of DVR to enhance the performance of hybrid power system feeding a remote area in Egypt. <b>2019</b> , 47, 101469	32
397	Emperor Penguins Colony: a new metaheuristic algorithm for optimization. <i>Evolutionary Intelligence</i> , <b>2019</b> , 12, 211-226	1.7 60
396	Voltage Collapse Detection and Prevention Based on PMUs Measurement. <b>2019</b> ,	2
395	A modified gravitational search algorithm and its application in lifetimemaximization of wireless sensor networks. <b>2019</b> , 27, 4055-4069	1
394	Performance comparison of Honey Bee Mating Optimization algorithms for Fuel Cell operating parameters. <b>2019</b> ,	0
393	Optimization of overcurrent relay coordination using cuckoo search algorithm in electronic induction systems. <b>2019</b> , 674, 012037	0
392	African Buffalo Optimization for One Dimensional Bin Packing Problem. <b>2019</b> , 10, 38-52	4
391	Simulation-based Optimized Transformerless Single-Switch Quadratic DC/DC Converter with Continuous Ports Current. <b>2019</b> ,	
390	Scheduling of Distributed Energy Resources in Active Distribution Networks Considering Combination of Techno-Economic and Environmental Objectives. <b>2019</b> ,	6
389	Adjustment of the Fuzzy Logic controller parameters of the energy management strategy of a grid-tied domestic electro-thermal microgrid using the Cuckoo search algorithm. <b>2019</b> ,	6
388	Data privacy preservation in MAC aware Internet of things with optimized key generation. <b>2019</b> ,	3
387	Scenario-Based Design for Multiple Microgrids with High DG Penetration Considering Uncertainty on Demand and Generation Side. <b>2019</b> ,	
386	A cuckoo search algorithm: Effects of coevolution and application in the development of distributed layouts. <b>2019</b> , 13, 174830261988952	1
385	A hybrid improved whale optimization algorithm. <b>2019</b> ,	9
384	A modified crow search algorithm with niching technique for numerical optimization. <b>2019</b> ,	4
383	A Review of Computational Swarm Intelligence Techniques for Solving Crypto Problems. <b>2019</b> , 193-203	3



382	Buffer insertion for delay minimization in RLC interconnects using cuckoo optimization algorithm. <b>2019</b> , 99, 111-121	1
381	Recommender System Survey: Clustering to Nature Inspired Algorithm. <b>2019</b> , 757-768	3
380	Geomechanical parameter estimation from mechanical specific energy using artificial intelligence. <b>2019</b> , 175, 407-429	20
379	Swarm bat algorithm with improved search (SBAIS). <b>2019</b> , 23, 11461-11491	12
378	Machine learning technique for the prediction of shear wave velocity using petrophysical logs. <b>2019</b> , 174, 306-327	44
377	Brain Tumor Detection Using Cuckoo Search Algorithm and Histogram Thresholding for MR Images. <b>2019</b> , 85-95	1
376	Research and application based on the swarm intelligence algorithm and artificial intelligence for wind farm decision system. <b>2019</b> , 134, 681-697	87
375	Solving the combined heat and power economic dispatch problems by an improved genetic algorithm and a new constraint handling strategy. <b>2019</b> , 237, 646-670	90
374	MOCS-based optimum design of TMD and FTMD for tall buildings under near-field earthquakes including SSI effects. <b>2019</b> , 119, 36-50	20
373	A hybrid algorithm based on chicken swarm and improved raven roosting optimization. <b>2019</b> , 23, 10129-10171	8
372	WHO: A New Evolutionary Algorithm Bio-Inspired by Wildebeests with a Case Study on Bank Customer Segmentation. <b>2019</b> , 33, 1959017	7
371	Energy-Efficient Routing Mechanism for Mobile Sink in Wireless Sensor Networks Using Particle Swarm Optimization Algorithm. <b>2019</b> , 104, 199-216	56
370	Prediction, investigation, and assessment of novel tidal-solar hybrid renewable energy system in India by different techniques. <b>2019</b> , 38, 447-468	9
369	Cuckoo optimization algorithm in optimal water allocation and crop planning under various weather conditions (case study: Qazvin plain, Iran). <b>2019</b> , 31, 1879-1892	17
368	Trust based resource selection with optimization technique. <b>2019</b> , 22, 207-213	4
367	Incremental gravitational search algorithm for high-dimensional benchmark functions. <b>2019</b> , 31, 3779-3803	7
366	Efficient control of integrated power system using self-tuned fractional-order fuzzy PID controller. <b>2019</b> , 31, 4137-4155	19
365	A Review of Multi-holes Drilling Path Optimization Using Soft Computing Approaches. <b>2019</b> , 26, 107-118	13

364	Weighted superposition attraction algorithm for binary optimization problems. <b>2020</b> , 20, 2555-2581	12
363	A-COA: an adaptive cuckoo optimization algorithm for continuous and combinatorial optimization. <b>2020</b> , 32, 681-705	10
362	Addressing the Cold-Start Problem Using Data Mining Techniques and Improving Recommender Systems by Cuckoo Algorithm: A Case Study of Facebook. <b>2020</b> , 22, 62-73	8
361	The Selfish Herd Optimizer. <b>2020</b> , 69-109	2
360	Optimal replacement strategy of obsolete industrial components under fuzzy data. <b>2020</b> , 234, 349-357	2
359	Robust optimization and mixed-integer linear programming model for LNG supply chain planning problem. <b>2020</b> , 24, 7885-7905	43
358	A conceptual comparison of several metaheuristic algorithms on continuous optimisation problems. <b>2020</b> , 32, 6207-6251	43
357	ParallelSeries System Optimization by Weighting Sum Methods and Nature-Inspired Computing. <b>2020</b> , 231-251	6
356	Blood vessel segmentation and diabetic retinopathy recognition: an intelligent approach. <b>2020</b> , 8, 169-181	7
355	Applied Nature-Inspired Computing: Algorithms and Case Studies. <b>2020</b> ,	27
354	The Swarm Method of the Social-Spider. <b>2020</b> , 111-137	0
353	Refined selfish herd optimizer for global optimization problems. <b>2020</b> , 139, 112838	17
352	. <b>2020</b> , 8, 2073-2089	42
351	Multivector particle swarm optimization algorithm. <b>2020</b> , 24, 11695-11713	7
350	Reservoir rock properties estimation based on conventional and NMR log data using ANN-Cuckoo: A case study in one of super fields in Iran southwest. <i>Petroleum</i> , <b>2020</b> , 6, 304-310	4.1 6
349	Stochastic and evolutionary optimization algorithms. <b>2020</b> , 87-123	1
348	Hybrid Particle Swarm Optimization with Sine Cosine Algorithm and NelderMead Simplex for Solving Engineering Design Problems. <i>Arabian Journal for Science and Engineering</i> , <b>2020</b> , 45, 3091-3109	2.5 13
347	Accelerated cuckoo optimization algorithm for the multi-objective welding process. <b>2020</b> , 42, 1	4

346	Mitigating Metaphors: A Comprehensible Guide to Recent Nature-Inspired Algorithms. <b>2020</b> , 1, 1		31
345	Hybrid whale optimization algorithm enhanced with Levy flight and differential evolution for job shop scheduling problems. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 87, 105954	7.5	44
344	Metaheuristic optimization algorithms to estimate statistical distribution parameters for characterizing wind speeds. <b>2020</b> , 149, 664-681		22
343	Control chart patterns recognition using ANFIS with new training algorithm and intelligent utilization of shape and statistical features. <b>2020</b> , 102, 12-22		8
342	Artificial Intelligence in Diffusion MRI. <b>2020</b> ,		0
341	An enhanced cuckoo optimization algorithm for task graph scheduling in cluster-computing systems. <b>2020</b> , 24, 10075-10093		4
340	A general model for prediction of BaSO <sub>4</sub> and SrSO <sub>4</sub> solubility in aqueous electrolyte solutions over a wide range of temperatures and pressures. <b>2020</b> , 299, 112142		3
339	A Comprehensive Review of PV Driven Electrical Motors. <b>2020</b> , 195, 278-303		15
338	Salp swarm algorithm: a comprehensive survey. <b>2020</b> , 32, 11195-11215		98
337	Comparison and Ranking of Metaheuristic Techniques for Optimization of PI Controllers in a Machine Drive System. <b>2020</b> , 10, 6592		2
336	Optimum design and operation of a hydropower reservoir considering uncertainty of inflow. <b>2020</b> , 22, 1452-1467		1
335	Training and optimization algorithms. <b>2020</b> , 51-78		
334	Efficient path planning of AUVs for container ship oil spill detection in coastal areas. <b>2020</b> , 217, 107932		3
333	A novel approach to forecast global CO emission using Bat and Cuckoo optimization algorithms. <b>2020</b> , 7, 100986		6
332	System reliability optimization with heterogeneous components using hosted cuckoo optimization algorithm. <b>2020</b> , 203, 107110		14
331	Soft-sensor modeling for L-lysine fermentation process based on hybrid ICS-MLSSVM. <b>2020</b> , 10, 11630		3
330	Adaptive multi-tracker optimization algorithm for global optimization problems: emphasis on applications in chemical engineering. <b>2020</b> , 1		2
329	Performance improvement strategies on Cuckoo Search algorithms for solving the university course timetabling problem. <b>2020</b> , 161, 113732		10

328	Synthetic repurposing of drugs against hypertension: a datamining method based on association rules and a novel discrete algorithm. <b>2020</b> , 21, 313		6
327	Cuckoo optimization algorithm with penalty function and binary approach for combined heat and power economic dispatch problem. <b>2020</b> , 6, 2720-2723		8
326	An intelligent EGWO-SCA-CS algorithm for PSS parameter tuning under system uncertainties. <b>2020</b> , 35, 1520-1569		20
325	Experimental and Theoretical Analysis of the Fast Charging Polymer Lithium-Ion Battery Based on Cuckoo Optimization Algorithm (COA). <b>2020</b> , 8, 140486-140496		9
324	Review of Online and Soft Computing Maximum Power Point Tracking Techniques under Non-Uniform Solar Irradiation Conditions. <i>Energies</i> , <b>2020</b> , 13, 3256	3.1	20
323	. <b>2020</b> ,		
322	Development of modified cooperative particle swarm optimization with inertia weight for feature selection. <b>2020</b> , 7, 1788876		2
321	Critical review of bio-inspired optimization techniques. <b>2020</b> , e1528		3
320	Mendelian evolutionary theory optimization algorithm. <b>2020</b> , 24, 14345-14390		13
319	Hybrid approach based on cuckoo optimization algorithm and genetic algorithm for task scheduling. <i>Evolutionary Intelligence</i> , <b>2020</b> , 1	1.7	2
318	Enhanced Monomodal Image Registration Process With Cuckoo Search Algorithm. <b>2020</b> , 864, 012051		
317	Root Based Optimization Algorithm for Task-Oriented Structural Design of a Multi-Axial Road Test Rig. <b>2020</b> , 8, 168061-168078		2
316	Improving the Performance of Multiobjective Genetic Algorithms: An Elitism-Based Approach. <b>2020</b> , 11, 587		8
315	The Multiple Tuned Mass Damper for Passive Control of Structures by Cuckoo Algorithm. <b>2020</b> , 13, 358-367		1
314	Filter-Based Multi-Objective Feature Selection Using NSGA III and Cuckoo Optimization Algorithm. <b>2020</b> , 8, 76333-76356		12
313	A Smart and Promising Neurological Disorder Diagnostic System. <b>2020</b> , 241-264		1
312	A novel and effective optimization algorithm for global optimization and its engineering applications: Turbulent Flow of Water-based Optimization (TFWO). <b>2020</b> , 92, 103666		38
311	Ameliorated moth-flame algorithm and its application for modeling of silicon content in liquid iron of blast furnace based fast learning network. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 94, 106418	7.5	6

310	mRNA and microRNA selection for breast cancer molecular subtype stratification using meta-heuristic based algorithms. <b>2020</b> , 112, 3207-3217	10
309	Optimization of Secret Key using cuckoo Search Algorithm for ensuring data integrity in TPA. <b>2020</b> ,	
308	Optimal Siting and Sizing of Battery Energy Storage System for Distribution Loss Reduction Based on Meta-heuristics. <b>2020</b> , 31, 1469-1480	6
307	Multi-verse optimizer algorithm: a comprehensive survey of its results, variants, and applications. <b>2020</b> , 32, 12381-12401	89
306	Frontier Applications of Nature Inspired Computation. <b>2020</b> ,	12
305	Ambient Communications and Computer Systems. <b>2020</b> ,	1
304	Understanding Innovation Through Exaptation. <b>2020</b> ,	3
303	. <b>2020</b> ,	0
302	Comprehensive Taxonomies of Nature- and Bio-inspired Optimization: Inspiration Versus Algorithmic Behavior, Critical Analysis Recommendations. <b>2020</b> , 12, 897-939	57
301	Optimal Foraging Algorithm Based on Differential Evolution. <b>2020</b> , 8, 19657-19678	2
300	Modified Atom Search Optimization Based on Immunologic Mechanism and Reinforcement Learning. <b>2020</b> , 2020, 1-22	2
299	Teaching learning-based metaheuristic scheme for modifying neural computing in appraising energy performance of building. <b>2020</b> , 37, 3037	31
298	Small modular reactor full scope core optimization using Cuckoo Optimization Algorithm. <b>2020</b> , 122, 103271	9
297	Cost minimization of repairable systems subject to availability constraints using efficient cuckoo optimization algorithm. <b>2020</b> , 36, 1098-1110	9
296	Comparison of particle swarm optimization variants with fuzzy dynamic parameter adaptation for modular granular neural networks for human recognition. <b>2020</b> , 38, 3229-3252	43
295	Improved Grasshopper Algorithm Based on Gravity Search Operator and Pigeon Colony Landmark Operator. <b>2020</b> , 8, 22203-22224	6
294	Developing a new rigorous drilling rate prediction model using a machine learning technique. <b>2020</b> , 192, 107338	13
293	Mining The Cluster-level Properties of Bots Network Activities. <b>2020</b> ,	

292	Harris Hawks optimization with information exchange. <b>2020</b> , 84, 52-75	21
291	Hybrid Iterative Reconstruction Method for Imaging Problems in ECT. <b>2020</b> , 1-1	8
290	Telesurgery QoS improvement over SDN based on a Type-2 fuzzy system and enhanced cuckoo optimization algorithm. <b>2020</b> , 33, e4426	6
289	Determination of pure alcohols surface tension using Artificial Intelligence methods. <b>2020</b> , 201, 104008	6
288	Nature-inspired hybrid techniques of IWO, DA, ES, GA, and ICA, validated through a k-fold validation process predicting monthly natural gas consumption. <b>2020</b> , 217, 110023	55
287	A Technical Survey on Intelligent Optimization Grouping Algorithms for Finite State Automata in Deep Packet Inspection. <b>2021</b> , 28, 1371-1396	4
286	A Review of Metaheuristic Algorithms for Optimizing 3D Well-Path Designs. <b>2021</b> , 28, 1775-1793	9
285	Applications of Cuckoo Search Algorithm and its Variants. <b>2021</b> ,	1
284	Cuckoo Search for Optimum Design of Real-Sized High-Level Steel Frames. <b>2021</b> , 123-145	2
283	A novel evolutionary optimization algorithm inspired in the intelligent behaviour of the hunter spider. <b>2021</b> , 98, 627-655	1
282	A modified feature selection method based on metaheuristic algorithms for speech emotion recognition. <b>2021</b> , 173, 107721	14
281	An efficient online sequential extreme learning machine model based on feature selection and parameter optimization using cuckoo search algorithm for multi-step wind speed forecasting. <b>2021</b> , 25, 1277-1295	10
280	Experimental study on classical and metaheuristics algorithms for optimal nano-chitosan concentration selection in surface coating and food packaging. <b>2021</b> , 335, 127681	5
279	A discrete PSO-based static load balancing algorithm for distributed simulations in a cloud environment. <b>2021</b> , 115, 497-516	19
278	Cancer miRNA biomarkers classification using a new representation algorithm and evolutionary deep learning. <b>2021</b> , 25, 3113-3129	2
277	Feature selection by using chaotic cuckoo optimization algorithm with levy flight, opposition-based learning and disruption operator. <b>2021</b> , 25, 2911-2933	11
276	A conceptual and practical comparison of PSO-style optimization algorithms. <b>2021</b> , 167, 114430	11
275	Metaheuristics and Optimization in Computer and Electrical Engineering. <b>2021</b> ,	5

274	A Computational Intelligence Perspective on Multimodal Image Registration for Unmanned Aerial Vehicles (UAVs). <b>2021</b> , 251-274	
273	Battery thermal management: An optimization study of parallelized conjugate numerical analysis using Cuckoo search and Artificial bee colony algorithm. <b>2021</b> , 166, 120798	28
272	Nature Inspired Techniques and Applications in Intrusion Detection Systems: Recent Progress and Updated Perspective. <b>2021</b> , 28, 2897-2919	0
271	Solving a flexible job shop lot sizing problem with shared operations using a self-adaptive COA. <b>2021</b> , 59, 483-515	4
270	Event-based neural network predictive controller application for a distillation column. <b>2021</b> , 23, 811-823	2
269	Statistical Investigation of the Robustness for the Optimization Algorithms. <b>2021</b> , 201-224	2
268	Application of Heuristic Techniques and Evolutionary Algorithms in Microgrids Optimization Problems. <b>2021</b> , 219-251	2
267	A Review on the Cuckoo Search Algorithm. <b>2021</b> , 113-124	1
266	Multi-objective Wrapper-Based Feature Selection Using Binary Cuckoo Optimisation Algorithm: A Comparison Between NSGAII and NSGAIII. <b>2021</b> , 124-136	
265	Two-Steps Wrapper-Based Feature Selection in Classification: A Comparison Between Continuous and Binary Variants of Cuckoo Optimisation Algorithm. <b>2021</b> , 145-175	1
264	Analysis of a Mathematical Model for Drilling System With Reverse Air Circulation by Using the ANN-BHCS Technique. <b>2021</b> , 9, 119188-119218	4
263	Binary Cuckoo Optimisation Algorithm and Information Theory for Filter-Based Feature Selection. <b>2021</b> , 324-338	
262	Prediction and minimization of blast-induced flyrock using gene expression programming and cuckoo optimization algorithm. <b>2021</b> , 80, 1	7
261	LNNLS-KH: A Feature Selection Method for Network Intrusion Detection. <b>2021</b> , 2021, 1-22	10
260	Swarm Intelligence Based Optimum Design of Deep Excavation Systems. <b>2021</b> , 199-229	
259	Controller Tuning by Metaheuristics Optimization. <b>2021</b> , 11-51	0
258	Metaheuristic data fitting methods to estimate Weibull parameters for wind speed data: a case study of Hasan Polatkan Airport. <b>2021</b> , 125, 916-948	0
257	. <b>2021</b> ,	

256	Renewable energy integrated multi-microgrid load frequency control using grey wolf optimization algorithm. <i>Materials Today: Proceedings</i> , <b>2021</b> ,	1.4	0
255	An evaluation of the advantages of friction TMD over conventional TMD. <b>2021</b> , 6, 1		6
254	A new configuration of autonomous CHP system based on improved version of marine predators algorithm: A case study. <b>2021</b> , 31, e12806		9
253	Assessment of Meta-Heuristic and Classical Methods for GMPPT of PV System. <b>2021</b> , 22, 217-234		10
252	Metaheuristics: a comprehensive overview and classification along with bibliometric analysis. <b>2021</b> , 54, 4237-4316		21
251	Cuckoo optimization algorithm in reverse logistics: A network design for COVID-19 waste management. <b>2021</b> , 734242X211003947		6
250	A novel approach of intensified barnacles mating optimization for the mitigation of power system oscillations. <b>2021</b> , 33, e6303		2
249	PSO Based Optimal Phasor Measurement Unit Placement Considering Measurement Redundancy. <b>2021</b> ,		0
248	A New Routing Protocol for Energy Optimization in Mobile Ad Hoc Networks Using the Cuckoo Optimization and the TOPSIS Multi-Criteria Algorithm. <b>2021</b> , 52, 477-497		0
247	Review of swarm intelligence-based feature selection methods. <b>2021</b> , 100, 104210		68
246	Fuzzy inverse logic: part-1. introduction and bases.		0
245	Inspection of textile fabrics based on the optimal Gabor filter. <b>2021</b> , 15, 1617-1625		2
244	Use of Cuckoo Search Algorithm for Performance Evaluation of Split Elliptic Shaped Fins for Enhanced Rate of Heat Transfer. <b>2021</b> , 143,		3
243	A Power Load Forecasting Model Based on FA-CSSA-ELM. <b>2021</b> , 2021, 1-14		3
242	A Modified Differentiator Circuit for Extracting Cole-Impedance Model Parameters Using Meta-heuristic Optimization Algorithms. <i>Arabian Journal for Science and Engineering</i> , <b>2021</b> , 46, 9945-9951 <sup>5</sup>		0
241	Life-Cycle Assessment of Alkali-Activated Materials Incorporating Industrial Byproducts. <b>2021</b> , 14,		12
240	Using the Cuckoo Algorithm to Optimizing the Response Time and Energy Consumption Cost of Fog Nodes by Considering Collaboration in the Fog Layer. <b>2021</b> ,		3
239	Advanced Simulation of Removing Chromium from a Synthetic Wastewater by Rhamnolipidic Bioflotation Using Hybrid Neural Networks with Metaheuristic Algorithms. <b>2021</b> , 14,		4



238	Debris flows modeling using geo-environmental factors: developing hybridized deep-learning algorithms. 1-25		9
237	Spatial prediction of landslide susceptibility in western Serbia using hybrid support vector regression (SVR) with GWO, BAT and COA algorithms. <b>2021</b> , 12, 101104		30
236	Transmission State Prediction from MAC in Cognitive Radio via Optimized Deep Learning Architecture. <b>2021</b> , 35, 2152012		
235	Fuzzy inverse logic: part-2. validation and evaluation of the method.		0
234	An enhanced symbiotic organisms search algorithm for design optimization of trusses with frequency constraints. 136943322110262		2
233	Thyroid Disorder Diagnosis by Optimal Convolutional Neuron based CNN Architecture. 1-20		1
232	Artifisial Populyasyonlu Karga Arama Algoritması		
231	Hybridized Cuckoo Search with Multi-Verse Optimization-Based Patch Matching and Deep Learning Concept for Enhancing Video Inpainting.		0
230	Dynamic crow search algorithm based on adaptive parameters for large-scale global optimization. <i>Evolutionary Intelligence</i> , 1	1.7	1
229	A survey on nature-inspired algorithms and its applications in the Internet of Vehicles. <b>2021</b> , 34, e4895		1
228	Multi-swarm and chaotic whale-particle swarm optimization algorithm with a selection method based on roulette wheel. e12779		9
227	Study on the coordinated development of urbanization and water resources utilization efficiency in China.		2
226	Skip Salp Swam Algorithm for Feature Selection. <b>2022</b> , 231-240		0
225	Trajectory tracking of a quadrotor using a robust adaptive type-2 fuzzy neural controller optimized by cuckoo algorithm. <b>2021</b> , 114, 171-190		5
224	Hybrid GWOCs Optimization Based Parameter Extraction Method Applied to GaN Devices. <b>2021</b> ,		1
223	Aircraft Energy Management System Using Chaos Red Fox Optimization Algorithm. 1		0
222	Optimal Diagnosis of COVID-19 Based on Convolutional Neural Network and Red Fox Optimization Algorithm. <b>2021</b> , 2021, 4454507		4
221	Research developments in adaptive intelligent vibration control of smart civil structures. 146134842110327		2

220	Length prediction of silicon nanowires (SiNWs) prepared by the MACE method using the ANN-COA-PSO algorithm for high supercapacitor applications. <b>2021</b> , 156, 110146		3
219	Evaluation of climate change impacts on the optimal operation of multipurpose reservoir systems using cuckoo search algorithm. <b>2021</b> , 80, 1		1
218	Review of Metaheuristics Inspired from the Animal Kingdom. <b>2021</b> , 9, 2335		5
217	HSSAGA: Designation and scheduling of nurses for taking care of COVID-19 patients using novel method of Hybrid Salp Swarm Algorithm and Genetic Algorithm. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 108, 107449	7.5	21
216	A fast graph modification method for social network anonymization. <b>2021</b> , 180, 115148		2
215	Albatross Optimization Algorithm: A Novel Nature Inspired Search Algorithm. <b>2022</b> , 203-216		0
214	Cuckoo optimization algorithm for support vector regression potential analysis: An example from the Granites-Tanami Orogen, Australia. <b>2021</b> , 230, 106858		1
213	Global solar radiation prediction: Application of novel hybrid data-driven model. <i>Applied Soft Computing Journal</i> , <b>2021</b> , 112, 107768	7.5	2
212	Modelling and solving profit-oriented U-shaped partial disassembly line balancing problem. <b>2021</b> , 183, 115431		3
211	Predicting the seismic response of the short structures by considering the Whale Optimization Algorithm. <b>2021</b> , 7, 4071-4084		2
210	Novel hybrid model based on echo state neural network applied to the prediction of stock price return volatility. <b>2021</b> , 184, 115490		11
209	Dynamical relaxed directional method for fuzzy reliability analysis. <i>Structures</i> , <b>2021</b> , 34, 169-179	3.4	0
208	Hybridization of Fuzzy C-Means and Fuzzy Social Spider Optimization for Clustering. <b>2021</b> , 179-187		1
207	On the Use of Meta-Heuristic Algorithms for Automated Test Suite Generation in Software Testing. <b>2021</b> , 149-197		3
206	Cuckoo Search Applied Path Planning of Twin Robot in Multi-Robot Environment. <b>2021</b> , 39-50		
205	Artificial neural network with modified rider optimization for design and control of PV-integrated quasi Z-source cascaded multilevel inverter system. <b>2021</b> , 12, 2050069		
204	A novel hybrid method based on Cuckoo optimization algorithm and artificial neural network to forecast world's carbon dioxide emission. <b>2021</b> , 8, 101310		7
203	Control Engineering from Classical to Intelligent Control Theory An Overview. <b>2019</b> , 1-30		5

202	Use of Computing Techniques for Flood Management in a Coastal Region of South Gujarat A Case Study of Navsari District. <b>2020</b> , 108-117	5
201	Fuzzy Dynamic Parameter Adaptation for Particle Swarm Optimization of Modular Granular Neural Networks Applied to Time Series Prediction. <b>2021</b> , 189-204	1
200	Permeability Estimation in Petroleum Reservoir by Meta-heuristics: An Overview. <b>2015</b> , 269-285	2
199	Comparison of Optimization Techniques for Modular Neural Networks Applied to Human Recognition. <b>2017</b> , 225-241	6
198	Modified Cuckoo Search Algorithm for Solving Global Optimization Problems. <b>2018</b> , 561-570	11
197	Three Evolutionary Optimization Algorithms in PI Controller Tuning. <b>2012</b> , 95-106	2
196	Opposition Theory Enabled Intelligent Whale Optimization Algorithm. <b>2020</b> , 485-493	1
195	Plant Genetics-Inspired Evolutionary Optimization: A Descriptive Tutorial. <b>2020</b> , 53-77	3
194	Tracing the Points in Search Space in Plant Biology Genetics Algorithm Optimization. <b>2020</b> , 180-195	5
193	The social team building optimization algorithm. <b>2019</b> , 23, 6533-6554	3
192	Flexible job shop scheduling problem with reconfigurable machine tools: An improved differential evolution algorithm. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 94, 106416	7.5 25
191	A discrete cuckoo optimization algorithm for consolidation in cloud computing. <b>2018</b> , 115, 495-511	26
190	Unequal limit cuckoo optimization algorithm applied for optimal design of nonlinear field calibration problem of a triaxial accelerometer. <b>2020</b> , 164, 107963	12
189	System reliability-redundancy optimization with cold-standby strategy by an enhanced nest cuckoo optimization algorithm. <b>2020</b> , 201, 106973	27
188	Standard Deviation Based Modified Cuckoo Optimization Algorithm for Task Scheduling to Efficient Resource Allocation in Cloud Computing. <b>2017</b> , 8, 210-218	3
187	Design of a decoupled PID controller via MOCS for seismic control of smart structures. <b>2016</b> , 10, 1067-1087	17
186	Ringed Seal Search for Global Optimization via a Sensitive Search Model. <b>2016</b> , 11, e0144371	5
185	Modified Cuckoo Search Algorithm using a New Selection Scheme for Unconstrained Optimization Problems. <b>2020</b> , 16, 307-315	1

184	Privacy Protection of Patient Medical Images using Digital Watermarking Technique for E-healthcare System. <b>2019</b> , 15, 802-809	3
183	Hybrid Forecasting Model Based Data Mining and Cuckoo Search: A Case Study of Wind Speed Time Series. <b>2016</b> , 9, 65-76	1
182	Optimal Wind-Thermal Coordination Scheduling Considering Reserve Requirement. <b>2019</b> , 5, 108-119	2
181	Hybrid BFO and PSO Swarm Intelligence Approach for Biometric Feature Optimization. 1490-1518	3
180	A Survey on Ant Colony Optimization, Particle Swarm Optimization, and Cuckoo Algorithms. <b>2018</b> , 37-51	14
179	Fuzzy Integral and Cuckoo Search Based Classifier Fusion for Human Action Recognition. <b>2018</b> , 18, 3-10	6
178	A Novel Hybrid Algorithm for Software Cost Estimation Based on Cuckoo Optimization and K-Nearest Neighbors Algorithms. <b>2016</b> , 6, 1018-1022	9
177	A Modified Cuckoo Optimization Algorithm for Engineering Optimization. <b>2012</b> , 199-201	21
176	Application Mapping Using Cuckoo Search Optimization With Lévy Flight for NoC-Based System. <b>2021</b> , 9, 141778-141789	7
175	Control of PMSM chaos using backstepping-based adaptive fuzzy method in the presence of uncertainty and disturbance. <b>2021</b> , 9, 673-688	0
174	Cross Layer Security MAC Aware Routing Protocol for IoT Networks. 1	0
173	Modelling, and control techniques of robotic manipulators: A review. <i>Materials Today: Proceedings</i> , <b>2021</b> ,	1.4 1
172	Lead-Lag Controller-Based Iterative Learning Control Algorithms for 3D Crane Systems. <b>2013</b> , 25-38	0
171	A Comparative Study on Medical Diagnosis Using Predictive Data Mining. <b>2014</b> , 327-360	4
170	Surrogate-Based Improvement on Cuckoo Search for Global Constrained Optimization. <b>2014</b> , 19, 245-252	
169	Field Weakening Control of a Separately Excited DC Motor Using Neural Network Optimized by Social Spider Algorithm. <b>2016</b> , 08, 1-10	1
168	A Comparative Study on Medical Diagnosis Using Predictive Data Mining. <b>2016</b> , 923-954	
167	Non-uniform embedding applications for synchronization analysis. <b>2016</b> , 18, 5481-5491	

166 Hierarchical and Partitional Modularization Algorithms. **2017**, 63-113

165 Software Quality Attributes and Modularization. **2017**, 217-255

164 Techniques for the Evaluation of Software Modularizations. **2017**, 179-216

163 Introduction. **2017**, 1-18

162 Algebraically-Based Software Modularization. **2017**, 153-178

161 Search-Based Software Modularization. **2017**, 115-151

160 Increasing the Speed of Incremental View Maintenance Using the Cuckoo Algorithm. **2017**, 14, 113-126

159 Rough-Set-Based Decision Model for Incomplete Information Systems. **2018**, 2200-2212

158 Experimenting with a New Population-Based Optimization Technique: FUNgal Growth Inspired (FUNGI) Optimizer. **2018**, 123-135

1

157 Crow-Search-Based Intuitionistic Fuzzy C-Means Clustering Algorithm. **2018**, 129-150

156 Applying the Modified Cuckoo Search to the Customisation of an Industrial Pre-mixer. **2019**, 1398-1408

155 Forecasting OPEC Electricity Generation Based on Elman Network Trained by Cuckoo Search Algorithm. **2019**, 59-76

154 Rough-Set-Based Decision Model for Incomplete Information Systems. **2019**, 748-763

153 Supercomputing with an Efficient Task Scheduler as an Infrastructure for Big Multimedia Processing. **2019**, 723-752

152 A Review on Utilizing Bio-Mimetics in Solving Localization Problem in Wireless Sensor Networks. **2019**, 735-745

151 Load Balancing in Heterogeneous Cluster Cloud Computing. **2019**, 146-169

150 Improved Cuckoo Search Algorithm Based on Exponential Function. **2020**, 200-207

149 Introduction of Diffusion MRI and Cuckoo Search Algorithm. **2020**, 1-12

1

- 148 Cuckoo Search Algorithm. **2020**, 31-59
- 147 An Effective Method for Maximizing Social Welfare in Electricity Market via Optimal TCSC Installation. **2019**, 9, 4946-4955 2
- 146 Test Suite Optimization Using Lion Search Algorithm. **2020**, 77-90 3
- 145 Application of Cuckoo Search Algorithm User Interface for Parameter Optimization of Ultrasonic Machining Process. **2021**, 147-173
- 144 Cuckoo Search Algorithm: Statistical-Based Optimization Approach and Engineering Applications. **2021**, 79-99 0
- 143 Modified Multi-cohort Intelligence Algorithm with Panoptic Learning for Unconstrained Problems. **2021**, 145-153
- 142 An indirect measurement of rock tensile strength through optimized relevance vector regression models, a case study. **2021**, 80,
- 141 Reconfiguration Strategy for DC Distribution Network Fault Recovery Based on Hybrid Particle Swarm Optimization. *Energies*, **2021**, 14, 7145 3.1 2
- 140 Simultaneous Application of Communication-Assisted Dual Setting DORs and Hybrid Cuckoo-Linear Algorithm in Optimizing FCL-Oriented Protection Schemes of Microgrids. **2020**,
- 139 Multi-agent Based Distributed MIS Selection for Dynamic Job Scheduling. **2020**, 0
- 138 A Multi-Simplex Imperialist Competitive Paradigm for Solving Nonlinear Physical Systems. **2022**, 32, 149-166
- 137 Joint Opposite Selection (JOS): A premiere joint of selective leading opposition and dynamic opposite enhanced Harris Hawks optimization for solving single-objective problems. **2022**, 188, 116001 4
- 136 Pity Beetle Algorithm to Solve VRP Variants. **2020**, 115-134
- 135 Optimization of the Values of Classifiers Parameters ||s it Still Worthwhile to Deal with it?. **2020**, 417-428
- 134 An Algorithm for Solving Generalized Single Row Facility Layout Problem. **2020**, 10, 299-320
- 133 Simulated Annealing Algorithm for a Medium-Sized TSP Data. **2020**, 457-465 2
- 132 Performance Evaluation of Meta-Heuristic Algorithms in Social Media Using Twitter. **2020**, 559-567
- 131 Nature-Inspired Optimization Methods: How Ants, Bees, Cuckoos, and Other Friends May Improve the Work of Mathematicians. **2020**, 25-34

130 Artificial Sosyal Deneme Tabanlı Diferansiyel Gelişim Algoritmaları, 7,

129 Improved Filter Ranking Incorporated Binary Black Hole Algorithm for Feature Selection. **2022**, 3, 1 1

128 A Hybrid Model of Extreme Learning Machine Based on Bat and Cuckoo Search Algorithm for Regression and Multiclass Classification. **2021**, 2021, 1-11 1

127 Firefly Algorithm-Based Optimized Controller for Frequency Control of an Autonomous Multi-Microgrid. **2021**, 437-451 1

126 Overview of Computational Intelligence. 18-36 8

125 Conclusions and Emerging Topics. 238-265

124 Description of Various Evolutionary Optimization Techniques. 1-45

123 Karınca Aslan Optimizasyon Algoritmaları Kullanarak Genetik Segmentasyonu İçin Modifiye Edilmiş Bir Genetik Evrim Yöntemi.

122 Metaheuristics Applied to Blood Image Analysis. **2021**, 117-135 2

121 Scaling up Mobile Service Selection in Edge Computing Environment with Cuckoo Optimization Algorithm. **2021**,

120 Analysis of a Hybrid Whale Optimization Algorithm for Traveling Salesman Problem. 0

119 Churn prediction using optimized deep learning classifier on huge telecom data. 1 0

118 Parameter setting of meta-heuristic algorithms: a new hybrid method based on DEA and RSM. **2021**, 1 0

117 Online multi-object tracking based on time and frequency domain features. **2022**, 16, 19

116 Hunter-prey optimization: algorithm and applications. 1 12

115 Soft Computing Techniques for Energy Consumption and Resource Aware Allocation on Cloud: A Progress and Systematic Review. **2021**, 191-213 0

114 A state-of-the-Art review of heuristic and metaheuristic optimization techniques for the management of water resources. 3

113 Multi-objective availability and cost optimization by PSO and COA for series-parallel systems with subsystems failure dependencies. **2022**, 89, 104422 2

112	ORCA Optimization Algorithm: A New Meta-Heuristic Tool for Complex Optimization Problems. <b>2020,</b>		2
111	Some Words About Nature-Inspired Computing. <b>2022,</b> 1-9		
110	A hybrid whale optimization algorithm with artificial bee colony. <b>2022,</b> 26, 2075		2
109	Recent trends in bio-inspired meta-heuristic optimization techniques in control applications for electrical systems: a review. 1		5
108	Solving the Multi-Objective Problem of IoT Service Placement in Fog Computing Using Cuckoo Search Algorithm. <i>Neural Processing Letters,</i>	2-4	4
107	The application of hybrid cuckoo search-grey wolf optimization algorithm in optimal parameters identification of solid oxide fuel cell. <b>2022,</b> 47, 6200-6216		5
106	Parameters Optimization of Taguchi Method Integrated Hybrid Harmony Search Algorithm for Engineering Design Problems. <b>2022,</b> 10, 327		4
105	Dew point pressure of gas condensates, modeling and a comprehensive review on literature data. <b>2022,</b> 211, 110072		2
104	A novel approach to pore pressure modeling based on conventional well logs using convolutional neural network. <b>2022,</b> 211, 110156		3
103	Solving A Real Case of Seafaring Staff Scheduling problem using Cuckoo Optimization Algorithm. <b>2022,</b> 13, 0-0		
102	Reinforced Rider Optimization Algorithm for Diagnosis of Autism Spectrum Disorder and Medical Data. <b>2022,</b> 239-266		
101	A Review on Optimization of Active Power Filter Placement and Sizing Methods. <i>Energies,</i> <b>2022,</b> 15, 1175-1		6
100	Level set segmentation of mammogram images using adaptive cuckoo K-means clustering. 1		0
99	Hybridization of a Novel Rheumatoid Arthritis prediction Model using Classifier and Optimizer Approach. <b>2022,</b>		
98	fly flight-based inverse adaptive comprehensive learning particle swarm optimization.. <b>2022,</b> 19, 5241-5268		0
97	Optimal Sizing of Passive Filters for Typical Industrial Power Systems. 905, 65-77		1
96	A study on environmental issues of blasting using advanced support vector machine algorithms. 1		
95	Multi-Objective Optimization Using Evolutionary Cuckoo Search Algorithm for Evacuation Planning. <i>Geomatics,</i> <b>2022,</b> 2, 53-75		0



94	Combinations of novel hybrid optimization algorithms-based trajectory planning analysis for an industrial robotic manipulators. <i>Journal of Field Robotics</i> ,	6.7	1
93	Analysis of optimized response time in a new disaster management model by applying metaheuristic and exact methods. <i>Smart and Resilient Transportation</i> , <b>2022</b> , ahead-of-print, 22	0.4	2
92	An improved cuckoo search optimization algorithm with genetic algorithm for community detection in complex networks. <i>Multimedia Tools and Applications</i> , 1	2.5	2
91	A self-adaptive and gradient-based cuckoo search algorithm for global optimization. <i>Applied Soft Computing Journal</i> , <b>2022</b> , 108774	7.5	1
90	Cuckoo Search Combined with PID Controller for Maximum Power Extraction of Partially Shaded Photovoltaic System. <i>Energies</i> , <b>2022</b> , 15, 2513	3.1	2
89	Developing a New Model for Drilling Rate of Penetration Prediction Using Convolutional Neural Network. <i>Arabian Journal for Science and Engineering</i> , 1	2.5	0
88	Simulation and Experimental Analysis of Single Phase Inverter using Cuckoo Search algorithm. <b>2021</b> ,		
87	Enhanced Tunicate Swarm Algorithm for Solving Large-Scale Nonlinear Optimization Problems. <i>International Journal of Computational Intelligence Systems</i> , <b>2021</b> , 14, 1	3.4	2
86	A Novel Optimization Algorithm Leveraging a Three-Dimensional Approach of Periscopic, Pheromonic and Fractal Search. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2021</b> , 2021, 550-553	0.9	
85	Quaternion-based improved cuckoo algorithm for colour UAV image edge detection. <i>IET Image Processing</i> , <b>2022</b> , 16, 926-935	1.7	0
84	Opposite based Crow Search Algorithm for Solving Optimization Problems.		
83	A new robust predictive model for lost circulation rate using convolutional neural network: A case study from Marun Oilfield. <i>Petroleum</i> , <b>2022</b> ,	4.1	0
82	Optimal Forecast Combination Based on Pso-Cs Approach for Daily Agricultural Future Prices Forecasting. <i>SSRN Electronic Journal</i> ,	1	
81	Semi-active control of nonlinear smart base-isolated structures using MR damper: Sensitivity and reliability analyses. <i>Smart Materials and Structures</i> ,	3.4	
80	Metaheuristic Algorithms for PID Controller Parameters Tuning: Review, Approaches and Open Problems. <i>Heliyon</i> , <b>2022</b> , e09399	3.6	7
79	Critical review of bio-inspired data optimization techniques: An image steganalysis perspective. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> ,	6.9	
78	An effective data routing for dynamic area coverage using multidrone network. <i>Transactions on Emerging Telecommunications Technologies</i> ,	1.9	1
77	A Comprehensive Survey on Metaheuristic Algorithm for Feature Selection Techniques. <i>Materials Today: Proceedings</i> , <b>2022</b> ,	1.4	0

76	Improved Particle Swarm Optimization on Based Quantum Behaved Framework for Big Data Optimization. <i>Neural Processing Letters</i> ,	2.4	
75	Exploring the additional value of class imbalance distributions on interpretable flash flood susceptibility prediction in the Black Warrior River basin, Alabama, United States. <i>Journal of Hydrology</i> , <b>2022</b> , 610, 127877	6	1
74	Bearing Fault Classification Using Improved Antlion Optimizer and Extreme Learning Machine. <i>Advances in Materials Science and Engineering</i> , <b>2022</b> , 2022, 1-18	1.5	
73	Modified Mayfly Algorithm for UAV Path Planning. <i>Drones</i> , <b>2022</b> , 6, 134	5.4	3
72	Comparison of optimization algorithms based on swarm intelligence applied to convolutional neural networks for face recognition. <i>International Journal of Hybrid Intelligent Systems</i> , <b>2022</b> , 1-11	0.9	
71	Definition of Faults and Efficiency in Power Transformers Using the Algorithm and Computer Program Created by the Heuristic Optimization Methods Developed. <i>Journal of Engineering Technology and Applied Sciences</i> ,		
70	Tree optimization algorithm (TOA): a novel metaheuristic approach for solving mathematical test functions and engineering problems. <i>Evolutionary Intelligence</i> ,	1.7	0
69	Ameliorated Follow The Leader: Algorithm and Application to Truss Design Problem. <i>Structures</i> , <b>2022</b> , 42, 181-204	3.4	2
68	Structure, morphology and compressive strength of Alkali-activated mortars containing waste bottle glass nanoparticles. <i>Construction and Building Materials</i> , <b>2022</b> , 342, 128005	6.7	2
67	The effect of green belt as an environmentally friendly approach on energy consumption reduction in buildings. <i>Sustainable Energy Technologies and Assessments</i> , <b>2022</b> , 53, 102363	4.7	
66	Reduce task execution time in heterogeneous distributed systems using improved COA algorithm. <i>Evolutionary Intelligence</i> ,	1.7	
65	The novel combination lock algorithm for improving the performance of metaheuristic optimizers. <i>Advances in Engineering Software</i> , <b>2022</b> , 172, 103177	3.6	
64	Intelligent Intrusion Detection System for Industrial Internet of Things Environment. <i>Computer Systems Science and Engineering</i> , <b>2023</b> , 44, 1567-1582	3.9	0
63	Best Combinations of Inputs for ANN-Based Solar Radiation Forecasting in Morocco. <i>Technology and Economics of Smart Grids and Sustainable Energy</i> , <b>2022</b> , 7,	2.1	
62	Power Management and Sizing Optimization for Hybrid Grid-Dependent System Considering Photovoltaic Wind Battery Electric Vehicle. <b>2022</b> ,		1
61	Harmonic estimation using cuckoo search based on chaos. <b>2022</b> ,		
60	Chaotic binary reptile search algorithm and its feature selection applications.		1
59	Improving waiting time and energy consumption performance of a bi-objective genetic algorithm embedded in an elevator group control system through passenger flow estimation.		

58	Kinematics and trajectory planning analysis based on hybrid optimization algorithms for an industrial robotic manipulators.	
57	Optimization of Combined Heat and Power Systems by Meta-Heuristic Algorithms: An Overview. <b>2022</b> , 15, 5977	1
56	The identification of voids and inclusions based on the parameter level set method using boundary data. <b>2022</b> , 112, 505-539	
55	Information Technology for Parametric Optimization of Fuzzy Systems Based on Hybrid Grey Wolf Algorithms. <b>2022</b> , 3,	0
54	Multimodal spatiotemporal skeletal kinematic gait feature fusion for vision-based fall detection. <b>2023</b> , 212, 118681	0
53	Silent Data Corruption Estimation and Mitigation Without Fault Injection Estimation et attribution de la corruption silencieuse des données sans injection de faute. <b>2022</b> , 1-10	0
52	Analysis and Applications of Biogeography Based Optimization Techniques for Problem Solving. <b>2022</b> , 415-429	0
51	Solar energy modelling and forecasting using artificial neural networks: a review, a case study, and applications. <b>2022</b> , 113-147	0
50	Dynamical Sliding Mode Controller with Optimized Tuning using Artificial Bee Colony for Integrating Processes with Inverse Response and Deadtime. <b>2022</b> ,	0
49	Meta-Analysis of Nature Inspired Hybrid Cuckoo Algorithm. <b>2023</b> , 53-62	0
48	Forecast of Airblast Vibrations Induced by Blasting Using Support Vector Regression Optimized by the Grasshopper Optimization (SVR-GO) Technique. <b>2022</b> , 12, 9805	1
47	Modern Techniques for the Optimal Power Flow Problem: State of the Art. <b>2022</b> , 15, 6387	3
46	Application of a Hybrid Camel Traveling Behavior Algorithm for Traveling Salesman Problem. <b>2022</b> , 24, 725-735	0
45	Boxing Match Algorithm: a new meta-heuristic algorithm.	0
44	Prediction and optimization of heating and cooling loads for low energy buildings in Morocco: An application of hybrid machine learning methods. <b>2022</b> , 61, 105332	0
43	Brain and Its Universal Logical Model of Multi-Agent Biological Systems.	0
42	Particle Swarm Optimization with a Simplex Strategy to Avoid Getting Stuck on Local Optimum. <b>2022</b> , 1-40	0
41	Application of Meta-Heuristic Algorithms for Training Neural Networks and Deep Learning Architectures: A Comprehensive Review.	2

40	Advances in Genomic Profiling of Colorectal Cancer Using Nature-Inspired Computing Techniques. <b>2023</b> , 63-87	0
39	Chaos follow the leader algorithm: Application to data classification. <b>2022</b> , 65, 101886	0
38	Influencer buddy optimization: Algorithm and its application to electricity load and price forecasting problem. <b>2023</b> , 263, 125641	0
37	Optimal forecast combination based on PSO-CS approach for daily agricultural future prices forecasting. <b>2022</b> , 109833	0
36	Task processing optimization using cuckoo particle swarm (CPS) algorithm in cloud computing infrastructure.	0
35	Nature inspired method for noninvasive fetal ECG extraction. <b>2022</b> , 12,	0
34	Mathematical modeling and designing an optimized fuzzy temperature controller for a vacuum box electric furnace: Numerical and experimental study. 014233122211240	0
33	Optimal synthesis of an adjustable six-bar path generator mechanism using a cuckoo optimization algorithm. <b>2022</b> , 17, 149-167	0
32	Equivalent Circuit Model Parameters Estimation of Lithium-Ion Batteries Using Cuckoo Search Algorithm. <b>2022</b> , 169, 120503	0
31	Prediction of permeability of highly heterogeneous hydrocarbon reservoir from conventional petrophysical logs using optimized data-driven algorithms.	0
30	Estimation of the improved high-performance concrete's mechanical characteristics using unique regression methods. <b>2022</b> , 1-14	0
29	Optimized simulation of river flow rate using regression-based models.	0
28	Performance assessment and exhaustive listing of 500+ nature-inspired metaheuristic algorithms. <b>2023</b> , 101248	2
27	An improved hybrid model for short term power load prediction. <b>2023</b> , 268, 126561	0
26	Swarm optimization for Arabic word sense disambiguation based on English pre-trained word embeddings. <b>2022</b> ,	0
25	The goat search algorithms.	0
24	Binary Starling Murmuration Optimizer Algorithm to Select Effective Features from Medical Data. <b>2023</b> , 13, 564	2
23	A novel swarm intelligence: cuckoo optimization algorithm (COA) and SailFish optimizer (SFO) in landslide susceptibility assessment.	0

22	Spatial modeling of geogenic indoor radon distribution in Chungcheongnam-do, South Korea using enhanced machine learning algorithms. <b>2023</b> , 171, 107724	0
21	Swarm Intelligence in Internet of Medical Things: A Review. <b>2023</b> , 23, 1466	1
20	Particle Swarm Optimization of Convolutional Neural Networks for Diabetic Retinopathy Classification. <b>2023</b> , 237-252	0
19	Adaptive population-based multi-objective optimization in SDN controllers for cost optimization. <b>2023</b> , 58, 102006	1
18	Missing Data Imputation in Multivariate Time Series Data. <b>2022</b> , 19, 39-60	0
17	A Heuristic-based Approach for Improvement the Performance of Probabilistic AODV Routing Algorithms in MANETS. <b>2022</b> ,	0
16	An exhaustive review of the metaheuristic algorithms for search and optimization: taxonomy, applications, and open challenges.	0
15	Crude oil production prediction based on an intelligent hybrid modelling structure generated by using the clustering algorithm in big data. <b>2023</b> , 225, 211703	0
14	Orchard Algorithm (OA): A new meta-heuristic algorithm for solving discrete and continuous optimization problems. <b>2023</b> , 208, 95-135	1
13	Appraisal of energy loss reduction in green buildings using large-scale experiments compiled with swarm intelligent solutions. <b>2023</b> , 57, 103215	0
12	Harris hawks optimizer based on the novice protection tournament for numerical and engineering optimization problems. <b>2023</b> , 53, 6133-6158	2
11	An Optimal Control Approach for Switched Nonlinear Systems Based on Selfish Herd Optimization Algorithm. <b>2022</b> ,	0
10	Neural network models for simulating adsorptive evicton of metal contaminants from effluent streams using natural materials (NMs). <b>2023</b> , 35, 5751-5767	1
9	Solving the Two-Crane Scheduling Problem in the Pre-Steelmaking Process. <b>2023</b> , 11, 549	1
8	An optimized wavelet neural networks using cuckoo search algorithm for function approximation and chaotic time series prediction. <b>2023</b> , 6, 100188	0
7	A systematic review on recent advances in autonomous mobile robot navigation. <b>2023</b> , 40, 101343	0
6	Plum Tree Algorithm and Weighted Aggregated Ensembles for Energy Efficiency Estimation. <b>2023</b> , 16, 134	0
5	Optimal placement of parking of electric vehicles in smart grids, considering their active capacity. <b>2023</b> , 220, 109238	0

- 4 Bacteria phototaxis optimizer. ○
- 3 Artificial Bee Colony-Based Dynamic Sliding Mode Controller for Integrating Processes with Inverse Response and Deadtime. **2023**, 44-62 ○
- 2 Modified Cuckoo Optimization Algorithm for Frequency Regulation of Microgrids. **2023**, ○
- 1 Audio Stegging using Evolutionary Algorithms. ○