Theo Gasser

List of Publications by Year
in descending order

93 papers	6,849 citations	71097 41 h-index	60616 81 g-index
99 all docs	99 docs citations	99 times ranked	4401 citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison of pubertal maturity and growth. Annals of Human Biology, 2013, 40, 341-347.	1.0	21
2	Non-parametric Regression. , 2012, , 908-916.		0
3	High-Intensity Training Increases Spontaneous Physical Activity in Children: A Randomized Controlled Study. Journal of Pediatrics, 2010, 156, 242-246.	1.8	24
4	Development of motor speed and associated movements from 5 to 18 years. Developmental Medicine and Child Neurology, 2010, 52, 256-263.	2.1	52
5	Non-parametric Regression. , 2010, , 908-916.		0
6	Neuromotor performance of normally developing left-handed children and adolescents. Human Movement Science, 2009, 28, 809-817.	1.4	19
7	Structural components in functional data. Computational Statistics and Data Analysis, 2009, 53, 3452-3465.	1.2	7
8	Association between Short Sleeping Hours and Physical Activity in Boys Playing Ice Hockey. Journal of Pediatrics, 2008, 153, 640-645.e1.	1.8	9
9	Alzheimer disease versus mixed dementias: An EEG perspective. Clinical Neurophysiology, 2008, 119, 2255-2259.	1.5	39
10	Reliability of the Zurich Neuromotor Assessment. Clinical Neuropsychologist, 2008, 22, 60-72.	2.3	31
11	Quantitative reference curves for associated movements in children and adolescents. Developmental Medicine and Child Neurology, 2007, 49, 608-614.	2.1	19
12	Correction of muscle artefacts in the EEG power spectrum. Clinical Neurophysiology, 2005, 116, 2044-2050.	1.5	35
13	Nonparametric measures of variance explained. Journal of Nonparametric Statistics, 2005, 17, 765-776.	0.9	3
14	Kernel estimation, shape-invariant modelling and structural analysis. , 2004, , 179-204.		13
15	Self-modelling warping functions. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2004, 66, 959-971.	2.2	96
16	Simple component analysis. Journal of the Royal Statistical Society Series C: Applied Statistics, 2004, 53, 539-555.	1.0	41
17	Modelling neuromotor ratings with floor-effects. Statistics in Medicine, 2004, 23, 3641-3653.	1.6	12
18	Growth hormone and body composition in children younger than 2 years with Prader-Willi syndrome. Journal of Pediatrics, 2004, 144, 753-758.	1.8	31

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19	Confidence Intervals for Intraclass Correlation in Inter-Rater Reliability. Scandinavian Journal of Statistics, 2003, 30, 617-624.	1.4	16
20	EEG Power and Coherence in Children with Educational Problems. Journal of Clinical Neurophysiology, 2003, 20, 273-282.	1.7	48
21	Assessing intrarater, interrater and test-retest reliability of continuous measurements. Statistics in Medicine, 2002, 21, 3431-3446.	1.6	311
22	Neuromotor development from 5 to 18 years. Part 1: timed performance. Developmental Medicine and Child Neurology, 2001, 43, 436.	2.1	180
23	Neuromotor development from 5 to 18 years. Part 1: timed performance. Developmental Medicine and Child Neurology, 2001, 43, 436-443.	2.1	12
24	Data Adaptive Ridging in Local Polynomial Regression. Journal of Computational and Graphical Statistics, 2000, 9, 338.	1.7	30
25	Data Adaptive Ridging in Local Polynomial Regression. Journal of Computational and Graphical Statistics, 2000, 9, 338-360.	1.7	33
26	Body Composition Abnormalities in Children with Prader-Willi Syndrome and Long-Term Effects of Growth Hormone Therapy. Hormone Research in Paediatrics, 2000, 53, 200-206.	1.8	53
27	Synchronizing sample curves nonparametrically. Annals of Statistics, 1999, 27, 439.	2.6	41
28	Asymptotic and bootstrap confidence bounds for the structural average of curves. Annals of Statistics, 1998, 26, .	2.6	10
29	Alignment of curves by dynamic time warping. Annals of Statistics, 1997, 25, 1251.	2.6	206
30	Local Polynomial Regression: Optimal Kernels and Asymptotic Minimax Efficiency. Annals of the Institute of Statistical Mathematics, 1997, 49, 79-99.	0.8	89
31	Advances in Nonparametric Function Estimation. Lecture Notes in Statistics, 1996, , 173-184.	0.2	0
32	The analysis of the EEG. Statistical Methods in Medical Research, 1996, 5, 67-99.	1.5	21
33	Development of fat tissue and body mass index from infancy to adulthood. Pediatric Nephrology, 1996, 10, 340-342.	1.7	12
34	Finite-Sample Variance of Local Polynomials: Analysis and Solutions. Journal of the American Statistical Association, 1996, 91, 267-275.	3.1	93
35	Variance Properties of Local Polynomials and Ensuing Modifications. Contributions To Statistics, 1996, , 50-79.	0.2	11
36	TESTING EQUALITY OF VARIANCES FOR PAIRED TIME SERIES. Journal of Time Series Analysis, 1995, 16, 165-176.	1.2	1

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37	A Bandwidth Selector for Bivariate Kernel Regression. Journal of the Royal Statistical Society Series B: Methodological, 1995, 57, 171-180.	0.7	12
38	A minimax result for a class of nonparametric density estimators. Journal of Nonparametric Statistics, 1995, 4, 327-334.	0.9	2
39	Searching for Structure in Curve Samples. Journal of the American Statistical Association, 1995, 90, 1179-1188.	3.1	79
40	Searching for Structure in Curve Sample. Journal of the American Statistical Association, 1995, 90, 1179.	3.1	39
41	Fast Algorithms for Nonparametric Curve Estimation. Journal of Computational and Graphical Statistics, 1994, 3, 192-213.	1.7	32
42	An iterative bandwidth selector for kernel estimation of densities and their derivatives. Journal of Nonparametric Statistics, 1994, 4, 21-34.	0.9	33
43	Quantitative EEG analysis in early onset Alzheimer's disease: correlations with severity, clinical characteristics, visual EEG and CCT. Electroencephalography and Clinical Neurophysiology, 1994, 90, 267-272.	0.3	95
44	Fast Algorithms for Nonparametric Curve Estimation. Journal of Computational and Graphical Statistics, 1994, 3, 192.	1.7	22
45	Quantitative EEG analysis in early onset Alzheimer's disease: a controlled study. Electroencephalography and Clinical Neurophysiology, 1993, 86, 15-22.	0.3	115
46	Locally Adaptive Bandwidth Choice for Kernel Regression Estimators. Journal of the American Statistical Association, 1993, 88, 1302-1309.	3.1	128
47	12 Nonparametric function estimation. Handbook of Statistics, 1993, , 423-465.	0.6	8
48	Locally Adaptive Bandwidth Choice for Kernel Regression Estimators. Journal of the American Statistical Association, 1993, 88, 1302.	3.1	44
49	Choice of bandwidth for kernel regression when residuals are correlated. Biometrika, 1992, 79, 783-795.	2.4	99
50	Statistical Tools to Analyze Data Representing a Sample of Curves. Annals of Statistics, 1992, 20, 1266.	2.6	181
51	A law of the iterated logarithm for kernel estimators of regression functions. Probability Theory and Related Fields, 1992, 93, 285-296.	1.8	2
52	Hypofrontality on topographic EEG in schizophrenia. European Archives of Psychiatry and Clinical Neuroscience, 1992, 241, 328-332.	3.2	95
53	The deleterious effect of ocular artefacts on the quantitative EEG, and a remedy. European Archives of Psychiatry and Clinical Neuroscience, 1992, 241, 352-356.	3.2	66
54	Analysing curves using kernel estimators. Pediatric Nephrology, 1991, 5, 447-450.	1.7	7

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55	A Flexible and Fast Method for Automatic Smoothing. Journal of the American Statistical Association, 1991, 86, 643-652.	3.1	198
56	Analysis of Samples of Curves. , 1991, , 99-110.		1
57	A Flexible and Fast Method for Automatic Smoothing. Journal of the American Statistical Association, 1991, 86, 643.	3.1	66
58	Data-Adaptive Kernel Estimation. , 1991, , 67-79.		2
59	Pubertal Growth in Chronic Renal Failure. Pediatric Research, 1990, 28, 5-6.	2.3	120
60	The choice of weights in kernel regression estimation. Biometrika, 1990, 77, 377-381.	2.4	29
61	Discussion: Linear Smoothers and Additive Models. Annals of Statistics, 1989, 17, 532.	2.6	10
62	Novel Approaches to the Problem of Latency Jitter. Psychophysiology, 1988, 25, 217-226.	2.4	54
63	Development of the EEG of school-age children and adolescents. I. Analysis of band power. Electroencephalography and Clinical Neurophysiology, 1988, 69, 91-99.	0.3	351
64	Development of the EEG of school-age children and adolescents II. Topography. Electroencephalography and Clinical Neurophysiology, 1988, 69, 100-109.	0.3	153
65	CT scans and neuroleptic response in schizophrenia: A multidimensional approach. Psychiatry Research, 1988, 26, 293-303.	3.3	22
66	A Unifying Approach to Nonparametric Regression Estimation. Journal of the American Statistical Association, 1988, 83, 1084-1089.	3.1	52
67	Convergence and Consistency Results for Self-Modeling Nonlinear Regression. Annals of Statistics, 1988, 16, 82.	2.6	66
68	VISUAL EVOKED POTENTIALS OF MILDLY MENTALLY RETARDED AND CONTROL CHILDREN. Developmental Medicine and Child Neurology, 1988, 30, 638-645.	2.1	14
69	A Unifying Approach to Nonparametric Regression Estimation. Journal of the American Statistical Association, 1988, 83, 1084.	3.1	19
70	Trial-to-Trial Variability of Single Potentials: Methodological Concepts and Results. International Journal of Neuroscience, 1987, 33, 25-32.	1.6	22
71	The intra-individual reproducibility of flash-evoked potentials in a sample of children. International Journal of Psychophysiology, 1987, 5, 135-143.	1.0	12
72	EEG coherence at rest and during a visual task in two groups of children. Electroencephalography and Clinical Neurophysiology, 1987, 67, 151-158.	0.3	82

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73	Variable latencies of noisy signals: Estimation and testing in brain potential data. Biometrika, 1987, 74, 525-533.	2.4	99
74	Does filtering and smoothing of average evoked potentials really pay? a statistical comparison. Electroencephalography and Clinical Neurophysiology, 1986, 64, 469-480.	0.3	33
75	The Correction of EOG Artifacts by Frequency Dependent and Frequency Independent Methods. Psychophysiology, 1986, 23, 704-712.	2.4	77
76	Residual variance and residual pattern in nonlinear regression. Biometrika, 1986, 73, 625-633.	2.4	416
77	Performance and Measures of Performance for Estimators of Brain Potentials Using Real Data. IEEE Transactions on Biomedical Engineering, 1986, BME-33, 949-956.	4.2	14
78	The Analysis of Noisy Signals by Nonparametric Smoothing and Differentiation. IEEE Transactions on Biomedical Engineering, 1986, BME-33, 1129-1133.	4.2	20
79	Amplitude Probability Distribution of Noise for Flash-Evoked Potentials and Robust Response Estimates. IEEE Transactions on Biomedical Engineering, 1986, BME-33, 579-584.	4.2	17
80	An analysis of the mid-growth and adolescent spurts of height based on acceleration. Annals of Human Biology, 1985, 12, 129-148.	1.0	111
81	Multidimensional analysis of the concentrations of 17 substances in the CSF of schizophrenics and controls. Biological Psychiatry, 1985, 20, 360-366.	1.3	71
82	Test-retest reliability of spectral parameters of the EEG. Electroencephalography and Clinical Neurophysiology, 1985, 60, 312-319.	0.3	245
83	The transfer of EOG activity into the EEG for eyes open and closed. Electroencephalography and Clinical Neurophysiology, 1985, 61, 181-193.	0.3	164
84	Variability of single visual evoked potentials evaluated by two new statistical tests. Electroencephalography and Clinical Neurophysiology, 1984, 57, 571-580.	0.3	74
85	How to select epochs of the EEG at rest for quantitative analysis. Electroencephalography and Clinical Neurophysiology, 1984, 58, 89-92.	0.3	74
86	Nonparametric Regression Analysis of Growth Curves. Annals of Statistics, 1984, 12, 210.	2.6	142
87	Testing for Homogeneity of Noisy Signals Evoked by Repeated Stimuli. Annals of Statistics, 1984, 12, 193.	2.6	28
88	Topographic factor analysis of the EEG with applications to development and to mental retardation. Electroencephalography and Clinical Neurophysiology, 1983, 55, 445-463.	0.3	35
89	Graphical representation of multidimensional EEG data and classificatory aspects. Electroencephalography and Clinical Neurophysiology, 1983, 55, 609-612.	0.3	14
90	SELAVCO: A method to deal with trial-to-trial variability of evoked potentials. Electroencephalography and Clinical Neurophysiology, 1983, 55, 717-723.	0.3	56

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91	Transformations towards the normal distribution of broad band spectral parameters of the EEG. Electroencephalography and Clinical Neurophysiology, 1982, 53, 119-124.	0.3	546
92	Correction of EOG Artifacts in Event-Related Potentials of the EEG: Aspects of Reliability and Validity. Psychophysiology, 1982, 19, 472-480.	2.4	171
93	Modification of the EEG Time Constant by Digital Filtering. Psychophysiology, 1982, 19, 237-240.	2.4	7