

Submission	Title	Position
pos102s2	Minimal Criterion Artist Collective	A9
pos105s2	On the interaction between Lexicase Selection, Modularity and Data Subsets	M6
pos106s2	Benchmarking Genetic Programming in a Multi-action Reinforcement Learning Locomotion Task	N6
pos107s2	Comparison of Evolutionary Multi-Objective Optimization Algorithms Using Imitation Game	G1
pos108s2	EvoJAX: Hardware-Accelerated Neuroevolution	O2
pos109s2	Combining GIN and PMD for Code Improvements	A7
pos110s2	Minimize Surprise MAP-Elites: A Task-Independent MAP-Elites Variant for Swarms	H1
pos111s2	Evolving Spaceships with a Hybrid L-system Constrained Optimisation Evolutionary Algorithm	B9
pos113s2	Counterexample to the Best-case Running time of Efficient Non-Dominated Sorting Algorithm	F7
pos114s2	Multi-Objective Counterfactual Fairness	A3
pos115s2	On stochastic evolving algorithms	P2
pos116s2	Cooperative Co-Evolutionary Memetic Algorithm for Pickup and Delivery Problem with Time Windows	A2
pos117s2	Distributed Evolution Strategies for Large Scale Optimization	A4
pos118s2	Accelerating Neural Architecture Exploration Across Modalities Using Genetic Algorithms	A8
pos121s2	A Surrogate Model-based Genetic Algorithm for the Optimal Policy in Cart-pole Balancing Environments	A6
pos122s2	Do Harsher Environments cause Selfish or Altruistic Behavior?	I1
pos125s2	Evolvable Hybrid Ensembles for Musical Genre Classification	Q2
pos127s2	Towards Optimizing Neural Networks' Connectivity and Architecture Simultaneously with Feature Selection	B8
pos128s2	Estimating the Quality of Initial Populations in Multi-Objective Evolutionary Algorithms	B3
pos129s2	On the Fitness Landscapes of Interdependency Models in the Travelling Thief Problem	B2
pos132s2	Boosting the Convergence of a GA-based Wrapper for Feature Selection Problems on High-dimensional Data	F5
pos133s2	BOBEA: A Bi-Objective Biclustering Evolutionary Algorithm for Genome-Wide Association Analysis	C3
pos135s2	A Constraint Cone Decomposition Evolutionary Algorithm with Dual Populations	D3
pos136s2	A preliminary study of Prediction Interval Methods with Genetic Programming	O6
pos137s2	On the Effect of Embedding Hierarchy within Multi-Objective Optimization for Evolving Symbolic Regression Models	P6
pos139s2	Particle Swarm Optimization with Average-Fitness Based Selection	A1
pos140s2	Synaptic Pruning with MAP-Elites	C8
pos142s2	Cascades of Evolutionary Support Vector Machines	R2
pos143s2	Ant Colony Optimization for Feature Selection via a Filter-Randomized Search Heuristic	B1
pos144s2	DEVS: Data Distillation Algorithm Based on Evolution Strategy	S2
pos145s2	CoBEA: Framework for Evolving Hardware by Direct Manipulation of FPGA Bitstreams	J1
pos146s1	Evolutionary Constrained Multi-task Optimization: Benchmark Problems and Preliminary Results	G5
pos147s1	Initialization method of genetic algorithm based on improved clustering algorithm	H5
pos148s1	Learning to Balance Exploration and Exploitation in Pareto Local Search for Multi-objective Combinatorial Optimization	E3
pos149s1	Wind Farm Layout Optimisation using Set Based Multi-objective Bayesian Optimisation	C9
pos150s1	Binary and Multinomial Classification through Evolutionary Symbolic Regression	T2
pos151s1	Independent Influence of Exploration and Exploitation for Metaheuristic-based Recommendations	B6
pos152s1	Genetic Programming with Diverse Partner Selection for Dynamic Flexible Job Shop Scheduling	Q6
pos153s1	Neighbours Similar Fitness and the Effectiveness of Restarting Local Search	C2
pos154s1	Novelty Driven Evolutionary Neural Architecture Search	D8
pos155s1	Exact and Sequential Penalty Weights in Quadratic Unconstrained Binary Optimisation with a Digital Annealer	D2
pos156s1	A Chaotic Parallel Antlion Optimization Algorithm for Feature Selection	C1
pos157s1	Localized Distance and Time-based Differential Evolution for Multimodal Optimization Problems	C6
pos158s1	Genetic Programming with External Memory in Sequence Recall Tasks	R6
pos159s1	Benchmarking Algorithm Portfolio Construction Methods	D6
pos160s1	Policy Network for Solving Flexible Job Shop Scheduling Problem With SetupTimes and Resource Constraints	E2
pos161s1	Cooperative Attack-Defense Evolution of Large-Scale Agents: A Multi-Population High-Dimensional Mean-Field Game Approach	D1
pos162s1	QDax: On the Benefits of Massive Parallelization for Quality-Diversity	K1
pos163s1	A Layered Learning Estimation of Distribution Algorithm	B4
pos164s1	Exploring the Decision and Objective Space of SAT Constrained Multi-Objective Problems	F3
pos165s1	Active Learning Improves Performance on Regression Tasks inStackGP	S6
pos167s1	Neural Architecture Search Using Genetic Algorithm for Facial Expression Recognition	I5
pos168s1	Neuroevolution of Recurrent Architectures on Control Tasks	E8
pos169s1	An Analysis on Effectiveness of Estimated Convergence Points for Enhancement of Multi-objective Optimization Algorithms	G3
pos170s1	Public Transport Timetable and Charge Optimization Using Multiple Electric Buses Types	D9
pos171s1	Evolutionary-based Automated Testing for GraphQL APIs	B7
pos172s1	Selection schemes from evolutionary computing show promise for directed evolution of microbes	E9
pos173s1	Dynamic Multi-objective Ensemble of Acquisition Functions in Batch Bayesian Optimization	E6
pos174s1	Neuroevolution based Multi-Objective Algorithm for Gene Selection and Microarray Classification	F8
pos175s1	Adapting Mutation and Recombination Operators to Range-Aware Relations in Real-World Application Data	F9
pos176s1	Large Scale Image Classification Using GPU-based Genetic Programming	T6
pos177s1	Ant Colony Optimization with Shortest Route Biased Dispatch for Visiting Constrained Multiple Traveling Salesmen Problem	E1
pos178s1	Evolving Convolutional Neural Networks for Intrusion Detection System Using Hybrid Multi-Strategy Aquila Optimizer	J3
pos179s1	A Hybrid Self-Adapting Multi-Swarm Algorithm Based on PSO and CMA-ES for Continuous Dynamic Optimization	A5
pos180s1	Genetic Heterogeneity Analysis Using Genetic Algorithm and Network Science	G9
pos181s1	A Safety Checking Algorithm with Multi-swarm Particle Swarm Optimization	C7
pos182s1	Efficient Guided Evolution for Neural Architecture Search	G8
pos183s1	A Hybrid Optimization Tool For Active Magnetic Regenerator	H9
pos184s1	Imbalanced Classification with TPG Genetic Programming: Impact of Problem Imbalance and Selection Mechanisms	G7
pos185s1	Analyzing Optimized Constants in Genetic Programming on a Real-World Regression Problem	H7
pos186s1	Denoising Autoencoder Genetic Programming for Real-World Symbolic Regression	I7
pos187s1	Trimming, Ordering, and Similarity Check for DSMGA-II	J5
pos188s1	Using Domain Knowledge in Coevolution and Reinforcement Learning to Simulate a Logistics Enterprise	F6
pos189s1	Multi-Objective Path Planning for Environmental Monitoring using an Autonomous Surface Vehicle	I9
pos190s1	A Hyper-Heuristic Approach for Artificial Teeth Scheduling	J9
pos191s1	Heuristic Strategies for Solving the Combinatorial Optimization Problem in Credit Risk Assessment: A Real-World Case Study	K9
pos192s1	Multi-Objective Evolutionary Beer Optimisation	L9
pos193s1	Comparing different Metaheuristics for Model Selection in a Supervised Learning Classifier System	K3
pos194s1	An Evolutionary Approach to the Discretization of Gene Expression Profiles to Predict the Severity of COVID-19	M9
pos195s1	Failed Disruption Propagation in Integer Genetic Programming	J7
pos196s1	Multi-workflow Scheduling in Industrial Edge: A Genetic Algorithm with Heuristic Strategy	F2
pos197s1	Towards an Interactive Ranking Operator for NSGA-II	D7
pos198s1	Optimizing Sample Diversity with Fairness Constraints on Imbalanced, Sparse, Hiring Data	N9
pos199s1	Chaotic Genetic Bee Colony: Combining Chaos Theory and Genetic Bee Algorithm for Feature Selection in Microarray Cancer Classification	L3
pos200s1	Geodesics, Non-linearities and the Archive of Novelty Search	L1
pos201s1	Multi-task Optimisation for Multi-objective Feature Selection in Classification	M3
pos203s1	Extending the Push and Pull Search Framework with Boundary Search for Constrained Multi-Objective Optimization	H3
pos204s1	Improved data clustering using multi-trial vector-based differential evolution with Gaussian crossover	G6
pos205s1	Incorporating Sub-programs as Knowledge in Program Synthesis by PushGP and Adaptive Replacement Mutation	K7
pos206s1	Particle Swarm Optimisation for Sparsity-based Feature Selection in Multi-label Classification	N3
pos207s1	Dropout Topology-Assisted Bidirectional Learning Particle Swarm Optimization for Neural Architecture Search	F1
pos208s1	A Surrogate-Assisted Multi-objective Evolutionary Algorithm for Shelter Locating and Evacuation Planning	O9
pos209s1	Compositional Genetic Programming for Symbolic Regression	L7
pos210s1	CGP-NAS: Real-based solutions encoding for multi-objective evolutionary neural architecture search	H8
pos211s1	A Distributed Particle Swarm Optimization Algorithm for Distributed Clustering	O3
pos212s1	External Archive Hybrid Genetic Algorithm for Unequal Area Facility Layout Problem	G2
pos213s1	Black-Box Adversarial Attack via Overlapped Shapes	K5
pos214s1	Scalable Evolutionary Hierarchical Reinforcement Learning	P3
pos215s1	GA-Auto-PU: A Genetic Algorithm-based Automated Machine Learning System for Positive-Unlabeled Learning	O3
pos216s1	Using Evolutionary Game Theory to Understand Scalability in Task Allocation	M1
pos217s1	Improving DSMGA-II Performance on Hierarchical Problems by Introducing Preservative Back Mixing	L5
pos218s1	The Diversity-Accuracy Duality in Ensembles of Classifiers	I8
pos219s1	Evolving Parsimonious Circuits through Shapley Value-based Genetic Programming	M7
pos220s1	Towards Multi-Objective Optimization of Sustainable Insect Production Chains	I3
pos221s1	A Comparative Analysis on Genome Pleiotropy for Evolved Soft Robots	N1
pos222s1	Application of Nature Inspired Algorithms to Multi-objective Optimization of New Generation Network Problem	C4
pos223s1	The Effect of Epigenetic Blocking on Dynamic Multi-Objective Optimisation Problems	D4
pos224s1	A Novel Evolutionary Framework Based on a Family Concept for Solving Multi-objective Bilevel Optimization Problems	E4
pos225s1	De-redundancy in a Random Boolean Network Using Knockout	O1
pos226s1	AutoMoDe-Pomodoro: An Evolutionary Class of Modular Designs	P1
pos227s1	Neuroevolutionary Multi-objective approaches to Trajectory Prediction in Autonomous Vehicles	J8
pos228s1	Quantum-Enhanced Selection Operators for Evolutionary Algorithms	M5
pos229s1	A Computationally Fast but Approximate MIP-DoM Calculation for Multi-Objective Optimization	F4
pos230s1	Towards Evolutionary Self-Optimization of Large Multi-Agent Systems	H2
pos231s1	Regulatory Genotype-to-Phenotype Mappings Improve Evolvability in Genetic Programming	N7
pos232s1	Interpretable pipelines with evolutionarily optimized modules for reinforcement learning tasks with visual inputs	R3
pos233s1	Accelerated Pattern Search with Variable Solution Size for Simultaneous Instance Selection and Generation	S3
pos234s1	A Hyper-Heuristic Approach for the PDPTW	I2
pos235s1	Cost-sensitive Classification Tree Induction as a Bi-level Optimization Problem	T3

pos236s1	Automatically Evolving Malice Scoring Models through Utilisation of Genetic Programming: A Cooperative Coevolution Approach	O7
pos237s1	Selecting Continuous Life-Like Cellular Automata for Halting Unpredictability: Evolving for Abiogenesis	Q1
pos238s1	A New Grammatical Evolution Method for Generating Deep Convolutional Neural Networks with Novel Topologies	K8
pos239s1	An Optimization Strategy for the Complex Large-Scale Stockpile Blending Problem	P9
pos240s1	A Bi-level Evolutionary Approach for the Multi-label Detection of Smelly Classes	E7
pos241s1	On Generalizing the Power Function Exponent Constructions with Genetic Programming	Q9
pos242s1	Genetic programming for electric vehicle routing problem with soft time windows	P7
pos243s1	Separating Rule Discovery and Global Solution Composition in a Learning Classifier System	J4
pos244s1	Growth-Based Morphological Development: A Natural Approach to Fitness Landscape Shaping	R1
pos245s1	Optimizing LLVM Pass Sequences with Shackleton: A Linear Genetic Programming Framework	Q7
pos246s1	Espresso to the rescue of Genetic Programming facing exponential complexity	R7
pos247s1	A GA based Approach for Solving Ring Design Telecommunication Network	N5
pos248s1	On the Potential of Automated Algorithm Configuration on Multi-Modal Multi-Objective Optimization Problems	G4
pos249s1	Enhancing MOEA/D with Learning: Application to Routing Problems with Time Windows	H6
pos250s1	Fairness in Generative Modeling: do it Unsupervised!	K4
pos251s1	An Effective Metaheuristic-based Pruning Method for Convolutional Neural Network	L8
pos252s1	Surrogate Models for IoT Task Allocation Optimization	H4
pos253s1	Bayesian Model Selection for Reducing Bloat and Overfitting in Genetic Programming for Symbolic Regression	S7
pos254s1	PreDive: Preserving Diversity in Test Cases for Evolving Digital Circuits using Grammatical Evolution	R9
pos255s1	Dynamic Perturbation for Population Diversity Management in Differential Evolution	B5
pos256s1	Entropy-Based Local Fitnesses for Evolutionary Multiagent Systems	L4
pos257s1	Networks of evolution: Modelling and deconstructing genetic algorithms	O5
pos258s1	TGPGAN - Towards Expression-based Generative Adversarial Networks	M4
pos259s1	A Novel Dynamic Analysis on Multi-scale Quantum Harmonic Oscillator Algorithm Using Double-well Function	C5
pos260s1	A Single Neural Cellular Automaton for Body-Brain Co-evolution	S1
pos261s1	A Comparative Study of GP-based and State-of-the-art Classifiers on a Synthetic Machine Learning Benchmark	N4
pos262s1	Using Graph Neural Networks as Surrogate Models in Genetic Programming	T7
pos263s1	The pole balancing problem from the viewpoint of system flexibility	P5
pos264s1	An Edge Quality Aware Crossover Operator for Application to the Capacitated Vehicle Routing Problem	Q5
pos265s1	Implementing and Evaluating Parallel Evolutionary Algorithms in Modern GPU Computing Libraries	I6
pos266s1	ONE-NAS: An Online NeuroEvolution based Neural Architecture Search for Time Series Forecasting	M8
pos267s1	Multi-fidelity optimization method with Asynchronous Generalized Island Model for AutoML	O4
pos268s1	MOPINNs: An Evolutionary Multi-Objective Approach to Physics-Informed Neural Networks	P4
pos269s1	Routing for Bridge Inspecting Robots Using a Meta-heuristic Genetic Algorithm	S9
pos270s1	Dynamic evaluation of Decomposition Methods for Large-Scale Optimization Problems using an Island Model	J6
pos271s1	Balancing Teams with Quality-Diversity for Heterogeneous Multiagent Coordination	Q4
pos272s1	Going Faster and Hence Further with Lexicase Selection	O8
pos273s1	Human Activity Recognition Using Grammar-based Genetic Programming	T9
pos274s1	Empowered Neural Cellular Automata	T1
pos275s1	Bootstrapped Fitness Critics with Bidirectional Temporal Difference	R4
pos276s1	Designing a Novel and High Performance Algorithmic Trading Model using Evolutionary AutoML and Technical Analysis	S4
pos277s1	Improving the Differential Evolution Strategy by coupling it with CMA-ES	D5
pos278s1	Evolving Polydisperse Soft Robotic Jamming Grippers	I10
pos279s1	Fair Feature Subset Selection using Multiobjective Genetic Algorithm	J4
pos280s1	The Effect of Mirrored Sampling with active CMA and Sample Reuse in the CMAES-APOP Algorithm	E5
pos281s1	Exploiting Landscape Features for Fitness Prediction in University Timetabling	J2
pos282s1	Quantum Strategy of Population Initialization in Genetic Algorithm	R5
pos283s1	Facility Location Problem And Permutation Flow Shop Scheduling Problem: A Linked Optimisation Problem	J10
pos284s1	Discovery of Implicit Relationships from Data Using Linear Programming and Mixed Integer Linear Programming	P8
pos285s1	Reduction of Genetic Drift in Population-Based Incremental Learning via Entropy Regularization	K6
pos286s1	Multilevel Memetic Hypergraph Partitioning with Greedy Recombination	K2
pos287s1	Effects of encodings and quality-diversity on evolving 2D virtual creatures	L2
pos288s1	Evolving Robot Bodies with a Sense of Direction	M2
pos289s1	Initialisation and Grammar Design in Grammar-Guided Evolutionary Computation	Q8
pos290s1	Phenotypic Duplication and Inversion in Cartesian Genetic Programming applied to Boolean Function Learning	R8
pos291s1	MFENAS: Multifactorial Evolution for Neural Architecture Search	N8
pos292s1	Evolutionary operation settings for outcome accumulation type evolutionary rule discovery method	S5
pos293s1	Fitness Diversification in the Service of Fitness Optimization: a Comparison Study	L6
pos294s1	Environments with Local Scopes for Modules in Genetic Programming	S8
pos295s1	Diversification Techniques and Distance Measures in Evolutionary Design of 3D Structures	N2
pos296s1	KDE-GAN: Enhancing Evolutionary GAN With Knowledge Distillation and Transfer Learning	T4
pos297s1	Rethinking of Controller Placement Problem from Static Optimization to Multi-objective Dynamic Optimization	K10
pos298s1	Exploration Of Unknown Environments Via Evolution Of Behavioral And Morphological Properties Of Miniaturized Sensory Agents	L10
pos299s1	Adversarial Example Generation via Genetic Algorithm: A Preliminary Result	T5
pos300s1	Genetic Programming for Understanding Cognitive Biases that Generate Polarization in Social Networks	T8
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