

Alessandro E P Villa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4638000/publications.pdf>

Version: 2024-02-01

184
papers

4,476
citations

117625

34
h-index

123424

61
g-index

208
all docs

208
docs citations

208
times ranked

3382
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrophysiological Markers of Fairness and Selfishness Revealed by a Combination of Dictator and Ultimatum Games. <i>Frontiers in Systems Neuroscience</i> , 2022, 16, .	2.5	2
2	ERPs in Controls and ADHD Patients During Dual N-Back Task. <i>Advances in Cognitive Neurodynamics</i> , 2021, , 189-203.	0.1	0
3	Event-Related Potentials and Fast Optical Imaging of Cortical Activity During an Auditory Oddball Task. <i>Advances in Cognitive Neurodynamics</i> , 2021, , 155-175.	0.1	0
4	Initial Topology in Hierarchically Organized Evolvable Neural Networks Determines the Emergence of Synfire Chains. <i>Advances in Cognitive Neurodynamics</i> , 2021, , 247-247.	0.1	0
5	Causal Interactions Among Cortical Regions During Sleep Based on fNIRS Recordings. <i>Advances in Cognitive Neurodynamics</i> , 2021, , 273-274.	0.1	0
6	Unsupervised Analysis of EEG Signals Reveals Common Personality Traits During an Iterated Ultimatum Game. <i>Advances in Cognitive Neurodynamics</i> , 2021, , 275-276.	0.1	0
7	Operant conditioning deficits and modified local field potential activities in parvalbumin-deficient mice. <i>Scientific Reports</i> , 2021, 11, 2970.	3.3	4
8	Training Parameters with Dual N-Back Task Affect the Outcome of the Attentional Network Task in ADHD Patients. <i>Advances in Cognitive Neurodynamics</i> , 2021, , 281-282.	0.1	0
9	Fuzzy Clustering for Exploratory Analysis of EEG Event-Related Potentials. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 28-38.	9.8	10
10	Attention Networks in ADHD Adults after Working Memory Training with a Dual n-Back Task. <i>Brain Sciences</i> , 2020, 10, 715.	2.3	8
11	Early Attentional Modulation by Working Memory Training in Young Adult ADHD Patients during a Risky Decision-Making Task. <i>Brain Sciences</i> , 2020, 10, 38.	2.3	3
12	Complex temporal patterns processing by a neural mass model of a cortical column. <i>Cognitive Neurodynamics</i> , 2019, 13, 379-392.	4.0	9
13	A Memory-Based STDP Rule for Stable Attractor Dynamics in Boolean Recurrent Neural Networks. , 2019, , .		0
14	LSTM and 1-D Convolutional Neural Networks for Predictive Monitoring of the Anaerobic Digestion Process. <i>Lecture Notes in Computer Science</i> , 2019, , 725-736.	1.3	6
15	Response Adaptation in Barrel Cortical Neurons Facilitates Stimulus Detection during Rhythmic Whisker Stimulation in Anesthetized Mice. <i>ENeuro</i> , 2019, 6, ENEURO.0471-18.2019.	1.9	4
16	Granger Causality to Reveal Functional Connectivity in the Mouse Basal Ganglia-Thalamocortical Circuit. <i>Lecture Notes in Computer Science</i> , 2018, , 393-402.	1.3	0
17	Attractor dynamics of a Boolean model of a brain circuit controlled by multiple parameters. <i>Chaos</i> , 2018, 28, 106318.	2.5	12
18	ERFo: An Algorithm for Extracting a Range of Optimal Frequencies for Filtering Electrophysiological Recordings. <i>Advances in Cognitive Neurodynamics</i> , 2018, , 227-233.	0.1	0

#	ARTICLE	IF	CITATIONS
19	An ERP Study Reveals How Training with Dual N-Back Task Affects Risky Decision Making in a Gambling Task in ADHD Patients. <i>Advances in Cognitive Neurodynamics</i> , 2018, , 271-277.	0.1	3
20	Event-Related Potentials during a Gambling Task in Young Adults with Attention-Deficit/Hyperactivity Disorder. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 79.	2.0	9
21	An STDP Rule for the Improvement and Stabilization of the Attractor Dynamics of the Basal Ganglia-Thalamocortical Network. <i>Lecture Notes in Computer Science</i> , 2018, , 693-702.	1.3	1
22	Unsupervised Analysis of Event-Related Potentials (ERPs) During an Emotional Go/NoGo Task. <i>Lecture Notes in Computer Science</i> , 2017, , 151-161.	1.3	2
23	Consistency of heterogeneous synchronization patterns in complex weighted networks. <i>Chaos</i> , 2017, 27, 031102.	2.5	7
24	Weighted Clique Analysis Reveals Hierarchical Neuronal Network Dynamics. <i>Lecture Notes in Computer Science</i> , 2017, , 317-325.	1.3	0
25	Attractor-based complexity of a Boolean model of the basal ganglia-thalamocortical network. , 2016, , .		3
26	Attractor Dynamics Driven by Interactivity in Boolean Recurrent Neural Networks. <i>Lecture Notes in Computer Science</i> , 2016, , 115-122.	1.3	4
27	Artificial Neural Networks and Machine Learning – ICANN 2016. <i>Lecture Notes in Computer Science</i> , 2016, , .	1.3	7
28	Expressive power of first-order recurrent neural networks determined by their attractor dynamics. <i>Journal of Computer and System Sciences</i> , 2016, 82, 1232-1250.	1.2	12
29	The topology of the directed clique complex as a network invariant. <i>SpringerPlus</i> , 2016, 5, 388.	1.2	27
30	Theoretical Models of Decision-Making in the Ultimatum Game: Fairness vs. Reason. <i>Advances in Cognitive Neurodynamics</i> , 2016, , 185-191.	0.1	3
31	Synchronization-based computation through networks of coupled oscillators. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 97.	2.1	14
32	Mesoscopic Segregation of Excitation and Inhibition in a Brain Network Model. <i>PLoS Computational Biology</i> , 2015, 11, e1004007.	3.2	21
33	Computational capabilities of recurrent neural networks based on their attractor dynamics. , 2015, , .		5
34	Recurrent Neural Networks and Super-Turing Interactive Computation. <i>Springer Series in Bio-/neuroinformatics</i> , 2015, , 1-29.	0.1	5
35	Imperfect Decision Making and Risk Taking Are Affected by Personality. <i>Studies in Computational Intelligence</i> , 2015, , 145-184.	0.9	11
36	On Super-Turing Neural Computation. <i>Advances in Cognitive Neurodynamics</i> , 2015, , 307-312.	0.1	1

#	ARTICLE	IF	CITATIONS
37	Neural Dynamics Associated to Preferred Firing Sequences. <i>Advances in Cognitive Neurodynamics</i> , 2015, , 597-604.	0.1	0
38	An Attractor-Based Complexity Measurement for Boolean Recurrent Neural Networks. <i>PLoS ONE</i> , 2014, 9, e94204.	2.5	25
39	Artificial Neural Networks and Machine Learning â€œ ICANN 2014. <i>Lecture Notes in Computer Science</i> , 2014, , .	1.3	11
40	Cooperative behavior in a jump diffusion model for a simple network of spiking neurons. <i>Mathematical Biosciences and Engineering</i> , 2014, 11, 385-401.	1.9	19
41	Learning and memory phenomena in a complex sensory environment: a neuroheuristic approach. <i>IEICE Proceeding Series</i> , 2014, 1, 300-303.	0.0	0
42	Multilevel modeling platform and its application for modeling in neuroscience. <i>IEICE Proceeding Series</i> , 2014, 1, 296-299.	0.0	0
43	Graph analysis on simulate hierarchical complex networks dynamic structure. <i>IEICE Proceeding Series</i> , 2014, 1, 304-307.	0.0	0
44	Artificial Neural Networks and Machine Learning â€œ ICANN 2013. <i>Lecture Notes in Computer Science</i> , 2013, , .	1.3	8
45	Visual thalamocortical circuits in parvalbumin-deficient mice. <i>Brain Research</i> , 2013, 1536, 107-118.	2.2	10
46	The calcium-binding protein parvalbumin modulates the firing 1 properties of the reticular thalamic nucleus bursting neurons. <i>Journal of Neurophysiology</i> , 2013, 109, 2827-2841.	1.8	41
47	Effect of Emotion and Personality on Deviation from Purely Rational Decision-Making. <i>Studies in Computational Intelligence</i> , 2013, , 129-161.	0.9	14
48	The Super-Turing Computational Power of Interactive Evolving Recurrent Neural Networks. <i>Lecture Notes in Computer Science</i> , 2013, , 58-65.	1.3	11
49	Reciprocal projections in hierarchically organized evolvable neural circuits affect EEG-like signals. <i>Brain Research</i> , 2012, 1434, 266-276.	2.2	3
50	Dopamine deficiency increases synchronized activity in the rat subthalamic nucleus. <i>Brain Research</i> , 2012, 1434, 142-151.	2.2	26
51	Integration and transmission of distributed deterministic neural activity in feed-forward networks. <i>Brain Research</i> , 2012, 1434, 17-33.	2.2	16
52	The expressive power of analog recurrent neural networks on infinite input streams. <i>Theoretical Computer Science</i> , 2012, 436, 23-34.	0.9	30
53	An Effect of Short and Long Reciprocal Projections on Evolution of Hierarchical Neural Networks. <i>Lecture Notes in Computer Science</i> , 2012, , 371-378.	1.3	1
54	Spike Transmission on Diverging/Converging Neural Network and Its Implementation on a Multilevel Modeling Platform. <i>Lecture Notes in Computer Science</i> , 2012, , 272-279.	1.3	0

#	ARTICLE	IF	CITATIONS
55	Dynamical Systems and Accurate Temporal Information Transmission in Neural Networks. , 2011, , 61-65.		0
56	Distributed Deterministic Temporal Information Propagated by Feedforward Neural Networks. Lecture Notes in Computer Science, 2011, , 258-265.	1.3	0
57	Extending existing applications functionality through OpenAdap.net. , 2010, , .		0
58	Recurrent spatiotemporal firing patterns in large spiking neural networks with ontogenetic and epigenetic processes. Journal of Physiology (Paris), 2010, 104, 137-146.	2.1	16
59	Cross-frequency coupling in mesiotemporal EEG recordings of epileptic patients. Journal of Physiology (Paris), 2010, 104, 197-202.	2.1	15
60	Advances in structural modeling robust to outliers in explanatory and response variables. , 2010, , .		0
61	Dynamic control for synchronization of separated cortical areas through thalamic relay. NeuroImage, 2010, 52, 947-955.	4.2	53
62	A Hierarchical Classification of First-Order Recurrent Neural Networks. Lecture Notes in Computer Science, 2010, , 142-153.	1.3	4
63	Transmission of Distributed Deterministic Temporal Information through a Diverging/Converging Three-Layers Neural Network. Lecture Notes in Computer Science, 2010, , 145-154.	1.3	3
64	A Hierarchical Classification of First-Order Recurrent Neural Networks. Chinese Journal of Physiology, 2010, 53, 407-416.	1.0	9
65	Functional Interactions in Hierarchically Organized Neural Networks Studied with Spatiotemporal Firing Patterns and Phase-Coupling Frequencies. Chinese Journal of Physiology, 2010, 53, 382-395.	1.0	3
66	Functional Connectivity Driven by External Stimuli in a Network of Hierarchically Organized Neural Modules. Lecture Notes in Computer Science, 2010, , 135-144.	1.3	0
67	JubiTool: Unified design flow for the Perplexus SIMD hardware accelerator. , 2009, , .		0
68	A Bio-Inspired Agent Framework for Hardware Accelerated Distributed Pervasive Applications. , 2009, , .		2
69	A Framework for Simulation and Analysis of Dynamically Organized Distributed Neural Networks. Lecture Notes in Computer Science, 2009, , 277-286.	1.3	4
70	Reconstruction of Underlying Nonlinear Deterministic Dynamics Embedded in Noisy Spike Trains. Journal of Biological Physics, 2008, 34, 325-340.	1.5	16
71	Deterministic neural dynamics transmitted through neural networks. Neural Networks, 2008, 21, 799-809.	5.9	23
72	EMERGENCE OF PREFERRED FIRING SEQUENCES IN LARGE SPIKING NEURAL NETWORKS DURING SIMULATED NEURONAL DEVELOPMENT. International Journal of Neural Systems, 2008, 18, 267-277.	5.2	49

#	ARTICLE	IF	CITATIONS
73	Neural Coding in the Neuroheuristic Perspective. Biosemiotics Bookseries, 2008, , 357-377.	0.3	4
74	Effect of the Background Activity on the Reconstruction of Spike Train by Spike Pattern Detection. Lecture Notes in Computer Science, 2008, , 607-616.	1.3	0
75	Effect of Feedback Strength in Coupled Spiking Neural Networks. Lecture Notes in Computer Science, 2008, , 646-654.	1.3	2
76	Detection of spectral instability in EEG recordings during the preictal period. Journal of Neural Engineering, 2007, 4, 173-178.	3.5	11
77	Differences in locomotor behavior revealed in mice deficient for the calcium-binding proteins parvalbumin, calbindin D-28k or both. Behavioural Brain Research, 2007, 178, 250-261.	2.2	45
78	PERPLEXUS: Pervasive Computing Framework for Modeling Complex Virtually-Unbounded Systems. , 2007, , .		21
79	On a phase diagram for random neural networks with embedded spike timing dependent plasticity. BioSystems, 2007, 89, 280-286.	2.0	15
80	Effect of stimulus-driven pruning on the detection of spatiotemporal patterns of activity in large neural networks. BioSystems, 2007, 89, 287-293.	2.0	27
81	Influence of the temporal distribution of electric pulses on transcallosal single unit responses. BioSystems, 2007, 89, 143-153.	2.0	3
82	Detection of Dynamical Systems from Noisy Multivariate Time Series. , 2007, , 3-17.		0
83	Effect of Increasing Inhibitory Inputs on Information Processing Within a Small Network of Spiking Neurons. , 2007, , 23-30.		4
84	Nonlinear Dynamics Emerging in Large Scale Neural Networks with Ontogenetic and Epigenetic Processes. Lecture Notes in Computer Science, 2007, , 579-588.	1.3	10
85	Deterministic Nonlinear Spike Train Filtered by Spiking Neuron Model. Lecture Notes in Computer Science, 2007, , 924-933.	1.3	1
86	OpenAdap.net: Evolvable Information Processing Environment. Lecture Notes in Computer Science, 2007, , 227-236.	1.3	2
87	Learning of auditory equivalence classes for vowels by rats. Behavioural Processes, 2006, 73, 348-359.	1.1	27
88	The POETic Electronic Tissue and Its Role in the Emulation of Large-Scale Biologically Inspired Spiking Neural Networks Models. Complexus, 2006, 3, 32-47.	0.6	6
89	On the Classification of Experimental Data Modeled Via a Stochastic Leaky Integrate and Fire Model Through Boundary Values. Bulletin of Mathematical Biology, 2006, 68, 1257-1274.	1.9	11
90	Neuronal Cell Death and Synaptic Pruning Driven by Spike-Timing Dependent Plasticity. Lecture Notes in Computer Science, 2006, , 953-962.	1.3	3

#	ARTICLE	IF	CITATIONS
91	Physical Mapping of Spiking Neural Networks Models on a Bio-inspired Scalable Architecture. Lecture Notes in Computer Science, 2006, , 936-943.	1.3	0
92	Dynamics of pruning in simulated large-scale spiking neural networks. BioSystems, 2005, 79, 11-20.	2.0	88
93	Event-related potentials in an auditory oddball situation in the rat. BioSystems, 2005, 79, 207-212.	2.0	40
94	Unsupervised Spike Sorting of extracellular electrophysiological recording in subthalamic nucleus of Parkinsonian patients. BioSystems, 2005, 79, 159-171.	2.0	22
95	Implementation of Biologically Plausible Spiking Neural Networks Models on the POEtic Tissue. Lecture Notes in Computer Science, 2005, , 188-197.	1.3	4
96	On-Line Real-Time Oriented Application for Neuronal Spike Sorting with Unsupervised Learning. Lecture Notes in Computer Science, 2005, , 109-114.	1.3	6
97	Unsupervised Recognition of Neuronal Discharge Waveforms for On-line Real-Time Operation. Lecture Notes in Computer Science, 2005, , 29-38.	1.3	2
98	Stimulus-Driven Unsupervised Synaptic Pruning in Large Neural Networks. Lecture Notes in Computer Science, 2005, , 59-68.	1.3	6
99	Robust Structural Modeling and Outlier Detection with GMDH-Type Polynomial Neural Networks. Lecture Notes in Computer Science, 2005, , 881-886.	1.3	2
100	Hardware optimization and serial implementation of a novel spiking neuron model for the POEtic tissue. BioSystems, 2004, 76, 201-208.	2.0	8
101	Dopamine modulation of glutamate metabotropic receptors in conditioned reaction of sensory motor cortex neurons of the cat. Neuroscience Letters, 2004, 356, 127-130.	2.1	4
102	Parvalbumin deficiency affects network properties resulting in increased susceptibility to epileptic seizures. Molecular and Cellular Neurosciences, 2004, 25, 650-663.	2.2	149
103	Detection of syntopies between multiple spike trains using a coarse-grain binarization of spike count distributions. Network: Computation in Neural Systems, 2004, 15, 13-28.	3.6	11
104	Detection of syntopies between multiple spike trains using a coarse-grain binarization of spike count distributions. Network: Computation in Neural Systems, 2004, 15, 13-28.	3.6	7
105	Nonparametric On-Line Detection of Changes in Signal Spectral Characteristics for Early Prediction of Epilepsy Seizure Onset. Journal of Automation and Information Sciences, 2004, 36, 35-45.	0.7	0
106	Detection of syntopies between multiple spike trains using a coarse-grain binarization of spike count distributions. Network: Computation in Neural Systems, 2004, 15, 13-28.	3.6	3
107	The effects of activation of glutamate ionotropic connections of neurons in the sensorimotor cortex in a conditioned reflex. Neuroscience and Behavioral Physiology, 2003, 33, 479-488.	0.4	5
108	An unsupervised automatic method for sorting neuronal spike waveforms in awake and freely moving animals. Methods, 2003, 30, 178-187.	3.8	46

#	ARTICLE	IF	CITATIONS
109	POEtic Tissue: An Integrated Architecture for Bio-inspired Hardware. Lecture Notes in Computer Science, 2003, , 129-140.	1.3	53
110	Spiking Neural Networks for Reconfigurable POEtic Tissue. Lecture Notes in Computer Science, 2003, , 165-173.	1.3	16
111	Hardware Optimization of a Novel Spiking Neuron Model for the POEtic tissue.. Lecture Notes in Computer Science, 2003, , 113-120.	1.3	4
112	Dopamine modulation of activity of cat sensorimotor cortex neurons during conditioned reflexes. Neuroscience Letters, 2002, 330, 171-174.	2.1	5
113	Nonlinear Oscillation Models for Spike Separation. Lecture Notes in Computer Science, 2002, , 61-70.	1.3	1
114	Prediction of n-Octanol/Water Partition Coefficients from PHYSPROP Database Using Artificial Neural Networks and E-State Indices. Journal of Chemical Information and Computer Sciences, 2001, 41, 1407-1421.	2.8	360
115	Estimation of Aqueous Solubility of Chemical Compounds Using E-State Indices. Journal of Chemical Information and Computer Sciences, 2001, 41, 1488-1493.	2.8	319
116	Different tonic regulation of neuronal activity in the rat dorsal raphe and medial prefrontal cortex via 5-HT1A receptors. Neuroscience Letters, 2001, 304, 129-132.	2.1	47
117	A pattern grouping algorithm for analysis of spatiotemporal patterns in neuronal spike trains. 1. Detection of repeated patterns. Journal of Neuroscience Methods, 2001, 105, 1-14.	2.5	54
118	A pattern grouping algorithm for analysis of spatiotemporal patterns in neuronal spike trains. 2. Application to simultaneous single unit recordings. Journal of Neuroscience Methods, 2001, 105, 15-24.	2.5	37
119	Internet Software for the Calculation of the Lipophilicity and Aqueous Solubility of Chemical Compounds. Journal of Chemical Information and Computer Sciences, 2001, 41, 246-252.	2.8	74
120	Computer assisted neurophysiological analysis of cell assemblies activity. Neurocomputing, 2001, 38-40, 1025-1030.	5.9	5
121	Pattern grouping algorithm and de-convolution filtering of non-stationary correlated Poisson processes. Neurocomputing, 2001, 38-40, 1709-1714.	5.9	3
122	Computer Assisted Neurophysiology by a Distributed Java Program. , 2001, , 261-272.		0
123	Recognition of Neurons Impulses with the Use of Nonlinear Dynamic Equations. Journal of Automation and Information Sciences, 2001, 33, 10.	0.7	0
124	DETECTION OF DETERMINISTIC DYNAMICS IN SHORT DISCRETE TIME SERIES. , 2000, , .		1
125	NON-LINEAR COUPLING OF LOCAL FIELD POTENTIALS ACROSS CORTICAL SITES IN PARVALBUMIN-DEFICIENT MICE. , 2000, , .		1
126	Non-linear cortical interactions modulated by cholinergic afferences from the rat basal forebrain. BioSystems, 2000, 58, 219-228.	2.0	36

#	ARTICLE	IF	CITATIONS
127	Polynomial Neural Network for Linear and Non-linear Model Selection in Quantitative-Structure Activity Relationship Studies on the Internet. SAR and QSAR in Environmental Research, 2000, 11, 263-280.	2.2	26
128	Variable Selection in the Cascade-Correlation Learning Architecture. , 2000, , 472-473.		4
129	Spatiotemporal activity patterns of rat cortical neurons predict responses in a conditioned task. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 1106-1111.	7.1	112
130	Corticofugal modulation of functional connectivity within the auditory thalamus of rat, guinea pig and cat revealed by cooling deactivation. Journal of Neuroscience Methods, 1999, 86, 161-178.	2.5	53
131	Prediction of partition coefficient based on atomâ€™type electrotopological state indices. Journal of Pharmaceutical Sciences, 1999, 88, 229-233.	3.3	57
132	Deterministic Behaviour of Short Time Series. Meccanica, 1999, 34, 145-152.	2.0	14
133	c-Fos expression in the auditory pathways related to the significance of acoustic signals in rats performing a sensory-motor task. Brain Research, 1999, 841, 170-183.	2.2	41
134	Preferential induction of fos-like immunoreactivity in granule cells of the cochlear nucleus by acoustic stimulation in behaving rats. Neuroscience Letters, 1999, 259, 123-126.	2.1	8
135	Stimulus congruence affects perceptual processes in a novel Go/Nogo conflict paradigm in rats. Behavioural Processes, 1999, 48, 69-88.	1.1	9
136	Pharmaceutical Fingerprinting in Phase Space. 2. Pattern Recognition. Analytical Chemistry, 1999, 71, 2431-2439.	6.5	9
137	Pharmaceutical Fingerprinting in Phase Space. 1. Construction of Phase Fingerprints. Analytical Chemistry, 1999, 71, 2423-2430.	6.5	16
138	<title>Spatiotemporal activity patterns detected from single cell measurements from behaving animals</title>., 1999, 3728, 20.		10
139	Recognition of Signals with Application of Nonlinear Equations of Dynamics. Journal of Automation and Information Sciences, 1999, 31, 81-87.	0.7	0
140	Correlation Dimension for Two Experimental Time Series. Meccanica, 1998, 33, 381-396.	2.0	4
141	Computer Assisted Neurophysiology by a Distributed Java Program. Journal of Biomedical Informatics, 1998, 31, 465-475.	0.7	2
142	Dynamical cell assemblies in the rat auditory cortex in a reaction-time task. BioSystems, 1998, 48, 269-277.	2.0	23
143	Discharge properties of single neurons in the dorsal nucleus of the lateral lemniscus of the rat. Brain Research Bulletin, 1998, 47, 595-610.	3.0	27
144	Application of a Pruning Algorithm To Optimize Artificial Neural Networks for Pharmaceutical Fingerprinting. Journal of Chemical Information and Computer Sciences, 1998, 38, 660-668.	2.8	27

#	ARTICLE	IF	CITATIONS
145	Neural Network Studies. 3. Variable Selection in the Cascade-Correlation Learning Architecture. Journal of Chemical Information and Computer Sciences, 1998, 38, 651-659.	2.8	69
146	Dynamic transitions in global network activity influenced by the balance of excitation and inhibition. Network: Computation in Neural Systems, 1997, 8, 165-184.	3.6	21
147	Ketamine Modulation of the Temporal Pattern of Discharges and Spike Train Interactions in the Rat Substantia Nigra Pars Reticulata. Brain Research Bulletin, 1997, 43, 525-535.	3.0	11
148	Assessing Connections in Networks of Biological Neurons. , 1997, , 77-92.		6
149	Title is missing!. Neural Processing Letters, 1997, 6, 43-50.	3.2	21
150	Title is missing!. Neural Processing Letters, 1997, 6, 51-59.	3.2	4
151	Correlation dimension for paired discrete time series. Journal of Statistical Physics, 1997, 89, 877-884.	1.2	6
152	Fast combinatorial methods to estimate the probability of complex temporal patterns of spikes. Biological Cybernetics, 1997, 76, 397-408.	1.3	24
153	Efficient Partition of Learning Data Sets for Neural Network Training. Neural Networks, 1997, 10, 1361-1374.	5.9	59
154	Evolution of C-Fos Expression in Auditory Structures During a Sensori-Motor Learning in Rats. , 1997, , 49-55.		1
155	Dynamic transitions in global network activity influenced by the balance of excitation and inhibition. Network: Computation in Neural Systems, 1997, 8, 165-184.	3.6	20
156	Neural Network Studies. 2. Variable Selection. Journal of Chemical Information and Computer Sciences, 1996, 36, 794-803.	2.8	146
157	Low-dimensional chaotic attractors in the rat brain. Biological Cybernetics, 1996, 74, 387-393.	1.3	35
158	Nerve growth factor modulates information processing in the auditory thalamus. Brain Research Bulletin, 1996, 39, 139-147.	3.0	21
159	Reversible deactivation of cerebral network components. Trends in Neurosciences, 1996, 19, 535-542.	8.6	118
160	Low-dimensional chaotic attractors in the rat brain. Biological Cybernetics, 1996, 75, 509-509.	1.3	0
161	Determination of chaotic attractors in the rat brain. Journal of Statistical Physics, 1996, 84, 1379-1385.	1.2	20
162	Low-dimensional chaotic attractors in the rat brain. Biological Cybernetics, 1996, 74, 387-393.	1.3	2

#	ARTICLE	IF	CITATIONS
163	Evidence for a repetitive (burst) firing pattern in a sub-population of 5-hydroxytryptamine neurons in the dorsal and median raphe nuclei of the rat. <i>Neuroscience</i> , 1995, 69, 189-197.	2.3	106
164	Morphology and spatial distribution of corticothalamic terminals originating from the cat auditory cortex. <i>Hearing Research</i> , 1995, 83, 161-174.	2.0	88
165	Visual Processing in Alzheimer's Disease. <i>Advances in Behavioral Biology</i> , 1995, , 1-11.	0.2	1
166	Changes of single unit activity in the cat's auditory thalamus and cortex associated to different anesthetic conditions. <i>Neuroscience Research</i> , 1994, 19, 303-316.	1.9	160
167	Examples of the Investigation of Neural Information Processing by Point Process Analysis. , 1994, , 111-127.		6
168	An electrophysiological study of visual processing in Alzheimer's disease. <i>Electroencephalography and Clinical Neurophysiology</i> , 1993, 87, 97-104.	0.3	20
169	VISUAL PROCESSING OF STEADY-STATE GRATINGS IN ALZHEIMER'S DISEASE. <i>Journal of Clinical Neurophysiology</i> , 1993, 10, 241.	1.7	0
170	Temporal correlates of information processing during visual short-term memory. <i>NeuroReport</i> , 1992, 3, 113-116.	1.2	67
171	Functional correlates of a three-component spatial model of the alpha rhythm. <i>Brain Research</i> , 1992, 582, 159-162.	2.2	10
172	Auditory corticocortical interconnections in the cat: evidence for parallel and hierarchical arrangement of the auditory cortical areas. <i>Experimental Brain Research</i> , 1991, 86, 483-505.	1.5	187
173	Corticofugal modulation of the information processing in the auditory thalamus of the cat. <i>Experimental Brain Research</i> , 1991, 86, 506-517.	1.5	143
174	Evidence for spatiotemporal firing patterns within the auditory thalamus of the cat. <i>Brain Research</i> , 1990, 509, 325-327.	2.2	61
175	Physiological differentiation within the auditory part of the thalamic reticular nucleus of the cat. <i>Brain Research Reviews</i> , 1990, 15, 25-40.	9.0	89
176	Functional organization of the medial division of the medial geniculate body of the cat: Tonotopic organization, spatial distribution of response properties and cortical connections. <i>Hearing Research</i> , 1989, 39, 127-142.	2.0	89
177	Functional organization of the ventral division of the medial geniculate body of the cat: Evidence for a rostro-caudal gradient of response properties and cortical projections. <i>Hearing Research</i> , 1989, 39, 103-125.	2.0	108
178	A computer-aided three-dimensional reconstruction of brain structures using high level computer graphics. <i>International Journal of Bio-medical Computing</i> , 1987, 20, 289-302.	0.5	4
179	The chromosome idiogram of <i>Nicotiana plumbaginifolia</i> . <i>Genetica</i> , 1984, 64, 145-148.	1.1	6
180	Nonlinear oscillation models for the spike sorting of single units recorded extracellularly. , 0, , .		0

#	ARTICLE	IF	CITATIONS
181	Empirical Evidence about Temporal Structure in Multi-unit Recordings. , 0, , 1-52.		16
182	Responder?s specific ERP cognitive component in the ultimatum game. Frontiers in Human Neuroscience, 0, 5, .	2.0	0
183	Dynamics of Firing Patterns in Evolvable Hierarchically Organized Neural Networks. Lecture Notes in Computer Science, 0, , 296-307.	1.3	4
184	Determination of chaotic attractors in short discrete time series. , 0, , .		0