

# Yoshifumi Nishio

## List of Publications by Year in descending order

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242  
papers

857  
citations

932766

10  
h-index

887659

17  
g-index

242  
all docs

242  
docs citations

242  
times ranked

472  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Secret Key Cryptosystem by Iterating a Chaotic Map. , 1991, , 127-140.		155
2	An efficient algorithm for finding multiple DC solutions based on the SPICE-oriented Newton homotopy method. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2002, 21, 337-348.	1.9	62
3	Spatio-temporal chaos in simple coupled chaotic circuits. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1995, 42, 678-686.	0.1	39
4	Quasi-synchronization phenomena in chaotic circuits coupled by one resistor. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1996, 43, 491-496.	0.1	29
5	Rigorous analyses of windows in a symmetric circuit. IEEE Transactions on Circuits and Systems, 1990, 37, 473-487.	0.9	26
6	Synchronization phenomena in RC oscillators coupled by one resistor. , 0, , .		18
7	SYNCHRONIZATION PHENOMENA IN VAN DER POL OSCILLATORS COUPLED BY A TIME-VARYING RESISTOR. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 3565-3569.	0.7	18
8	Chaos glial network connected to Multi-Layer Perceptron for Solving Two-Spiral Problem. , 2010, , .		16
9	SIMPLE CHAOTIC CIRCUIT USING CMOS RING OSCILLATORS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2004, 14, 2513-2524.	0.7	15
10	Network-Structured Particle Swarm Optimizer with Various Topology and Its Behaviors. Lecture Notes in Computer Science, 2009, , 163-171.	1.0	14
11	Chaos via torus breakdown from a four-dimensional autonomous oscillator with two diodes. Physica D: Nonlinear Phenomena, 2011, 240, 903-912.	1.3	13
12	Implementation of an improved cellular neural network algorithm for brain tumor detection. , 2012, , .		13
13	Synchronization in Several Types of Coupled Polygonal Oscillatory Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 1042-1050.	3.5	13
14	Mutually coupled oscillators with an extremely large number of steady states. , 0, , .		12
15	Performance and features of Multi-Layer Perceptron with impulse glial network. , 2011, , .		12
16	Analysis of Chua's circuit with transmission line. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1997, 44, 556-558.	0.1	11
17	Preliminary study of pneumonia symptoms detection method using Cellular Neural Network. , 2011, , .		11
18	Multi-Layer Perceptron with positive and negative pulse glial chain for solving two-spirals problem. , 2012, , .		11

#	ARTICLE	IF	CITATIONS
19	Analysis of communication circuits based on multidimensional Fourier transformation. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 1999, 18, 1165-1177.	1.9	10
20	Fuzzy Adaptive Resonance Theory Combining Overlapped Category in consideration of connections. , 2008, , .		10
21	COMPLEX PATTERN IN A RING OF VAN DER POL OSCILLATORS COUPLED BY TIME-VARYING RESISTORS. Journal of Circuits, Systems and Computers, 2010, 19, 819-834.	1.0	10
22	An efficient algorithm for finding multiple DC solutions based on Spice oriented Newton homotopy method. , 0, , .		9
23	A reduction technique of large-scale RCG interconnects in the complex frequency domain. International Journal of Circuit Theory and Applications, 2004, 32, 471-486.	1.3	9
24	Periodic Pattern Formation and Its Applications in Cellular Neural Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 2736-2742.	3.5	8
25	Batch-Learning Self-Organizing Map with Weighted Connections avoiding false-neighbor effects. , 2010, , .		8
26	Expression transfer for facial sketch animation. Signal Processing, 2011, 91, 2465-2477.	2.1	8
27	Noncoherent Correlation-Based Communication Systems Choosing Different Chaotic Maps. , 2007, , .		7
28	Network-Structured Particle Swarm Optimizer That Considers Neighborhood Distances and Behaviors. Journal of Signal Processing, 2014, 18, 291-302.	0.2	7
29	Synchronization phenomena in many oscillators coupled by resistors as a ring. , 0, , .		6
30	Frequency response of nonlinear networks using curve tracing algorithm. , 0, , .		6
31	Multimode Oscillations in Coupled Oscillators With High-Order Nonlinear Characteristics. IEEE Transactions on Circuits and Systems I: Regular Papers, 2014, 61, 2653-2662.	3.5	6
32	Synchronization of Chaotic Circuits with Stochastically-Coupled Network Topology. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150015.	0.7	6
33	Cellular neural network with dynamic template and its output characteristics. , 2009, , .		5
34	Error-correcting scheme based on chaotic dynamics and its performance for noncoherent chaos communications. Nonlinear Theory and Its Applications IEICE, 2010, 1, 196-206.	0.4	5
35	Investigation of Multi-Layer Perceptron with propagation of glial pulse to two directions. , 2012, , .		5
36	Envelope analysis of nonlinear electronic circuits based on harmonic balance method. International Journal of Circuit Theory and Applications, 2012, 40, 247-262.	1.3	5

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37	Competing Behavior of Two Kinds of Self-Organizing Maps and Its Application to Clustering. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2007, E90-A, 865-871.	0.2	5
38	Self-Organizing Map with False-Neighbor Degree between Neurons for Effective Self-Organization. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2008, E91-A, 1463-1469.	0.2	5
39	A new curve fitting technique for analysis of frequency-dependent lossy transmission lines. , 0, , .		4
40	A design method of chaotic circuits using an oscillator and a resonator. , 0, , .		4
41	CHARACTERISTIC OF MUTUALLY COUPLED TWO-LAYER CNN AND ITS STABILITY. Journal of Circuits, Systems and Computers, 2003, 12, 473-490.	1.0	4
42	Competing and Accommodating Behaviors of Peace SOM. , 0, , .		4
43	Performance of Chaotic Switching Noise Injected to Hopfield NN for Quadratic Assignment Problem. , 0, , .		4
44	Asymptotic analysis of nonlinear electronic circuits. , 2008, , .		4
45	Synchronization patterns generated in a ring of cross-coupled chaotic circuits. , 2008, , .		4
46	MARKOV CHAIN MODELING AND ANALYSIS OF COMPLICATED PHENOMENA IN COUPLED CHAOTIC OSCILLATORS. Journal of Circuits, Systems and Computers, 2010, 19, 801-818.	1.0	4
47	Effect of chaos noise on the learning ability of back propagation algorithm in feed forward neural network. , 2010, , .		4
48	Image processing application using CNN with dynamic template. , 2010, , .		4
49	Multi-Layer Perceptron with Glial Network for Solving Two-Spiral Problem. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2011, E94-A, 1864-1867.	0.2	4
50	Clustering phenomena in complex networks of chaotic circuits. , 2012, , .		4
51	Multi-Layer Perceptron including glial pulse and switching between learning and non-learning. , 2013, , .		4
52	Spatial Signature Estimation with an Uncalibrated Uniform Linear Array. Sensors, 2015, 15, 13899-13915.	2.1	4
53	Chaos in a four-dimensional autonomous circuit with two diodes. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai) Tj ETQq1 1 0.7843 141rgBT /Overlock 10		4
54	Chaotic phenomena in nonlinear circuits with time-varying resistors. , 0, , .		3

#	ARTICLE	IF	CITATIONS
55	Stability of characteristic curves of nonlinear resistive circuits. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1998, 45, 634-643.	0.1	3
56	Solving ability of Hopfield neural network with chaotic noise and burst noise for quadratic assignment problem. , 0, , .		3
57	Templates and algorithms for two-layer cellular neural networks. , 0, , .		3
58	Clustering in globally coupled system of chaotic circuits. , 0, , .		3
59	Image processing using periodic pattern formation in cellular neural networks. , 0, , .		3
60	Switching Phase States of Chaotic Circuits Coupled by Time-Varying Resistor. , 2007, , .		3
61	Investigation of state transition phenomena in cross-coupled chaotic circuits. , 2008, , .		3
62	Example-based performance driven facial shape animation. , 2009, , .		3
63	No redundant error-correcting scheme using Chaotic Dynamics for Noncoherent Chaos communications. , 2009, , .		3
64	Network-Structured Particle Swarm Optimizer considering neighborhood relationships. , 2009, , .		3
65	Self-Organizing Map with Weighted Connections avoiding false-neighbor effects. , 2010, , .		3
66	Leaning theory of Cellular Neural Networks based on covariance structural analysis. , 2010, , .		3
67	Analysis of synchronization phenomenon in coupled oscillator chains. , 2012, , .		3
68	Chaos propagation in a ring of coupled circuits generating chaotic and three-periodic attractors. , 2012, , .		3
69	Investigation of Multi-Layer Perceptron with pulse glial chain based on individual inactivity period. , 2014, , .		3
70	A novel optimization design approach for Contourlet directional filter banks. IEICE Electronics Express, 2014, 11, 20140556-20140556.	0.3	3
71	Multi-Layer Perceptron with Pulse Glial Chain. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2016, E99.A, 742-755.	0.2	3
72	A novel image fusion algorithm using an NSCT and a PCNN with digital filtering. International Journal of Image and Data Fusion, 2018, 9, 82-94.	0.8	3

#	ARTICLE	IF	CITATIONS
73	The effect of message-class dependent threshold-type scheduling on the delay for the M/M/n queue. , 0, , .		2
74	Design of noise generator using chaotic circuit. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai Ronbunshi), 1995, 78, 22-30.	0.1	2
75	On the influence of transmission line on communication system using chaos synchronization. , 0, , .		2
76	Analysis of modulator circuits based on multi-dimensional Fourier transformation. , 0, , .		2
77	Analysis of chaotic wandering of phase patterns in a two-dimensional coupled chaotic circuits network. , 0, , .		2
78	A Design Method for Chaotic Circuits Using Two Oscillators. World Scientific Series on Nonlinear Science, Series B, 2002, , 51-69.	0.2	2
79	Distortion analysis of nonlinear networks based on SPICE-oriented harmonic balance method. , 0, , .		2
80	Back Propagation Learning of Neural Networks with Chaotically-Selected Affordable Neurons. , 0, , .		2
81	Complex Phase Synchronization in an Array of Oscillators Coupled by Time-Varying Resistor. , 2006, , .		2
82	Behavior of Fatigable SOM and its Application to Clustering. , 2006, , .		2
83	Effective Search with Hopping Chaos for Hopfield Neural Networks Solving QAP. , 2007, , .		2
84	Self-Organizing Map Considering False Neighboring Neuron. , 2007, , .		2
85	Solving ability of Hopfield Neural Network with scale-rule noise for QAP. , 2008, , .		2
86	Batch-Learning Self-Organizing Map with false-neighbor degree between neurons. , 2008, , .		2
87	Synchronization of small oscillations in cross-coupled chaotic circuits. , 2009, , .		2
88	Community self-organizing map and its application to data extraction. , 2009, , .		2
89	Investigation of recall image by Partitioned Hopfield Neural Network. , 2011, , .		2
90	Interactive Facial-Geometric-Feature Animation for Generating Expressions of Novel Faces. IEICE Transactions on Information and Systems, 2011, E94-D, 1099-1108.	0.4	2

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91	Cellular Neural Networks with switching two types of templates. , 2011, , .		2
92	Improvement of learning performance of multi-layer perceptron by two different pulse glial networks. , 2012, , .		2
93	Clustering phenomena considering the density of coupled chaotic circuits networks. , 2012, , .		2
94	Frustrated synchronization in two coupled polygonal oscillatory networks. , 2013, , .		2
95	Genetic Algorithm with virus infection for finding approximate solution. , 2013, , .		2
96	&lt;l&gt;M&lt;l&gt;-ary modulation scheme based on separation of deterministic chaotic dynamics for noncoherent chaos-based communications. Nonlinear Theory and Its Applications IEICE, 2014, 5, 210-221.	0.4	2
97	Synchronization and clustering in coupled parametrically excited oscillators with small mismatch. , 2015, , .		2
98	Image processing by cellular neural networks with switching two templates. , 2017, , .		2
99	Synchronization Phenomena of Chaotic Circuit Networks with Distributed Hub Including Positive and Negative Coupling. , 2018, , .		2
100	Clustering Using Chaotic Circuit Networks with Weighted Couplings. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2019, 29, 1950053.	0.7	2
101	Amplitude Death in Strongly Coupled Polygonal Oscillatory Networks with Sharing Branch. IEEE Transactions on Network Science and Engineering, 2019, 6, 188-197.	4.1	2
102	Spice-Oriented Frequency-Domain Analysis of Nonlinear Electronic Circuits. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2007, E90-A, 406-410.	0.2	2
103	Search of Many Good Solutions of QAP by Connected Hopfield NNs with Intermittency Chaos Noise. Journal of Signal Processing, 2004, 8, 439-447.	0.2	2
104	Durability of Affordable Neural Networks against Damaging Neurons. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2009, E92-A, 585-593.	0.2	2
105	Dependence of Clustering Patterns on Density of Chaotic Circuits in Networks. Journal of Signal Processing, 2013, 17, 103-106.	0.2	2
106	Multi-Layer Perceptron Decided Learning Neurons by Regular Output Glia. IEICE Proceeding Series, 2014, 1, 719-722.	0.0	2
107	A reduction technique of large scale RCG interconnects in complex frequency domain. , 0, , .		1
108	Extremely simple hyperchaos generators including one diode. , 0, , .		1

#	ARTICLE	IF	CITATIONS
109	Chaotic phenomena in an autonomous circuit with a nonlinear negative inductor. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq1 1 0.784314 rgBT fOverloc		
110	Analysis of non-linear transmission lines by frequency domain perturbation method. International Journal of Circuit Theory and Applications, 1997, 25, 95-105.	1.3	1
111	BER performance of a chaos communication system including modulation-demodulation circuits. , 0, , .		1
112	Construction of effective noise for TSP. , 0, , .		1
113	Bifurcation and complex phenomena in chaotic systems coupled by transmission line. , 0, , .		1
114	Response of coupled chaotic circuits to sinusoidal input signal. , 0, , .		1
115	Analysis of phase-waves in coupled oscillators as a ladder. , 0, , .		1
116	Relations between spatio-temporal phenomena and eigenvalues in mutually coupled CNNs. , 0, , .		1
117	Modeling using 1-D map of complex behavior in coupled chaotic circuits with intermittency. , 0, , .		1
118	Reversible watermarking technique using small-world cellular neural network. , 0, , .		1
119	Tentacled Self-Organizing Map for Effective Data Extraction. , 2006, , .		1
120	A new Spice-oriented frequency-domain optimization technique. , 0, , .		1
121	Durability of Affordable Neural Networks against Damages. , 2006, , .		1
122	Fast Timing Analysis of Plane Circuits via Two-Layer CNN-based Modeling. , 0, , .		1
123	Interactive facial sketch expression generation using local constraints. , 2009, , .		1
124	Globally coupled parametrically forced logistic maps. , 2009, , .		1
125	Applications of color image processing using three-layer cellular neural network considering HSB model. , 2009, , .		1
126	Performance evaluation of error-correcting scheme without redundancy code for noncoherent chaos communications. , 2010, , .		1



#	ARTICLE	IF	CITATIONS
127	Rotation of phase difference in four coupled oscillators as a regular tetrahedron form. , 2011, , .		1
128	Four-layer cellular neural networks in consideration of color and luminosity. , 2011, , .		1
129	Synchronizing coupled oscillators in polygonal networks with frustration. , 2011, , .		1
130	Performance of quadratic assignment problem by hopfield NN with periodic brake. , 2012, , .		1
131	Motion picture processing by two-layer cellular neural networks with switching templates. , 2013, , .		1
132	Clustering phenomena in coupled chaotic circuits with different coupling strength. , 2013, , .		1
133	Real polynomial form of music for uniform linear array. , 2013, , .		1
134	TWO-DIMENSIONAL COUPLED PARAMETRICALLY FORCED MAP. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1350031.	0.7	1
135	Effectiveness of artificial neural network with time-varying coupling system. , 2014, , .		1
136	Chaos propagation in coupled chaotic circuits with multi-ring combination. , 2016, , .		1
137	Spread of chaotic behavior in scale-free and random networks. , 2017, , .		1
138	Synchronization in dynamical oscillatory networks with non-uniform coupling distributions. , 2017, , .		1
139	Competitive networks using chaotic circuits with hierarchical structure. Chaos, 2019, 29, 083115.	1.0	1
140	Synchronization in Ladder-Coupled Chaotic Circuits Including Ring Structures. , 2019, , .		1
141	Clusteling Methods Using Synchronization of Chaotic Circuit Networks. , 2019, , .		1
142	Phase-Inversion Waves Propagating in an In-Phase Synchronization on Oscillators Coupled as a Cross. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4807-4816.	3.5	1
143	Investigation of Influences of Neurogenesis in Multi-Layer Perceptron. IEICE Proceeding Series, 2014, 2, 382-385.	0.0	1
144	Sensitivity Analysis and Optimization Algorithm --- Based on Nonlinear Programming ---. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2008, E91-A, 2426-2434.	0.2	1

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145	Multimode Phenomena in Hard Oscillators Coupled by a Time-Varying Resistor. IEICE Proceeding Series, 2014, 1, 911-914.	0.0	1
146	Analysis of Phase-Inversion Waves in In-and-Anti-Phase Synchronization on Coupled Van der Pol Oscillators as a 2D Lattice by Using an Actual Circuit. IEICE Proceeding Series, 2014, 2, 463-466.	0.0	1
147	Investigation of Optimal Ratio of Males to Females in Firefly Algorithm. Journal of Signal Processing, 2016, 20, 153-156.	0.2	1
148	Collisions between two phase-inversion-waves in an array of oscillators. , 0, , .		1
149	Reflection and transmission of phase-inversion-waves in oscillators coupled by two kinds of inductors. , 0, , .		1
150	Analysis of Synchronization Phenomena in Complex Networks Consisting of van der Pol Oscillators. , 2020, , .		1
151	Nonlinear Time Series Analysis of Spike Data of Izhikevich Neuron Model. , 2020, , .		1
152	Investigation of phase-wave propagation phenomena in second order CNN arrays. , 0, , .		0
153	Analysis of Chua's circuit with transmission line. , 0, , .		0
154	Movement of small amplitude parts in a coupled chaotic system. , 0, , .		0
155	Chaotic phenomena in a switched capacitor phase-locked loop. , 0, , .		0
156	Spatiotemporal chaos in four chaotic circuits coupled by one resistor. , 0, , .		0
157	Characteristic curve of nonlinear resistive circuits. , 0, , .		0
158	Analysis of nonlinear traveling waves by frequency-domain perturbation method. , 0, , .		0
159	Breakdown of in-phase synchronization of two chaotic circuits coupled by an inductor. , 0, , .		0
160	Control of phase states in ring oscillators sharing inductors. , 0, , .		0
161	Analysis of two dimensional circuits based on multi-conductor theorem. , 0, , .		0
162	Intermodulation analysis of mixer circuits based on frequency domain relaxation method. , 0, , .		0

#	ARTICLE	IF	CITATIONS
163	A method for analysis of transmission line networks using frequency response approximation. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English) Tj ETQq1 1 0.784314 0.0 BT / Overclock 10 T 5	0.784314	0
164	Windows in a non-autonomous circuit with symmetry. , 0, , .		0
165	Chaotic Wandering in Simple Coupled Chaotic Circuits. World Scientific Series on Nonlinear Science, Series B, 2002, , 71-90.	0.2	0
166	Associative memory by Hopfield NN with chaos injection. , 0, , .		0
167	Periodic windows in a nonautonomous circuit with a symmetry. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi Tsushin Gakkai) Tj ETQq1 1 0.784314 0.0 BT / Overclock 10 T 5	0.784314	0
168	Spatial-temporal Analysis Method of Plane Circuits Based on Two-Layer Cellular Neural Networks. Lecture Notes in Computer Science, 2006, , 195-204.	1.0	0
169	Complex Phase Synchronization in an Array of Oscillators Coupled by Time-Varying Resistor. , 0, , .		0
170	Durability of Affordable Neural Networks against Damages. , 0, , .		0
171	Behavior of Fatigable SOM and its Application to Clustering. , 0, , .		0
172	Tentacled Self-Organizing Map for Effective Data Extraction. , 0, , .		0
173	Clustering phenomenon of chaotic circuits coupled symmetrically by mutual inductors. , 2007, , .		0
174	Scale-rule selection of affordable neural network for chaotic time series learning. , 2007, , .		0
175	Breakdown of synchronization in chaotic oscillators and noisy oscillators. , 2007, , .		0
176	Nonlinear Spring Model of Self-Organizing Map and its Chaotic Behavior. , 2007, , .		0
177	Spice-Oriented Intermodulation Analysis Combining with MATLAB. , 2007, , .		0
178	Wave propagation in oscillators coupled by time-varying resistor with timing mismatch. , 2008, , .		0
179	SOM with False-Neighbor degree and its behaviors. , 2008, , .		0
180	Lazy Self-Organizing Map and its behaviors. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
181	Output characteristics of cellular neural networks using mixture template. , 2008, , .		0
182	Noise-induced breakdown of stochastic resonant behavior of van der Pol oscillators coupled by time-varying resistor. , 2009, , .		0
183	Propagation mechanism of phase-inversion wave in 2D lattice oscillators and their application to prediction of time-series data. , 2009, , .		0
184	Space-varying cellular neural networks designed by Hopfield neural network. , 2010, , .		0
185	Synchronization phenomena in coupled logistic maps involving parametric force. , 2010, , .		0
186	Learning process of Affordable Neural Network for backpropagation algorithm. , 2010, , .		0
187	CNN template design using back propagation algorithm. , 2010, , .		0
188	Ant Colony Optimization Changing the Rate of Dull Ants and its application to QAP. , 2011, , .		0
189	Effectiveness of guidepost pheromone for Honeybee Colony Optimization. , 2011, , .		0
190	Synchronization and frustration in coupled large-scale polygonal oscillatory networks. , 2011, , .		0
191	Spice-oriented algorithm for analysis of coupled oscillators. , 2011, , .		0
192	Bifurcation and basin in two coupled parametrically forced logistic maps. , 2011, , .		0
193	Investigation of synchronization for social network with local bridge via coupled Rulkov maps. , 2012, , .		0
194	A method for spatial signature estimation with uncalibrated uniform linear array. , 2012, , .		0
195	Cellular neural networks with effect from friend having most different values and its friends. , 2012, , .		0
196	COMPLEX BEHAVIOR IN COUPLED CHAOTIC CIRCUITS RELATED BY INTERMITTENCY AND ITS MODELING METHODS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1230037.	0.7	0
197	Double-mode oscillation in chaotic circuits coupled by a time-varying resistor. , 2012, , .		0
198	Image processing by three-layer cellular neural networks with a new layer arrangement. , 2013, , .		0

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199	Investigation of four-layer multi-layer perceptron with glia connections of hidden-layer neurons. , 2013, , .		0
200	Clustering and synchronous firing of coupled Rulkov maps with STDP for modeling epilepsy. , 2014, , .		0
201	Oscillation death and amplitude change in coupled van der pol oscillators with strong frustrations. , 2014, , .		0
202	N-phase synchronization of asymmetric attractors in a ring of coupled chaotic circuits. , 2014, , .		0
203	Multi-layer perceptron with pulse glial chain having oscillatory excitation threshold. , 2015, , .		0
204	Synchronization State of Chaotic Circuit Containing Time Delay in One Direction. Journal of Signal Processing, 2016, 20, 125-128.	0.2	0
205	Firefly algorithm existing leader fireflies. , 2016, , .		0
206	Switching synchronization states of a ring of coupled chaotic circuits with one-direction delay effects. , 2016, , .		0
207	Synchronization in complex networks by coupled parametrically excited oscillators with parameter mismatch. , 2016, , .		0
208	Synchronization phenomena in star-coupled van der pol oscillators by adding different frequency oscillators. , 2016, , .		0
209	Frustrated coupled oscillators with anomalous coupling method. , 2017, , .		0
210	Chaotic circuits network with scale-free coupling distribution. , 2017, , .		0
211	Synchronization in Two Rings of Three Coupled van der Pol Oscillators. Journal of Signal Processing, 2017, 21, 121-124.	0.2	0
212	Producing Complex Networks Using Coupled Oscillatory Circuits with Evolutionary Connections. , 2018, , .		0
213	Analysis of Chaotic Circuit Networks with One-Way Coupling. , 2018, , .		0
214	Design of Two Template Cellular Neural Networks for Color Image Processing. , 2018, , .		0
215	Design of Convolutional Neural Network for Classifying Depth Prediction Images from Overhead. , 2018, , .		0
216	Oscillation Quenching in Coupled van der Pol Oscillators with Different Frequencies. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
217	Synchronization Phenomena of Coupled Chaotic Circuits Network with Coupling Strength Depending on Number of Degree. , 2018, , .		0
218	Guest Editorial Special Issue on the 2019 IEEE International Symposium on Circuits and Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2019, 66, 717-717.	2.2	0
219	Amplitude Death in Coupled Oscillatory Systems Inspired by Brain Networks with Different Frequency. , 2019, , .		0
220	Nonlinear Time Series Analysis of Coupled Bursting Neuron Model Depending on Coupling Strength. , 2019, , .		0
221	Visualization of Neuron Data using Nonlinear Technic. , 2019, , .		0
222	Effect of Stochastically Coupling on Frustrated Triangular Oscillatory Network. , 2021, , .		0
223	ANALYSIS OF WAVE-MOTION IN COUPLED OSCILLATORS BY SIMPLIFIED MODEL. , 2000, , .		0
224	Special Section on Selected Papers from the 18th Workshop on Circuits and Systems in Karuizawa. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2006, E89-A, 839-839.	0.2	0
225	Tentacled Self-Organizing Map for Effective Data Extraction. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2007, E90-A, 2085-2092.	0.2	0
226	Stochastic Analysis of Several Synchronization Phenomena on Coupled Chaotic Oscillators. Proceedings of the ISCIE International Symposium on Stochastic Systems Theory and Its Applications, 2009, 2009, 294-299.	0.1	0
227	Spice-Oriented Algorithm for Peak Search and Stability Assessment for Frequency Response. IEEJ Transactions on Electronics, Information and Systems, 2011, 131, 543-550.	0.1	0
228	Complex Patterns in a Chain of Coupled Maps Based on a Neuron Model with Space and Time-Varying Couplings. Springer Proceedings in Mathematics and Statistics, 2014, , 155-166.	0.1	0
229	Improvement of Error-Correcting Method Based on Chaotic Dynamics for Noncoherent Chaos Communications. IEICE Proceeding Series, 2014, 1, 801-804.	0.0	0
230	Amplitude Analysis of Frustrated Systems of Coupled Oscillators. IEICE Proceeding Series, 2014, 1, 848-851.	0.0	0
231	Network-Structured Firefly Algorithm and its Behavior. IEICE Proceeding Series, 2014, 2, 310-313.	0.0	0
232	Synchronization of Coupled Chaotic Circuits in Regular Tetrahedron Form. IEICE Proceeding Series, 2014, 1, 844-847.	0.0	0
233	Double-mode Chaos with Hard Nonlinearities Coupled with an Inductor. IEICE Proceeding Series, 2014, 2, 146-149.	0.0	0
234	Multi-Layer Perceptron with Local Glia Connection. IEICE Proceeding Series, 2014, 2, 390-393.	0.0	0

#	ARTICLE	IF	CITATIONS
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