

# CITATION REPORT

List of articles citing

**The fully informed particle swarm: simpler, maybe better**

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866	An analysis of the velocity updating rule of the particle swarm optimization algorithm. <b>2014</b> , 20, 417-452		39
865	Teaching and peer-learning particle swarm optimization. <b>2014</b> , 18, 39-58		71
864	An adaptive particle swarm optimization algorithm for reservoir operation optimization. <b>2014</b> , 18, 167-177		61

863	Quadratic interpolation based orthogonal learning particle swarm optimization algorithm. <b>2014</b> , 13, 17-37		6
862	A hybrid approach of dimension partition and velocity control to enhance performance of particle swarm optimization. <b>2014</b> , 18, 2501-2523		1
861	Enhancing performance of particle swarm optimization through an algorithmic link with genetic algorithms. <b>2014</b> , 57, 761-794		30
860	Teaching Learning-based optimization with dynamic group strategy for global optimization. <b>2014</b> , 273, 112-131		90
859	An adaptive two-layer particle swarm optimization with elitist learning strategy. <b>2014</b> , 273, 49-72		53
858	A hybrid topology scale-free Gaussian-dynamic particle swarm optimization algorithm applied to real power loss minimization. <b>2014</b> , 32, 63-75		18
857	Dynamic representation of fuzzy knowledge based on fuzzy petri net and genetic-particle swarm optimization. <b>2014</b> , 41, 1369-1376		31
856	Optimization of fed-batch fermentation processes with bio-inspired algorithms. <b>2014</b> , 41, 2186-2195		39
855	A two-swarm cooperative particle swarms optimization. <i>Swarm and Evolutionary Computation</i> , <b>2014</b> , 15, 1-18	9.8	51
854	Modified Teaching Learning-Based Optimization algorithm for global numerical optimization: A comparative study. <i>Swarm and Evolutionary Computation</i> , <b>2014</b> , 16, 28-37	9.8	92
853	Particle swarm optimization with increasing topology connectivity. <b>2014</b> , 27, 80-102		65
852	Parameter tuning of particle swarm optimization by using Taguchi method and its application to motor design. <b>2014</b> ,		11
851	Bare bones particle swarm optimization with scale matrix adaptation. <b>2014</b> , 44, 1567-78		48
850	Protein Ligand Docking in Drug Discovery. <b>2014</b> , 249-286		5
849	A hybrid biogeography-based optimization and fireworks algorithm. <b>2014</b> ,		31
848	A scatter learning particle swarm optimization algorithm for multimodal problems. <b>2014</b> , 44, 1127-40		91
847	An efficient GABSO approach for solving mixed-integer nonlinear programming problem in reliability optimization. <i>Swarm and Evolutionary Computation</i> , <b>2014</b> , 19, 43-51	9.8	43
846	Novel associative classifier based on dynamic adaptive PSO: Application to determining candidates for thoracic surgery. <b>2014</b> , 41, 8234-8244		16

845	Human cognition inspired particle swarm optimization algorithm. <b>2014</b> ,	11
844	Swarm/flock optimization algorithms as continuous dynamic systems. <b>2014</b> , 243, 670-683	14
843	Superior solution guided particle swarm optimization combined with local search techniques. <b>2014</b> , 41, 7536-7548	68
842	An improved particle swarm optimizer based on tabu detecting and local learning strategy in a shrunk search space. <b>2014</b> , 23, 76-90	21
841	Electric circuits performing the swarm optimization. <b>2014</b> , 22, 1109-1127	1
840	Enhanced comprehensive learning particle swarm optimization. <b>2014</b> , 242, 265-276	42
839	Particle swarm optimization with adaptive time-varying topology connectivity. <b>2014</b> , 24, 623-642	34
838	A locally convergent rotationally invariant particle swarm optimization algorithm. <b>2014</b> , 8, 159-198	49
837	A hybridization of teaching-learning-based optimization and differential evolution for chaotic time series prediction. <b>2014</b> , 25, 1407-1422	50
836	A comparison of various optimization algorithms of protein-ligand docking programs by fitness accuracy. <b>2014</b> , 20, 2251	27
835	Probabilistic opposition-based particle swarm optimization with velocity clamping. <b>2014</b> , 39, 703-737	27
834	A particle swarm optimization using local stochastic search and enhancing diversity for continuous optimization. <b>2014</b> , 137, 261-267	37
833	A composite particle swarm algorithm for global optimization of multimodal functions. <b>2014</b> , 21, 1871-1880	3
832	Multiobjective particle swarm optimization without the personal best. <b>2014</b> , 19, 155-159	
831	Dynamic economic dispatch using Lbest-PSO with dynamically varying sub-swarms. <b>2014</b> , 6, 85-95	14
830	A novel particle swarm optimization algorithm with Levy flight. <b>2014</b> , 23, 333-345	209
829	Improving RCPSP solutions quality with Stacking Justification Application with particle swarm optimization. <b>2014</b> , 41, 5870-5881	25
828	Enhancing artificial bee colony algorithm using more information-based search equations. <b>2014</b> , 270, 112-133	119

827	Bidirectional teaching and peer-learning particle swarm optimization. <b>2014</b> , 280, 111-134	31
826	Online optimal decoupled sliding mode control based on moving least squares and particle swarm optimization. <b>2014</b> , 268, 342-356	26
825	AHPS2: An optimizer using adaptive heterogeneous particle swarms. <b>2014</b> , 280, 26-52	16
824	Self-adaptive mix of particle swarm methodologies for constrained optimization. <b>2014</b> , 277, 216-233	40
823	An optimized nearest prototype classifier for power plant fault diagnosis using hybrid particle swarm optimization algorithm. <b>2014</b> , 58, 257-265	11
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821	An improved teaching-learning-based optimization with neighborhood search for applications of ANN. <b>2014</b> , 143, 231-247	50
820	Optimal location and sizing of Distribution Static Synchronous Series Compensator using Particle Swarm Optimization. <b>2014</b> , 62, 646-653	28
819	Optimal location and sizing determination of Distributed Generation and DSTATCOM using Particle Swarm Optimization algorithm. <b>2014</b> , 62, 562-570	143
818	A finite-time particle swarm optimization algorithm for odor source localization. <b>2014</b> , 277, 111-140	19
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816	Mathematical Modelling and Short-term Forecasting of Electricity Consumption of the Power System, with Due Account of Air Temperature and Natural Illumination, Based on Support Vector Machine and Particle Swarm. <b>2015</b> , 129, 657-663	10
815	On the Performance of Particle Swarm Optimization Algorithms in Solving Cheap Problems. <b>2015</b> ,	2
814	An optimizer using swarm of chaotic dynamical particles. <b>2015</b> , 6, 112-130	12
813	Particle swarm optimization with switched topology. <b>2015</b> , 6, 181-193	4
812	A fully and discriminatorily informed particle swarm optimization with different sharing strategies for superior and inferior information. <b>2015</b> , 29, 195-207	1
811	A novel technique for current prediction in 33 kV substation. <b>2015</b> ,	0
810	A Modified Particle Swarm Optimization Based on Selective-Dimension Learning Model. <b>2015</b> ,	

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808	Adaptive particle swarm optimization with multi-dimensional mutation. <b>2015,</b>	1
807	Quantum-Behaved Particle Swarm Optimization with Novel Adaptive Strategies. <b>2015, 9,</b> 143-161	7
806	DAILY SCHEDULING OF SMALL HYDRO POWER PLANTS DISPATCH WITH MODIFIED PARTICLES SWARM OPTIMIZATION. <b>2015, 35,</b> 25-37	5
805	A Modified Particle Swarm Optimization Algorithm with Design of Experiment Technique and a Perturbation Process. <b>2015,</b>	
804	Parallel and Cooperative Particle Swarm Optimizer for Multimodal Problems. <b>2015, 2015,</b> 1-10	4
803	Abstract computation in schizophrenia detection through artificial neural network based systems. <b>2015, 2015,</b> 467178	6
802	A Novel Artificial Bee Colony Algorithm for Function Optimization. <b>2015, 2015,</b> 1-10	9
801	An Improved Teaching-Learning-Based Optimization with Differential Learning and Its Application. <b>2015, 2015,</b> 1-19	7
800	An Improved Quantum-Behaved Particle Swarm Optimization Algorithm with Elitist Breeding for Unconstrained Optimization. <b>2015, 2015,</b> 326431	17
799	Cloud Particles Differential Evolution Algorithm: A Novel Optimization Method for Global Numerical Optimization. <b>2015, 2015,</b> 1-36	2
798	Artificial Bee Colony Optimizer with Bee-to-Bee Communication and Multipopulation Coevolution for Multilevel Threshold Image Segmentation. <b>2015, 2015,</b> 1-23	4
797	Effects of Topological Variations on Opinion Dynamics Optimizer. <i>Lecture Notes in Computer Science, 2015,</i> 3-13	0.9
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795	Hybrid PSO6 for hard continuous optimization. <b>2015, 19,</b> 1843-1861	2
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788	Improved Self-Learning Particle Swarm Algorithm for Calibrating a Three-Axis Measuring System. <b>2015</b> ,	
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784	PSOVina: The hybrid particle swarm optimization algorithm for protein-ligand docking. <b>2015</b> , 13, 1541007	43
783	Small world network based dynamic topology for particle swarm optimization. <b>2015</b> ,	2
782	A self-adaptive dynamic particle swarm optimizer. <b>2015</b> ,	10
781	Improvements on particle swarm optimization algorithm for velocity calibration in microseismic monitoring. <b>2015</b> , 28, 263-273	5
780	Comparisons study of APSO OLPSO and CLPSO on CEC2005 and CEC2014 test suits. <b>2015</b> ,	3
779	Feedwater Heating Allocation Optimization for Large Capacity Steam Turbine Unit Based on Particle Swarm Optimization. <b>2015</b> , 137,	5
778	A supervised particle swarm algorithm for real-parameter optimization. <b>2015</b> , 43, 825-839	6
777	Non-parametric particle swarm optimization for global optimization. <b>2015</b> , 28, 345-359	48
776	A competitive swarm optimizer for large scale optimization. <b>2015</b> , 45, 191-204	416
775	Solving truss topological optimization via Swarm Intelligence. <b>2015</b> , 19, 1962-1972	2
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772	Using network science to assess particle swarm optimizers. <b>2015</b> , 5, 1		8
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769	Neural network river forecasting with multi-objective fully informed particle swarm optimization. <b>2015</b> , 17, 99-113		91
768	Adequate is better: particle swarm optimization with limited-information. <b>2015</b> , 268, 832-838		135
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766	Solving the redundancy allocation problem with multiple strategy choices using a new simplified particle swarm optimization. <b>2015</b> , 144, 147-158		26
765	Adaptive multi-loop fractional order PID controller tuning using Bat colony optimization for Quadruple Tank process. <b>2015</b> ,		1
764	Non cascaded short-term hydro-thermal scheduling using fully-informed particle swarm optimization. <b>2015</b> , 73, 983-990		26
763	A Population-Based Clustering Technique Using Particle Swarm Optimization and K-Means. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 145-152	0.9	4
762	Logic Programming and Artificial Neural Networks in Breast Cancer Detection. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 211-224	0.9	5
761	Particle Swarm Optimization inspired by starling flock behavior. <b>2015</b> , 35, 411-422		33
760	Particle Swarm Optimization. <b>2015</b> ,		4
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752	Random drift particle swarm optimization algorithm: convergence analysis and parameter selection. <b>2015</b> , 101, 345-376	40
751	Artificial neural networks in diabetes control. <b>2015</b> ,	37
750	Cooperative particle swarm optimizer with improved elimination mechanism for global optimization. <b>2015</b> ,	1
749	A Soft Computing Approach to Kidney Diseases Evaluation. <b>2015</b> , 39, 131	18
748	Mentoring based particle swarm optimization algorithm for faster convergence. <b>2015</b> ,	7
747	Optimal cloud storage problem in the distributed cloud data centers by the discrete PSO algorithm. <b>2015</b> ,	1
746	Acoustic-to-articulatory inversion using Particle Swarm Optimization. <b>2015</b> ,	2
745	Artificial bee colony algorithm with multiple search strategies. <b>2015</b> , 271, 269-287	47
744	Hybridized bat algorithm for multi-objective radio frequency identification (RFID) network planning. <b>2015</b> ,	23
743	Digital IIR Filter Design with Fix-Point Representation Using Effective Evolutionary Local Search Enhanced Differential Evolution. <b>2015</b> , 131-157	
742	Artificial Bee Colony Algorithm Based on Information Learning. <b>2015</b> , 45, 2827-39	94
741	Neural network river forecasting through baseflow separation and binary-coded swarm optimization. <b>2015</b> , 529, 1788-1797	181
740	The Impact of Centrality on Individual and Collective Performance in Social Problem-Solving Systems. <b>2015</b> ,	4
739	Teaching Learning-based optimization with learning experience of other learners and its application. <b>2015</b> , 37, 725-736	66
738	ANN-based interval forecasting of streamflow discharges using the LUBE method and MOFIPS. <b>2015</b> , 45, 429-440	132

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736	A new hybrid PSO algorithm based on a stochastic Markov chain model. <b>2015</b> , 90, 127-137	26
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734	An improved particle swarm optimization algorithm for the capacitated location routing problem and for the location routing problem with stochastic demands. <b>2015</b> , 37, 680-701	43
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731	A Modified Matricial PSO Algorithm Applied to System Identification with Convergence Analysis. <b>2015</b> , 26, 149-158	4
730	Memetic binary particle swarm optimization for discrete optimization problems. <b>2015</b> , 299, 58-84	73
729	Hybrid learning particle swarm optimizer with genetic disturbance. <b>2015</b> , 151, 1237-1247	28
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727	Dynamic cluster in particle swarm optimization algorithm. <b>2015</b> , 14, 655-672	5
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725	Association rule mining through adaptive parameter control in particle swarm optimization. <b>2015</b> , 30, 251-277	9
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723	Particle swarm optimization with dual-level task allocation. <b>2015</b> , 38, 88-110	27
722	An improved teaching-learning-based optimization algorithm for solving global optimization problem. <b>2015</b> , 297, 171-190	67
721	A new approach to particle swarm optimization algorithm. <b>2015</b> , 42, 844-854	22
720	A social learning particle swarm optimization algorithm for scalable optimization. <b>2015</b> , 291, 43-60	401

719	A hybrid fireworks optimization method with differential evolution operators. <b>2015</b> , 148, 75-82	103
718	Self regulating particle swarm optimization algorithm. <b>2015</b> , 294, 182-202	183
717	Solving 0/1 Knapsack Problem using Cohort Intelligence Algorithm. <b>2016</b> , 7, 427-441	60
716	A Chaos-Enhanced Particle Swarm Optimization with Adaptive Parameters and Its Application in Maximum Power Point Tracking. <b>2016</b> , 2016, 1-19	7
715	A Novel Particle Swarm Optimization Algorithm for Global Optimization. <b>2016</b> , 2016, 9482073	16
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706	Particle Swarms. <b>2016</b> , 203-228	0
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704	An opposition-based learning competitive particle swarm optimizer. <b>2016</b> ,	17
703	Particle swarm optimization with dynamic search strategies based on landscape modality estimation. <b>2016</b> ,	
702	Adaptive radius species based particle swarm optimization for multimodal optimization problems. <b>2016</b> ,	5

701	A Modified Adaptive Particle Swarm Optimization Algorithm. <b>2016</b> ,	2
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699	Bacterial Foraging Algorithm Guided by Particle Swarm Optimization for Parameter Identification of Photovoltaic Modules. <b>2016</b> , 39, 150-157	18
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682	Particle Swarm Optimization. <b>2016</b> , 153-173	56
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676	Adaptive Cooperative Sub-Swarms Optimization for tuning Neuro-Fuzzy model. <b>2016</b> ,	
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670	Locally informed gravitational search algorithm. <b>2016</b> , 104, 134-144	20
669	Gaussian bare-bones artificial bee colony algorithm. <b>2016</b> , 20, 907-924	47
668	ODMA: a novel swarm-evolutionary metaheuristic optimizer inspired by open source development model and communities. <b>2016</b> , 20, 727-747	10
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655	Modeling of gas-solid equilibrium of binary systems aided by Frankenstein PSO. <b>2016</b> , 19, 630-638	
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653	An enhanced particle swarm optimization with levy flight for global optimization. <b>2016</b> , 43, 248-261	162
652	Directionally Driven Self-Regulating Particle Swarm Optimization algorithm. <i>Swarm and Evolutionary Computation</i> , <b>2016</b> , 28, 98-116	9.8 33
651	An Experience Information Teaching-Learning-Based Optimization for Global Optimization. <b>2016</b> , 46, 1202-1214	16
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648	Optimal design of a honeycomb core composite sandwich panel using evolutionary optimization algorithms. <b>2016</b> , 139, 254-262	22



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645	Improved Particle Swarm Optimization for Global Optimization of Unimodal and Multimodal Functions. <b>2016</b> , 97, 525-535	3
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637	Genetic Learning Particle Swarm Optimization. <b>2016</b> , 46, 2277-2290	268
636	Accelerating particle swarm optimization using crisscross search. <b>2016</b> , 329, 52-72	56
635	Across neighborhood search for numerical optimization. <b>2016</b> , 329, 597-618	60
634	Particle Swarm Optimization With Interswarm Interactive Learning Strategy. <b>2016</b> , 46, 2238-2251	80
633	. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2016</b> , 20, 218-231	15.6 21
632	Fully informed artificial bee colony algorithm. <b>2016</b> , 28, 403-416	8
631	Self-adapting hybrid strategy particle swarm optimization algorithm. <b>2016</b> , 20, 4933-4963	13
630	Dynamic mentoring and self-regulation based particle swarm optimization algorithm for solving complex real-world optimization problems. <b>2016</b> , 326, 1-24	64

629	Clustering and pattern search for enhancing particle swarm optimization with Euclidean spatial neighborhood search. <b>2016</b> , 171, 966-981	16
628	A multi-strategy improved particle swarm optimization algorithm and its application to identifying uncorrelated multi-source load in the frequency domain. <b>2017</b> , 28, 1635-1656	10
627	Particle Swarm Optimization for Single Objective Continuous Space Problems: A Review. <b>2017</b> , 25, 1-54	311
626	An optimal learning-based controller derived from Hamiltonian function combined with a cellular searching strategy for automotive coldstart emissions. <b>2017</b> , 8, 955-979	7
625	Symbiosis-Based Alternative Learning Multi-Swarm Particle Swarm Optimization. <b>2017</b> , 14, 4-14	13
624	Democracy-inspired particle swarm optimizer with the concept of peer groups. <b>2017</b> , 21, 3267-3286	6
623	A population-based clustering technique using particle swarm optimization and k-means. <b>2017</b> , 16, 45-59	15
622	Weighted Superposition Attraction (WSA): A swarm intelligence algorithm for optimization problems [Part 1: Unconstrained optimization. <b>2017</b> , 56, 520-540	43
621	A Novel Consensus-Based Particle Swarm Optimization-Assisted Trust-Tech Methodology for Large-Scale Global Optimization. <b>2017</b> , 47, 2717-2729	25
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619	Particle Swarm Optimization with Enhanced Global Search and Local Search. <b>2017</b> , 26, 421-432	1
618	A Hybrid Symbiosis Organisms Search algorithm and its application to real world problems. <b>2017</b> , 9, 261-280	24
617	Hybridization of genetic algorithm and fully informed particle swarm for solving the multi-mode resource-constrained project scheduling problem. <b>2017</b> , 49, 513-530	33
616	Hierarchical multi-swarm cooperative teaching-learning-based optimization for global optimization. <b>2017</b> , 21, 6983-7004	13
615	On Global Smooth Path Planning for Mobile Robots using a Novel Multimodal Delayed PSO Algorithm. <b>2017</b> , 9, 5-17	80
614	Since CEC 2005 competition on real-parameter optimisation: a decade of research, progress and comparative analysis weakness. <b>2017</b> , 21, 5573-5583	41
613	Particle swarm optimization using multi-level adaptation and purposeful detection operators. <b>2017</b> , 385-386, 174-195	22
612	Real Estate Property Maintenance Optimization Based on Multiobjective Multidimensional Knapsack Problem. <b>2017</b> , 32, 227-251	16

611	Unified particle swarm delivers high efficiency to particle swarm optimization. <b>2017</b> , 55, 371-383		19
610	Efficient player selection strategy based diversified particle swarm optimization algorithm for global optimization. <b>2017</b> , 397-398, 69-90		13
609	Vector coevolving particle swarm optimization algorithm. <b>2017</b> , 394-395, 273-298		46
608	Ensemble particle swarm optimizer. <b>2017</b> , 55, 533-548		143
607	Particle swarm clustering fitness evaluation with computational centroids. <i>Swarm and Evolutionary Computation</i> , <b>2017</b> , 34, 103-118	9.8	11
606	An adaptive artificial bee colony algorithm based on objective function value information. <b>2017</b> , 55, 384-401		29
605	Niching particle swarm optimization techniques for multimodal buckling maximization of composite laminates. <b>2017</b> , 57, 495-503		6
604	Fundamentals of Evolutionary Computation. <b>2017</b> , 11-32		
603	Global-best brain storm optimization algorithm. <i>Swarm and Evolutionary Computation</i> , <b>2017</b> , 37, 27-44	9.8	64
602	A novel phase performance evaluation method for particle swarm optimization algorithms using velocity-based state estimation. <b>2017</b> , 57, 517-525		13
601	A modified competitive swarm optimizer for large scale optimization problems. <b>2017</b> , 59, 340-362		62
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599	Novel hybrid approach with elite group optimal computing budget allocation for the stochastic multimodal problem. <b>2017</b> , 260, 449-465		6
598	An improved PSO method for optimal design of subsea oil pipelines. <b>2017</b> , 141, 154-163		28
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596	A learning and niching based backtracking search optimisation algorithm and its applications in global optimisation and ANN training. <b>2017</b> , 266, 579-594		14
595	A particle swarm optimization algorithm with random learning mechanism and Levy flight for optimization of atomic clusters. <b>2017</b> , 219, 79-86		45
594	All-dimension neighborhood based particle swarm optimization with randomly selected neighbors. <b>2017</b> , 405, 141-156		23

593	Biomimicry of symbiotic multi-species coevolution for discrete and continuous optimization in RFID networks. <b>2017</b> , 24, 610-621		3
592	Enhanced harmony search with dual strategies and adaptive parameters. <b>2017</b> , 21, 4431-4445		8
591	A multi-class classification MCLP model with particle swarm optimization for network intrusion detection. <b>2017</b> , 42, 631-640		7
590	Optimization of electrostatic sensor electrodes using particle swarm optimization technique. <b>2017</b> , 89, 905-919		6
589	A hybrid Particle Swarm Optimization Variable Neighborhood Search algorithm for Constrained Shortest Path problems. <b>2017</b> , 261, 819-834		84
588	Seeking Multiple Solutions: An Updated Survey on Niching Methods and Their Applications. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2017</b> , 21, 518-538	15.6	126
587	Empowering particle swarm optimization algorithm using multi agents capability: A holonic approach. <b>2017</b> , 136, 58-74		12
586	Particle Swarm Optimization for Capacitated Location-Routing Problem. <b>2017</b> , 50, 14668-14673		8
585	A novel multi-swarm particle swarm optimization with dynamic learning strategy. <b>2017</b> , 61, 832-843		73
584	A charging-scheme decision model for electric vehicle battery swapping station using varied population evolutionary algorithms. <b>2017</b> , 61, 905-920		30
583	Improved heterogeneous particle swarm optimization. <b>2017</b> , 38, 481-499		15
582	Particle swarm optimizer with two differential mutation. <b>2017</b> , 61, 314-330		54
581	A ranking-based adaptive artificial bee colony algorithm for global numerical optimization. <b>2017</b> , 417, 169-185		65
580	Particle swarm optimization with a new update mechanism. <b>2017</b> , 60, 670-678		67
579	Globally-optimal prediction-based adaptive mutation particle swarm optimization. <b>2017</b> , 418-419, 186-217		18
578	A self-adaptive multi-population based Jaya algorithm for engineering optimization. <i>Swarm and Evolutionary Computation</i> , <b>2017</b> , 37, 1-26	9.8	114
577	Comparative analysis of GMDH neural network based on genetic algorithm and particle swarm optimization in stable channel design. <b>2017</b> , 313, 271-286		61
576	The effect of evaluation time variance on asynchronous Particle Swarm Optimization. <b>2017</b> ,		1

575	Time Adaptive Dual Particle Swarm Optimization. <b>2017,</b>	2
574	Efficient coordinator guided particle swarm optimization for real-parameter optimization. <b>2017,</b>	1
573	A pair-wise bare bones particle swarm optimization algorithm. <b>2017,</b>	3
572	A novel abstraction for swarm intelligence: particle field optimization. <b>2017, 31, 362-385</b>	8
571	Socio-Inspired Optimization Using Cohort Intelligence. <b>2017, 9-24</b>	1
570	Heterogeneous Strategy Particle Swarm Optimization. <b>2017, 64, 467-471</b>	35
569	Biogeography-based learning particle swarm optimization. <b>2017, 21, 7519-7541</b>	112
568	A Supervised Learning and Control Method to Improve Particle Swarm Optimization Algorithms. <b>2017, 47, 1135-1148</b>	105
567	Hierarchical winner-take-all particle swarm optimization social network for neural model fitting. <b>2017, 42, 71-85</b>	1
566	Monkey King Evolution: an enhanced ebb-tide-fish algorithm for global optimization and its application in vehicle navigation under wireless sensor network environment. <b>2017, 65, 351-364</b>	34
565	Improved global-best-guided particle swarm optimization with learning operation for global optimization problems. <b>2017, 52, 987-1008</b>	36
564	Effectiveness of new Multiple-PSO based Membrane Optimization Algorithms on CEC 2014 benchmarks and Iris classification. <b>2017, 16, 473-496</b>	8
563	Intelligent Multiple Search Strategy Cuckoo Algorithm for Numerical and Engineering Optimization Problems. <b>2017, 42, 567-593</b>	12
562	Improved Alopex-based evolutionary algorithm (AEA) by quadratic interpolation and its application to kinetic parameter estimations. <b>2017, 51, 23-38</b>	16
561	A scheduling and control system for electric vehicle charging at parking lot. <b>2017,</b>	3
560	Using Particle Swarm Optimization for Source Seeking in Multi-Agent Systems. <b>2017, 50, 11427-11433</b>	3
559	An Improved Particle Swarm Optimization Algorithm Based on Fuzzy PID Control. <b>2017,</b>	4
558	A Novel Inertia Identification Method for PMSM Servo System Based on Improved Particle Swarm Optimization. <b>2017,</b>	5

557	Online tuning based fuzzy logic controller for power system stabilizers. <b>2017</b> ,		2
556	Control humanoid robot using intelligent optimization algorithms fusion with fourier series. <b>2017</b> ,		
555	Enhancing Particle Swarm Algorithm for Multimodal Optimization Problems. <b>2017</b> ,		3
554	A hierarchical bare bones particle swarm optimization algorithm. <b>2017</b> ,		5
553	Particle Swarm Optimization Algorithm Based on Robust Control of Random Discrete Systems. <b>2017</b> ,		
552	Particle swarm optimization with a modified learning strategy and blending crossover. <b>2017</b> ,		1
551	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
550	GPU-based coevolutionary particle swarm optimization. <b>2017</b> ,		
549	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
548	Competitive Swarm Optimizer Based Gateway Deployment Algorithm in Cyber-Physical Systems. <i>Sensors</i> , <b>2017</b> , 17,	3.8	5
547	Personalized Movie Recommendation System Based on Support Vector Machine and Improved Particle Swarm Optimization. <b>2017</b> , E100.D, 285-293		7
546	Particle swarm optimizer with crossover operation. <b>2018</b> , 70, 159-169		73
545	A synergy of the sine-cosine algorithm and particle swarm optimizer for improved global optimization and object tracking. <i>Swarm and Evolutionary Computation</i> , <b>2018</b> , 43, 1-30	9.8	80
544	New evolutionary optimization method based on information sets. <b>2018</b> , 48, 3394-3410		8
543	A multi-swarm particle swarm optimization algorithm based on dynamical topology and purposeful detecting. <b>2018</b> , 67, 126-140		73
542	Performance investigations of APSO tuned linear and nonlinear PID controllers for a nonlinear dynamical system. <b>2018</b> , 5, 442-452		7
541	A quarter century of particle swarm optimization. <b>2018</b> , 4, 227-239		36
540	A novel particle swarm optimization based on prey-predator relationship. <b>2018</b> , 68, 202-218		29

539	MPSO: Modified particle swarm optimization and its applications. <i>Swarm and Evolutionary Computation</i> , <b>2018</b> , 41, 49-68	9.8	139
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537	Pity beetle algorithm [A new metaheuristic inspired by the behavior of bark beetles. <b>2018</b> , 121, 147-166		46
536	A Direction Aware Particle Swarm Optimization with Sensitive Swarm Leader. <b>2018</b> , 14, 57-67		21
535	A novel two-swarm based PSO search strategy for optimal short-term hydro-thermal generation scheduling. <b>2018</b> , 164, 460-481		16
534	Discrete comprehensive learning particle swarm optimization algorithm with Metropolis acceptance criterion for traveling salesman problem. <i>Swarm and Evolutionary Computation</i> , <b>2018</b> , 42, 77-88	9.8	50
533	Adaptive harmony search with best-based search strategy. <b>2018</b> , 22, 1335-1349		20
532	Social group optimization for global optimization of multimodal functions and data clustering problems. <b>2018</b> , 30, 271-287		47
531	A Grouping Particle Swarm Optimizer with Personal-Best-Position Guidance for Large Scale Optimization. <b>2018</b> , 15, 1904-1915		6
530	Particle swarm optimization algorithm: an overview. <b>2018</b> , 22, 387-408		476
529	Particle Swarm Optimization with Chaos-based Initialization for Numerical Optimization. <b>2018</b> , 24, 331-342		22
528	Improved gravitational search algorithm with crossover. <b>2018</b> , 66, 505-516		21
527	A sophisticated PSO based on multi-level adaptation and purposeful detection. <b>2018</b> , 22, 2603-2618		7
526	An improved particle swarm optimization algorithm based on comparative judgment. <b>2018</b> , 17, 641-661		7
525	Teaching[learning-based optimization with differential and repulsion learning for global optimization and nonlinear modeling. <b>2018</b> , 22, 7177-7205		4
524	Genetic mechanism-enhanced standard particle swarm optimization 2011. <b>2018</b> , 22, 7207-7225		2
523	DWT-SVD-Based Color Image Watermarking Using Dynamic-PSO. <b>2018</b> , 343-351		7
522	An Optimization Model for Electric Vehicle Battery Charging at a Battery Swapping Station. <b>2018</b> , 67, 881-895		65

521	Distributed learning particle swarm optimizer for global optimization of multimodal problems. <b>2018</b> , 12, 122-134		8
520	Dynamic small world particle swarm optimizer for function optimization. <b>2018</b> , 17, 901-917		5
519	Chaotic dynamic weight particle swarm optimization for numerical function optimization. <b>2018</b> , 139, 23-40		86
518	A hybrid particle swarm optimizer with sine cosine acceleration coefficients. <b>2018</b> , 422, 218-241		84
517	A new hybrid differential evolution algorithm with self-adaptation for function optimization. <b>2018</b> , 48, 1657-1671		19
516	A computational method for free terminal time optimal control problem governed by nonlinear time delayed systems. <b>2018</b> , 53, 242-250		5
515	Optimization Models with Coalitional Cellular Automata. <b>2018</b> , 139-169		
514	A novel orthogonal PSO algorithm based on orthogonal diagonalization. <i>Swarm and Evolutionary Computation</i> , <b>2018</b> , 40, 1-23	9.8	20
513	Population topologies for particle swarm optimization and differential evolution. <i>Swarm and Evolutionary Computation</i> , <b>2018</b> , 39, 24-35	9.8	91
512	Modified collective decision optimization algorithm with application in trajectory planning of UAV. <b>2018</b> , 48, 2328-2354		6
511	Using Particle Swarm Optimization to Accurately Identify Syntactic Phrases in Free Text. <b>2018</b> , 8, 63-77		14
510	Particle swarm optimization based fuzzy gain scheduled subspace predictive control. <b>2018</b> , 67, 331-344		10
509	A new hybrid algorithm for continuous optimization problem. <b>2018</b> , 55, 652-673		34
508	Auto Improved-PSO with Better Convergence and Diversity. <b>2018</b> , 43-51		
507	Multi swarm optimization algorithm with adaptive connectivity degree. <b>2018</b> , 48, 909-941		15
506	Adaptive Neuro-Fuzzy Sliding Mode Controller. <b>2018</b> , 7, 34-54		5
505	Ensemble learning particle swarm optimization for real-time UWB indoor localization. <b>2018</b> , 2018,		10
504	LocPSORank-Prediction of Ranking of Web Services Using Location-Based Clustering and PSO Algorithm. <b>2018</b> , 15, 38-60		3



503	A Dynamic Reconstruction Bare Bones Particle Swarm Optimization Algorithm. <b>2018,</b>	1
502	Learning Automata-Based Particle Swarm Optimizer. <b>2018,</b>	3
501	Competitive Swarm Optimization with Dynamic Opposition-based Learning. <b>2018,</b>	0
500	An Elitist Learning Particle Swarm Optimization With Scaling Mutation and Ring Topology. <b>2018, 6, 78453-78479</b>	
499	A Self-Adaptive Topologically Connected-Based Particle Swarm Optimization. <b>2018, 6, 65347-65366</b>	19
498	A Modified Genetic Learning PSO for Task Matching in Grid Environment. <b>2018,</b>	0
497	Scale Free Fully Informed Particle Swarm Optimization: Parametric Perspective. <b>2018,</b>	
496	Synthesis of adaptive control strategies for flocks of mobile robots using Aristotle's mechanics. <b>2018, 51, 525-529</b>	1
495	MaaS in Bike-Sharing: Smart Phone GPS Data Based Layout Optimization and Emission Reduction Potential Analysis. <b>2018, 152, 649-654</b>	8
494	Implementation of Gain Scheduling Multiloop PI Controller Using Optimization Algorithms for a Dual Interacting Conical Tank Process. <b>2018,</b>	2
493	Improving Artificial Bee Colony and Particle Swarm Optimization to Solve TSP Problem. <b>2018,</b>	3
492	Converging on Emergence: Reconnoitering to Optimally Adapt to Changes in System Environment. <b>2018,</b>	
491	Chaotic comprehensive learning particle swarm optimization with nonlinear transformation. <b>2018,</b>	
490	Class Social Learning Particle Swarm Optimization Algorithm. <b>2018,</b>	1
489	Improved Sine Cosine Algorithm with Reverse-Learning and Adaptive Tent Chaos Search. <b>2018,</b>	1
488	A Novel Simple Particle Swarm Optimization Algorithm for Global Optimization. <b>2018, 6, 287</b>	10
487	Optimization design for tandem cascades of compressors based on adaptive particle swarm optimization. <i>Engineering Applications of Computational Fluid Mechanics</i> , <b>2018, 12, 535-552</b>	4-5 9
486	Chaotic Simulated Annealing Particle Swarm Optimization Algorithm. <b>2018,</b>	3

485	Memetic particle swarm optimization scheme for direction-of-arrival estimation in multipath environment. <b>2018</b> , 34, 3955-3968		3
484	Optimizing floating centroids method neural network classifier using dynamic multilayer particle swarm optimization. <b>2018</b> ,		1
483	A new natural-inspired continuous optimization approach. <b>2018</b> , 35, 3267-3283		6
482	Particle Swarm Methods. <b>2018</b> , 639-685		2
481	Optimal resource allocation in interdependent networks. <b>2018</b> , 508, 104-110		12
480	The networked evolutionary algorithm: A network science perspective. <b>2018</b> , 338, 33-43		36
479	Hybridizing Nature-Inspired Algorithms to Derive Accurate Surrogate Thermal Model: Genetic and Particle Swarm Optimization. <b>2018</b> ,		
478	Improving Particle Swarm Optimization Based on Neighborhood and Historical Memory for Training Multi-Layer Perceptron. <b>2018</b> , 9, 16		9
477	Double-Group Particle Swarm Optimization and Its Application in Remote Sensing Image Segmentation. <i>Sensors</i> , <b>2018</b> , 18,	3.8	12
476	A very optimistic method of minimization (VOMMI) for unconstrained problems. <b>2018</b> , 454-455, 255-274		4
475	A machine learning technique toward generating minimum energy structures of small boron clusters. <b>2018</b> , 118, e25672		8
474	Optimization of Adaptive Cycle Engine Performance Based on Improved Particle Swarm Optimization. <b>2018</b> ,		
473	Parameter Estimation of Electromechanical Oscillation Based on a Constrained EKF with C&I-PSO. <b>2018</b> , 11, 2059		1
472	Cellular Artificial Bee Colony algorithm with Gaussian distribution. <b>2018</b> , 462, 374-401		18
471	A Model for Resource Constraint Project Scheduling Problem Using Quantum Inspired PSO. <b>2018</b> , 75-87		0
470	A dynamic allocation bare bones particle swarm optimization algorithm and its application. <b>2018</b> , 23, 353-358		6
469	Global genetic learning particle swarm optimization with diversity enhancement by ring topology. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 44, 571-583	9.8	49
468	Artificial Bee Colony Algorithm Based on Novel Mechanism for Fuzzy Portfolio Selection. <b>2019</b> , 27, 966-978		22

467	A Comparative Study of Transfer Functions in Binary Evolutionary Algorithms for Single Objective Optimization. <b>2019</b> , 27-35		0
466	Adaptive particle swarm optimization with population diversity control and its application in tandem blade optimization. <b>2019</b> , 233, 1859-1875		8
465	Inherited Competitive Swarm Optimizer for Large-Scale Optimization Problems. <b>2019</b> , 85-95		3
464	A PSO based approach: Scout particle swarm algorithm for continuous global optimization problems. <b>2019</b> , 6, 129-142		17
463	Modified particle swarm optimization for multimodal functions and its application. <i>Multimedia Tools and Applications</i> , <b>2019</b> , 78, 23917-23947	2.5	7
462	Particle Swarm Optimization Using Neighborhood-Based Mutation Operator and Intermediate Disturbance Strategy for Outbound Container Storage Location Assignment Problem. <b>2019</b> , 2019, 1-13		3
461	Dynamic Multi-swarm Global Particle Swarm Optimization. <b>2019</b> ,		1
460	A Discrete Improved Artificial Bee Colony Algorithm for 0-1 Knapsack Problem. <b>2019</b> , 7, 104982-104991		12
459	On the selection of the optimal topology for particle swarm optimization. <b>2019</b> ,		1
458	Niching Particle Swarm Optimizer with Entropy-Based Exploration Strategy for Global Optimization. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 118-127	0.9	2
457	Individualism of particles in particle swarm optimization. <b>2019</b> , 83, 105619		4
456	Self-adapting control parameters in particle swarm optimization. <b>2019</b> , 83, 105653		34
455	Terminal crossover and steering-based particle swarm optimization algorithm with disturbance. <b>2019</b> , 85, 105841		12
454	Effective hybrid approach for protein structure prediction in a two-dimensional Hydrophobic-Polar model. <b>2019</b> , 113, 103397		0
453	. <b>2019</b> , 7, 137147-137162		6
452	A Novel Clustering Algorithm Based on Fully-Informed Particle Swarm. <b>2019</b> ,		3
451	Clustering and Ranking Based Methods for Selecting Tuned Search Heuristic Parameters. <b>2019</b> ,		0
450	A high-efficiency adaptive artificial bee colony algorithm using two strategies for continuous optimization. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 50, 100549	9.8	21

449	Chaotic particle swarm optimization with sigmoid-based acceleration coefficients for numerical function optimization. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 51, 100573	9.8	35
448	DMP SO: Diversity-Guided Multi-Mutation Particle Swarm Optimizer. <b>2019</b> , 7, 124008-124025		13
447	Newton's second law based PSO for feature selection: Newtonian PSO. <b>2019</b> , 37, 4923-4935		3
446	A hierarchical simple particle swarm optimization with mean dimensional information. <b>2019</b> , 76, 712-725		19
445	. <b>2019</b> , 6, 1095-1105		11
444	A New Hybrid Particle Swarm Optimization and Evolutionary Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 432-444	0.9	2
443	Heterogeneous pigeon-inspired optimization. <b>2019</b> , 62, 1		2
442	An Improved Electromagnetic Field Optimization for the Global Optimization Problems. <b>2019</b> , 2019, 6759106		3
441	Retail store location and pricing within a competitive environment using constrained multinomial logit. <b>2019</b> , 75, 521-534		15
440	SPBSO: self-adaptive brain storm optimization algorithm with pbest guided step-size. <b>2019</b> , 36, 5423-5434		9
439	A new solution to the non-convex economic load dispatch problems using phasor particle swarm optimization. <b>2019</b> , 79, 111-124		52
438	Mobile phone GPS data in urban bicycle-sharing: Layout optimization and emissions reduction analysis. <b>2019</b> , 242, 138-147		35
437	A Hierarchical Sorting Swarm Optimizer for Large-Scale Optimization. <b>2019</b> , 7, 40625-40635		12
436	Diversity enhanced particle swarm optimization algorithm and its application in vehicle lightweight design. <b>2019</b> , 33, 695-709		12
435	A modified particle swarm optimization algorithm for scheduling renewable generation in a micro-grid under load uncertainty. <b>2019</b> , 78, 496-514		42
434	A hierarchical gravitational search algorithm with an effective gravitational constant. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 46, 118-139	9.8	49
433	Building energy optimization: An extensive benchmark of global search algorithms. <b>2019</b> , 187, 218-240		38
432	Adaptive comprehensive learning particle swarm optimization with cooperative archive. <b>2019</b> , 77, 533-546		23

431	PSOG: Enhanced particle swarm optimization by a unit vector of first and second order gradient directions. <i>Swarm and Evolutionary Computation</i> , <b>2019</b> , 46, 28-51	9.8	15
430	Multi-Leader Comprehensive Learning Particle Swarm Optimization with Adaptive Mutation for Economic Load Dispatch Problems. <b>2019</b> , 12, 116		11
429	Reliability Optimization Allocation Method Based on Improved Dynamic Particle Swarm Optimization. <b>2019</b> ,		
428	Accurate Parameter Estimation of a Hydro-Turbine Regulation System Using Adaptive Fuzzy Particle Swarm Optimization. <b>2019</b> , 12, 3903		9
427	Dynamic Multi-Swarm Particle Swarm Optimization Based on Elite Learning. <b>2019</b> , 7, 184849-184865		9
426	Attribute Reduction Based on Multi-objective Decomposition-Ensemble Optimizer with Rough Set and Entropy. <b>2019</b> ,		0
425	Parameter Estimation of Thermal Model of a Building: A Meta-Heuristic Approach. <b>2019</b> ,		0
424	An optimized Enhanced Vegetation Index for Sparse Tree Cover Mapping across a Mountainous Region. <b>2019</b> ,		0
423	Mother Tree Optimization. <b>2019</b> ,		2
422	A Novel Particle Swarm Optimization with Improved Learning Strategies and Its Application to Vehicle Path Planning. <b>2019</b> , 2019, 1-16		1
421	A new hybrid topology optimization method based on I-PR-PSO and ESO. Application to continuum structural mechanics. <b>2019</b> , 212, 311-326		11
420	Impact of Communication Topology in Particle Swarm Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , <b>2019</b> , 23, 689-702	15.6	38
419	Layout optimization of large-scale oil/gas gathering system based on combined optimization strategy. <b>2019</b> , 332, 159-183		123
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