List of Publications by Year
in descending order

50 papers	162 citations	2257263 3 h-index	1872312 6 g-index
52 all docs	52 docs citations	52 times ranked	66 citing authors

#	Article	IF	Citations
1	A relationship between network topology and search performance of PSO. , 2012, , .		24
2	Chaotic artificial neural system and its controlâ€. International Journal of Electronics, 1995, 79, 797-806.	0.9	10
3	Analysis of dynamical characteristic of canonical deterministic PSO. , 2010, , .		10
4	The neighborhood of canonical deterministic PSO. , 2011, , .		9
5	Analysis of dynamics characteristic of deterministic PSO. Nonlinear Theory and Its Applications IEICE, 2013, 4, 451-461.	0.4	9
6	An improved rotationally invariant PSO: A modified standard PSO-2011. , 2016, , .		9
7	Obtaining an ideal associative memory by means of a simple hysteresis network. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq1 1 0.784 3.14 rgBT /Overloc		7
8	PSO-based multiple optima search systems with switched topology. , 2012, , .		7
9	Analysis of convergence property of PSO and its application to nonlinear blind source separation. , 2013, , .		7
10	A novel particle swarm optimization algorithm for non-separable and ill-conditioned problems. , 2016, , .		7
11	Design procedure of single phase PWM DC-AC inverter by divided optimization algorithm. , 2013, , .		6
12	L&#x00E9;vy flight PSO. , 2015, , .		6
13	Particle swarm optimization with switched topology and deterministic parameters. , 2012, , .		5
14	Canonical deterministic particle swarm optimization to sustain global search. , 2014, , .		4
15	Analysis of the dynamic characteristics of firefly algorithm. , 2015, , .		4
16	Analysis and synthesis of continuousâ€time hysteretic neural networks. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		3
17	Switching angles optimization of single phase PWM DC-AC inverter by particle swarm optimizations. , 2012, , .		3
18	A Novel Deterministic Multi-agent Solving Method. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	Analysis of particle swarm optimization by dynamical systems theory. Nonlinear Theory and Its Applications IEICE, 2021, 12, 118-132.	0.4	3
20	Improvement in Solution Search Performance of Deterministic PSO Using a Golden Angle. Journal of Signal Processing, 2012, 16, 299-302.	0.2	3
21	Growing Particle Swarm Optimizers for Multi-Objective Problems in Design of DC-AC Inverters. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 430-433.	0.2	2
22	Particle swarm optimization for single phase PWM inverters. , 2011, , .		2
23	Common noise-induced synchronization of relaxation oscillators.**The authors would like to thank Mr. S. Ogawa and AGS Corp. for their kind encouragements on this research. The research of Y.S. is supported by Grant-in-Aid for Research Activity Start-up (No. 26880020) from JSPS. The research of K. F. was supported by Grant- in-Aid for Young Scientists (B) (No 24700221) from MEXT of Japan. The research of T. I. was partially supported by Grant-in-Aid for Exploratory Research (No. 24650116) from JSPS.. IFAC-PapersOnLine, 2015, 48, 233-238.	0.5	2
24	An Effective Construction Algorithm for the Steiner Tree Problem Based on Edge Betweenness. Journal of Signal Processing, 2016, 20, 145-148.	0.2	2
25	Nonlinear Map Optimization. , 2018, , .		2
26	Multicast Transmission Access Control Methods for Various Wireless LAN Applications. IEICE Transactions on Communications, 2014, E97.B, 2534-2542.	0.4	2
27	Japanese fingerspelling identification by using MediaPipe. Nonlinear Theory and Its Applications IEICE, 2022, 13, 288-293.	0.4	2
28	A multi-hysteresis VCCS and its application to multi-scroll chaotic oscillators. , 2009, , .		1
29	Particle swarm optimization for matrix converter of switching pattern design. , 2016, , .		1
30	Analysis of the Dynamical Characteristics of the Firefly Algorithm. International Journal of Swarm Intelligence Research, 2017, 8, 18-33.	0.5	1
31	Synchronization induced by common colored noise on electric circuits. IEICE Proceeding Series, 2014, 1, 348-351.	0.0	1
32	Automated Synthesis of Simple Nonlinear Analog Circuits by Means of Genetic Algorithm. Journal of Signal Processing, 2004, 8, 529-535.	0.2	1
33	Parameter Setting Procedure by using Golden Angle for Generation of Diversity. IEICE Proceeding Series, 2014, 1, 146-149.	0.0	1
34	Optimization of Switching-Phase of a Single-Phase PWM DC-AC Inverter. IEEJ Transactions on Electronics, Information and Systems, 2015, 135, 312-320.	0.1	1
35	Synchronization of Relaxation Oscillators Having Individual Difference by Non-Periodic Signal Injection. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 1188-1197.	0.2	1
36	Consideration of the output series generated by hysteresis reservoir computing. Nonlinear Theory and Its Applications IEICE, 2022, 13, 258-263.	0.4	1

#	Article	IF	Citations
37	Transmission Queuing Schemes for Improving Downlink Throughput on IEEE 802.11 WLANs. , 2011, , .		0
38	Development of low-frequency electrical therapy device with chaotic vibration and its performance analysis. Nonlinear Theory and Its Applications IEICE, 2012, 3, 621-628.	0.4	0
39	Harmonic elimination of three phase PWM DC-AC inverter using particle swarm optimization. Nonlinear Theory and Its Applications IEICE, 2015, 6, 512-519.	0.4	0
40	Optimization of Switching Phase of a Single‐Phase PWM dc–ac Inverter. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2016, 195, 16-25.	0.2	0
41	Search Property of Nonlinear Map Optimization. , 2019, , .		0
42	A Nonlinear Blind Source Separation System Using Particle Swarm Optimization Algorithm. Journal of Signal Processing, 2013, 17, 255-264.	0.2	0
43	The Fundamental Characteristic of Hysteresis-Divided Optimization. IEICE Proceeding Series, 2014, 1, 162-165.	0.0	0
44	Performance of Nonlinear BSS by PSO structure. IEICE Proceeding Series, 2014, 2, 244-247.	0.0	0
45	PSO with a Pseudo Gradient. IEICE Proceeding Series, 2014, 2, 205-208.	0.0	0
46	May NOLTA Society be with you. Ieice Ess Fundamentals Review, 2018, 12, 5-6.	0.1	0
47	Special issue on evolutionary computation. Nonlinear Theory and Its Applications IEICE, 2019, 10, 279-279.	0.4	0
48	Experimental evaluation of the effect of phoneme time stretching on speaker embedding. Nonlinear Theory and Its Applications IEICE, 2022, 13, 277-281.	0.4	0
49	A novel evaluation criteria to estimate label. Nonlinear Theory and Its Applications IEICE, 2022, 13, 252-257.	0.4	0
50	Relationship between the number of elements in constraint satisfaction problems and the computation time of HNN. Nonlinear Theory and Its Applications IEICE, 2022, 13, 282-287.	0.4	0