Measurement of the Wiener Kernels of a Non-linear Sys

International Journal of Control 2, 237-254

DOI: 10.1080/00207176508905543

Citation Report

#	Article	IF	CITATIONS
1	A Monte-Carlo Method for Analysing Non-linear Circuits. International Journal of Control, 1967, 5, 131-134.	1.2	3
2	Stochastic representation of nearly-Gaussian, nonlinear processes. Journal of Statistical Physics, 1969, 1, 25-40.	0.5	7
3	Linear timeâ€varying model of rainfallâ€runoff relation. Water Resources Research, 1969, 5, 426-437.	1.7	10
4	Measurement of Wiener kernels with binary random signals. IEEE Transactions on Automatic Control, 1970, 15, 123-125.	3.6	9
5	Nonlinear Time Varying Model of Rainfallâ€Runoff Relation. Water Resources Research, 1970, 6, 1277-1286.	1.7	23
6	Some Considerations on the Application of the Volterra Representation of Nonlinear Networks to Adaptive Echo Cancellers. Bell System Technical Journal, 1971, 50, 2797-2805.	0.6	25
7	The output properties of Volterra systems (nonlinear systems with memory) driven by harmonic and Gaussian inputs. Proceedings of the IEEE, 1971, 59, 1688-1707.	16.4	429
8	Correlation Techniques for the Identification of Non-Linear Systems. Measurement and Control, 1972, 5, 316-321.	0.9	15
9	On holographic models of memory. Biological Cybernetics, 1973, 12, 237-238.	0.6	16
10	Considerations on models of movement detection. Biological Cybernetics, 1973, 13, 223-227.	0.6	206
11	Using a laboratory computer for identification of nonlinear behavioral and electrophysiological systems. Behavior Research Methods & Instrumentation, 1973, 5, 134-138.	0.3	1
12	A Volterra Series Description of Crosstalk Interference in Communications Systems. Bell System Technical Journal, 1973, 52, 649-668.	0.6	7
13	Measuring the Wiener kernels of a non-linear system using the fast Fourier transform algorithm. International Journal of Control, 1973, 17, 529-539.	1.2	103
14	A theory of non-linear system identification. International Journal of Control, 1974, 20, 577-592.	1.2	32
15	The Use of Walsh Functions in the Wiener Analysis of Nonlinear Systems. IEEE Transactions on Computers, 1974, C-23, 225-232.	2.4	18
16	Identification of Multi-Input Biological Systems. IEEE Transactions on Biomedical Engineering, 1974, BME-21, 88-101.	2.5	99
17	Experimental analysis of a neural system: Two modeling approaches. Biological Cybernetics, 1974, 15, 11-26.	0.6	16
18	Nonlinear viscoelasticity of solid polymers (in uniaxial tensile loading). Journal of Polymer Science Macromolecular Reviews, 1974, 9, 163-190.	1.9	28

#	Article	IF	CITATIONS
19	On optimal nonlinear associative recall. Biological Cybernetics, 1975, 19, 201-209.	0.6	107
20	Identification of nonlinear systems using random impulse train inputs. Biological Cybernetics, 1975, 19, 217-230.	0.6	104
21	Determination of nonlinear transfer characteristics (Wiener kernels) of cells in the visual system of insects. Die Naturwissenschaften, 1975, 62, 186-187.	0.6	1
22	Spike initiation by transmembrane current: a whiteâ€noise analysis Journal of Physiology, 1976, 260, 279-314.	1.3	284
23	Visual control of orientation behaviour in the fly: Part II. Towards the underlying neural interactions. Quarterly Reviews of Biophysics, 1976, 9, 377-438.	2.4	217
24	Analysis of neuronal networks in the visual system of the cat using statistical signals. Biological Cybernetics, 1976, 22, 7-20.	0.6	21
25	Efficiency of different neuronal codes: Information transfer calculations for three different neuronal systems. Biological Cybernetics, 1976, 22, 49-60.	0.6	102
26	Dynamic characteristics of the receptive field of L-cells for monochromatic lights. Biological Cybernetics, 1976, 23, 149-156.	0.6	2
27	Practical nonlinear system analysis by Wiener kernel estimation in the frequency domain. Biological Cybernetics, 1976, 24, 111-119.	0.6	53
28	Theory of stochastic NMR spectroscopy. Application of the ITÃ" and Stratonovich calculus. Chemical Physics, 1976, 18, 57-84.	0.9	25
29	Neurophysiology of the Anuran Visual System. , 1976, , 297-385.		168
30	Fluctuation Analysis in Neurobiology. International Review of Neurobiology, 1977, 20, 169-208.	0.9	50
31	The Volterra Representation and the Wiener Expansion: Validity and Pitfalls. SIAM Journal on Applied Mathematics, 1977, 33, 195-216.	0.8	98
32	The kernel identification method (1910–1977)— review of theory, calculation, application, and interpretation. Mathematical Biosciences, 1977, 37, 135-190.	0.9	65
33	Wiener-like system identification in physiology. Journal of Mathematical Biology, 1977, 4, 375-381.	0.8	26
34	Wiener analysis of nonlinear systems using Poisson-Charlier crosscorrelation. Biological Cybernetics, 1977, 27, 221-227.	0.6	16
35	A family of quasi-white random signals and its optimal use in biological system identification. Biological Cybernetics, 1977, 27, 49-56.	0.6	39
36	Nonlinear analysis of sensory transduction in an insect mechanoreceptor. Biological Cybernetics, 1977, 26, 231-240.	0.6	47

#	ARTICLE	IF	CITATIONS
37	The response properties of retinula cells in the flyCalliphora erythrocephala as a function of the wavelength and polarization properties of visible and ultraviolet light. Biological Cybernetics, 1977, 26, 93-107.	0.6	9
38	On representation and approximation of nonlinear systems. Biological Cybernetics, 1978, 31, 119-124.	0.6	42
39	Nonlinear systems analysis of repetitive firing behavior in the crayfish stretch receptor. Biological Cybernetics, 1978, 29, 105-113.	0.6	8
40	Nonlinear analysis of the human visual evoked response. Biological Cybernetics, 1978, 30, 55-61.	0.6	14
41	Real-Time Computer for First-and Second-Order Wiener Kernels. IEEE Transactions on Biomedical Engineering, 1978, BME-25, 559-562.	2.5	4
42	Stochastic Identification Methods for Nonlinear Systems: An Extension of the Wiener Theory. SIAM Journal on Applied Mathematics, 1978, 34, 524-535.	0.8	43
43	Identification of a class of nonlinear systems using correlation analysis. Proceedings of the Institution of Electrical Engineers, 1978, 125, 691.	0.1	129
44	Wiener analysis of grating contrast judgments. Vision Research, 1978, 18, 1031-1039.	0.7	4
45	The existence and uniqueness of Volterra series for nonlinear systems. IEEE Transactions on Automatic Control, 1978, 23, 1090-1095.	3.6	129
46	Random versus pseudorandom test signals in nonlinear-system identification. Proceedings of the Institution of Electrical Engineers, 1978, 125, 425.	0.1	5
47	Identification of non-linear unity feedback systems. , 1978, , .		8
48	White-Noise Analysis of Biological Systems. Journal of Medical Engineering and Technology, 1978, 2, 231-234.	0.8	1
49	Receptive field mechanisms of cat X and Y retinal ganglion cells Journal of General Physiology, 1979, 74, 275-298.	0.9	90
50	Error analysis and optimal estimation procedures in identification of nonlinear volterra systems. Automatica, 1979, 15, 161-174.	3.0	18
51	Analytical and experimental studies of the modeling of a class of nonlinear systems. Nuclear Engineering and Design, 1979, 55, 59-68.	0.8	8
52	Nonlinear kernels of the human ERG. Biological Cybernetics, 1979, 35, 145-160.	0.6	23
53	The Alopex process: Visual receptive fields by response feedback. Biological Cybernetics, 1979, 35, 161-174.	0.6	114
54	Neural representation of the acoustic biotope: On the existence of stimulus-event relations for sensory neurons. Biological Cybernetics, 1979, 32, 175-185.	0.6	49

#	Article	IF	CITATIONS
55	Generation of Gaussian noise with improved quasi-white properties. Biological Cybernetics, 1979, 32, 243-248.	0.6	15
56	Nonlinear systems analysis with non-Gaussian white stimuli; General basis functionals and kernels (Corresp.). IEEE Transactions on Information Theory, 1979, 25, 495-500.	1.5	38
57	Spatio-Temporal Receptive Field Measurement of Retinal Neurons by Random Pattern Stimulation and Cross Correlation. IEEE Transactions on Biomedical Engineering, 1979, BME-26, 263-272.	2.5	36
58	Higher Order System Function Analysis: Optimal Fitting and Statistical Estimates. IEEE Transactions on Systems, Man, and Cybernetics, 1979, 9, 695-702.	0.9	0
59	Interpretation of kernels. II. same-signed 1st- and 2nd-degree (main-diagonal) kernels of the human pupillary system. Mathematical Biosciences, 1979, 46, 159-187.	0.9	11
60	A Nonparametric Identification Technique for Nonlinear Dynamic Problems. Journal of Applied Mechanics, Transactions ASME, 1979, 46, 433-447.	1.1	456
61	Stochastic functional fourier series, Volterra series, and nonlinear systems analysis. IEEE Transactions on Automatic Control, 1979, 24, 230-242.	3.6	62
62	Identification of factorable Volterra systems. Proceedings of the Institution of Electrical Engineers, 1979, 126, 1018.	0.1	3
63	Nonlinear analysis with an arbitrary stimulus ensemble. Quarterly of Applied Mathematics, 1979, 37, 113-136.	0.5	104
64	Identification of Systems Composed of Linear Dynamic and Static Nonlinear Elements. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1979, 12, 493-500.	0.4	3
65	Nonlinear systems analysis: comparison of white noise and sum of sinusoids in a biological system Proceedings of the National Academy of Sciences of the United States of America, 1979, 76, 996-998.	3.3	39
66	A Modified Volterra Series Representation for a Class of Single-Valued, Continuous Nonlinear Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 1980, 102, 163-167.	0.9	2
68	Retinal responses to white-noise modulated current stimuli. Biological Cybernetics, 1980, 38, 193-199.	0.6	0
69	Spectro-temporal receptive fields of auditory neurons in the grassfrog. Biological Cybernetics, 1980, 38, 235-248.	0.6	68
70	Sensory transduction in an insect mechanoreceptor: Linear and nonlinear properties. Biological Cybernetics, 1980, 38, 115-123.	0.6	21
71	Identification of nonlinear systems by use of nonstationary white-noise inputs. Applied Mathematical Modelling, 1980, 4, 117-124.	2.2	7
72	Wiener Kernels and Frequency Response Functions for the Human Retina. IEEE Transactions on Biomedical Engineering, 1980, BME-27, 68-75.	2.5	5
73	2D NMR Spectra from Stochastic NMR. Coupling and Exchange Information from Third Order Frequency Kernel. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1980, 84, 1090-1102.	0.9	21

#	Article	IF	Citations
74	Identification of ventilatory dynamics using pseudorandom binary sequences. Transactions of the Institute of Measurement and Control, 1980, 2, 20-24.	1.1	O
75	Identification of a class of non-linear systems with gaussian non-white inputs. International Journal of Systems Science, 1980, 11, 541-555.	3.7	11
76	SOMATOSENSORY EVOKED POTENTIALS TO RANDOM STIMULUS TRAINS. Annals of the New York Academy of Sciences, 1980, 338, 695-701.	1.8	0
77	Spatiotemporal testing and modeling of catfish retinal neurons. Biophysical Journal, 1980, 29, 13-36.	0.2	34
78	Nonlinear system modeling based on the Wiener theory. Proceedings of the IEEE, 1981, 69, 1557-1573.	16.4	278
80	Dynamic aspects of cat retinal ganglion cell's centre and surround mechanisms: A white noise analysis. Vision Research, 1981, 21, 1693-1696.	0.7	8
81	Responses of cat retinal ganglion cells to the random motion of a spot stimulus. Vision Research, 1981, 21, 435-443.	0.7	15
82	Orthogonal multilevel pseudorandom sequences and impulse sequences derived from them. IEEE Transactions on Information Theory, 1981, 27, 339-342.	1.5	1
83	A discrete ARMA model for nonlinear system identification. IEEE Transactions on Circuits and Systems, 1981, 28, 224-233.	0.9	48
84	The Spectro-Temporal Receptive Field. Biological Cybernetics, 1981, 42, 133-143.	0.6	212
85	A comparison of the Spectro-Temporal sensitivity of auditory neurons to tonal and natural stimuli. Biological Cybernetics, 1981, 42, 145-156.	0.6	56
86	Spectro-temporal receptive fields of auditory neurons in the grassfrog. Biological Cybernetics, 1981, 39, 195-209.	0.6	105
87	Characterization of spatial and temporal properties of monkey LGN Y-cells. Biological Cybernetics, 1981, 40, 157-170.	0.6	20
88	Non-parametric identification of a class of non-linear close-coupled dynamic systems. Earthquake Engineering and Structural Dynamics, 1981, 9, 385-409.	2.5	23
89	Correlator based on delta modulation for linear and non-linear system identification. International Journal of Electronics, 1981, 50, 371-384.	0.9	1
90	Wiener-like fourier kernels for nonlinear system identification and synthesis (nonanalytic cascade,) Tj ETQq $1\ 1\ 0$.784314 r 3.6	gBT/Overloc
91	Instrumental-variable methods for identification of Hammerstein systems. International Journal of Control, 1982, 35, 459-476.	1.2	145
92	Nonparametric Identification of Nearly Arbitrary Nonlinear Systems. Journal of Applied Mechanics, Transactions ASME, 1982, 49, 619-628.	1.1	114

#	Article	IF	Citations
93	Tracking Performance With Varying Error-Criteria. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1982, 15, 391-398.	0.4	0
94	Imagery Data Transmission by Cross-Correlation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1982, 15, 663-667.	0.4	0
95	Wiener Functionals for an ΕLevel Uniformly Distributed Discrete Random Process. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1982, 15, 1307-1312.	0.4	1
96	Signal Transformations by Nonlinearity as The Foundation for Identification Procedures. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1982, 15, 325-330.	0.4	0
97	Signal Transfer Among Retinal Neurons. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1982, 15, 481-484.	0.4	0
98	Nonparametric Modeling of Respiratory Mechanics and Gas Exchange. IFAC Postprint Volumes IPPV International Federation of Automatic Control, 1982, 15, 675-680.	0.4	0
99	SOMATOSENSORY EVOKED POTENTIALS TO RANDOM STIMULUS TRAINS. Annals of the New York Academy of Sciences, 1982, 388, 695-701.	1.8	6
100	Non-parametric identification of a class of nonlinear multidegree dynamic systems. Earthquake Engineering and Structural Dynamics, 1982, 10, 1-30.	2.5	50
101	Identification of systems containing linear dynamic and static nonlinear elements. Automatica, 1982, 18, 15-26.	3.0	397
102	On the analysis of nonlinear stochastic systems. Journal of the Franklin Institute, 1982, 313, 233-244.	1.9	1
103	The randomly driven bloch equations. Journal of Magnetic Resonance, 1982, 48, 293-301.	0.5	10
104	Identification and modeling of nonlinear systems. Nuclear Engineering and Design, 1982, 72, 235-270.	0.8	9
105	Nonparametric validation of parametric models. Mathematical Modelling, 1982, 3, 305-309.	0.2	9
106	Statistical and dimensional analysis of the neural representation of the acoustic biotope of the frog. Journal of Medical Systems, 1982, 6, 399-421.	2.2	30
107	Responses to coloured patterns in the macaque lateral geniculate nucleus: Analysis of receptive field properties. Experimental Brain Research, 1982, 48, 55-65.	0.7	8
108	Measuring Volterra kernels. IEEE Transactions on Circuits and Systems, 1983, 30, 571-577.	0.9	184
109	Wiener kernels of a system described by ito stochastic differential equation. Electronics and Communications in Japan, 1983, 66, 29-36.	0.1	0
110	Non-linear analysis of the transmission of signals in the auditory system of the migratory locust Locusta migratorta. Biological Cybernetics, 1983, 46, 197-205.	0.6	8

#	Article	IF	CITATIONS
111	Evaluation of neuronal coupling dynamics. Biological Cybernetics, 1983, 46, 129-134.	0.6	26
112	A new photographic method for mapping spatio-temporal receptive field using television snow stimulation. Journal of Neuroscience Methods, 1983, 8, 225-230.	1.3	4
113	Practice of multidimensional stochastic nmr spectroscopy. The derivation of 1D, 2D, AND 3D spectra. Journal of Magnetic Resonance, 1983, 52, 42-56.	0.5	8
114	Processing of visual information in the distal neurons of the vertebrate retina. IEEE Transactions on Systems, Man, and Cybernetics, 1983, SMC-13, 934-943.	0.9	7
115	Multi-dimensional spectroscopy. Molecular Physics, 1983, 48, 969-980.	0.8	14
116	Quantitative characterisation procedure for auditory neurons based on the spectro-temporal receptive field. Hearing Research, 1983, 10, 167-190.	0.9	58
117	Frequency selectivity of phase-locking of complex sounds in the auditory nerve of the rat. Hearing Research, 1983, 11, 267-284.	0.9	47
118	Dynamic properties of cat horizontal cell light responses. Vision Research, 1983, 23, 257-266.	0.7	7
119	Theory of nonlinear systems. Journal of the Franklin Institute, 1983, 315, 1-26.	1.9	2
120	Nonlinear noise analysis in nuclear magnetic resonance spectroscopy. 1D, 2D, and 3Dspectra. Journal of Chemical Physics, 1983, 78, 1059-1076.	1.2	47
121	Multidimensional spectroscopy. Molecular Physics, 1983, 48, 955-968.	0.8	23
122	Reverse-correlation methods in auditory research. Quarterly Reviews of Biophysics, 1983, 16, 341-414.	2.4	211
123	Efficient nonlinear system identification. , 0, , .		1
124	Stochastic time resolved CIDNP spectroscopy. Molecular Physics, 1984, 51, 1283-1291.	0.8	12
125	Transmission of array data by multivariate convolution and cross-correlation using white-noise reference signal. International Journal of Systems Science, 1984, 15, 525-541.	3.7	1
126	A computerized mathematical model for studying nonlinear functional characteristics of skeletal muscle activity. Mathematics and Computers in Simulation, 1984, 26, 136-147.	2.4	0
127	The Pupil as a Paradigm for Neurological Control Systems. IEEE Transactions on Biomedical Engineering, 1984, BME-31, 919-924.	2.5	25
128	Artifacts in Wiener Kernels Estimated Using Gaussian White Noise. IEEE Transactions on Biomedical Engineering, 1984, BME-31, 454-461.	2.5	20

#	Article	IF	CITATIONS
129	The transducer and encoder of frog muscle spindles are essentially nonlinear. Physiological conclusions from a white-noise analysis. Biological Cybernetics, 1984, 51, 21-32.	0.6	16
130	Wiener kernel analysis of responses from anteroventral cochlear nucleus neurons. Hearing Research, 1984, 14, 155-174.	0.9	26
131	An integro-differential formula on the Wiener kernels and its application to sandwich system identification. IEEE Transactions on Automatic Control, 1984, 29, 595-602.	3.6	12
132	Nonlinear Stochastic Model of Rainfall Runoff Process. Water Resources Research, 1984, 20, 297-309.	1.7	6
133	<title>Imaging Using Eddy Current Sensors</title> ., 1984, 0449, 54.		2
134	White noise analysis of pace-maker-response interactions and non-linearities in slowly adapting crayfish stretch receptor Journal of Physiology, 1984, 350, 55-80.	1.3	17
135	Identification of Sensory Systems and Neuronal Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1985, 18, 77-84.	0.4	2
136	Volterra representation and Wiener-like identification of nonlinear systems: scope and limitations. Quarterly Reviews of Biophysics, 1985, 18, 135-164.	2.4	20
137	The response of primary muscle spindle endings to random muscle stretch: a quantitative analysis. Experimental Brain Research, 1985, 61, 1-10.	0.7	20
138	Receptive field mechanisms of ganglion cells in the cat retina. Biological Cybernetics, 1985, 52, 37-43.	0.6	2
139	Deterministic and stochastic identification of neurophysiological systems. Neurophysiology, 1985, 16, 333-345.	0.2	1
140	Nonlinear analysis of response characteristics of ganglion cells in the retina. Electronics and Communications in Japan, 1985, 68, 48-56.	0.1	0
141	Methods of Digital Information Processing in Clinical Neurophysiology. Methods of Information in Medicine, 1985, 24, 1-4.	0.7	1
142	Second-order Volterra filtering and its application to nonlinear system identification. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1985, 33, 1445-1455.	2.0	301
143	Prediction of muscle stretch receptor behavior using Wiener kernels. Brain Research, 1985, 331, 185-189.	1.1	13
144	An improvement of the Lee and Schetzen cross-correlation method. IEEE Transactions on Automatic Control, 1985, 30, 895-898.	3.6	19
145	A non-linear analysis of afferent modulatory activity in the cat somatosensory system. Electroencephalography and Clinical Neurophysiology, 1985, 60, 444-454.	0.3	10
146	The use of clipped input information in multidimensional cross-correlation for estimating Wiener-like kernels of non-linear systems. International Journal of Systems Science, 1986, 17, 1421-1434.	3.7	1

#	ARTICLE	IF	CITATIONS
147	Dynamic properties of the responses of single neurons in the inferior colliculus of the rat. Hearing Research, 1986, 24, 203-215.	0.9	61
148	Maximum-entropy approximations of stochastic nonlinear transductions: An extension of the wiener theory. Biological Cybernetics, 1986, 54, 289-300.	0.6	11
149	Modelling of the control of heart rate by breathing using a kernel method. Journal of Theoretical Biology, 1986, 119, 67-79.	0.8	9
150	A Universal and Inexpensive Servomotor for Vestibular Research. IEEE Transactions on Biomedical Engineering, 1986, BME-33, 779-783.	2.5	0
151	Analysis of nystagmus response to pseudorandom velocity input. Computer Methods and Programs in Biomedicine, 1986, 23, 11-18.	2.6	5
152	The volterra series expansion of functionals defined on the finiteâ€dimensional vector space and its application to saving of computational effort for volterra kernels. Electronics and Communications in Japan, 1986, 69, 37-46.	0.1	2
153	Differential models and modelling. International Journal of Control, 1986, 44, 157-170.	1.2	5
154	Investigation of systematic noise in stochastic linear system analysis. Review of Scientific Instruments, 1986, 57, 1140-1144.	0.6	10
155	Structural classification of non-linear systems by input and output measurements. International Journal of Systems Science, 1986, 17, 741-774.	3.7	20
156	Twoâ€dimensional interferometry. Review of Scientific Instruments, 1987, 58, 911-919.	0.6	12
157	Fortschritte in der 2Dâ€NMRâ€Spektroskopie mit Rauschanregung. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1987, 91, 1115-1123.	0.9	7
158	Nonlinear directionally selective subunits in complex cells of cat striate cortex. Journal of Neurophysiology, 1987, 58, 33-65.	0.9	188
159	Speech motor control and stuttering: A computational model of adaptive sensory-motor processing. Speech Communication, 1987, 6, 325-333.	1.6	72
160	The fractal dimension of a test signal: Implications for system identification procedures. Biological Cybernetics, 1987, 57, 421-426.	0.6	11
161	White noise nonlinear system analysis in nuclear magnetic resonance spectroscopy. Progress in Nuclear Magnetic Resonance Spectroscopy, 1987, 19, 331-417.	3.9	53
162	DIFFERENTIAL OPERATORS ARISING FROM TRANSLATION OF POISSON FUNCTIONALS. The Australian Journal of Statistics, 1988, 30A, 247-258.	0.2	1
163	Generalized Poisson Functionals. Probability Theory and Related Fields, 1988, 77, 1-28.	0.9	84
164	White-noise analysis of nonlinear behavior in an insect sensory neuron: Kernel and cascade approaches. Biological Cybernetics, 1988, 58, 313-320.	0.6	46

#	ARTICLE	IF	CITATIONS
165	Indication of transthylakoid proton-fluxes in Aegopodium podagraria L. by light-induced changes of plasmalemma potential, chlorophyll fluorescence and light-scattering. Planta, 1988, 176, 351-361.	1.6	21
166	Exact orthogonal kernel estimation from finite data records: Extending Wiener's identification of nonlinear systems. Annals of Biomedical Engineering, 1988, 16, 201-214.	1.3	75
167	The maximum likelihood approach to the identification of neuronal firing systems. Annals of Biomedical Engineering, 1988, 16, 3-16.	1.3	22
168	A systems theoretic approach to the study of CNS function. Annals of Biomedical Engineering, 1988, 16, 17-34.	1.3	25
169	Use of pseudorandom noise in studies of auditory evoked potentials. Annals of Biomedical Engineering, 1988, 16, 35-51.	1.3	5
170	System analysis of Phycomyces light-growth response with Gaussian white noise and sum-of-sinusoids test stimuli. Annals of Biomedical Engineering, 1988, 16, 95-109.	1.3	5
171	Sensory interpretation of neural activity patterns. Mathematical Biosciences, 1988, 88, 15-35.	0.9	27
172	Chapter 6 Neuron network in catfish retina: 1968–1987. Progress in Retinal and Eye Research, 1988, 7, 149-208.	0.8	24
173	Scattering of waves from a random cylindrical surface. Journal of Mathematical Physics, 1988, 29, 851-860.	0.5	15
174	White-noise analysis in visual neuroscience. Visual Neuroscience, 1988, 1, 287-296.	0.5	60
175	Analysis and Modeling of the Auditory System Dynamics. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1988, 21, 507-518.	0.4	0
176	The Role of Nonlinear Models in Neurophysiological System Analysis. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1988, 21, 39-49.	0.4	1
177	Nonlinear Cascade Analysis of Sensory Transduction in a Mechanoreceptor. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1988, 21, 519-523.	0.4	0
178	Structural classification of multi-input biological nonlinear systems. , 0, , .		4
179	A fat orthogonal search method for biological time-series analysis and system identification. , 0, , .		5
180	Nonlinear incoherent spectroscopy. Molecular Physics, 1989, 68, 225-239.	0.8	6
181	Modeling of neuronal networks through decomposition. , 1989, , .		0
182	Structural identification of quadratic block-oriented models based on estimated Volterra kernels. International Journal of Systems Science, 1989, 20, 1355-1380.	3.7	20

#	Article	IF	CITATIONS
183	Realizations of nonlinear systems. Circuits, Systems, and Signal Processing, 1989, 8, 487-506.	1.2	4
184	Assessment of autonomic response by broad-band respiration. IEEE Transactions on Biomedical Engineering, 1989, 36, 1061-1065.	2.5	91
185	Nonparametric identification of Hammerstein systems. IEEE Transactions on Information Theory, 1989, 35, 409-418.	1.5	99
186	Identification and modelling of a class of nonlinear systems. Mathematical and Computer Modelling, 1989, 12, 991-995.	2.0	9
187	Linearized models of a class of nonlinear dynamic systems. Applied Mathematical Modelling, 1989, 13, 21-26.	2.2	4
188	A robust orthogonal algorithm for system identification and time-series analysis. Biological Cybernetics, 1989, 60, 267-276.	0.6	172
189	A nonlinear cascade model for action potential encoding in an insect sensory neuron. Biophysical Journal, 1989, 55, 655-661.	0.2	46
190	Nonlinear system identification and characterization. , 0, , .		2
191	Some History Of The Study Of Higher-order Moments And Spectra. , 0, , .		9
192	The identification of nonlinear biological systems: Wiener kernel approaches. Annals of Biomedical Engineering, 1990, 18, 629-654.	1.3	98
193	An interactive toolset for characterizing complex neural systems. Computers and Mathematics With Applications, 1990, 20, 231-246.	1.4	4
194	White noise analysis of temporal properties in simple receptive fields of cat cortex. Biological Cybernetics, 1990, 63, 209-219.	0.6	23
195	Structural classification of multi-input nonlinear systems. Biological Cybernetics, 1990, 63, 341-357.	0.6	20
196	A general method to characterize homogeneous neuronal populations. Mathematical and Computer Modelling, 1990, 14, 686-689.	2.0	0
197	Spatially resolved 2D spectroscopy with stochastic RF excitation. Journal of Magnetic Resonance, 1990, 90, 535-543.	0.5	3
198	Some New Approaches To Nonlinear System Identification And Time-series Analysis. , 0, , .		5
199	Wiener Analysis Of Nonlinear Feedback In Sensory Systems. , 0, , .		0
200	The Identification Of Hippocampal Network Function. , 0, , .		0

#	Article	IF	CITATIONS
201	Nonlinear analysis of spatial vision using first-and-second-order volterra transfer functions measurement. Vision Research, 1990, 30, 2031-2057.	0.7	16
202	The two-dimensional spatial structure of nonlinear subunits in the receptive fields of complex cells. Vision Research, 1990, 30, 249-254.	0.7	86
203	The interpretation of kernels — An overview. Annals of Biomedical Engineering, 1991, 19, 509-519.	1.3	15
204	The messages in optic nerve fibers and their interpretation. Brain Research Reviews, 1991, 16, 135-149.	9.1	14
205	Orthogonal approaches to time-series analysis and system identification. IEEE Signal Processing Magazine, 1991, 8, 29-43.	4.6	114
206	Kindling-induced potentiation of excitatory and inhibitory inputs to hippocampal dentate granule cells. I. Effects on linear and non-linear response characteristics. Brain Research, 1991, 562, 17-25.	1.1	29
207	Stochastic approximation and realization of Hankel matrices. International Journal of Systems Science, 1991, 22, 1229-1240.	3.7	0
208	A methodology for using nonlinear aerodynamics in aeroservoelastic analysis and design., 1991,,.		3
209	Wiener analysis of nonlinear feedback in sensory systems. Annals of Biomedical Engineering, 1991, 19, 345-382.	1.3	31
210	Asymptotic approach of generalized orthogonal functional expansions to Wiener kernels. Annals of Biomedical Engineering, 1991, 19, 383-399.	1.3	11
211	Practical identification of functional expansions of nonlinear systems submitted to non-Gaussian inputs. Annals of Biomedical Engineering, 1991, 19, 401-427.	1.3	12
212	Parallel cascade identification and kernel estimation for nonlinear systems. Annals of Biomedical Engineering, 1991, 19, 429-455.	1.3	178
213	Dissection of a nonlinear cascade model for sensory encoding. Annals of Biomedical Engineering, 1991, 19, 473-484.	1.3	19
214	Interpretation of functional series expansions. Annals of Biomedical Engineering, 1991, 19, 485-508.	1.3	11
215	Nonlinear system identification by m-pulse sequences: application to brainstem auditory evoked responses. IEEE Transactions on Biomedical Engineering, 1991, 38, 834-845.	2.5	57
216	Dynamics identification and control of a teleoperational system. , 0, , .		1
217	Observation of a spin echo with continuous white-noise excitation. Physical Review A, 1991, 43, 3640-3644.	1.0	6
218	Differentiation processing of linear and nonlinear information in retinal neural network. , 0, , .		2

#	Article	IF	CITATIONS
219	Estimation of kernel function of non-linear system by gaussian non-white noise. International Journal of Systems Science, 1991, 22, 595-603.	3.7	2
220	Application of Wiener's theory to nonlinear analysis of respiratory gas exchange system. , 1992, , .		0
221	Motion detection by biological asymmetrical neural network. , 0, , .		1
222	Theoretical decomposition of neuronal networks. , 0, , .		1
223	Chapter 17 Adaptive Model Theory: Application to Disorders of Motor Control. Advances in Psychology, 1992, 84, 495-548.	0.1	19
224	Method for determining the optimum input power level in Wiener kernel measurement. , 1992, , .		0
225	Modeling of neuronal networks through experimental decomposition. , 0, , .		2
226	Selectivity for temporal characteristics of sound and interaural time difference of auditory midbrain neurons in the grassfrog: A system theoretical approach. Hearing Research, 1992, 60, 178-198.	0.9	16
227	Identification of complex-cell intensive nonlinearities in a cascade model of cat visual cortex. Biological Cybernetics, 1992, 66, 291-300.	0.6	57
228	Band-limited white noise stimulation and reverse correlation analysis in the prediction of impulse responses of encoder models. Biological Cybernetics, 1992, 67, 207-215.	0.6	7
229	Stochastic sensitivity analysis. Applied Mathematical Modelling, 1992, 16, 3-15.	2.2	24
230	Signal transduction and nonlinearities revealed by white noise inputs in the fast adapting crayfish stretch receptor. Experimental Brain Research, 1992, 88, 303-312.	0.7	7
231	Maximum likelihood identification of stochastic Weiner-Hammerstein-type non-linear systems. Mechanical Systems and Signal Processing, 1992, 6, 135-153.	4.4	47
232	Instantaneous characterization of time varying nonlinear systems (neurophysiological responses). IEEE Transactions on Biomedical Engineering, 1992, 39, 420-424.	2.5	21
233	The RF-cinematogram. Biological Cybernetics, 1993, 69, 37-55.	0.6	68
234	A method for constructing data-based models of spiking neurons using a dynamic linear-static nonlinear cascade. Biological Cybernetics, 1993, 69, 67-76.	0.6	21
235	Reverse correlation analysis of the stretch response of primary muscle spindle afferent fibers. Biological Cybernetics, 1993, 69, 447-456.	0.6	5
236	Cross-correlation analyses of nonlinear systems with spatiotemporal inputs (visual neurons). IEEE Transactions on Biomedical Engineering, 1993, 40, 1102-1113.	2.5	9

#	Article	IF	CITATIONS
237	Identification of nonlinear biological systems using laguerre expansions of kernels. Annals of Biomedical Engineering, 1993, 21, 573-589.	1.3	408
238	Nonlinear analysis of renal autoregulation under broadband forcing conditions. Annals of Biomedical Engineering, 1993, 21, 591-603.	1.3	36
239	Modeling human diaphragmatic electromyogram and airflow responses to imperceptible mechanical loads. Annals of Biomedical Engineering, 1993, 21, 475-488.	1.3	0
240	Precision analysis of wiener kernels measured by cross-correlation method. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq1 1 0.78	8 46.1 4 rgE	BT Øverlock
241	Structural testing of multi-input linear—nonlinear cascade models for cells in macaque striate cortex. Vision Research, 1993, 33, 609-626.	0.7	33
242	Recovery of hippocampal dentate granule cell responsiveness to entorhinal cortical input following norepinephrine depletion. Brain Research, 1993, 614, 21-28.	1.1	15
243	Adaptive non-disruptive measurement of harmonic distortion for voiceband data transmission., 0,,.		0
244	Wiener and Volterra analyses applied to the auditory system. Hearing Research, 1993, 66, 177-201.	0.9	121
245	Application of nonlinear systems theory to transonic unsteady aerodynamic responses. Journal of Aircraft, 1993, 30, 660-668.	1.7	133
246	Nonlinear modelling and identification. , 0, , .		0
247	Effect of light adaptation on the light - horizontal cell signal transformation in the tiger salamander retina. , 0 , , .		0
248	A biologically based model of functional properties of the hippocampus. Neural Networks, 1994, 7, 1031-1064.	3.3	45
249	Calculation of the Volterra kernels of non-linear dynamic systems using an artificial neural network. Biological Cybernetics, 1994, 71, 187-195.	0.6	106
250	Some basic aspects and uses of higher-order spectra. Signal Processing, 1994, 36, 239-249.	2.1	20
251	Efficient methods for identification of Volterra filter models. Signal Processing, 1994, 38, 417-428.	2.1	16
252	Random and pseudorandom inputs for Volterra filter identification. IEEE Transactions on Signal Processing, 1994, 42, 2124-2135.	3.2	112
253	Nonparametric, nonlinear modeling of physiological systems. , 0, , .		1
254	Space-time spectra of complex cell filters in the macaque monkey: A comparison of results obtained with pseudowhite noise and grating stimuli. Visual Neuroscience, 1994, 11, 805-821.	0.5	48

#	Article	IF	Citations
255	Dynamic calibration of QMB polymer-coated sensors by Wiener kernel estimation. Sensors and Actuators B: Chemical, 1995, 27, 275-285.	4.0	28
256	Structure identification of non-linear models for QMB polymer-coated sensors. Sensors and Actuators B: Chemical, 1995, 25, 830-842.	4.0	9
257	Adaptive online load forecasting via time series modeling. Electric Power Systems Research, 1995, 32, 219-225.	2.1	28
258	Modeling and identification of parallel nonlinear systems: structural classification and parameter estimation methods. Proceedings of the IEEE, 1995, 83, 39-66.	16.4	79
259	Nonlinear system identification using Gaussian inputs. IEEE Transactions on Signal Processing, 1995, 43, 1831-1841.	3.2	77
260	Adaptive nondisruptive measurement of harmonic distortion for voiceband data transmission. IEEE Transactions on Communications, 1995, 43, 2184-2200.	4.9	6
261	Third-order reverse correlation analysis of muscle spindle primary afferent fiber responses to random muscle stretch. Biological Cybernetics, 1996, 74, 9-20.	0.6	0
262	Chapter 22 Stochastic spectroscopic imaging. Data Handling in Science and Technology, 1996, 18, 489-512.	3.1	1
263	Nonlinear image operators for the evaluation of local intrinsic dimensionality. IEEE Transactions on Image Processing, 1996, 5, 1026-1042.	6.0	69
264	Nonlinear analysis of biological systems using short M-sequences and sparse-stimulation techniques. Annals of Biomedical Engineering, 1996, 24, 513-536.	1.3	5
265	The identification of nonlinear biological systems: Volterra kernel approaches. Annals of Biomedical Engineering, 1996, 24, A250-A268.	1.3	8
266	The identification of nonlinear biological systems: Volterra kernel approaches. Annals of Biomedical Engineering, 1996, 24, 250-268.	1.3	91
267	A dual-input nonlinear system analysis of autonomic modulation of heart rate. IEEE Transactions on Biomedical Engineering, 1996, 43, 530-544.	2.5	63
268	Identification of discrete Volterra series using maximum length sequences. IET Circuits, Devices and Systems, 1996, 143, 241.	0.6	25
269	Buried Plant Detection: A Volterra Series Modelling Approach Using Artificial Neural Networks. Neural Networks, 1996, 9, 1045-1060.	3.3	4
270	Neural circuitry underlying linear representation of wind information in a nonspiking local interneuron of the cockroach. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1996, 179, 725-40.	0.7	4
271	Different strategies for the identification of gas sensing systems. Sensors and Actuators B: Chemical, 1996, 34, 213-223.	4.0	28
272	Identification of Volterra Kernels of Nonlinear Systems by use of Μ-Sequence Correlation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 711-715.	0.4	0

#	Article	IF	CITATIONS
273	Performance analysis of Volterra kernel estimators with Gaussian inputs., 0,,.		1
274	Fast estimation of Wiener kernels of nonlinear systems in the frequency domain. , 0, , .		0
275	Identification of a class of nonlinear systems under stationary non-Gaussian excitation. IEEE Transactions on Signal Processing, 1997, 45, 719-735.	3.2	39
276	A subspace reverse-correlation technique for the study of visual neurons. Vision Research, 1997, 37, 2455-2464.	0.7	184
277	Identification of nonlinear systems using random amplitude Poisson distributed input functions. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 1997, 27, 222-234.	3.4	5
278	Temporal distortion products (kernel slices) evoked by maximum-length-sequences in auditory neuropathy: evidence for a cochlear pre-synaptic origin. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1997, 104, 10-16.	2.0	11
279	Processing of Color- and Noncolor-Coded Signals in the Gourami Retina. I. Horizontal Cells. Journal of Neurophysiology, 1997, 78, 2002-2017.	0.9	8
280	Dynamics of Neurons Controlling Movements of a Locust Hind Leg II. Flexor Tibiae Motor Neurons. Journal of Neurophysiology, 1997, 77, 1731-1746.	0.9	25
281	Dynamics of Neurons Controlling Movements of a Locust Hind Leg III. Extensor Tibiae Motor Neurons. Journal of Neurophysiology, 1997, 77, 3297-3310.	0.9	13
282	Functional identification of the input-output transforms of motoneurones in the rat and cat. Journal of Physiology, 1997, 504, 401-424.	1.3	73
283	Linear and nonlinear ARMA model parameter estimation using an artificial neural network. IEEE Transactions on Biomedical Engineering, 1997, 44, 168-174.	2.5	92
284	Linear and nonlinear system identification of autonomic heart-rate modulation. IEEE Engineering in Medicine and Biology Magazine, 1997, 16, 96-105.	1.1	24
285	Application of fast orthogonal search to linear and nonlinear stochastic systems. Annals of Biomedical Engineering, 1997, 25, 793-801.	1.3	24
286	Generalized eigenvector algorithm for nonlinear system identification with non-white inputs. Annals of Biomedical Engineering, 1997, 25, 802-814.	1.3	12
287	Compact and accurate linear and nonlinear autoregressive moving average model parameter estimation using Laguerre functions. Annals of Biomedical Engineering, 1997, 25, 731-738.	1.3	10
288	Modeling stochastic spike train responses of neurons: an extended Wiener series analysis of pigeon auditory nerve fibers. Biological Cybernetics, 1997, 76, 153-162.	0.6	12
289	Programmable uniform-Gaussian, quasi-white noise generator and data acquisition-processing system for electrophysiology. Measurement: Journal of the International Measurement Confederation, 1997, 20, 149-163.	2.5	6
290	Bibliography on higher-order statistics. Signal Processing, 1997, 60, 65-126.	2.1	82

#	Article	IF	CITATIONS
291	The stochastic Bloch equations driven by a coloured noise. Chemical Physics Letters, 1998, 298, 257-272.	1.2	2
292	Nonlinear system analysis of renal autoregulation in normotensive and hypertensive rats. IEEE Transactions on Biomedical Engineering, 1998, 45, 342-353.	2.5	41
293	Nonlinear inverse dynamic models of gas sensing systems based on chemical sensor arrays for quantitative measurements. IEEE Transactions on Instrumentation and Measurement, 1998, 47, 644-651.	2.4	39
294	Convergence characteristics of two algorithms in non-linear stimulus artefact cancellation for electrically evoked potential enhancement. Medical and Biological Engineering and Computing, 1998, 36, 202-214.	1.6	13
295	Nonlinear identification methods for modeling biomedical systems. , 0, , .		1
296	Volterra series modeling of spatial light modulators. Applied Optics, 1998, 37, 7472.	2.1	2
297	Sensitivity Analysis of Kernel Estimates: Implications in Nonlinear Physiological System Identification. Annals of Biomedical Engineering, 1998, 26, 488-501.	1.3	14
298	Factors Affecting Volterra Kernel Estimation: Emphasis on Lung Tissue Viscoelasticity. Annals of Biomedical Engineering, 1998, 26, 103-116.	1.3	14
299	Nonlinear model predictive control of a continuous bioreactor at near-optimum conditions. , 1998, , .		8
300	2-Dimensional second-order interferometry for longitudinal magnetic resonance. Molecular Physics, 1998, 95, 1083-1089.	0.8	0
301	A computer simulation of free-range exercise in the laboratory. Journal of Applied Physiology, 1999, 87, 1386-1391.	1.2	8
302	Reduced-order models based on linear and nonlinear aerodynamic impulse responses., 1999,,.		51
303	Frequency glides in the impulse responses of auditory-nerve fibers. Journal of the Acoustical Society of America, 1999, 105, 2384-2391.	0.5	104
304	A model-based algorithm for blood glucose control in Type I diabetic patients. IEEE Transactions on Biomedical Engineering, 1999, 46, 148-157.	2.5	421
305	Decomposition of neural systems with nonlinear feedback using stimulus–response data. Neurocomputing, 1999, 26-27, 641-654.	3.5	5
306	Functional identification of the input-output transforms of mammalian motoneurones. Journal of Physiology (Paris), 1999, 93, 29-42.	2.1	9
307	Electronic noses: a review of signal processing techniques. IET Circuits, Devices and Systems, 1999, 146, 297.	0.6	172
308	NON-LINEAR PARAMETER ESTIMATION USING VOLTERRA AND WIENER THEORIES. Journal of Sound and Vibration, 1999, 221, 805-821.	2.1	21

#	Article	IF	CITATIONS
309	Precision analysis of estimated kernels of functional series model with binary input. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq0 0 0 r	gB ō ¦ O verl	oc b 10 Tf 50 1
310	Chapter 7 Models of Spike Encoding and their Use in the Interpretation of Motor unit Recordings in Man. Progress in Brain Research, 1999, 123, 83-98.	0.9	6
311	Issues in Design of Input Signals for the Identification of Nonlinear Models of Process Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 839-844.	0.4	0
312	Non-Linear System Identification Using Volterra Series Expansion. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 947-952.	0.4	0
313	Identification of the eye–brain–hand system with point processes: A new approach to simple reaction time Journal of Experimental Psychology: Human Perception and Performance, 2000, 26, 1675-1690.	0.7	6
314	CONVERGENCE ANALYSIS OF VOLTERRA SERIES RESPONSE OF NONLINEAR SYSTEMS SUBJECTED TO HARMONIC EXCITATION. Journal of Sound and Vibration, 2000, 236, 339-358.	2.1	40
315	A novel network for nonlinear modeling of neural systems with arbitrary point-process inputs. Neural Networks, 2000, 13, 255-266.	3.3	19
316	The interpretation of multifocal binary kernels. , 2000, 100, 49-75.		84
317	The estimation of Volterra transfer functions with applications to RF power amplifier behavior evaluation for CDMA digital communication. , 0 , , .		9
318	Calculation of Volterra Kernels for Solutions of Nonlinear Differential Equations. SIAM Journal on Applied Mathematics, 2000, 61, 1-21.	0.8	6
319	Spatial pooling in the second-order spatial structure of cortical complex cells. Vision Research, 2000, 40, 855-871.	0.7	34
320	Using Volterra mapping based behavioural models to evaluate ACI and cross modulation in CDMA communication systems. , 0, , .		4
321	Fast, Robust Identification of Nonlinear Physiological Systems Using an Implicit Basis Expansion. Annals of Biomedical Engineering, 2000, 28, 1116-1125.	1.3	6
322	Real-Time Intraoperative Neurophysiological Monitoring. Methods, 2001, 25, 272-287.	1.9	12
323	Brain-implantable biomimetic electronics as the next era in neural prosthetics. Proceedings of the IEEE, 2001, 89, 993-1012.	16.4	109
324	Imaging visual function with the multifocal m-sequence technique. Vision Research, 2001, 41, 1241-1255.	0.7	148
325	Auditory Space-Time Receptive Field Dynamics Revealed by Spherical White-Noise Analysis. Journal of Neuroscience, 2001, 21, 4408-4415.	1.7	47
326	A bibliography on nonlinear system identification. Signal Processing, 2001, 81, 533-580.	2.1	179

#	Article	IF	Citations
327	Volterra series modelling and compensation of non-linear distortions caused by susceptibility difference artefacts related to the presence of ferromagnetic implants in magnetic resonance imaging. Medical Engineering and Physics, 2001, 23, 207-215.	0.8	6
328	Topology of an Intracellular Transduction Chain (Phototropism of Phycomyces): 1. Joint Review of Functional, Temporal, and Spatial Aspects. Journal of Theoretical Biology, 2001, 211, 313-332.	0.8	0
329	Separable Least Squares Identification of Nonlinear Hammerstein Models: Application to Stretch Reflex Dynamics. Annals of Biomedical Engineering, 2001, 29, 707-718.	1.3	113
330	Title is missing!. Nonlinear Dynamics, 2001, 24, 285-304.	2.7	19
331	Input-output functions of mammalian motoneurons., 2001, 143, 137-263.		228
332	Generalized frequency response function matrix for MIMO non-linear systems. International Journal of Control, 2001, 74, 829-844.	1.2	140
333	Adaptive Sampling by Information Maximization. Physical Review Letters, 2002, 88, 228104.	2.9	22
334	Nonlinear system modelling: how to estimate the highest significant order. , 0, , .		0
335	Dynamic Pattern Recognition Methods and System Identification. , 0, , 293-324.		0
336	The Lee-Wiener legacy [statistical theory of communication]. IEEE Signal Processing Magazine, 2002, 19, 33-34.	4.6	5
337	Receptive field structure of neurons in monkey primary visual cortex revealed by stimulation with natural image sequences. Journal of Vision, 2002, 2, 2.	0.1	111
339	Changes in Nonlinear Signal Processing in Rat Hippocampus Associated with Loss of Paired-Pulse Inhibition or Epileptogenesis. Epilepsia, 2002, 43, 188-193.	2.6	84
340	Modeling of Nonlinear Physiological Systems with Fast and Slow Dynamics. I. Methodology. Annals of Biomedical Engineering, 2002, 30, 272-281.	1.3	45
341	Modeling of Nonlinear Physiological Systems with Fast and Slow Dynamics. II. Application to Cerebral Autoregulation. Annals of Biomedical Engineering, 2002, 30, 555-565.	1.3	96
342	Adaptation of the temporal receptive fields of macaque V1 neurons. Neurocomputing, 2003, 52-54, 135-140.	3.5	2
343	Method for functional MRI mapping of nonlinear response. NeuroImage, 2003, 19, 190-199.	2.1	26
344	New variations on the derivation of spectro-temporal receptive fields for primary auditory afferent axons. Hearing Research, 2003, 186, 30-46.	0.9	3
345	Estimating Nonlinearity Using Volterra Kernels in Feedback with Linear Models. , 2003, , .		9

#	ARTICLE	IF	CITATIONS
346	Dynamical mechanisms underlying contrast gain control in single neurons. Physical Review E, 2003, 68, 011901.	0.8	27
347	A Volterra approach to dynamic modeling of the visual cortex. , 0, , .		2
348	Nonspiking and Spiking Proprioceptors in the Crab: Nonlinear Analysis of Nonspiking TCMRO Afferents. Journal of Neurophysiology, 2003, 89, 1826-1836.	0.9	16
350	Nonspiking and Spiking Proprioceptors in the Crab: White Noise Analysis of Spiking CB-Chordotonal Organ Afferents. Journal of Neurophysiology, 2003, 89, 1815-1825.	0.9	20
351	Generalized Integrate-and-Fire Models of Neuronal Activity Approximate Spike Trains of a Detailed Model to a High Degree of Accuracy. Journal of Neurophysiology, 2004, 92, 959-976.	0.9	233
352	Volterra Kernel Identification Using Triangular Wavelets. JVC/Journal of Vibration and Control, 2004, 10, 597-622.	1.5	12
353	Characterization of dendrites as nonlinear computation devices. Neurocomputing, 2004, 58-60, 581-586.	3.5	3
354	Nonlinear reverse correlation with synthesized naturalistic noise. Neurocomputing, 2004, 58-60, 909-913.	3.5	1
355	Predicting spike times of a detailed conductance-based neuron model driven by stochastic spike arrival. Journal of Physiology (Paris), 2004, 98, 442-451.	2.1	13
356	Volterra system identification using adaptive genetic algorithms. Applied Soft Computing Journal, 2004, 5, 75-86.	4.1	13
357	Volterra Kernel Identification and Extrapolation for the F/A-18 Active Aeroelastic Wing. , 2004, , .		10
358	New variations on the derivation of spectro-temporal receptive fields for primary auditory afferent axons. Hearing Research, 2004, 189, 120-136.	0.9	20
359	Diagonal Kernel Point Estimation ofth-Order Discrete Volterra-Wiener Systems. Eurasip Journal on Advances in Signal Processing, 2004, 2004, 1.	1.0	8
360	Analyzing receptive fields, classification images and functional images: challenges with opportunities for synergy. Nature Neuroscience, 2005, 8, 1651-1656.	7.1	58
361	Identification of cubically nonlinear systems excited by bandpass inputs. IET Computer Vision, 2005, 152, 649.	1.3	1
362	Estimating Nonlinearity Using Volterra Kernels in Feedback with Linear Models. Nonlinear Dynamics, 2005, 39, 3-23.	2.7	17
363	Wiener-Kernel Analysis of Responses to Noise of Chinchilla Auditory-Nerve Fibers. Journal of Neurophysiology, 2005, 93, 3615-3634.	0.9	107
364	A Spatiotemporal White Noise Analysis of Photoreceptor Responses to UV and Green Light in the Dragonfly Median Ocellus. Journal of General Physiology, 2005, 126, 481-497.	0.9	27

#	Article	IF	CITATIONS
365	Neural System Identification. , 2005, , 367-388.		3
366	Contrast Adaptation in Subthreshold and Spiking Responses of Mammalian Y-Type Retinal Ganglion Cells. Journal of Neuroscience, 2005, 25, 860-868.	1.7	78
367	Contrast response of temporally sparse dichoptic multifocal visual evoked potentials. Visual Neuroscience, 2005, 22, 153-162.	0.5	37
368	Discrete time subharmonic modelling and analysis. International Journal of Control, 2005, 78, 1265-1284.	1.2	12
370	General methodology for nonlinear modeling of neural systems with Poisson point-process inputs. Mathematical Biosciences, 2005, 196, 1-13.	0.9	45
371	The role of spiking nonlinearity in contrast gain control and information transmission. Vision Research, 2005, 45, 583-592.	0.7	15
373	A Unifying View of Wiener and Volterra Theory and Polynomial Kernel Regression. Neural Computation, 2006, 18, 3097-3118.	1.3	104
374	Interpreting Microarray Data and Related Applications Using Nonlinear System Identification. , 0, , 25-53.		0
375	Estimating nonlinear receptive fields from natural images. Journal of Vision, 2006, 6, 11.	0.1	23
377	Multiwavelet Constructions and Volterra Kernel Identification. Nonlinear Dynamics, 2006, 43, 277-310.	2.7	28
378	Predicting spike timing of neocortical pyramidal neurons by simple threshold models. Journal of Computational Neuroscience, 2006, 21, 35-49.	0.6	246
379	The mapping of visual space by identified large second-order neurons in the dragonfly median ocellus. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2006, 192, 1105-1123.	0.7	32
380	High frequency edges (but not contrast) predict where we fixate: A Bayesian system identification analysis. Vision Research, 2006, 46, 2824-2833.	0.7	136
381	Volterra Kernel Extrapolation for Modeling Nonlinear Aeroelastic Systems at Novel Flight Conditions. Journal of Aircraft, 2007, 44, 149-162.	1.7	24
382	Functional Circuitry for Peripheral Suppression in Mammalian Y-Type Retinal Ganglion Cells. Journal of Neurophysiology, 2007, 97, 4327-4340.	0.9	48
384	Identification of Dynamic Nonlinear Systems using Computational Intelligence Techniques. , 2007, , .		0
385	Tailored Sequence Design for Third-Order Volterra Model Identification. Industrial & Engineering Chemistry Research, 2007, 46, 818-829.	1.8	3
386	A Nonlinear Model of Cardiac Autonomic Control in Obstructive Sleep Apnea Syndrome. Annals of Biomedical Engineering, 2007, 35, 1425-1443.	1.3	33

#	Article	IF	CITATIONS
387	Theoretical analysis of reverse-time correlation for idealized orientation tuning dynamics. Journal of Computational Neuroscience, 2008, 25, 401-438.	0.6	1
388	Cooperative Nonlinearities in Auditory Cortical Neurons. Neuron, 2008, 58, 956-966.	3.8	123
389	Dynamical hysteresis in communications: a Volterra functional approach. IET Signal Processing, 2008, 2, 75.	0.9	4
390	A computational intelligence technique for the identification of non-linear non-stationary systems. , 2008, , .		2
391	Wiener-Volterra Characterization of Neurons in Primary Auditory Cortex Using Poisson-Distributed Impulse Train Inputs. Journal of Neurophysiology, 2009, 101, 3031-3041.	0.9	15
392	Analytical Description of the Frequency Response Function of the Generalized Higher Order Duffing Oscillator Model. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 224-232.	3. 5	4
393	Volterra series for analyzing MLP based phoneme posterior estimator. , 2009, , .		4
394	A Novel Volterra High-Order Kernels Algorithm Based on Linear Space Projection. , 2009, , .		0
395	Conditional Bursting Enhances Resonant Firing in Neocortical Layer 2–3 Pyramidal Neurons. Journal of Neuroscience, 2009, 29, 1285-1299.	1.7	90
396	Multifocal pupillographic visual field testing in glaucoma. Clinical and Experimental Ophthalmology, 2009, 37, 678-686.	1.3	51
397	Nonlinear Influence of T-Channels in an <i>in silico</i> i>Relay Neuron. IEEE Transactions on Biomedical Engineering, 2009, 56, 1734-1743.	2.5	8
398	Parametric and non-parametric modeling of short-term synaptic plasticity. Part I: computational study. Journal of Computational Neuroscience, 2009, 26, 1-19.	0.6	45
399	Nonlinear Analysis of Physiological Control Systems. , 2009, , .		0
400	Nonlinear System Identification: An Effective Framework Based on the Karhunen–LoÃ^ve Transform. IEEE Transactions on Signal Processing, 2009, 57, 536-550.	3.2	26
401	Applications of a Novel Volterra Higher-Order Kernels Algorithm on Turbine Speed Control., 2009,,.		1
402	Nonlinear cross-frequency interactions in primary auditory cortex spectrotemporal receptive fields: a Wiener–Volterra analysis. Journal of Computational Neuroscience, 2010, 28, 285-303.	0.6	15
403	Tensor Analysis-Based Model Structure Determination and Parameter Estimation for Block-Oriented Nonlinear Systems. IEEE Journal on Selected Topics in Signal Processing, 2010, 4, 514-525.	7.3	25
404	Neural responses to uninterrupted natural speech can be extracted with precise temporal resolution. European Journal of Neuroscience, 2010, 31, 189-193.	1.2	243

#	Article	IF	Citations
405	Coding Characteristics of Spiking Local Interneurons During Imposed Limb Movements in the Locust. Journal of Neurophysiology, 2010, 103, 603-615.	0.9	10
406	Dichoptic Multifocal Pupillography Reveals Afferent Visual Field Defects in Early Type 2 Diabetes. , 2010, 51, 602.		44
407	Research and simulation of Volterra series kernel identification on wiener model. , 2010, , .		1
408	Nonlinearity of coding in primary auditory cortex of the awake ferret. Neuroscience, 2010, 165, 612-620.	1.1	2
409	Identification of fifth-order Volterra systems using i.i.d. inputs. IET Signal Processing, 2010, 4, 30.	0.9	15
410	Block-oriented Nonlinear System Identification. Lecture Notes in Control and Information Sciences, 2010, , .	0.6	354
411	Research of nonlinear dynamical system identification based on Volterra series model., 2010,,.		2
412	Colaborative Activities of Layered Neural Network. , 2011, , .		1
413	Peripheral vision and pattern recognition: A review. Journal of Vision, 2011, 11, 13.	0.1	584
414	Classification images: A review. Journal of Vision, 2011, 11, 2-2.	0.1	139
415	Formulation and calibration of higher-order elastic localization relationships using the MKS approach. Acta Materialia, 2011, 59, 4595-4605.	3.8	66
416	Fast orthogonal decomposition of Volterra cubic kernels using oblique unfolding., 2011,,.		5
418	The Volterra-Wiener approach in neuronal modeling. , 2011, 2011, 5912-5.		2
419	Receptive Field Inference with Localized Priors. PLoS Computational Biology, 2011, 7, e1002219.	1.5	76
420	Information Processing Capacity of Dynamical Systems. Scientific Reports, 2012, 2, 514.	1.6	242
421	Computationally Efficient, Fully Coupled Multiscale Modeling of Materials Phenomena Using Calibrated Localization Linkages. ISRN Materials Science, 2012, 2012, 1-13.	1.0	22
422	Stimulus Parameters for Multifocal Pupillographic Objective Perimetry. Journal of Glaucoma, 2012, 21, 571-578.	0.8	11
423	A New Method for Determining the Generalised Frequency Response Functions of Nonlinear Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 3005-3014.	3.5	5

#	ARTICLE	IF	CITATIONS
424	Resonance in neocortical neurons and networks. European Journal of Neuroscience, 2012, 36, 3698-3708.	1.2	19
425	Contrast-response functions of the multifocal steady-state VEP (MSV). Clinical Neurophysiology, 2012, 123, 1865-1871.	0.7	11
427	Nonlinear identification of unsteady heat transfer of a cylinder in pulsating cross flow. Computers and Fluids, 2012, 53, 1-14.	1.3	30
428	Estimating second-order Volterra system parameters from noisy measurements based on an LMS variant or an errors-in-variables method. Signal Processing, 2012, 92, 1010-1020.	2.1	29
429	Nonlinear Stochastic System Identification of Skin Using Volterra Kernels. Annals of Biomedical Engineering, 2013, 41, 847-862.	1.3	8
430	Nonlinear System Identification by Haar Wavelets. Lecture Notes in Statistics, 2013, , .	0.1	15
431	Identification Goal. Lecture Notes in Statistics, 2013, , 13-16.	0.1	0
432	Haar Orthogonal Bases. Lecture Notes in Statistics, 2013, , 17-41.	0.1	0
433	A system identification analysis of neural adaptation dynamics and nonlinear responses in the local reflex control of locust hind limbs. Journal of Computational Neuroscience, 2013, 34, 39-58.	0.6	4
434	Spike-triggered covariance: geometric proof, symmetry properties, and extension beyond Gaussian stimuli. Journal of Computational Neuroscience, 2013, 34, 137-161.	0.6	39
435	A nonlinear autoregressive Volterra model of the Hodgkin–Huxley equations. Journal of Computational Neuroscience, 2013, 34, 163-183.	0.6	19
436	Hammerstein Systems. Lecture Notes in Statistics, 2013, , 5-11.	0.1	0
437	Identification Algorithms. Lecture Notes in Statistics, 2013, , 43-75.	0.1	0
438	Computational Algorithms. Lecture Notes in Statistics, 2013, , 77-93.	0.1	0
441	Key computational modeling issues in Integrated Computational Materials Engineering. CAD Computer Aided Design, 2013, 45, 4-25.	1.4	267
443	A Variational Bayesian Learning Approach for Nonlinear Acoustic Echo Control. IEEE Transactions on Signal Processing, 2013, 61, 5853-5867.	3.2	16
445	Vector Operations in Neural Networks Computations. , 2013, , .		0
447	Improving the approximation ability of Volterra series identified with a cross-correlation method. Nonlinear Dynamics, 2014, 78, 2861-2869.	2.7	35

#	Article	IF	CITATIONS
448	Simulation of nonlinear bridge aerodynamics: A sparse third-order Volterra model. Journal of Sound and Vibration, 2014, 333, 178-188.	2.1	32
449	Nonlinear identification of the total baroreflex arc. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R1479-R1489.	0.9	12
450	Understanding spike-triggered covariance using Wiener theory for receptive field identification. Journal of Vision, 2015, 15, 16.	0.1	16
451	Identifying Odd/Even-Order Binary Kernel Slices for a Nonlinear System Using Inverse Repeat m-Sequences. Computational and Mathematical Methods in Medicine, 2015, 2015, 1-9.	0.7	2
452	A nonlinear analysis framework for bluff-body aerodynamics: A Volterra representation of the solution of Navier-Stokes equations. Journal of Fluids and Structures, 2015, 54, 479-502.	1.5	33
453	Nonlinear damping and quasi-linear modelling. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140402.	1.6	77
454	System identification of point-process neural systems using Probability Based Volterra kernels. Journal of Neuroscience Methods, 2015, 240, 179-192.	1.3	12
455	A New and Fast Characterization of Multiple Encoding Properties of Auditory Neurons. Brain Topography, 2015, 28, 379-400.	0.8	6
456	Nonlinear Systems. , 2016, , 87-112.		1
457	Asymmetric Neural Networks with Gabor Filters. , 2016, , .		0
458	The materials innovation ecosystem: A key enabler for the Materials Genome Initiative. MRS Bulletin, 2016, 41, 326-337.	1.7	71
459	Volterra-series-based nonlinear system modeling and its engineering applications: A state-of-the-art review. Mechanical Systems and Signal Processing, 2017, 87, 340-364.	4.4	134
460	Training of digital predistortion based on signal-to-distortion-ratio measurements., 2017,,.		1
461	Application of Asymmetric Networks to Motion Detection and Generating Independent Subspaces. , 2017, , .		0
462	Noise Attenuation Estimation for Maximum Length Sequences in Deconvolution Process of Auditory Evoked Potentials. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-9.	0.7	2
464	Analysis of the power flow in nonlinear oscillators driven by random excitation using the first Wiener kernel. Journal of Sound and Vibration, 2018, 412, 256-269.	2.1	3
465	Identification of Volterra Models of Tube Audio Devices using Multiple-Variance Method. AES: Journal of the Audio Engineering Society, 2018, 66, 823-838.	0.8	19
466	A Background Spread-Spectrum Radio Frequency Nonlinear Parameter Measurement Technique. IEEE Transactions on Signal Processing, 2018, 66, 4516-4526.	3.2	1

#	Article	IF	CITATIONS
467	Orthogonal LIP Nonlinear Filters. , 2018, , 15-46.		7
468	Wiener Series. , 2018, , 493-528.		0
469	Poisson–Wiener Series. , 2018, , 529-560.		0
470	Practical realization of discrete-time Volterra series for high-order nonlinearities. Nonlinear Dynamics, 2019, 98, 2309-2325.	2.7	9
471	Introducing the Orthogonal Periodic Sequences for the Identification of Functional Link Polynomial Filters. , 2019, , .		3
472	A new multiple-point grade estimation method by implicit volterra series. Computers and Geosciences, 2019, 129, 69-81.	2.0	2
473	Estimation of impulse response functions in two-output systems. Communications in Statistics - Theory and Methods, 2020, 49, 257-280.	0.6	1
474	Orthogonal Periodic Sequences for the Identification of Functional Link Polynomial Filters. IEEE Transactions on Signal Processing, 2020, 68, 5308-5321.	3.2	12
475	Quantification of temporal variability of vertical soil moisture movement through an unsaturated zone. Advances in Water Resources, 2020, 145, 103752.	1.7	2
476	Ground-truth "resting-state―signal provides data-driven estimation and correction for scanner distortion of fMRI time-series dynamics. NeuroImage, 2021, 227, 117584.	2.1	7
477	Identification of Wiener–Hammerstein systems by ℓ1–constrained Volterra series. European Journal of Control, 2021, 58, 53-59.	1.6	2
478	Physiological noise modeling in fMRI based on the pulsatile component of photoplethysmograph. Neurolmage, 2021, 242, 118467.	2.1	12
479	A Species Comparison of Linear and Nonlinear Transfer Characteristics of Primary Afferents Innervating the Semicircular Canal., 1981,, 280-316.		18
480	Form and Function: Linear and Nonlinear Analyses of Neural Networks in the Visual System. , 1980 , , $73-142$.		3
481	Second-Order Admittance in Squid Axon. , 1981, , 37-63.		6
482	Electron Microscopic in Cellular and Molecular Biology. , 1983, 9, 1-236.		25
483	Volterra-Wiener Analysis of a Class of Nonlinear Feedback Systems and Application to Sensory Biosystems., 1989,, 1-52.		5
484	Identification of Intensive Nonlinearities in Cascade Models of Visual Cortex and its Relation to Cell Classification., 1989,, 97-111.		22

#	Article	IF	CITATIONS
485	Modeling of Neuronal Networks Through Experimental Decomposition. , 1989, , 113-128.		12
486	Theoretical Decomposition of Neuronal Networks. , 1989, , 129-146.		6
487	The Geometry of System Identification: Fractal Dimension and Integration Formulae. , 1989, , 147-164.		1
488	Fast Orthogonal Algorithms for Nonlinear System Identification and Time-Series Analysis. , 1989, , 165-177.		29
489	A System Transfer Function for Visual Evoked Potentials. , 1979, , 69-82.		8
490	Nonlinear Modeling of Physiological Systems Using Principal Dynamic Modes. , 1994, , 1-27.		12
491	On Kernel Estimation Using Non-Gaussian and/or Non-White Input Data. , 1994, , 229-242.		2
492	Experimental Basis for an Input/Output Model of the Hippocampal Formation. , 1994, , 29-53.		6
493	Computational Methods of Neuronal Network Decomposition. , 1994, , 55-86.		4
494	An Extension of the M-Sequence Technique for the Analysis of Multi-Input Nonlinear Systems. , 1994, , 87-110.		13
495	Identification of Multiple-Input Nonlinear Systems Using Non-White Test Signals., 1994,, 163-178.		8
496	Nonlinear System Modelling and Analysis from the Volterra and Wiener Perspective. Lecture Notes in Control and Information Sciences, 2010, , 13-24.	0.6	7
497	Distinctive Features of Asymmetric Neural Networks with Gabor Filters. Lecture Notes in Computer Science, 2018, , 185-196.	1.0	4
498	Vibration Communication in Vertebrates. , 2001, , 127-148.		9
499	On optimal nonlinear associative recall. Biological Cybernetics, 1975, 19, 201-209.	0.6	10
500	The identification of nonlinear biological systems: LNL cascade models. Biological Cybernetics, 1986, 55, 125-134.	0.6	175
501	Calculation of the Volterra kernels of non-linear dynamic systems using an artificial neural network. Biological Cybernetics, 1994, 71, 187-195.	0.6	39
502	NEURAL REPRESENTATION OF SENSORY STIMULI AND SENSORY INTERPRETATION OF NEURAL ACTIVITY., 1981, , 103-125.		6

#	Article	IF	Citations
503	Nonlinear Hydrologic Analysis. Advances in Hydroscience, 1973, 9, 203-251.	0.7	32
504	Nonlinear Incoherent Spectroscopy: Noisy. Advances in Magnetic and Optical Resonance, 1992, 17, 1-46.	1.7	18
506	Reverse Correlation and the VESPA Method. , 2009, , 1-20.		1
507	A Method for Identifying Volterra Kernels of Nonlinear System. Transactions of the Society of Instrument and Control Engineers, 1995, 31, 1054-1060.	0.1	8
508	Identification and Modeling of Nonlinear Dynamical Systems Using Volterra Functional Series. Transactions of the Society of Instrument and Control Engineers, 1969, 5, 368-377.	0.1	1
509	The use of a Laguerrian expansion basis as Volterra kernels for the efficient modeling of nonlinear self-excited forces on bridge decks. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 219, 104805.	1.7	10
510	A Non-Linear Technique for Diagnosing Spur Gear Tooth Fatigue Cracks. , 2001, , 399-410.		0
511	Investigating the Synaptic Control of Human Motoneurons. Frontiers in Neuroscience, 2001, , 106-132.	0.0	0
513	Block Structured Modelling in the Study of the Stretch Reflex. Lecture Notes in Control and Information Sciences, 2010, , 385-402.	0.6	0
514	Non-Parametric Identification of Rotor-Bearing System through Volterra-Wiener Theories. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2011, , 309-320.	0.1	1
515	Development of Ultrawideband Communications Systems and Radar Systems., 2012,, 23-70.		0
517	Vector Operations in Neural Network Computations. International Journal of Software Innovation, 2013, 1, 40-52.	0.3	3
519	Wiener's Theory of Nonlinear Analysis as Applied to Information Processing in the Nervous System. Seibutsu Butsuri, 1980, 20, 215-226.	0.0	1
520	Wiener展é–∢. Seibutsu Butsuri, 1981, 21, 135-144.	0.0	0
521	Role and Use of Noise in Biological Systems. Lecture Notes in Biomathematics, 1982, , 111-120.	0.3	0
522	Field adaptation in the horizontal cells. Rushtonian transformation Nippon Medical School Journal, 1985, 52, 281-291.	0.1	2
523	Applying the Karhunen-Lo^ ^egrave;ve Expansion to Measurement of the Volterra Kernels. Transactions of the Society of Instrument and Control Engineers, 1986, 22, 610-615.	0.1	2
524	R@-System â€" The Software System for Real Biomedical Data Acquisition and Processing with Regard to Clinic and Research. , 1988, , 207-217.		0

#	Article	IF	CITATIONS
525	Sparse-stimulation and Wiener Kernels., 1992,, 47-53.		0
526	Parameter Estimation Methods. Mathematical Modelling: Theory and Applications, 1999, , 199-398.	0.2	0
527	Nonlinearity in Modal Analysis. , 1999, , 569-597.		1
528	Methods and Tools for Identification of Physiologic Systems. The Electrical Engineering Handbook, 1999, , .	0.2	0
529	Motion Detection in Asymmetric Neural Networks. Lecture Notes in Computer Science, 2016, , 409-417.	1.0	4
530	Application of Asymmetric Networks to Movement Detection and Generating Independent Subspaces. Communications in Computer and Information Science, 2017, , 267-278.	0.4	2
531	Comparison of Asymmetric and Symmetric Neural Networks with Gabor Filters. Communications in Computer and Information Science, 2018, , 252-263.	0.4	0
532	Behavioral modeling of VCSELs for high-speed optical interconnects. , 2018, , .		4
533	Modulation nonlinearity characterization for rate-equation-based diode lasers using cross-correlation-calculation-enabled behavioral modeling. Optics Letters, 2020, 45, 4284.	1.7	0
534	TRACKING PERFORMANCE WITH VARYING ERROR-CRITERIA. , 1983, , 391-398.		1
535	Nonlinear Pre-Distortion Based on Indirect Learning Architecture and Cross-Correlation-Enabled Behavioral Modeling for 120-Gbps Multimode Optical Interconnects. , 2020, , .		0
536	Dimensionality Reduction of Volterra Kernels by Tensor Decomposition using Higher-Order SVD. , 2020, , .		0
539	Identification of nonlinear systems using random impulse train inputs. Biological Cybernetics, 1975, 19, 217-230.	0.6	36
540	Neural Computations by Asymmetric Networks with Nonlinearities. Lecture Notes in Computer Science, 2007, , 37-45.	1.0	10
541	The identification of building structural systems. Bulletin of the Seismological Society of America, 1976, 66, 125-151.	1.1	24
542	Third-order reverse correlation analysis of muscle spindle primary afferent fiber responses to random muscle stretch. Biological Cybernetics, 1995, 74, 9-20.	0.6	0
543	System analysis of Phycomyces light-growth response with gaussian white-noise test stimuli. Biological Cybernetics, 1986, 55, 91-98.	0.6	8
544	The identification of building structural systems. Bulletin of the Seismological Society of America, 1976, 66, 153-171.	1.1	14

#	ARTICLE	IF	CITATIONS
546	Scalable Variational Inference for Low-Rank Spatiotemporal Receptive Fields. Neural Computation, 2023, 35, 995-1027.	1.3	1
549	Introducing an Electrochemical Impedance Spectroscopy Methodology based on Volterra Filters. , 2023, , .		0
550	Using Data-Driven Methods to Advance Knowledge of Social Face Perception., 2023,, 286-307.		0
551	Introducing Stochastic Functional Link Polynomial Filters. , 2023, , .		0