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An information-maximization approach to blind separation and blind deconvolution

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2232	. **1996**, 13, 24-49		89
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2230	Temporal decorrelation using teacher forcing anti-Hebbian learning and its application in adaptive blind source separation.		3
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2226	An Objective Function for Independence.		4
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2224	A temporal model of linear anti-Hebbian learning. **1996**, 4, 139-148		18
2223	Emergence of simple-cell receptive field properties by learning a sparse code for natural images. **1996**, 381, 607-9		3599
2222	A stochastic natural gradient descent algorithm for blind signal separation.		1
2221	New geometrical approach for blind separation of sources mapped to a neural network.		
2220	Learning the higher-order structure of a natural sound. **1996**, 7, 261-266		46
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2213	Faithful Representation of Separable Distributions. *Neural Computation*, **1997**, 9, 1305-1320	2.9	54

2212	Redundancy Reduction and Independent Component Analysis: Conditions on Cumulants and Adaptive Approaches. *Neural Computation*, **1997**, 9, 1421-1456	2.9	25
2211	Adaptive separation of an unknown number of sources.		2
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2209	Neural dual extended Kalman filtering: applications in speech enhancement and monaural blind signal separation.		16
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2192	Observer of the Human Cardiac Sympathetic Nerve Activity Using Blind Source Separation and Genetic Algorithm Optimization.	4
2191	A first application of independent component analysis to extracting structure from stock returns. **1997**, 8, 473-84	158
2190	Least-squares methods for blind source separation based on nonlinear PCA. **1997**, 8, 601-12	20
2189	Blind separation of auditory event-related brain responses into independent components. **1997**, 94, 10979-84	887
2188	Signal transcoding by nonlinear sensory neurons: Information-entropy maximization, optimal transfer function, and anti-Hebbian adaptation. **1997**, 14, 227-239	
2187	Independent component analysis by the information-theoretic approach with mixture of densities.	5
2186	From neural principal components to neural independent components. **1997**, 517-528	2
2185	Improving the performance of infomax using statistical signal processing techniques. **1997**, 535-540	1
2184	Blind separation of surface EMG signals.	
2183	Blind separation of multiple speakers in a multipath environment.	36
2182	Statistical Principles of Source Separation. **1997**, 30, 9-16	3
2181	A competitive neural network for blind separation of sources based on geometric properties. **1997**, 1095-1106	1
2180	Learning as Extraction of Low-Dimensional Representations. **1997**, 36, 353-380	17
2179	Blind source separation of real world signals.	46
2178	Blind source separation and tracking using nonlinear PCA criterion: a least-squares approach.	6
2177	Bayesian Ying-Yang learning based ICA models.	3

2176	Feature extraction approach to blind source separation.		9
2175	Blind signal deconvolution by spatio-temporal decorrelation and demixing.		5
2174	What is the "true price"? state space models for high frequency FX data.		3
2173	Blind source separation and deconvolution by dynamic component analysis.		5
2172	A Local Learning Rule That Enables Information Maximization for Arbitrary Input Distributions. *Neural Computation*, **1997**, 9, 1661-1665	2.9	42
2171	Maximizing the information transfer for adaptive unsupervised source separation.		8
2170	One-unit contrast functions for independent component analysis: a statistical analysis.		31
2169	On the relationship between blind deconvolution and blind source separation.		5
2168	Information backpropagation for blind separation of sources in nonlinear mixture.		4
2167	Blind source separation with noisy sources.		
2166	Multichannel blind separation and deconvolution of sources with arbitrary distributions.		18
2165	Blind source separation: are information maximization and redundancy minimization different?.		0
2164	Neural network based processing for smart sensors arrays. **1997**, 565-570		3
2163	A blind signal separation method for multiuser communications. **1997**, 45, 1343-1348		54
2162	Normal bases expansion of the discrete cosine transform. **1997**, 45, 1348-1350		1
2161	Blind source separation-semiparametric statistical approach. **1997**, 45, 2692-2700		140
2160	Neural networks for blind decorrelation of signals. **1997**, 45, 2829-2842		47
2159	A class of neural networks for independent component analysis. **1997**, 8, 486-504		228

2158	Generalised independent component analysis through unsupervised learning with emergent Bussgang properties.		8
2157	Auditory grouping. **1997**, 1, 327-33		179
2156	Processing of natural time series of intensities by the visual system of the blowfly. **1997**, 37, 3407-16		165
2155	The "independent components" of natural scenes are edge filters. **1997**, 37, 3327-38		1395
2154	Sparse coding with an overcomplete basis set: a strategy employed by V1?. **1997**, 37, 3311-25		2196
2153	Structure detection: a statistically certified unsupervised learning procedure. **1997**, 37, 3343-65		3
2152	Adaptive Online Learning Algorithms for Blind Separation: Maximum Entropy and Minimum Mutual Information. *Neural Computation*, **1997**, 9, 1457-1482	2.9	197
2151	Infomax and maximum likelihood for blind source separation. **1997**, 4, 112-114		417
2150	A family of fixed-point algorithms for independent component analysis.		53
2149	A neural network approach to blind source separation.		2
2148	Neural network models and the visual cortex: the missing link between orientation selectivity and the natural environment. **1997**, 228, 155-8		5
2147	In vitro plasticity of the direct feedback pathway in the electrosensory system of Apteronotus leptorhynchus. **1997**, 78, 1882-9		25
2146	Views on how the electrical activity that the brain generates reflects the functions of different language structures. **1997**, 34, 383-98		121
2145	Extraction of ocular artefacts from EEG using independent component analysis. **1997**, 103, 395-404		454
2144	A Fast Fixed-Point Algorithm for Independent Component Analysis. *Neural Computation*, **1997**, 9, 1483-1492	2.9	2105
2143	A Neural Network for PCA and Beyond. **1997**, 6, 33-41		50
2142	A Constrained Generative Model Applied to Face Detection. **1997**, 5, 11-19		4
2141	Blind source separation with convolutive noise cancellation. **1997**, 6, 127-141		2

2140	Stability Analysis of Learning Algorithms for Blind Source Separation. **1997**, 10, 1345-1351	192
2139	An extended exploratory projection pursuit network with linear and nonlinear anti-hebbian lateral connections applied to the cocktail party problem. **1997**, 10, 1607-1618	18
2138	Neural computation methods and applications: Summary talk of the AI session. **1997**, 389, 381-387	3
2137	Modified Herault□utten Algorithms for Blind Separation of Sources. **1997**, 7, 80-93	19
2136	Classification by Density Intersection. **1998**, 8, 1-8	
2135	The Latent Variable Data Model for Exploratory Data Analysis and Visualisation: A Generalisation of the Nonlinear Infomax Algorithm. **1998**, 8, 27-39	3
2134	A Spurious Equilibria-free Learning Algorithm for the Blind Separation of Non-zoer Skewness Signals. **1998**, 7, 61-68	8
2133	Addressing misallocation of variance in principal components analysis of event-related potentials. **1998**, 11, 43-55	118
2132	Simultaneous encoding of tactile information by three primate cortical areas. **1998**, 1, 621-30	161
2131	Neural net approach for blind separation of sources based on geometric properties. **1998**, 18, 141-164	30
2130	Developments of the generative topographic mapping. **1998**, 21, 203-224	134
2129	The nonlinear PCA criterion in blind source separation: Relations with other approaches. **1998**, 22, 5-20	65
2128	Blind separation of convolved mixtures in the frequency domain. **1998**, 22, 21-34	470
2127	Blind source separation using algorithmic information theory. **1998**, 22, 35-48	34
2126	Independent component analysis in the presence of Gaussian noise by maximizing joint likelihood. **1998**, 22, 49-67	100
2125	Learned parametric mixture based ICA algorithm. **1998**, 22, 69-80	51
2124	Bayesian Kullback Ying□ang dependence reduction theory. **1998**, 22, 81-111	28
2123	Robust techniques for independent component analysis (ICA) with noisy data. **1998**, 22, 113-129	57

2122	Removing artifacts from electrocardiographic signals using independent components analysis. **1998**, 22, 173-186	120
2121	From neural learning to independent components. **1998**, 22, 187-199	8
2120	A nonlinear model of the binaural cocktail party effect. **1998**, 22, 201-215	5
2119	Independent component analysis: source assessment and separation, a Bayesian approach. **1998**, 145, 149	45
2118	Analysis of fMRI data by blind separation into independent spatial components. **1998**, 6, 160-88	1334
2117	Independent component analysis of fMRI data: examining the assumptions. **1998**, 6, 368-72	355
2116	Principal component neural networks □Theory and applications. **1998**, 1, 74-75	5
2115	A new method for detecting state changes in the EEG: exploratory application to sleep data. **1998**, 7 Suppl 1, 48-56	36
2114	Information□theoretic approach to blind separation of sources in non-linear mixture. **1998**, 64, 291-300	107
2113	Independent component analysis by general nonlinear Hebbian-like learning rules. **1998**, 64, 301-313	161
2112	A neural learning algorithm for blind separation of sources based on geometric properties. **1998**, 64, 315-331	22
2111	On-line blind equalization via on-line blind separation. **1998**, 68, 271-281	17
2110	Blind signal separation: statistical principles. **1998**, 86, 2009-2025	990
2109	Unsupervised neural network learning for blind sources separation.	1
2108	Maximum entropy approach to probability density estimation.	1
2107	A kernel based approach to maximum entropy mappings.	
2106	BYY dependence reduction theory and blind source separation.	
2105	Blind signal flattening using warping neural modules.	4

2104	Blind source separation of EEG data using matched filters.		1
2103	Natural Gradient Works Efficiently in Learning. *Neural Computation*, **1998**, 10, 251-276	2.9	1330
2102	Visualizing differences in movies of cortical activity.		4
2101	The effect of signal non-stationarity on the performance of information-maximisation-based blind separation.		
2100	Adaptive unsupervised extraction of one component of a linear mixture with a single neuron. **1998**, 9, 123-38		18
2099	Flexible independent component analysis.		6
2098	Noisy independent component analysis, maximum likelihood estimation, and competitive learning.		3
2097	A flexible non-linearity and decorrelating manifold approach to ICA.		0
2096	Blind deconvolution/equalization using state-space models.		3
2095	Information maximization and independent component analysis; is there a difference?. *Neural Computation*, **1998**, 10, 2085-101	2.9	22
2094	Probability Density Estimation Using Entropy Maximization. *Neural Computation*, **1998**, 10, 1925-1938	2.9	10
2093	.		2
2092	What drives stock returns?-an independent component analysis.		0
2091	Removing electroencephalographic artifacts: comparison between ICA and PCA.		42
2090	Adaptation to textured chromatic fields. **1998**, 15, 23-32		16
2089	Independent component analysis of natural image sequences yields spatio-temporal filters similar to simple cells in primary visual cortex. **1998**, 265, 2315-20		225
2088	Adaptive algorithms for channel equalization with soft decision feedback. **1998**, 16, 1660-1669		11
2087	Structured audio: creation, transmission, and rendering of parametric sound representations. **1998**, 86, 922-940		35

2086	Neural networks for intelligent multimedia processing. **1998**, 86, 1244-1272		36
2085	Adaptive blind signal processing-neural network approaches. **1998**, 86, 2026-2048		249
2084	Bias removal technique for blind source separation with noisy measurements. **1998**, 34, 1379		15
2083	A common neural-network model for unsupervised exploratory data analysis and independent component analysis. **1998**, 9, 1495-501		26
2082	Independent component analysis applied to electrogram classification during atrial fibrillation.		3
2081	Independent component analysis: extrema-correspondence properties for higher-order moment functions.		0
2080	An alternative perspective on adaptive independent component analysis algorithms. *Neural Computation*, **1998**, 10, 2103-14	2.9	75
2079	Receptive Field Formation in Natural Scene Environments. Comparison of Single-Cell Learning Rules. *Neural Computation*, **1998**, 10, 1797-1813	2.9	38
2078	Synaptic delay learning in pulse-coupled neurons. *Neural Computation*, **1998**, 10, 555-65	2.9	24
2077	Differential Hebbian-type learning algorithms for decorrelation and independent component analysis. **1998**, 34, 900		5
2076	Combining time-delayed decorrelation and ICA: towards solving the cocktail party problem.		3
2075	Further reduced form of Karhunen-Loeve transform for text independent speaker recognition. **1998**, 34, 1380		7
2074	Formulation and algorithms for blind signal recovery.		
2073	A Learning Theorem for Networks at Detailed Stochastic Equilibrium. *Neural Computation*, **1998**, 10, 1157-1178	2.9	12
2072	Constrained optimization for neural map formation: a unifying framework for weight growth and normalization. *Neural Computation*, **1998**, 10, 671-716	2.9	24
2071	Blind Source Separation and Deconvolution: The Dynamic Component Analysis Algorithm. *Neural Computation*, **1998**, 10, 1373-1424	2.9	65
2070	.		
2069	Adaptive step size techniques for decorrelation and blind source separation.		18

2068	Eigenvalue problem approach to the blind source separation: Optimization with a reference signal. **1998**, 58, 4872-4882	5
2067	A fixed-point algorithm for independent component analysis which uses a priori information.	
2066	A methodology for information theoretic feature extraction.	25
2065	Feasibility of source separation in frequency domain.	3
2064	Speech enhancement based on second-order architecture and maximum entropy algorithm.	
2063	A novel measure for independent component analysis (ICA).	1
2062	On the stability of source separation algorithms.	3
2061	Relationships between instantaneous blind source separation and multichannel blind deconvolution.	7
2060	Exploring the time-frequency microstructure of speech for blind source separation.	
2059	Blind separation of linear convolutive mixtures through parallel stochastic optimization.	11
2058	Application of concave/Schur-concave functions to the learning of overcomplete dictionaries and sparse representations.	1
2057	Joint spatiotemporal statistical analysis of functional MRI data.	5
2056	A neural network for the blind separation of non-Gaussian sources.	1
2055	Design of estimation/deflation approaches to independent component analysis.	0
2054	Nonlinear feedforward networks with stochastic outputs: infomax implies redundancy reduction. **1998**, 9, 207-217	13
2053	Generalization and exclusive allocation of credit in unsupervised category learning. **1998**, 9, 279-302	2
2052	Application of the principal wavelet component in pattern classification. **1998**, 3391, 194	1
2051	Developmental patterns in the cytoarchitecture of the human cerebral cortex from birth to 6 years examined by correspondence analysis. **1998**, 95, 4023-8	67

2050	Blind Signal Separation. **1998**, 10, 394-400	1
2049	Spatially independent activity patterns in functional MRI data during the stroop color-naming task. **1998**, 95, 803-10	366
2048	Chapter 20: GFP Biofluorescence: Imaging Gene Expression and Protein Dynamics in Living Cells. **1998**, 343-367	5
2047	Temporal models in blind source separation. **1998**, 229-247	2
2046	Extraction of independent components from hybrid mixture: KuicNet learning algorithm and applications.	5
2045	Independent component representations for face recognition. **1998**, 3299, 528	106
2044	Least statistically dependent basis and its application to image modeling. **1998**,	3
2043	Continuous speech segmentation determined by blind source separation. **1998**, 3391, 396	2
2042	Interaction of GABAB-mediated inhibition with voltage-gated currents of pyramidal cells: computational mechanism of a sensory searchlight. **1998**, 80, 3197-213	40
2041	Unsupervised Hebbian learning in neural networks. **1998**,	
2040	Independent component analysis of human brain waves. **1999**, 238-247	
2039	Continuous functional magnetic resonance imaging reveals dynamic nonlinearities of "dose-response" curves for finger opposition. **1999**, 19, RC17	26
2038	Functionally independent components of the late positive event-related potential during visual spatial attention. **1999**, 19, 2665-80	329
2037	Neural Nets for Speech Processing. **1999**,	2
2036	Two spatio-temporal decorrelation learning algorithms and their application to multichannel blind deconvolution. **1999**,	3
2035	A fast algorithm for estimating overcomplete ICA bases for image windows.	14
2034	'Mechanical' neural learning and InfoMax orthonormal independent component analysis.	0
2033	Blind signal separation for convolutive mixing environments using spatial-temporal processing. **1999**,	1

2032	Autoregressive signal separation approach with seesaw-mapping technique on temporal source separation.	
2031	Dynamic signal mixtures and blind source separation. **1999**,	
2030	On subband-based blind separation for noisy speech recognition.	
2029	An ICA algorithm with adaptive-learned polynomial nonlinearity for signal separation.	
2028	Independent component analysis for remote sensing study. **1999**,	19
2027	. **1999**,	9
2026	Early vision image analyses using ICA in unsupervised learning ANN.	
2025	Generative network explains category formation in Alzheimer patients.	
2024	An efficient architecture for independent component analysis.	
2023	Blind separation of convolutive mixtures.	2
2022	Temporal Bayesian Ying-Yang dependence reduction, blind source separation and principal independent components.	6
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2020	Data mining, unsupervised learning and Bayesian ying-yang theory.	
2019	Application of independent component analysis to handwritten Japanese character recognition.	0
2018	Robust extraction of input function from H/sub 2//sup 15/O dynamic myocardial positron emission tomography using independent component analysis.	
2017	Voice signal extraction for enhanced speech quality in noisy vehicle environments.	1
2016	Maximum likelihood blind source separation in Gaussian noise.	
2015	APPROACHES FOR BLIND SEPARATION OF SOURCES BASED ON MULTIVARIATE DENSITY ESTIMATION. **1999**, 09, 243-253	

2014	Independent component analysis of textures. **1999**,		28
2013	Learning algorithm for independent component analysis by geodesic flows on orthogonal group.		13
2012	Application of independent component analysis to feature extraction of speech.		1
2011	Subband-based blind signal separation for noisy speech recognition. **1999**, 35, 2011		31
2010	A stochastic self-organizing map for proximity data. *Neural Computation*, **1999**, 11, 139-55	2.9	57
2009	Feature extraction through LOCOCODE. *Neural Computation*, **1999**, 11, 679-714	2.9	43
2008	Blind separation of a mixture of uniformly distributed source signals: A novel approach. *Neural Computation*, **1999**, 11, 1011-34	2.9	8
2007	Adaptive calibration of imaging array detectors. *Neural Computation*, **1999**, 11, 1281-96	2.9	
2006	Variational learning in nonlinear gaussian belief networks. *Neural Computation*, **1999**, 11, 193-213	2.9	27
2005	Independent factor analysis. *Neural Computation*, **1999**, 11, 803-51	2.9	312
2004	Separating reflections and lighting using independent components analysis.		68
2003	A local face statistics recognition methodology beyond ICA and/or PCA.		4
2002	Nonlinear methods for clustering and reduction of dimensionality.		0
2001	Contrast adaptation and infomax in visual cortical neurons. **1999**, 10, 181-200		29
2000	Artifact processing in computerized analysis of sleep EEG - a review. **1999**, 40, 150-7		105
1999	Natural gradient learning for over- and under-complete bases In ICA. *Neural Computation*, **1999**, 11, 1875-83	2.9	108
1998	Transformed component analysis: joint estimation of spatial transformations and image components. **1999**,		35
1997	Separation of an overlapped signal using speech production models.		

1996	Components of brain activity - data analysis for fMRI. **1999**,		
1995	Independent component analysis: A flexible nonlinearity and decorrelating manifold approach. *Neural Computation*, **1999**, 11, 1957-83	2.9	57
1994	An experimental comparison of neural algorithms for independent component analysis and blind separation. **1999**, 9, 99-114		55
1993	Thermodynamics energy for both supervised and unsupervised learning neural nets at a constant temperature. **1999**, 9, 175-86		5
1992	An introduction to information theoretic learning.		8
1991	Independent component analyses for quantifying neuronal ensemble interactions. **1999**, 94, 141-54		61
1990	Optimal separation of independent narrow-band sources: Concept and performance. **1999**, 73, 27-47		28
1989	Stochastic gradient adaptive algorithms for blind source separation. **1999**, 75, 11-27		5
1988	A sound source identification system for ensemble music based on template adaptation and music stream extraction. **1999**, 27, 337-349		40
1987	Harmonic sound stream segregation using localization and its application to speech stream segregation. **1999**, 27, 209-222		35
1986	Uncorrelated component analysis for blind source separation. **1999**, 18, 225-239		9
1985	Learning the parts of objects by non-negative matrix factorization. **1999**, 401, 788-91		7561
1984	How voltage-dependent conductances can adapt to maximize the information encoded by neuronal firing rate. **1999**, 2, 521-7		176
1983	The Fixed-Point Algorithm and Maximum Likelihood Estimation for Independent Component Analysis. **1999**, 10, 1-5		123
1982	Sparse Representations for Image Decompositions. **1999**, 33, 139-156		11
1981	Spatially fixed patterns account for the spike and wave features in absence seizures. **1999**, 12, 107-16		26
1980	Blind signal separation based on ME and statistical estimation. **1999**, 16, 165-171		
1979	Observer of the human cardiac sympathetic nerve activity using noncausal blind source separation. **1999**, 46, 322-30		15

1978	Neural networks for blind separation with unknown number of sources. **1999**, 24, 55-93		60
1977	Local cortical injections of glutamate and noradrenaline alter high-frequency (245 Hz) neuronal activity in rat cortex. **1999**, 26-27, 123-130		
1976	Sparse code shrinkage: denoising of nongaussian data by maximum likelihood estimation. *Neural Computation*, **1999**, 11, 1739-68	2.9	256
1975	Fast and robust fixed-point algorithms for independent component analysis. **1999**, 10, 626-34		3794
1974	Neural implementation of the JADE-algorithm. **1999**, 487-496		5
1973	Nonlinear ICA through low-complexity autoencoders.		
1972	Blind source separation by new M-WARP algorithm. **1999**, 35, 269		4
1971	Mechanical neural learning for blind source separation. **1999**, 35, 1963		6
1970	Natural gradient algorithm for blind separation of overdetermined mixture with additive noise. **1999**, 6, 293-295		73
1969	An empirical method to select dominant independent components in ICA for time series analysis.		5
1968	Fast ICA for noisy data using Gaussian moments.		27
1967	Blind separation of temporomandibular joint sound signals. **1999**,		3
1966	Blind equalization of a noisy channel by linear neural network. **1999**, 10, 918-24		12
1965	Geometrical structures of FIR manifold and their application to multichannel blind deconvolution.		4
1964	Prewhitened blind source separation with orthogonality constraints.		1
1963	. **1999**, 1, 19-25		2
1962	Computing portfolio risk using Gaussian mixtures and independent component analysis.		2
1961	Blind separation of uniformly distributed signals: a general approach. **1999**, 10, 1173-85		4

1960	An MA model based blind source separation algorithm.		
1959	Data analysis, visualization, and hidden factor discovery by unsupervised learning.		2
1958	Independent component analysis using an extended infomax algorithm for mixed subgaussian and supergaussian sources. *Neural Computation*, **1999**, 11, 417-41	2.9	1236
1957	Classifying Facial Actions. **1999**, 21, 974		560
1956	Analyse de sﾨies temporelles gﾮphysiques et thﾮrie de l'information: L'analyse en composantes indpendantes. **1999**, 328, 569-575		
1955	Blind source separation from hybrid mixture based on nonlinear InfoMax approach.		
1954	Source separation in post-nonlinear mixtures. **1999**, 47, 2807-2820		238
1953	. **1999**, 16, 16-31		6
1952	Plurality and resemblance in fMRI data analysis. **1999**, 10, 282-303		112
1951	A unifying review of linear gaussian models. *Neural Computation*, **1999**, 11, 305-45	2.9	441
1950	Functionally independent components of early event-related potentials in a visual spatial attention task. **1999**, 354, 1135-44		66
1949	Statistical limitations in functional neuroimaging. I. Non-inferential methods and statistical models. **1999**, 354, 1239-60		93
1948	The clinical and functional measurement of cortical (in)activity in the visual brain, with special reference to the two subdivisions (V4 and V4 alpha) of the human colour centre. **1999**, 354, 1371-82		62
1947	Blind source separation of more sources than mixtures using overcomplete representations. **1999**, 6, 87-90		240
1946	High-order contrasts for independent component analysis. *Neural Computation*, **1999**, 11, 157-92	2.9	744
1945	Superefficiency in blind source separation. **1999**, 47, 936-944		25
1944	Equivariant adaptive selective transmission. **1999**, 47, 1223-1231		1
1943	Isolation of epileptiform discharges from unaveraged EEG by independent component analysis. **1999**, 110, 1755-63		86

1942 Probabilistic framework for the adaptation and comparison of image codes. **1999**, 16, 1587 173

1941 Separating reflections from images by use of independent component analysis. **1999**, 16, 2136-45 91

1940 Discrimination of optical sources by use of adaptive blind source separation theory. **1999**, 38, 1115-26 4

1939 On the indeterminacies of convolutive blind signal separation based on second order statistics. 1

1938 Blind source separation by dynamic graphical models. **1999**, 2

1937 Blind de-mixing real-time algorithm of piecewise time series mixture.

1936 Multichannel blind deconvolution of non-minimum phase systems using information backpropagation. 2

1935 Computational model of the entorhinal-hippocampal region derived from a single principle. 1

1934 Nonlinear blind source separation by pattern repulsion. **1999**, 674-682

1933 Processing images by semi-linear predictability minimization. **1999**, 10, 133-169 2

1932 Generalized anti-Hebbian learning for source separation. **1999**,

1931 SENSORY CODING: INFORMATION MAXIMIZATION AND REDUNDANCY REDUCTION. **1999**, 164-171 3

1930 EEG-based cognitive task classification with ICA and neural networks. **1999**, 265-272 1

1929 Conditional entropy minimization in neural network classifiers.

1928 Entropy optimization by the PFANN network: application to blind source separation. **1999**, 10, 171-186 1

1927 Computational study of experience-dependent plasticity in adult rat cortical barrel-column. **1999**, 10, 303-323 8

1926 Minimum entropy algorithms for source separation.

1925 Learning the face space-representation and recognition.

1924	Learning classes of efficient codes. **2000**,	
1923	Ranking ICA bases by associative memory recalls of training texture samples. **2000**, 4056, 515	
1922	Blind signal separation in teleconferencing using ICA mixture model. **2000**, 36, 680	23
1921	Blind source separation by sparse decomposition. **2000**, 4056, 165	8
1920	Independent component analysis by evolutionary neural networks. **2000**, 3962, 83	1
1919	Appearance-based three-dimensional object recognition using independent component analysis. **2000**, 4044, 19	
1918	Local ICA for the Most Wanted face recognition. **2000**,	2
1917	Evaluation of blind signal separation method using directivity pattern under reverberant conditions.	50
1916	An improved cumulant-based blind speech separation method.	
1915	A simple threshold nonlinearity for blind separation of sub-Gaussian signals.	5
1914	Using independent component analysis & dynamical embedding to isolate seizure activity in the EEG.	1
1913	Pattern recognition: Historical perspective and future directions. **2000**, 11, 101-116	16
1912	AVIS: a connectionist-based framework for integrated auditory and visual information processing. **2000**, 123, 127-148	8
1911	The architecture of the colour centre in the human visual brain: new results and a review. **2000**, 12, 172-93	296
1910	Neural networks and the separation of cosmic microwave background and astrophysical signals in sky maps. **2000**, 318, 769-780	75
1909	Independent component analysis approach to resolve the multi-source limitation of the nutating rising-sun reticle based optical trackers. **2000**, 176, 77-89	8
1908	Combining independent component analysis and correlation analysis to probe interregional connectivity in fMRI task activation datasets. **2000**, 18, 921-30	150
1907	Independent component analysis for noisy data--MEG data analysis. **2000**, 13, 1063-74	86

1906	Independence: a new criterion for the analysis of the electromagnetic fields in the global brain?. **2000**, 13, 891-907	37
1905	A unifying information-theoretic framework for independent component analysis. **2000**, 39, 1-21	148
1904	Blind source separation with time-dependent mixtures. **2000**, 80, 2187-2194	4
1903	Transpose properties in the stability and performance of the classic adaptive algorithms for blind source separation and deconvolution. **2000**, 80, 1807-1822	9
1902	Computation by neural networks. **2000**, 3 Suppl, 1170	5
1901	Independent component analysis: algorithms and applications. **2000**, 13, 411-30	4920
1900	Blind source separation in the presence of weak sources. **2000**, 13, 589-96	16
1899	Blind signal processing by the adaptive activation function neurons. **2000**, 13, 597-611	33
1898	Localization of brain activity □blind separation for fMRI data. **2000**, 32-33, 701-708	11
1897	Blind source separation of multichannel neuromagnetic responses. **2000**, 32-33, 1115-1120	27
1896	Some global and local convergence analysis on the information-theoretic independent component analysis approach. **2000**, 30, 79-102	10
1895	Selective attention system using new active noise controller. **2000**, 31, 197-204	6
1894	Artifact reduction in magnetoneurography based on time-delayed second-order correlations. **2000**, 47, 75-87	91
1893	Blind signal separation from optical imaging recordings with extended spatial decorrelation. **2000**, 47, 573-7	47
1892	Extraction of event-related signals from multichannel bioelectrical measurements. **2000**, 47, 583-8	52
1891	Independent component approach to the analysis of EEG and MEG recordings. **2000**, 47, 589-93	496
1890	Independent component analysis of noninvasively recorded cortical magnetic DC-fields in humans. **2000**, 47, 594-9	49
1889	Independent component analysis for EEG source localization. **2000**, 19, 87-96	90

1888	Flexible Independent Component Analysis. **2000**, 26, 25-38	83
1887	Learning from Examples with Information Theoretic Criteria. **2000**, 26, 61-77	81
1886	Blind Source Separation for Non-Stationary Mixing. **2000**, 26, 15-23	5
1885	Regularization Networks and Support Vector Machines. **2000**, 13, 1-50	643
1884	Statistical pattern recognition: a review. **2000**, 22, 4-37	3578
1883	A global geometric framework for nonlinear dimensionality reduction. **2000**, 290, 2319-23	8186
1882	Properties of basis functions generated by shift invariant sparse representations of natural images. **2000**, 83, 111-8	9
1881	Speech enhancement with MAP estimation and ICA-based speech features. **2000**, 36, 1506	8
1880	Quantitative evaluation of techniques for ocular artefact filtering of EEG waveforms. **2000**, 147, 219-228	41
1879	Nonlinear approaches to Independent Component Analysis. **2000**,	10
1878	Functional Maps and Brain Networks. **2000**, 111-139	4
1877	An online algorithm for blind source separation with Gaussian mixture model.	0
1876	An iterative inversion approach to blind source separation. **2000**, 11, 1423-37	37
1875	Biologically Motivated Computer Vision. **2000**,	12
1874	An ensemble learning approach to independent component analysis.	10
1873	10.1162/153244303768966085. **2000**, 1,	158
1872	Decomposition algorithms for analysing brain signals.	1
1871	From adaptive linear to information filtering.	2

1870	Estimating functions of independent component analysis for temporally correlated signals. *Neural Computation*, **2000**, 12, 2083-107	2.9	24
1869	Nonlinear blind separation using an RBF network model.		
1868	ICA for noisy neurobiological data. **2000**,		1
1867	Redundancy reduction: a new criterion for blind separation of signals.		
1866	ICA-NN based data fusion approach in ECT signal restoration. **2000**,		3
1865	A fundamental trial on independent component analysis under the introduction of fuzzy theory.		
1864	Adaptive processing of blind source separation through 'ICA with OS'.		
1863	An adaptive spline non-linear function for blind signal processing.		3
1862	Kalman filter and state-space approach to blind deconvolution.		1
1861	The neural basis of romantic love. **2000**, 11, 3829-34		702
1860	Novel blind source separation algorithms using cumulants.		7
1859	Low complexity adaptive nonlinear function for blind signal separation. **2000**,		3
1858	A new blind separation approach based on blind localization.		
1857	An application of independent component analysis in the arbitrage pricing theory. **2000**,		2
1856	Independent component analysis applied to feature extraction from colour and stereo images. **2000**, 11, 191-210		84
1855	Rival Penalized Competitive Learning based approach for discrete-valued source separation. **2000**, 10, 483-90		3
1854	Blind extraction of singularly mixed source signals. **2000**, 11, 1413-22		29
1853	Linear and nonlinear ICA based on mutual information.		7

1852	Ensemble Learning for Blind Image Separation and Deconvolution. **2000**, 123-141		66
1851	FOCUSS-based dictionary learning algorithms. **2000**, 4119, 459		7
1850	Unsupervised signature extraction and separation in hyperspectral images: a noise-adjusted fast independent component analysis approach. **2000**, 39, 897		55
1849	A semi-parametric hybrid neural model for nonlinear blind signal separation. **2000**, 10, 79-93		2
1848	Multiple Classifier Systems. **2000**,		18
1847	Artificial Neural Networks in Medicine and Biology. **2000**,		10
1846	Fuzzy Systems and Soft Computing in Nuclear Engineering. **2000**,		5
1845	Separating style and content with bilinear models. *Neural Computation*, **2000**, 12, 1247-83	2.9	498
1844	APPENDIX. A computer model of the Land Mondrian retinex experiment. **2000**, 12, 191-3		
1843	Optical Imaging: A Review. **2000**, 11, 26		2
1842	Self-stabilized gradient algorithms for blind source separation with orthogonality constraints. **2000** , 11, 1490-7		37
1841	Independent component-cross correlation-sequential epoch (ICS) analysis of high field fMRI time series: direct visualization of dual representation of the primary motor cortex in human. **2000**, 37, 237-44		34
1840	Looking at people: sensing for ubiquitous and wearable computing. **2000**, 22, 107-119		228
1839	ICA mixture models for unsupervised classification of non-Gaussian classes and automatic context switching in blind signal separation. **2000**, 22, 1078-1089		92
1838	On the INFOMAX algorithm for blind signal separation.		0
1837	Signal separation by independent component analysis based on a genetic algorithm.		3
1836	Blind signal separation by an evolutionary neural network with higher-order statistics.		
1835	A kurtosis-based blind separation of sources using the Cayley transform.		2

1834	Detection of consistently task-related activations in fMRI data with hybrid independent component analysis. **2000**, 11, 24-35		127
1833	A principal components-based method for the detection of neuronal activity maps: application to optical imaging. **2000**, 11, 313-25		31
1832	Principal component analysis and blind separation of sources for optical imaging of intrinsic signals. **2000**, 11, 482-90		54
1831	Spectroscopic analysis of neural activity in brain: increased oxygen consumption following activation of barrel cortex. **2000**, 12, 664-75		125
1830	Using dynamical embedding to isolate seizure components in the ictal EEG. **2000**, 147, 315-320		6
1829	Blind source separation using clustering-based multivariate density estimation algorithm. **2000**, 48, 575-579		8
1828	Inferring the eigenvalues of covariance matrices from limited, noisy data. **2000**, 48, 2083-2091		56
1827	Temporal BYY learning for state space approach, hidden Markov model, and blind source separation. **2000**, 48, 2132-2144		47
1826	A natural basis for efficient brain-actuated control. **2000**, 8, 208-11		52
1825	Brain-computer interfaces based on the steady-state visual-evoked response. **2000**, 8, 211-4		448
1824	Independent component analysis of multivariate time series: Application to the tropical SST variability. **2000**, 105, 17437-17455		44
1823	Independent component analysis for financial time series.		10
1822	Nonholonomic orthogonal learning algorithms for blind source separation. *Neural Computation*, **2000**, 12, 1463-84	2.9	61
1821	Estimating function approach to multichannel blind deconvolution.		
1820	Properties of independent components of self-motion optical flow.		3
1819	Modified BSS algorithms including prior statistical information about mixing matrix.		
1818	Code-length-based universal extraction for blind signal separation.		3
1817	A hybrid information maximisation (HIM) algorithm for optimal feature selection from multi-channel data.		0

1816	Local stability analysis of flexible independent component analysis algorithm.		
1815	Blind separation of disjoint orthogonal signals: demixing N sources from 2 mixtures.		102
1814	Basic research for coloring multichannel MRI data.		2
1813	Optimal feature selection using information maximisation: case of biomedical data.		4
1812	Convolutive blind separation of non-stationary sources. **2000**, 8, 320-327		454
1811	Removal of eye activity artifacts from visual event-related potentials in normal and clinical subjects. **2000**, 111, 1745-58		927
1810	Learning overcomplete representations. *Neural Computation*, **2000**, 12, 337-65	2.9	723
1809	The labile brain. III. Transients and spatio-temporal receptive fields. **2000**, 355, 253-65		26
1808	The Independence Assumption: Dependent Component Analysis. **2000**, 63-71		3
1807	Imaging Brain Dynamics Using Independent Component Analysis. **2001**, 89, 1107-1122		339
1806	Detection of transient, randomly occurring neuropsychological events with independent component analysis. **2001**, 13, 138		
1805	Investigation of marinol (THC) effects upon fMRI activation during active and passive driving using independent component analysis and SPM. **2001**, 13, 388		4
1804	Separation of spikes from background by independent component analysis with dipole modeling and comparison to intracranial recording. **2001**, 112, 405-13		56
1803	Blind source separation by sparse decomposition in a signal dictionary. *Neural Computation*, **2001**, 13, 863-82	2.9	521
1802	Blind Source Separation of Single Components from Linear Mixtures. **2001**, 509-514		3
1801	Independent component analysis applied to fMRI data: a generative model for validating results.		4
1800	A variational method for learning sparse and overcomplete representations. *Neural Computation*, **2001**, 13, 2517-32	2.9	113
1799	MPEG-7 sound-recognition tools. **2001**, 11, 737-747		64

1798	Blind source separation using Renyi's mutual information. **2001**, 8, 174-176	87
1797	A comparison of auditory and blind separation techniques for speech segregation. **2001**, 9, 189-195	28
1796	Chromatic structure of natural scenes. **2001**, 18, 65-77	64
1795	Techniques for long-term multisite neuronal ensemble recordings in behaving animals. **2001**, 25, 121-50	122
1794	Signal source separation in the analysis of neural activity in brain. **2001**, 13, 447-58	53
1793	A global estimator unbiased by local changes. **2001**, 13, 1193-206	25
1792	Mapping transient, randomly occurring neuropsychological events using independent component analysis. **2001**, 14, 1432-43	29
1791	fMRI activation in a visual-perception task: network of areas detected using the general linear model and independent components analysis. **2001**, 14, 1080-8	229
1790	An optimization approach to signal extraction from noisy multivariate data. **2001**, 14, 1309-26	54
1789	A globally convergent approach for blind MIMO adaptive deconvolution. **2001**, 49, 1166-1178	27
1788	Information-theoretic analysis of interscale and intrascale dependencies between image wavelet coefficients. **2001**, 10, 1647-58	155
1787	An attempt for coloring multichannel MR imaging data. **2001**, 7, 265-274	10
1786	Independent component analysis at the neural cocktail party. **2001**, 24, 54-63	171
1785	Dynamic texture recognition.	144
1784	.	16
1783	Nonlinear blind source separation using a radial basis function network. **2001**, 12, 124-34	89
1782	A new independent component analysis (ICA) method and its application to SAR images.	1
1781	Event-related brain response abnormalities in autism: evidence for impaired cerebello-frontal spatial attention networks. **2001**, 11, 127-45	134

1780	Model-based statistical signal processing using electromagnetic induction data for landmine detection and classification.	2
1779	BYY harmony learning, independent state space, and generalized APT financial analyses. **2001**, 12, 822-49	48
1778	A fMRI data analysis method using a fast infomax-based ICA algorithm.	
1777	A neural network facial expression recognition system using unsupervised local processing.	12
1776	Efficient source adaptivity in independent component analysis. **2001**, 12, 559-66	37
1775	Fast-convergence algorithm for ICA-based blind source separation using array signal processing.	6
1774	Audio- and Video-Based Biometric Person Authentication. **2001**,	6
1773	A proof of the non-existence of universal nonlinearities for blind signal separation.	
1772	Dual auto-regressive modelling approach to Gaussian process identification. **2001**,	3
1771	Wavelet-based image estimation: an empirical Bayes approach using Jeffrey's noninformative prior. **2001**, 10, 1322-31	156
1770	Independent component analysis using Potts models. **2001**, 12, 202-11	12
1769	Mean square error analyses of adaptive blind source separation algorithms.	1
1768	A probabilistic derivation of the partial least-squares algorithm. **2001**, 41, 288-94	19
1767	Face Recognition Using Independent Component Analysis and Support Vector Machines ?. **2001**, 59-64	4
1766	Competing ICA techniques in biomedical signal analysis.	2
1765	Recording and analyzing high-density event-related potentials with infants. Using the Geodesic sensor net. **2001**, 19, 295-323	62
1764	Blind source separation of audio signals using improved ICA method.	1
1763	Three deadly sins of category learning modelers. **2001**, 24, 687-688	5

1762 Shepard's pie: The other half. **2001**, 24, 700-700

1761 Introduction. **2001**, 1-70 1

1760 Extending Bayesian concept learning to deal with representational complexity and adaptation. **2001**, 24, 685-686

1759 Preface. **2001**, vii-x

1758 ICA, graphical models and variational methods. **2001**, 95-112 5

1757 Nonlinear ICA. **2001**, 113-134 6

1756 Separation of non-stationary natural signals. **2001**, 135-157 12

1755 Separation of non-stationary sources: algorithms and performance. **2001**, 158-180 3

1754 Blind source separation by sparse decomposition in a signal dictionary. **2001**, 181-208 29

1753 Image processing methods using ICA mixture models. **2001**, 234-253 2

1752 Latent class and trait models for data classification and visualisation. **2001**, 254-279 1

1751 Particle filters for non-stationary ICA. **2001**, 280-298 3

1750 ICA: model order selection and dynamic source models. **2001**, 299-314 8

1749 References. **2001**, 315-335

1748 . **2001**, 3767

1747 Some specifics about generalization. **2001**, 24, 762-778 10

1746 Exhuming similarity. **2001**, 24, 669-669 1

1745 Measurement theory is a poor model of the relation of kinematic geometry and perception of motion. **2001**, 24, 705-706

1744	The archeology of internalism. **2001**, 24, 682-683	1
1743	External regularities and adaptive signal exchanges in the brain. **2001**, 24, 663-664	
1742	The internalization of physical constraints from a developmental perspective. **2001**, 24, 681-682	
1741	Interpreting screw displacement apparent motion as a self-organizing process. **2001**, 24, 668-669	1
1740	Universal internalization or pluralistic micro-theories?. **2001**, 24, 749-755	1
1739	First, we assume a spherical cow ... **2001**, 24, 656-657	5
1738	Which colour space(s) is Shepard talking about?. **2001**, 24, 661-662	1
1737	Natural groups of transformations underlying apparent motion and perceived object shape and color. **2001**, 24, 665-668	2
1736	Internalization of physical laws as revealed by the study of action instead of perception. **2001**, 24, 684-685	
1735	What are we talking about here?. **2001**, 24, 671-672	
1734	Recent advances in EEG signal analysis and classification. **2001**, 175-191	2
1733	A Bayesian approach to source separation. **2001**,	7
1732	Sound source segregation based on estimating incident angle of each frequency component of input signals acquired by multiple microphones. **2001**, 22, 149-157	79
1731	Is kinematic geometry an internalized regularity?. **2001**, 24, 778-778	
1730	Internalization: A metaphor we can live without. **2001**, 24, 756-757	
1729	Auditory Scene Analysis: Computational Models. **2001**, 943-946	0
1728	Internalized constraints may function as an emulator. **2001**, 24, 710-711	
1727	What is internalized?. **2001**, 24, 680-681	

1726 Color constancy: A case for multiple levels and paradigms. **2001**, 24, 658-658 1

1725 Reflections on what timescale?. **2001**, 24, 698-699

1724 If a tree falls in the forest and there is nobody around, does Chasles' theorem still apply?. **2001**, 24, 655-656

1723 What is the probability of the Bayesian model, given the data?. **2001**, 24, 672-673

1722 What's within? Can the internal structure of perception be derived from regularities of the external world?. **2001**, 24, 689-690

1721 Fast ICA by a fixed-point algorithm that maximizes non-Gaussianity. **2001**, 71-94 8

1720 Adaptation as genetic internalization. **2001**, 24, 673-674

1719 Regularities in motion: Apparent, real and internalized. **2001**, 24, 757-762 2

1718 Learning to internalize: A developmental perspective. **2001**, 24, 676-677

1717 The place of Shepard in the world of perception. **2001**, 24, 669-671 1

1716 An alternate route toward a science of mind. **2001**, 24, 702-703

1715 Universal Bayesian inference?. **2001**, 24, 662-663 3

1714 The role of statistics in perception. **2001**, 24, 748-748 1

1713 Colour perception may optimize biologically relevant surface discriminations rather than type-I constancy. **2001**, 24, 658-659

1712 Evaluating spatial transformation procedures as universals. **2001**, 24, 697-698

1711 Representation of basic kinds: Not a case of evolutionary internalization of universal regularities. **2001**, 24, 686-687

1710 Functional resemblance and the internalization of rules. **2001**, 24, 695-696

1709 Beyond an occult kinematics of the mind. **2001**, 24, 692-695 0

1708	Universal generalization and universal inter-item confusability. **2001**, 24, 659-660	2
1707	Probabilistic functionalism: A unifying paradigm for the cognitive sciences. **2001**, 24, 690-692	7
1706	Regularities, context, and neural coding: Are universals reflected in the experienced world?. **2001**, 24, 701-702	3
1705	Reliance on constraints means detection of information. **2001**, 24, 679-680	6
1704	Neural spaces: A general framework for the understanding of cognition?. **2001**, 24, 664-665	6
1703	Dynamics, not kinematics, is an adequate basis for perception. **2001**, 24, 709-710	3
1702	Bayesian framework applied to a source separation problem using a priori knowledge concerning ill conditioned mixtures issued from an Eddy current sensor response. **2001**,	
1701	Tribute to an ideal exemplar of scientist and person. **2001**, 24, 688-689	
1700	Context effects equally applicable in generalization and similarity. **2001**, 24, 699-700	
1699	Toward a generative transformational approach to visual perception. **2001**, 24, 707-708	1
1698	What's in a structure?. **2001**, 24, 708-709	
1697	Colour generalisation by domestic chicks. **2001**, 24, 654-654	4
1696	Minimization of modal contours: An instance of an evolutionary internalized geometric regularity?. **2001**, 24, 706-707	6
1695	Generality, mathematical elegance, and evolution of numerical/object identity. **2001**, 24, 654-655	2
1694	Internalized constraints in the representation of spatial layout. **2001**, 24, 677-678	2
1693	The mathematics of symmetry does not provide an appropriate model for the human understanding of elementary motions. **2001**, 24, 696-697	1
1692	Shepard's mirrors or Simon's scissors?. **2001**, 24, 704-705	17
1691	Shepard's Response On the possibility of universal mental laws: A reply to my critics. **2001**, 24, 712-148	4

1690	Phasic and tonic coupling between EEG and EMG demonstrated with independent component analysis. **2001**, 18, 45-57	22
1689	Task-related EEG-EEG coherence depends on dopaminergic activity in Parkinson's disease. **2001**, 12, 703-7	26
1688	Emotional expression boosts early visual processing of the face: ERP recording and its decomposition by independent component analysis. **2001**, 12, 709-14	166
1687	Early seizure detection. **2001**, 18, 259-68	107
1686	A comparison of BSS algorithms.	
1685	Can recent innovations in harmonic analysis 'explain' key findings in natural image statistics?. **2001**, 12, 371-393	34
1684	Unique ICA solution by eliminating indeterminacy.	1
1683	Nonlinear blind source separation by spline neural networks.	4
1682	.	5
1681	ICA of linear and nonlinear mixtures based on mutual information.	3
1680	Phonocardiography nonlinear multiple measurements in discovering the abnormalities in the bioprosthetic heart valves. **2001**,	
1679	Disturbed facial affect recognition in patients with schizophrenia associated with hypoactivity in distributed brain regions: a magnetoencephalographic study. **2001**, 158, 1429-36	73
1678	Ensemble Learning for blind source separation. **2001**, 209-233	30
1677	A combined approach of array processing and independent component analysis for blind separation of acoustic signals.	19
1676	Model analysis and independent component analysis of cortical data acquired with surface microelectrode.	
1675	Adaptive independent component analysis to analyze electrocardiograms. **2001**,	
1674	Frequency domain multichannel blind deconvolution using adaptive spline functions.	
1673	PCA neural models and blind signal separation.	1

1672	Study of sparse features in image recognition. **2001**,	2
1671	Sparse Components of Images and Optimal Atomic Decompositions. **2001**, 17, 353-382	148
1670	Removal of ECG interference from the EEG recordings in small animals using independent component analysis. **2001**, 108, 11-7	67
1669	Blind separation of instantaneous mixture of sources via the Gaussian mutual information criterion. **2001**, 81, 855-870	50
1668	Blind separation of linear instantaneous mixtures using closed-form estimators. **2001**, 81, 1537-1556	7
1667	A contribution to (neuromorphic) blind deconvolution by flexible approximated Bayesian estimation. **2001**, 81, 2131-2153	33
1666	Underdetermined blind source separation using sparse representations. **2001**, 81, 2353-2362	455
1665	Semiparametric model and superefficiency in blind deconvolution. **2001**, 81, 2535-2553	10
1664	Robust automatic speech recognition with missing and unreliable acoustic data. **2001**, 34, 267-285	362
1663	Objective classification of galaxy spectra using the information bottleneck method. **2001**, 323, 270-284	42
1662	Artificial neural networks for noisy image super-resolution. **2001**, 198, 71-81	13
1661	Image approximation and modeling via least statistically dependent bases. **2001**, 34, 1765-1784	7
1660	Adaptive independent component analysis of multichannel electrogastrograms. **2001**, 23, 91-7	15
1659	A STUDY OF THE NOISE FROM DIESEL ENGINES USING THE INDEPENDENT COMPONENT ANALYSIS. **2001**, 15, 1165-1184	71
1658	Optimal Color Quantization for Real-Time Object Recognition. **2001**, 7, 401-414	3
1657	Blind deconvolution of blurred images by use of ICA. **2001**, 84, 1-9	12
1656	Spatial and temporal independent component analysis of functional MRI data containing a pair of task-related waveforms. **2001**, 13, 43-53	548
1655	A method for making group inferences from functional MRI data using independent component analysis. **2001**, 14, 140-51	2069

1654	Analysis and visualization of single-trial event-related potentials. **2001**, 14, 166-85		527
1653	Generalization and Tinbergen's four whys. **2001**, 24, 660-661		4
1652	Ensemble of Independent Factor Analyzers with Application to Natural Image Analysis. **2001**, 14, 49-60		3
1651	Deterministic Generative Models for Fast Feature Discovery. **2001**, 5, 337-363		1
1650	Independent component analysis of temporal sequences subject to constraints by lateral geniculate nucleus inputs yields all the three major cell types of the primary visual cortex. **2001**, 11, 241-8		5
1649	General strategy for hierarchical decomposition of multivariate time series: implications for temporal lobe seizures. **2001**, 29, 1135-49		21
1648	The auditory organization of speech and other sources in listeners and computational models. **2001**, 35, 141-177		104
1647	Detection of fetal auditory evoked responses by means of magnetoencephalography. **2001**, 917, 167-73		52
1646	A survey of hybrid ANN/HMM models for automatic speech recognition. **2001**, 37, 91-126		98
1645	An approach to blind source separation based on temporal structure of speech signals. **2001**, 41, 1-24		338
1644	Independent component ordering in ICA time series analysis. **2001**, 41, 145-152		69
1643	Advances in Self-Organising Maps. **2001**,		8
1642	Face Image Analysis by Unsupervised Learning. **2001**,		54
1641	Geometric methods in nonlinear analysis of data from brain imaging. **2001**, 4476, 145		
1640	Complexity pursuit: separating interesting components from time series. *Neural Computation*, **2001**, 13, 883-98	2.9	101
1639	Learning statistically efficient features for speaker recognition.		1
1638	Independent components analysis using Renyi's mutual information and Legendre density estimation.		1
1637	Face recognition: a facial action reconstruction and ICA representation approach.		

1636	Blind detection of independent dynamic components.		23
1635	A passive approach for detecting shared bottlenecks.		30
1634	Blind signal separation using ICA.		0
1633	Adaptive blind signal separation using a risk-sensitive criterion.		
1632	Comparative study of implementing ICNNs on FPGAs.		8
1631	The statistical structures of male and female speech signals.		1
1630	A nonlinear function for gradient based BSS.		
1629	Complex domain flexible non-linear function for blind signal separation.		
1628	Fundamental limitation of frequency domain blind source separation for convolutive mixture of speech.		26
1627	The effect of the whitening matrix in determining the final solution in blind source separation of biomedical signals.		1
1626	Single channel analysis of electromagnetic brain signals through ICA in a dynamical systems framework.		6
1625	.		1
1624	A new approach for the radar mixed signal separation.		0
1623	Blind broadband source localization and separation in miniature sensor arrays.		17
1622	From principal to independent component analysis of brain signals.		3
1621	Global dynamics of a network of stochastic neurons maximizes local mutual information. **2001**, 12, 33-46		1
1620	Blind source separation using temporal predictability. *Neural Computation*, **2001**, 13, 1559-74	2.9	127
1619	Blind source separation using multinode sparse representation.		3

1618	Application of independent component analysis to detection of gas leakage sound.		
1617	Linear image coding for regression and classification using the tensor-rank principle.		78
1616	Information dynamics view of brain processing function.		
1615	High order statistics for image classification. **2001**, 11, 371-7		2
1614	IMAGE ANALYSIS OF FUNCTIONAL MAGNETIC RESONANCE IMAGING. **2001**, 13, 248-255		3
1613	Localization and globalization in conscious vision. **2001**, 24, 57-86		149
1612	Group theory and geometric psychology. **2001**, 24, 674-676		
1611	Topographic independent component analysis. *Neural Computation*, **2001**, 13, 1527-58	2.9	443
1610	An adaptive short-time frequency domain algorithm for blind separation of nonstationary convolved mixtures.		4
1609	Adaptive algorithm for blind separation from noisy time-varying mixtures. *Neural Computation*, **2001**, 13, 2339-57	2.9	17
1608	Learning Hough transform: a neural network model. *Neural Computation*, **2001**, 13, 651-76	2.9	7
1607	A constrained EM algorithm for independent component analysis. *Neural Computation*, **2001**, 13, 677-89	2.9	34
1606	The evolution of color vision. **2001**, 24, 671-671		
1605	A Theory for Learning by Weight Flow on Stiefel-Grassman Manifold. *Neural Computation*, **2001**, 13, 1625-1647	2.9	75
1604	Sphericity in cognition. **2001**, 24, 703-704		2
1603	Using an ICA representation of high dimensional data for object recognition and classification.		6
1602	The Elements of Statistical Learning. **2001**,		6424
1601	A biologically motivated solution to the cocktail party problem. *Neural Computation*, **2001**, 13, 1575-602	2.9	13

1600	Dynamic components of linear stable mixtures from fractional low order moments.	0
1599	Comparison of PCA and ICA based clutter reduction in GPR systems for anti-personal landmine detection.	34
1598	Blind signal separation using overcomplete subband representation. **2001**, 9, 524-533	28
1597	Removal of residual crosstalk components in blind source separation using LMS filters.	13
1596	BSS: a new approach for watermark attack.	
1595	Blind processing in neuroimaging: application to FMRI.	
1594	A comparison of PCA and ICA for object recognition under varying illumination.	5
1593	A resampling approach to estimate the stability of one-dimensional or multidimensional independent components. **2002**, 49, 1514-25	64
1592	Genetic algorithm approach to nonlinear blind source separation.	3
1591	Unsupervised learning rules for POLSAR images analysis.	2
1590	ICA mixture model based unsupervised classification of hyperspectral imagery.	10
1589	Kernel Eigenfaces vs. Kernel Fisherfaces: Face recognition using kernel methods. **2002**,	357
1588	Independent component analysis for understanding multimedia content.	26
1587	A spatially robust ICA algorithm for multiple fMRI data sets.	8
1586	Facial expression space learning.	29
1585	.	
1584	ICA for position and pose measurement from images with occlusion. **2002**,	2
1583	Neural network schemes for blind separation of sources from nonlinear mixtures.	

1582	Independent component analysis and beyond in brain imaging: EEG, MEG, fMRI, and PET.		7
1581	Automatic Music Transcription and Audio Source Separation. **2002**, 33, 603-627		50
1580	Slow feature analysis: unsupervised learning of invariances. *Neural Computation*, **2002**, 14, 715-70	2.9	653
1579	Unsupervised neural learning on lie group. **2002**, 12, 219-46		16
1578	Elements of Computational Statistics. **2002**,		1
1577	Designing Compact Feedforward Neural Models with Small Training Data Sets. **2002**, 39, 452-459		6
1576	Relating priming and repetition suppression. **2002**, 12, 187-201		4
1575	A decomposition model to track gene expression signatures: preview on observer-independent classification of ovarian cancer. **2002**, 18, 1617-24		55
1574	Neural networks in FPGAs.		14
1573	A multirate approach to multichannel blind deconvolution.		
1572	Supervised-unsupervised combined neural learning for independent component analysis.		0
1571	Independent component analysis of multichannel auditory evoked potentials.		5
1570	The use of independent component analysis as a tool for data mining.		2
1569	A novel fast algorithm for blind signal separation.		
1568	Blind source separation of convolutive nonlinear mixtures by flexible spline nonlinear functions. **2002**,		1
1567	Data augmentation using a combination of independent component analysis and non-linear time-series prediction.		1
1566	Comparison of Lagrange constrained neural network with traditional ICA methods.		2
1565	.		

1564	MISEP-an ICA method for linear and nonlinear mixtures, based on mutual information.		3
1563	Blind source separation of time-varying instantaneous mixtures using an on-line algorithm. **2002**,		3
1562	Manifold pursuit: a new approach to appearance based recognition.		23
1561	Polar coordinate based nonlinear function for frequency-domain blind source separation. **2002**,		12
1560	Removal of residual cross-talk components in Blind Source Separation using time-delayed spectral subtraction. **2002**,		7
1559	An ICA algorithm for analyzing multiple data sets.		4
1558	Unsupervised representational learning: the Helmholtzian perspective.		
1557	A semi-blind approach to the separation of real world speech mixtures.		1
1556	Optimization transfer for computational learning: a hierarchy from f-ICA and alpha-EM to their offsprings.		2
1555	Supervised map ICA: applications to brain functional MRI. **2002**,		2
1554	Rotation of EOFs by the Independent Component Analysis: Toward a Solution of the Mixing Problem in the Decomposition of Geophysical Time Series. **2002**, 59, 111-123		43
1553	Training the integrate-and-fire model with the informax principle: I. **2002**, 35, 2379-2394		8
1552	Mean-field approaches to independent component analysis. *Neural Computation*, **2002**, 14, 889-918	2.9	112
1551	Independent components of magnetoencephalography: localization. *Neural Computation*, **2002**, 14, 1827-58	2.9	78
1550	EMPATH: a neural network that categorizes facial expressions. **2002**, 14, 1158-73		158
1549	Notes on Bell-Sejnowski PDF-matching neuron. *Neural Computation*, **2002**, 14, 2847-55	2.9	2
1548	Subpopulation Brain Atlases. **2002**, 757-796		5
1547	Joint entropy maximization in kernel-based topographic maps. *Neural Computation*, **2002**, 14, 1887-906	2.9	33

1546	Locality of global stochastic interaction in directed acyclic networks. *Neural Computation*, **2002**, 14, 2959-80	2.9	21
1545	Stochastic trapping in a solvable model of on-line independent component analysis. *Neural Computation*, **2002**, 14, 421-35	2.9	7
1544	Semi-blinde Ger□schrekonstruktion f□ die technische Diagnose (Semi-blind Sound Reconstruction for Machine Diagnosis). **2002**, 69, 169		
1543	New independent component analysis method using higher order statistics with application to remote sensing images. **2002**, 41, 1717		25
1542	Spatiotemporal pattern of neural processing in the human auditory cortex. **2002**, 297, 1706-8		183
1541	Blind source separation by a geometrical method.		7
1540	Lagrange constraint neural networks for massive pixel parallel image demixing. **2002**, 4738, 428		
1539	Non independent strategies for blind source separation in functional MRI.		
1538	Target detection in hyperspectral images based on independent component analysis. **2002**,		20
1537	Is gradient descent appropriate for entropy-based source separation?. **2002**,		
1536	Representations for facial expressions.		
1535	. **2002**,		2
1534	A subspace method for feature extraction using independent components.		
1533	Independent component analysis for the examination of dynamic contrast-enhanced breast magnetic resonance imaging data: preliminary study. **2002**, 37, 647-54		17
1532	Edge detection and texture segmentation based on independent component analysis.		2
1531	Fast LCNN ICA for unsupervised hyperspectral image classifier. **2002**, 4738, 169		
1530	Multi-channel time-frequency data fusion.		8
1529	Lagrange constraint neural network for audio varying BSS. **2002**, 4738, 203		

1528	Robust speech separation using visually constructed speech signals. **2002**,	5
1527	Human female attractiveness: waveform analysis of body shape. **2002**, 269, 2205-13	97
1526	An EM algorithm for convolutive independent component analysis.	1
1525	Blind phase retrieval and source separation of electromagnetic fields. **2002**, 27, 89-91	3
1524	Identification of Shared Components in Large Ensembles of Time Series Using Dimension Reduction. **2002**, 97, 759-765	7
1523	Non-invasive monitoring of functionally distinct muscle activations during swallowing. **2002**, 113, 354-66	43
1522	Systematic source estimation of spikes by a combination of independent component analysis and RAP-MUSIC. I: Principles and simulation study. **2002**, 113, 713-24	33
1521	Systematic source estimation of spikes by a combination of independent component analysis and RAP-MUSIC. II: Preliminary clinical application. **2002**, 113, 725-34	28
1520	Assessing cerebral dysfunction with probe-evoked potentials in a CNV task -- a study in alcoholics. **2002**, 113, 815-25	19
1519	Face recognition by independent component analysis. **2002**, 13, 1450-64	1140
1518	Dynamic brain sources of visual evoked responses. **2002**, 295, 690-4	1271
1517	A frequency domain blind signal separation method based on decorrelation. **2002**, 50, 1855-1865	50
1516	Face recognition using Kernel-based Fisher Discriminant Analysis.	2
1515	Face recognition using feature extraction based on independent component analysis.	12
1514	Beyond phrenology: what can neuroimaging tell us about distributed circuitry?. **2002**, 25, 221-50	378
1513	An experimental study: on reducing RBF input dimension by ICA and PCA.	2
1512	Convergence of the symmetrical FastICA algorithm.	14
1511	Face Recognition Based on ICA Combined with FLD. **2002**, 10-18	7

1510	Intelligent Data Engineering and Automated Learning IDEAL 2002. **2002**,		1
1509	Robust blind source separation by beta divergence. *Neural Computation*, **2002**, 14, 1859-86	2.9	107
1508	. **2002**, 2, 663-673		17
1507	Independent component analysis with mixture density model and its application to localize the brain alpha activity in fMRI and EEG.		
1506	ISpace: interactive volume data classification techniques using independent component analysis.		13
1505	A Grid Application for an Evaluation of Brain Function using Independent Component Analysis (ICA).		2
1504	Neural coding by redundancy reduction and correlation.		
1503	Learning sensory maps with real-world stimuli in real time using a biophysically realistic learning rule. **2002**, 13, 619-32		11
1502	Exploring independent component analysis for electric load profiling.		1
1501	Blind source separation with different sensor spacing and filter length for each frequency range.		9
1500	Estimating DOA using independent component analysis.		
1499	Neural network implementations of independent component analysis.		2
1498	A theory for learning based on rigid bodies dynamics. **2002**, 13, 521-31		37
1497	Low-cost design and implementation of an ICA-based blind source separation algorithm.		9
1496	Embodying information into images by an MMI-based independent component analysis algorithm.		
1495	Automated interictal spike detection and source localization in MEG using ICA and spatial-temporal clustering.		
1494	Unsupervised image classification, segmentation, and enhancement using ICA mixture models. **2002**, 11, 270-9		61
1493	Real-time source separation based on sound localization in a reverberant environment.		

1492	Movement correction of fMRI time-series using intrinsic statistical properties of images: an independent component analysis approach.	1
1491	Applying Neural Networks and Genetic Algorithms to the Separation of Sources. **2002**, 420-429	3
1490	Far-field electrophysiology reflects top-down control.	
1489	Color opponency is an efficient representation of spectral properties in natural scenes. **2002**, 42, 2095-103	93
1488	Information-theoretic learning for FAN network applied to eterokurtic component analysis. **2002**, 149, 347	1
1487	Stability analyses of information-theoretic blind separation algorithms in the case where the sources are nonlinear processes. **2002**, 50, 69-77	6
1486	. **2002**, 50, 997-1006	45
1485	Spatiotemporal independent component analysis of event-related fMRI data using skewed probability density functions. **2002**, 15, 407-21	124
1484	Single-trial variability in event-related BOLD signals. **2002**, 15, 823-35	158
1483	Exploratory fMRI analysis by autocorrelation maximization. **2002**, 16, 454-64	87
1482	Noise reduction in BOLD-based fMRI using component analysis. **2002**, 17, 1521-37	220
1481	Independent components of magnetoencephalography: single-trial response onset times. **2002**, 17, 1773-89	38
1480	Linear spectral random mixture analysis for hyperspectral imagery. **2002**, 40, 375-392	69
1479	Perception of sound-source motion by the human brain. **2002**, 34, 139-48	243
1478	Independent component analysis: an introduction. **2002**, 6, 59-64	198
1477	The planum temporale as a computational hub. **2002**, 25, 348-53	495
1476	Source estimation of spikes by a combination of independent component analysis and RAP-MUSIC. **2002**, 1232, 311-316	1
1475	Functional integration and inference in the brain. **2002**, 68, 113-43	204

1474	Complex infomax: convergence and approximation of infomax with complex nonlinearities.	10
1473	Estimation of speech embedded in a reverberant and noisy environment by independent component analysis and wavelets. **2002**, 13, 888-93	20
1472	Gradient flow adaptive beamforming and signal separation in a miniature microphone array. **2002**,	4
1471	Blind separation of instantaneous mixed Gaussian sources via genetic algorithms.	1
1470	Bayesian analysis of single trial cortical event-related components. **2002**,	
1469	Multi-resolution and wavelet representations for identifying signatures of disease. **2002**, 18, 339-63	12
1468	Different modes of pitch perception and learning-induced neuronal plasticity of the human auditory cortex. **2002**, 9, 161-75	16
1467	Closed-form formulas for the outage probability of wireless communication systems with a minimum signal power constraint. **2002**, 51, 1689-1698	22
1466	Performance improvements for sector antennas using feature extraction and spatial interference cancellation. **2002**, 51, 1685-1689	2
1465	General multilayer perceptron demixer scheme for nonlinear blind signal separation. **2002**, 149, 253	17
1464	Blind deconvolution by simple adaptive activation function neuron. **2002**, 48, 763-778	6
1463	Training neuron models with the Informax principle. **2002**, 44-46, 97-101	
1462	From single-trial EEG to brain area dynamics. **2002**, 44-46, 1057-1064	62
1461	An alternative approach to infomax and independent component analysis. **2002**, 44-46, 1089-1097	6
1460	Separation of sources using simulated annealing and competitive learning. **2002**, 49, 39-60	8
1459	Adaptive step-size control in blind source separation. **2002**, 49, 119-138	22
1458	Imposing sparsity on the mixing matrix in independent component analysis. **2002**, 49, 151-162	21
1457	Blind signal separation in noisy environments using a three-step quantizer. **2002**, 49, 61-78	2

1456	Analysis of functional neuroimages using ICA with adaptive binary sources. **2002**, 49, 213-225	11
1455	Spatial independent component analysis of functional magnetic resonance imaging time-series: characterization of the cortical components. **2002**, 49, 241-254	37
1454	Independent component analysis for unaveraged single-trial MEG data decomposition and single-dipole source localization. **2002**, 49, 255-277	34
1453	Blind deconvolution using temporal predictability. **2002**, 49, 79-86	18
1452	Robust blind source separation algorithms using cumulants. **2002**, 49, 87-118	34
1451	Blind source separation using Renyi's -marginal entropies. **2002**, 49, 25-38	40
1450	Learning statistically efficient features for speaker recognition. **2002**, 49, 329-348	22
1449	Classification of neuronal activities from tetrode recordings using independent component analysis. **2002**, 49, 289-298	23
1448	Top-down attention to complement independent component analysis for blind signal separation. **2002**, 49, 315-327	8
1447	An EM algorithm for convolutive independent component analysis. **2002**, 49, 187-211	5
1446	Frontiers of research in BSS/ICA. **2002**, 49, 7-23	34
1445	Sparse coding blind source separation through Powerline. **2002**, 48, 1015-1020	12
1444	A new method for detecting brain activities from fMRI dataset. **2002**, 48, 1047-1052	2
1443	Blind source separation: a unified approach. **2002**, 49, 435-438	2
1442	Independent component analysis applied to diffusion tensor MRI. **2002**, 47, 354-63	43
1441	Independent component analysis of fMRI data in the complex domain. **2002**, 48, 180-92	101
1440	A NEW, NON-LINEAR, ADAPTIVE, BLIND SOURCE SEPARATION APPROACH TO GEAR TOOTH FAILURE DETECTION AND ANALYSIS. **2002**, 16, 719-740	48
1439	Different activation dynamics in multiple neural systems during simulated driving. **2002**, 16, 158-67	203

1438	Spatial independent component analysis of functional MRI time-series: to what extent do results depend on the algorithm used?. **2002**, 16, 146-57	90
1437	Fast and precise independent component analysis for high field fMRI time series tailored using prior information on spatiotemporal structure. **2002**, 15, 54-66	36
1436	Effect of signal length on the performance of independent component analysis when extracting the lambda wave. **2002**, 40, 260-8	3
1435	Test-retest precision of functional magnetic resonance imaging processed with independent component analysis. **2002**, 44, 403-6	17
1434	Nonlinear dynamics of the EEG separated by independent component analysis after sound and light stimulation. **2002**, 86, 395-401	16
1433	Independent component analysis of ictal EEG in medial temporal lobe epilepsy. **2002**, 43, 160-4	61
1432	Hybrid independent component analysis by adaptive LUT activation function neurons. **2002**, 15, 85-94	22
1431	On-line learning in changing environments with applications in supervised and unsupervised learning. **2002**, 15, 743-60	37
1430	Kernel-based topographic map formation achieved with an information-theoretic approach. **2002**, 15, 1029-39	21
1429	BYY harmony learning, structural RPCL, and topological self-organizing on mixture models. **2002**, 15, 1125-51	79
1428	New equations and iterative algorithm for blind separation of sources. **2002**, 82, 861-873	3
1427	Separation of independent components from data mixed by several mixing matrices. **2002**, 82, 1949-1961	4
1426	Comparison of maximum entropy and minimal mutual information in a nonlinear setting. **2002**, 82, 971-980	2
1425	Contravariant adaptation on structured matrix spaces. **2002**, 82, 1389-1410	5
1424	Unsupervised learning in neural computation. **2002**, 287, 187-207	21
1423	Optical reticle trackers with the multi-source discrimination capability by using independent component analysis. **2002**, 203, 197-211	1
1422	Face representation using independent component analysis. **2002**, 35, 1247-1257	134
1421	A novel algorithm to remove electrical cross-talk between surface EMG recordings and its application to the measurement of short-term synchronisation in humans. **2002**, 538, 919-30	57

1420	Efficient coding of natural sounds. **2002**, 5, 356-63	449
1419	Recursive self-organizing maps. **2002**, 15, 979-91	127
1418	Image denoising using self-organizing map-based nonlinear independent component analysis. **2002**, 15, 1085-98	40
1417	A survey on wavelet applications in data mining. **2002**, 4, 49-68	131
1416	Cluster Analysis of Biomedical Image Time-Series. **2002**, 46, 103-128	77
1415	Maximum Likelihood Unsupervised Source Separation in Gaussian Noise. **2002**, 31, 7-18	1
1414	Geometrical Structures of FIR Manifold and Multichannel Blind Deconvolution. **2002**, 31, 31-44	6
1413	Blind Source Separation and Equiprobabilistic Topographic Maps. **2002**, 31, 19-30	
1412	Beyond second-order statistics for learning: A pairwise interaction model for entropy estimation. **2002**, 1, 85-108	11
1411	On the Efficient Speech Feature Extraction Based on Independent Component Analysis. **2002**, 15, 235-245	16
1410	Ockham's Razor at Work: Modeling of the ''Homunculus''. **2002**, 3, 187-220	2
1409	The mystery of structure and function of sensory processing areas of the neocortex: a resolution. **2002**, 13, 187-205	11
1408	Estimating Overcomplete Independent Component Bases for Image Windows. **2002**, 17, 139-152	19
1407	The Problem of Sparse Image Coding. **2002**, 17, 89-108	17
1406	Automatic repeated-loess decomposition of data consisting of sums of oscillatory curves. **2002**, 12, 339-351	2
1405	Extracting invariable fault features of rotating machines with multi-ICA networks. **2003**, 4, 595-601	3
1404	Automatic Classification of Musical Instrument Sounds. **2003**, 32, 3-21	63
1403	Blind source separation used for radar anti-jamming. **2003**,	1

1402	Face recognition. **2003**, 35, 399-458	3598
1401	Enhancement of electrolarynx speech using adaptive noise cancelling based on independent component analysis. **2003**, 41, 670-8	20
1400	Blind Source Separation Based on Nonparametric Density Estimation. **2003**, 22, 57-67	4
1399	Estimation of single-trial multicomponent ERPs: differentially variable component analysis (dVCA). **2003**, 89, 426-38	61
1398	Connection between multilayer perceptrons and regression using independent component analysis. **2003**, 50, 211-222	7
1397	New Gaussianity measures based on order statistics: application to ICA. **2003**, 51, 303-320	12
1396	Independent component analysis with prior information about the mixing matrix. **2003**, 50, 419-438	10
1395	Hough transform network: a class of networks for identifying parametric structures. **2003**, 51, 125-145	7
1394	Face detection from cluttered images using a polynomial neural network. **2003**, 51, 197-211	28
1393	A feasibility study for electromagnetic pollution monitoring by electromagnetic-source localization via neural independent component analysis. **2003**, 55, 451-468	5
1392	A comparison of PCA, KPCA and ICA for dimensionality reduction in support vector machine. **2003**, 55, 321-336	349
1391	A filter bank approach to independent component analysis and its application to adaptive noise cancelling. **2003**, 55, 755-759	6
1390	Extracting multisource brain activity from a single electromagnetic channel. **2003**, 28, 89-104	65
1389	Temporally constrained ICA: an application to artifact rejection in electromagnetic brain signal analysis. **2003**, 50, 1108-16	200
1388	Role of statistical symmetries in sensory coding: an optimal scale invariant code for vision. **2003**, 97, 491-502	4
1387	Independent component analysis of functional MRI: what is signal and what is noise?. **2003**, 13, 620-9	275
1386	Reconstruction of extended cortical sources for EEG and MEG based on a Monte-Carlo-Markov-chain estimator. **2003**, 18, 100-10	21
1385	Power spectrum ranked independent component analysis of a periodic fMRI complex motor paradigm. **2003**, 18, 111-22	49

1384	Independent component model for cognitive functions of multiple subjects using [15O]H2O PET images. **2003**, 18, 284-95	14
1383	Reproducibility assessment of independent component analysis of expression ratios from DNA microarrays. **2003**, 4, 300-17	9
1382	Learning and inference in the brain. **2003**, 16, 1325-52	444
1381	Cross validation and uncertainty estimates in independent component analysis. **2003**, 490, 341-354	30
1380	Complex independent component analysis of frequency-domain electroencephalographic data. **2003**, 16, 1311-23	144
1379	Misallocation of variance in event-related potentials: simulation studies on the effects of test power, topography, and baseline-to-peak versus principal component quantifications. **2003**, 124, 103-12	48
1378	An efficient multistage decomposition approach for independent components. **2003**, 83, 181-197	21
1377	Overview of independent component analysis technique with an application to synthetic aperture radar (SAR) imagery processing. **2003**, 16, 453-67	39
1376	Source separation in astrophysical maps using independent factor analysis. **2003**, 16, 479-91	24
1375	Neural networks in astronomy. **2003**, 16, 297-319	29
1374	Multimedia authenticity protection with ICA watermarking and digital bacteria vaccination. **2003**, 16, 907-14	10
1373	Shaping up simple cell's receptive field of animal vision by ICA and its application in navigation system. **2003**, 16, 609-15	4
1372	Face recognition using independent component analysis and support vector machines. **2003**, 24, 2153-2157	106
1371	Face recognition with visible and thermal infrared imagery. **2003**, 91, 72-114	130
1370	Recognizing faces with PCA and ICA. **2003**, 91, 115-137	292
1369	A similarity measure for nonrigid volume registration using known joint distribution of targeted tissue: application to dynamic CT data of the liver. **2003**, 7, 553-64	9
1368	Combinations of muscle synergies in the construction of a natural motor behavior. **2003**, 6, 300-8	821
1367	Data decomposition using independent component analysis with prior constraints. **2003**, 36, 1813-1825	9

1366	Independent component analysis for texture segmentation. **2003**, 36, 2301-2315	43
1365	Adaptive separation of acoustic sources for anechoic conditions: A constrained frequency domain approach. **2003**, 39, 79-95	13
1364	A spatio-temporal speech enhancement scheme for robust speech recognition in noisy environments. **2003**, 41, 393-407	30
1363	Human vs machine: evaluation of fluorescence micrographs. **2003**, 33, 31-43	44
1362	Blind Multiuser Detection for DS-CDMA Using Independent Component Analysis Neural Network. **2003**, 5, 555-564	3
1361	Independent Component Analysis for Simultaneous Active Noise Canceling and Blind Signal Separation. **2003**, 73-78	
1360	Blind source separation of signals with known alphabets using /spl epsi/-approximation algorithms. **2003**, 51, 1-10	9
1359	Convergence properties and data efficiency of the minimum error entropy criterion in ADALINE training. **2003**, 51, 1966-1978	50
1358	Quality of EEG in simultaneous EEG-fMRI for epilepsy. **2003**, 114, 569-80	218
1357	Spatiotemporal analysis of optical imaging data. **2003**, 18, 610-21	25
1356	Multivariate analysis of neuronal interactions in the generalized partial least squares framework: simulations and empirical studies. **2003**, 20, 625-42	49
1355	Latency (in)sensitive ICA. Group independent component analysis of fMRI data in the temporal frequency domain. **2003**, 20, 1661-9	57
1354	Supervised-PCA and SVM classifiers for object detection in infrared images.	4
1353	Feature extraction for automatic ball recognition: comparison between wavelet and ICA preprocessing.	
1352	A prediction matrix approach to convolutive ICA.	1
1351	Real time extraction of Visual Evoked Potentials. **2003**,	
1350	Visual recognition of hexagonal headed bolts by comparing ICA to wavelets. **2003**,	5
1349	Dual multivariate auto-regressive modeling in state space for temporal signal separation. **2003**, 33, 386-98	21

1348	Gearbox fault diagnosis using independent component analysis in the frequency domain and wavelet filtering.		2
1347	Application of independent component analysis to microarray data.		1
1346	Methods for the blind signal separation problem. **2003**,		1
1345	Dictionary learning algorithms for sparse representation. *Neural Computation*, **2003**, 15, 349-96	2.9	541
1344	Towards a neurally-inspired computer architecture. **2003**, 2, 1-46		8
1343	Using an ICA representation of local color histograms for object recognition. **2003**, 36, 691-701		18
1342	Computerized processing of EEG-EOG-EMG artifacts for multi-centric studies in EEG oscillations and event-related potentials. **2003**, 47, 199-216		202
1341	Speech probability distribution. **2003**, 10, 204-207		178
1340	FPGA implementation of ICA algorithm for blind signal separation and adaptive noise canceling. **2003**, 14, 1038-46		35
1339	Combined approach of array processing and independent component analysis for blind separation of acoustic signals. **2003**, 11, 204-215		69
1338	The fundamental limitation of frequency domain blind source separation for convolutive mixtures of speech. **2003**, 11, 109-116		145
1337	Approximately independent factors of speech using nonlinear symplectic transformation. **2003**, 11, 660-671		2
1336	Audio source separation of convolutive mixtures. **2003**, 11, 489-497		63
1335	Quality of EEG in simultaneous EEG-fMRI for epilepsy. **2003**,		0
1334	Independent component analysis applied on gas sensor array measurement data. **2003**, 3, 218-228		62
1333	Time series prediction using ICA algorithms.		2
1332	Fuzzy-based learning rate determination for blind source separation. **2003**, 11, 375-383		22
1331	Neural networks for blind-source separation of Stromboli explosion quakes. **2003**, 14, 167-75		31

1330	A robust approach to independent component analysis of signals with high-level noise measurements. **2003**, 14, 631-45	37
1329	Underdetermined blind separation using learned basis function sets. **2003**, 39, 158	4
1328	A Morlet wavelet classification technique for ICA filtered sEMG experimental data.	14
1327	Adaptive Signal Processing. **2003**,	59
1326	Investigation of blind source separation methods for extraction of fetal ECG.	8
1325	Application of independent component analysis to microarrays. **2003**, 4, R76	159
1324	An adaptive entropy optimization algorithm for blind source separation.	
1323	A uniform oversampled filter bank approach to independent component analysis. **2003**,	
1322	Blind signal processing by complex domain adaptive spline neural networks. **2003**, 14, 399-412	14
1321	Training integrate-and-fire neurons with the Informax principle II. **2003**, 14, 326-36	9
1320	Denoising of functional MRI using ICA.	2
1319	Enhancement of Electronic artificial larynx speech by denoising. **2003**,	
1318	Online entropy manipulation: stochastic information gradient. **2003**, 10, 242-245	64
1317	. **2003**, 5, 30-36	1
1316	Blind deconvolution for SISO FIR channels based on autocorrelation function. **2003**,	
1315	Introducing an FPGA based genetic algorithms in the applications of blind signals separation.	4
1314	Clinical applications of myoelectric signal processing by neural network and spectral analysis.	2
1313	The study on the principle of Kurtosis based ICA method. **2003**,	

1312	.	2
1311	Independent components analysis for fetal electrocardiogram extraction: a case for the data efficient Mermaid algorithm.	9
1310	A survey of recent developments in theoretical neuroscience and machine vision.	2
1309	Temporal independent component analysis for separating event-related potentials. **2003**,	
1308	Introduction of BSS into VR-based test and simulation-with application in NDE. **2003**,	
1307	NMF vs ICA for face recognition.	5
1306	Variational mixture of Bayesian independent component analyzers. *Neural Computation*, **2003**, 15, 213-52.9	69
1305	Direction of arrival estimation for multiple source signals using independent component analysis. **2003**,	23
1304	Markovian source separation. **2003**, 51, 3009-3019	33
1303	Smarter sensors. **2003**,	
1302	Numerical modeling for the localization and the assessment of electromagnetic field sources. **2003**, 39, 1638-1641	12
1301	Robust digit recognition using phase-dependent time-frequency masking. **2003**,	
1300	Speech enhancement and recognition using circular microphone array for service robots.	3
1299	Blind equalization using matrix momentum and natural gradient adaptation.	
1298	A new approach for the blind deconvolution of nonlinear systems based on a high-order statistical criterium.	
1297	Blind source separation of speech signals based on an ICA geometric procedure.	
1296	ICA mixture model for unsupervised classification of non-Gaussian classes in multi/hyperspectral imagery. **2003**,	1
1295	.	21

1294	Blind Source Separation Combining Independent Component Analysis and Beamforming. **2003**, 2003, 1		90
1293	A neural-network appearance-based 3-D object recognition using independent component analysis. **2003**, 14, 138-49		22
1292	Evolutionary Algorithm Using Mutual Information for Independent Component Analysis. **2003**, 233-240		1
1291	Blind Source Recovery: A State-Space Formulation. **2003**, 167-192		0
1290	Neural Nets. **2003**,		
1289	The processing of kinetic contours in the brain. **2003**, 13, 189-202		94
1288	Genetic algorithm applied to ICA feature selection.		
1287	Adaptive and heuristic approaches for nonlinear source separation.		
1286	Blind MIMO channel equalisation using matrix momentum - natural gradient adaptation. **2003**,		
1285	Renyi entropy based divergence measures for ICA.		
1284	Linear geometric ICA: fundamentals and algorithms. *Neural Computation*, **2003**, 15, 419-39	2.9	38
1283	Distributed source number estimation for multiple target detection in sensor networks.		0
1282	Enabling computer decisions based on EEG input. **2003**, 11, 354-60		20
1281	Blind deconvolution applied to acoustical systems identification with supporting experimental results. **2003**, 114, 1988-96		14
1280	A parallel architecture using discrete wavelet transform for fast ICA implementation. **2003**,		1
1279	Theoretical confirmation of simple cell's receptive field of animal's visual systems and efficient navigation applications.		0
1278	Robust digit recognition using phase-dependent time-frequency masking.		8
1277	Unsupervised condition change detection in large diesel engines. **2003**,		16

1276	Feature extraction based on ICA for binary classification problems. **2003**, 15, 1374-1388		32
1275	Digital Watermarking. **2003**,		17
1274	DISCRIMINATORY SPARSE CODING AND ITS APPLICATION TO FACE RECOGNITION. **2003**, 03, 503-521		2
1273	Wavelet-like receptive fields emerges by non-linear minimization of neuron error. **2003**, 13, 87-91		
1272	Stability and Control of Dynamical Systems with Applications. **2003**,		2
1271	Stiefel-manifold learning by improved rigid-body theory applied to ICA. **2003**, 13, 273-90		5
1270	Robust real-time blind source separation for moving speakers in a room.		15
1269	Cost component analysis. **2003**, 13, 183-92		1
1268	Auditory pathway model and its VLSI implementation for robust speech recognition in real-world noisy environment. **2003**,		
1267	Progress in blind separation of magnetoencephalographic data. **2003**, 5102, 129		1
1266	Closed-form expressions of some stochastic adapting equations for nonlinear adaptive activation function neurons. *Neural Computation*, **2003**, 15, 2909-29	2.9	3
1265	Kernel independent component analysis.		39
1264	Removal of cardiac and respiratory artifacts from EEG recordings under increased intracranial pressure.		
1263	Relative Newton method for signal separation.		
1262	Blind signal separation of convolutive mixtures.		5
1261	Simultaneous extraction and localization of dipolar independent components in evoked potentials.		
1260	Time-frequency characterization of multi-channel dynamic sEMG recordings by neural networks.		
1259	Time-frequency domain blind source separation - the independence problem and proposed solution.		

1258	Secure medical-image transmission using independent component analysis.	
1257	Adaptive time-frequency data fusion for speech enhancement. **2003**,	1
1256	New EM algorithms for source separation and deconvolution with a microphone array.	12
1255	Improved low bit-rate audio compression using reduced rank ICA instead of psychoacoustic modeling.	1
1254	Robust variational speech separation using fewer microphones than speakers. **2003**,	3
1253	Blind signal separation using fixed overcomplete basis function dictionaries.	
1252	Blind dereverberation of speech signals using independence transform matrix.	
1251	A new ICA algorithm for blind source separation.	
1250	Learning higher-order structures in natural images. **2003**, 14, 483-499	33
1249	ICA and Gabor representation for facial expression recognition.	45
1248	Robust variational speech separation using fewer microphones than speakers.	1
1247	A robust approach to the permutation problem of frequency-domain blind source separation.	9
1246	.	0
1245	A uniform oversampled filter bank approach to independent component analysis.	
1244	Blind image extraction from nonlinear mixtures using MLP-based ICA. **2003**,	2
1243	. **2003**,	2
1242	Robust speech separation using time-frequency masking. **2003**,	6
1241	Unsupervised hyperspectral image classification using blind source separation.	1

1240	Machine learning for computer graphics: a manifesto and tutorial.		4
1239	A New Information-Theoretic Based Ica Algorithm For Blind Signal Separation. **2003**, 25, 106-110		0
1238	Amplitude and permutation indeterminacies in frequency domain convolved ICA.		2
1237	GPR detection of buried symmetrically shaped minelike objects using selective independent component analysis. **2003**, 5089, 375		6
1236	Adaptive signal analysis of immunological data. **2003**,		
1235	Robust speech separation using two-stage independent component analysis. **2003**,		
1234	SOMICA and geometric ICA. **2003**,		1
1233	A new ica method based on a lattice of the observation space. **2003**,		1
1232	A taxonomy for spatiotemporal connectionist networks revisited: the unsupervised case. *Neural Computation*, **2003**, 15, 1255-320	2.9	55
1231	Learning the nonlinearity of neurons from natural visual stimuli. *Neural Computation*, **2003**, 15, 1751-9	2.9	19
1230	Spatiochromatic receptive field properties derived from information-theoretic analyses of cone mosaic responses to natural scenes. *Neural Computation*, **2003**, 15, 397-417	2.9	45
1229	Dereverberation of Acoustic Signals by Independent Component Analysis. **2003**, 165-170		
1228	Further results in the use of independent component analysis for target detection in hyperspectral images. **2003**,		3
1227	Sparse separation: principles and tricks. **2003**,		3
1226	Sparse representation in speech signal processing. **2003**,		
1225	Independent component analysis in statistical shape models. **2003**,		14
1224	Independent component analysis assisted unsupervised multispectral classification. **2003**, 5029, 725		
1223	Cauchy machine for blind inversion in linear space-variant imaging.		

1222	Modular organization of adaptive colouration in flounder and cuttlefish revealed by independent component analysis. **2003**, 14, 321-333	22
1221	Equivalence between Frequency-Domain Blind Source Separation and Frequency-Domain Adaptive Beamforming for Convolutive Mixtures. **2003**, 2003, 1	47
1220	.	8
1219	Protecting multimedia authenticity with ICA vaccination of digital bacteria watermarks.	2
1218	Enhancing interference mitigation in communication.	
1217	Design of new kernel density estimator for entropy maximization in independent component analysis.	
1216	Separation of reflections via sparse ICA. **2003**,	9
1215	Blind deconvolution of dynamical systems using a balanced parameterized state space approach.	
1214	PCA and ICA neural implementations for source separation - a comparative study.	3
1213	Blind source separation of nerve cuff recordings.	4
1212	Exploiting Acoustic Similarity of Propagating Paths for Audio Signal Separation. **2003**, 2003, 1	
1211	Working memory retention systems: a state of activated long-term memory. **2003**, 26, 709-28; discussion 728-77	279
1210	Process monitoring via independent components.	2
1209	Subband based blind source separation for convolutive mixtures of speech.	2
1208	Local features in biomedical image clusters extracted with independent component analysis.	1
1207	Separation of reflections via sparse ICA.	3
1206	Employing adaptive functions and maximum entropy principle for nonlinear blind source deconvolution.	
1205	Spatial independent component analysis of functional brain optical imaging. **2003**,	

1204	Rectification of nonlinearity in pre-amplifier and A/D converter of biomedical instruments. **2003**, 5102, 331	
1203	Color- and texture-based image segmentation using local feature analysis approach. **2003**,	1
1202	The Use of Blind-Source-Separation Algorithm for Mechanical Signal Separation and Machine Fault Diagnosis. **2003**, 57	1
1201	The ups and downs of Hebb synapses.. **2003**, 44, 10-13	7
1200	Live biometric authenticity check. **2003**, 5102, 69	0
1199	Incorporating semantics and individual differences in models of working memory. **2003**, 26, 742-742	
1198	Does sustained ERP activity in posterior lexico-semantic processing areas during short-term memory tasks only reflect activated long-term memory?. **2003**, 26, 746-747	2
1197	Another artificial division and the data don't support it. **2003**, 26, 739-740	2
1196	Cognitive neuropsychological evidence for common processes underlying generation and storage of language representations. **2003**, 26, 747-748	
1195	The short-term dynamics within a network of connections is creative. **2003**, 26, 752-753	0
1194	Double dissociation in the effects of brain damage on working memory. **2003**, 26, 758-759	
1193	More memory?. **2003**, 26, 738-739	
1192	Neuronal synchronization accompanying memory processing. **2003**, 26, 759-760	
1191	Retention of order and the binding of verbal and spatial information in short-term memory: Constraints for proceduralist accounts. **2003**, 26, 748-748	
1190	More than working memory rides on long-term memory. **2003**, 26, 737-737	5
1189	Working memory: Unemployed but still doing day labor. **2003**, 26, 760-769	
1188	What is the source of activation for working memory?. **2003**, 26, 741-742	
1187	Will the unitary view survive the short- and long-term?. **2003**, 26, 751-752	

1186	Long-term memories, features, and novelty. **2003**, 26, 744-745	2
1185	The short-term/long-term memory distinction: Back to the past?. **2003**, 26, 757-758	1
1184	New data: Old pitfalls. **2003**, 26, 729-730	6
1183	How does the attentional pointer work in prefrontal cortex?. **2003**, 26, 751-751	
1182	Prefrontal cortex and the generation of oscillatory visual persistence. **2003**, 26, 733-734	5
1181	Thoughts from the long-term memory chair. **2003**, 26, 734-735	1
1180	Retention systems of the brain: Evidence from neuropsychological patients. **2003**, 26, 743-744	
1179	Learning input correlations through nonlinear temporally asymmetric Hebbian plasticity. **2003**, 23, 3697-714	275
1178	Developmental evidence for working memory as activated long-term memory. **2003**, 26, 750-750	
1177	The contribution of long-term memory and the role of frontal-lobe systems in on-line processing. **2003**, 26, 756-756	3
1176	. **2003**,	16
1175	Working memory as a mental workspace: Why activated long-term memory is not enough. **2003**, 26, 745-746	5
1174	Some mechanisms of working memory may not be evident in the human EEG. **2003**, 26, 732-732	1
1173	Tidying up sensory stores with supraordinate representations. **2003**, 26, 730-731	
1172	Temporal lobe speech perception systems are part of the verbal working memory circuit: Evidence from two recent fMRI studies. **2003**, 26, 740-741	16
1171	Varieties of procedural accounts of working memory retention systems. **2003**, 26, 731-732	4
1170	Activation of long-term memory by alpha oscillations in a working-memory task?. **2003**, 26, 743-743	6
1169	Neglecting the posterior parietal cortex: The role of higher-order perceptual memories for working-memory retention. **2003**, 26, 749-749	1

1168	Attention-based maintenance of speech forms in memory: The case of verbal transformations. **2003**, 26, 728-729	29
1167	Missing the syntactic piece. **2003**, 26, 735-736	
1166	Working memory as a state of activated long-term memory: A plausible theory, but other data provide more compelling evidence. **2003**, 26, 754-755	
1165	Models versus descriptions: Real differences and language differences. **2003**, 26, 753-753	2
1164	From working memory to long-term memory and back: Linked but distinct. **2003**, 26, 737-738	3
1163	Characterization of Strombolian events by using independent component analysis. **2004**, 11, 453-461	16
1162	Separating a Real-Life Nonlinear Mixture of Images. **2004**, 734-741	2
1161	A Robust Logo Multiresolution Watermarking Based on Independent Component Analysis Extraction. **2004**, 408-422	2
1160	Supervised Independent Component Analysis with Class Information. **2004**, 1052-1057	
1159	3D Spatial Analysis of fMRI Data on a Word Perception Task. **2004**, 977-984	4
1158	Evaluation of separation and dereverberation performance in frequency domain blind source separation. **2004**, 25, 119-126	7
1157	. **2004**,	16
1156	Face Recognition from Color Images in Presence of Dynamic Orientations and Illumination Conditions. **2004**, 227-233	2
1155	Blind Source Separation Techniques for Detecting Hidden Texts and Textures in Document Images. **2004**, 241-248	6
1154	A Hierarchical ICA Method for Unsupervised Learning of Nonlinear Dependencies in Natural Images. **2004**, 1253-1261	1
1153	A New Approach to the Permutation Problem in Frequency Domain Blind Source Separation. **2004**, 849-856	4
1152	A New Auditory-Based Index to Evaluate the Blind Separation Performance of Acoustic Mixtures. **2004**, 1118-1125	
1151	Blind Source Separation Using the Block-Coordinate Relative Newton Method. **2004**, 406-413	

1150 Finding Clusters and Components by Unsupervised Learning. **2004**, 1-15 1

1149 Applications of Independent Component Analysis. **2004**, 1044-1051 5

1148 INDEPENDENT COMPONENT ANALYSIS FOR CLASSIFYING MULTISPECTRAL IMAGES WITH DIMENSIONALITY LIMITATION. **2004**, 01, 201-216 11

1147 MODELING AUDITORY PATHWAY FOR INTELLIGENT INFORMATION ACQUISITION. **2004**, 01, 345-356

1146 Independent Component Analysis, Principal Component Analysis and Rough Sets in Face Recognition. **2004**, 392-404 14

1145 Neural Engineering: Computation, Representation, and Dynamics in Neurobiological Systems. **2004**, 15, 528-529 2

1144 Time course reconstruction of fetal cardiac signals from fMCG: independent component analysis versus adaptive maternal beat subtraction. **2004**, 25, 1305-21 36

1143 Alcohol intoxication effects on simulated driving: exploring alcohol-dose effects on brain activation using functional MRI. **2004**, 29, 2097-17 134

1142 One-bit-matching conjecture for independent component analysis. *Neural Computation*, **2004**, 16, 383-92 2.9 26

1141 Analysis of speech separation for ASR systems. **2004**,

1140 Innovation enhanced Infomax for separating linear instantaneous mixtures.

1139 Probabilistic sequential independent components analysis. **2004**, 15, 838-49 4

1138 Active shape model based segmentation of bone structures in hip radiographs. 8

1137 Bayesian separation of audio-visual speech sources. 7

1136 Independent component analysis for automatic note extraction from musical trills. **2004**, 115, 2295-306 11

1135 Convolutive blind signal separation with post-processing. **2004**, 12, 539-548 44

1134 Blind source separation of PSK and amplitude modulated signals. 1

1133 A high capacity MIMO system based on blind deconvolution.

1132	Semi-blind ICA of FMRI: a method for utilizing hypothesis-derived time courses in a spatial ICA analysis.		3
1131	Independent component analysis by using radial basis function network.		
1130	A spatial truncation approach to the analysis of optical imaging of the retina in humans and cats.		1
1129	Isolation and minimization of effects of motion on fMRI using multiple reference images.		
1128	Blind equalization and estimation of channel using artificial neural networks.		5
1127	Audio Signal Processing for Next-Generation Multimedia Communication Systems. **2004**,		56
1126	Independent component analysis by complex nonlinearities.		23
1125	A new information processing measure for adaptive complex systems. **2004**, 15, 917-27		1
1124	Single microphone source separation using high resolution signal reconstruction.		27
1123	Minimax mutual information approach for independent component analysis. *Neural Computation*, **2004**, 16, 1235-52	2.9	45
1122	Separation of DOAS Measurements Data by Independent Component Analysis. **2004**, 270-273, 703-708		3
1121	GEOMETRIC TOPOLOGY FOR INFORMATION ACQUISITION BY MEANS OF SMART SENSOR WEB. **2004**, 01, 1-22		5
1120	Single-trial lambda wave identification using a fuzzy inference system and predictive statistical diagnosis. **2004**, 1, 21-31		3
1119	Metabolite fingerprinting: detecting biological features by independent component analysis. **2004**, 20, 2447-54		226
1118	An Efficient Time-Frequency Approach to Blind Source Separation Based on Wavelets. **2004**, 1048-1055		5
1117	Independent Component Analysis. **2004**, 15, 529-529		2
1116	Optimal multimodal fusion for multimedia data analysis. **2004**,		132
1115	Research of independent component analysis.		4

1114	Semi-invariant function of Jacobi algorithm in independent component analysis. **2004**,	0
1113	A high capacity MIMO system used on blind deconvolution.	
1112	Estimation of propagation delays using orientation histograms for anechoic blind source separation.	3
1111	Estimation of multiple fiber orientations from diffusion tensor MRI.	
1110	Optimal blind separation of convolutive audio mixtures without temporal constraints.	6
1109	Investigating the performance analysis of EASI algorithm and EKENS algorithm in nonlinear model.	
1108	A blind source separation method based on diagonalization of correlation matrices and genetic algorithm.	3
1107	A method of process monitoring based on blind source separation with denoising information by wavelet transform and its application to chemical process.	
1106	Nonlinear independent component analysis by homomorphic transformation of the mixtures.	2
1105	Polyphonic instrument identification using independent subspace analysis.	4
1104	Practical method for blind inversion of Wiener systems. **2004**,	
1103	Online non-invasive fetal sound analysis. **2004**,	1
1102	ICA filters for lighting invariant face recognition. **2004**,	3
1101	Blind shallow-water acoustic channel estimation using frequency-domain natural gradient algorithm.	
1100	Motion-corrected independent component analysis for robust functional magnetic resonance imaging.	3
1099	A new perceptual convolutive blind source separation algorithm for speech separation.	
1098	Texture classification using kernel independent component analysis. **2004**,	3
1097	Removal of eye blinking artifacts from EEG incorporating a new constrained BSS algorithm. **2004**, 2004, 909-12	5

1096	Stepwise model order estimation in blind source separation applied to ictal EEG. **2004**, 2004, 986-9	3
1095	Embedding EEG data on 3D head modeled using MRI data. **2004**, 2004, 1833-7	1
1094	Mobile agent based progressive multiple target detection in sensor networks.	
1093	. **2004**,	6
1092	Discovering spike patterns in neuronal responses. **2004**, 24, 2989-3001	159
1091	Modular premotor drives and unit bursts as primitives for frog motor behaviors. **2004**, 24, 5269-82	157
1090	Transactions on Rough Sets I. **2004**,	10
1089	Face Recognition Based on Locally Salient ICA Information. **2004**, 1-9	4
1088	Advances in blind source separation (BSS) and independent component analysis (ICA) for nonlinear mixtures. **2004**, 14, 267-92	86
1087	Removal of eye blinking artifacts from EEG incorporating a new constrained BSS algorithm.	1
1086	INDEPENDENT COMPONENT ANALYSIS SEPARATES SEQUENCE-SENSITIVE ERP COMPONENTS. **2004**, 14, 667-678	5
1085	BLIND SOURCE SEPARATION TECHNIQUES FOR DECOMPOSING EVENT-RELATED BRAIN SIGNALS. **2004**, 14, 773-791	25
1084	Electroencephalographic brain dynamics following manually responded visual targets. **2004**, 2, e176	268
1083	A new concept for separability problems in blind source separation. *Neural Computation*, **2004**, 16, 1827-50	27
1082	Improving Clustering Performance by Using Feature Selection and Extraction Techniques. **2004**, 13,	3
1081	MULTICLASS OBJECT RECOGNITION USING CLASS-CONDITIONAL INDEPENDENT COMPONENT ANALYSIS. **2004**, 35, 35-61	
1080	Genetic Algorithms for solving SVM-ICA. **2004**,	
1079	Characterization of fetal arrhythmias by means of fetal magnetocardiography in three cases of difficult ultrasonographic imaging. **2004**, 27, 1647-55	31

1078	A composite ICA algorithm and the application in localization of brain activities. **2004**, 56, 429-434	4
1077	A new fixed-point algorithm for independent component analysis. **2004**, 56, 467-473	20
1076	A geometric algorithm for overcomplete linear ICA. **2004**, 56, 381-398	66
1075	An experimental analysis of the dependence among codeword bit errors in ECOC learning machines. **2004**, 57, 189-214	11
1074	An EM algorithm for learning sparse and overcomplete representations. **2004**, 57, 469-476	8
1073	Cooperative information control for self-organizing maps. **2004**, 62, 225-265	
1072	Source distribution models for blind source separation. **2004**, 57, 501-505	5
1071	Model of granular layer encoding in the cerebellum. **2004**, 58-60, 575-580	13
1070	Classification of individual trials based on the best independent component of EEG-recorded sentences. **2004**, 61, 479-484	6
1069	Expectation□Maximization approaches to independent component analysis. **2004**, 61, 503-512	5
1068	Competitive spiking and indirect entropy minimization of rate code: efficient search for hidden components. **2004**, 98, 407-16	
1067	Employing ICA and SOM for spike sorting of multielectrode recordings from CNS. **2004**, 98, 349-56	18
1066	A neural implementation of the JADE algorithm (nJADE) using higher-order neurons. **2004**, 56, 79-100	12
1065	Target-cluster fusion approach for classifying high resolution IKONOS imagery. **2004**, 151, 241	7
1064	Comparison of two exploratory data analysis methods for fMRI: unsupervised clustering versus independent component analysis. **2004**, 8, 387-98	38
1063	Characterization of event related potentials using information theoretic distance measures. **2004**, 51, 737-43	16
1062	BCI Competition 2003--Data set IIb: enhancing P300 wave detection using ICA-based subspace projections for BCI applications. **2004**, 51, 1067-72	179
1061	Independent component analysis: fetal signal reconstruction from magnetocardiographic recordings. **2004**, 75, 163-77	35

1060	Independent Component Analysis Applied to fMRI Data: A Generative Model for Validating Results. **2004**, 37, 281-291	30
1059	Fetal heart rate monitoring from maternal body surface potentials using independent component analysis. **2004**, 75, 471-478	1
1058	Graphical Models and Automatic Speech Recognition. **2004**, 191-245	16
1057	A new model for time-series forecasting using radial basis functions and exogenous data. **2004**, 13, 101-111	19
1056	Coordination modes in the multisegmental dynamics of hula hooping. **2004**, 90, 176-90	42
1055	An adaptive neuro-fuzzy method (ANFIS) for estimating single-trial movement-related potentials. **2004**, 91, 63-75	6
1054	The primary motor area for voluntary diaphragmatic motion identified by high field fMRI. **2004**, 251, 730-5	7
1053	Independent component analysis for document restoration. **2004**, 7, 17	49
1052	Improving recognition accuracy on structured documents by learning structural patterns. **2004**, 7, 66-76	1
1051	Using independent component analysis to remove artifact from electroencephalographic measured during stuttered speech. **2004**, 42, 627-33	49
1050	Detection of fast neuronal signals in the motor cortex from functional near infrared spectroscopy measurements using independent component analysis. **2004**, 42, 92-9	98
1049	Improved support vector classification using PCA and ICA feature space modification. **2004**, 37, 1117-1129	41
1048	Tissue separation in MR images from supervised to unsupervised classification. **2004**, 15, 185-202	1
1047	Discussion on the choice of separated components in fMRI data analysis by spatial independent component analysis. **2004**, 22, 827-33	21
1046	A method for comparing group fMRI data using independent component analysis: application to visual, motor and visuomotor tasks. **2004**, 22, 1181-91	133
1045	Blind source separation of noisy harmonic signals for rotating machine diagnosis. **2004**, 272, 317-339	39
1044	Analysis of co-articulation regions for performance-driven facial animation. **2004**, 15, 15-26	9
1043	Audio source separation: solutions and problems. **2004**, 18, 299-314	13

1042	Functional connectivity as revealed by spatial independent component analysis of fMRI measurements during rest. **2004**, 22, 165-78	438
1041	Application of independent component analysis with mixture density model to localize brain alpha activity in fMRI and EEG. **2004**, 14, 170-180	6
1040	Comparison of three methods for generating group statistical inferences from independent component analysis of functional magnetic resonance imaging data. **2004**, 19, 365-8	132
1039	Comparison of TCA and ICA techniques in fMRI data processing. **2004**, 19, 397-402	20
1038	Cortex-based independent component analysis of fMRI time series. **2004**, 22, 1493-504	81
1037	Neural learning by geometric integration of reduced rigid-body equations. **2004**, 172, 247-269	24
1036	EEGLAB: an open source toolbox for analysis of single-trial EEG dynamics including independent component analysis. **2004**, 134, 9-21	12595
1035	PSTH-based classification of sensory stimuli using ensembles of single neurons. **2004**, 135, 107-20	99
1034	Optical imaging of intrinsic signals: recent developments in the methodology and its applications. **2004**, 136, 1-21	74
1033	Principal and independent components analysis of overlapping spectra in the context of multichannel time-resolved absorption spectroscopy. **2004**, 60, 2673-93	13
1032	Linear and nonlinear ICA based on mutual information the MISEP method. **2004**, 84, 231-245	28
1031	Injecting noise for analysing the stability of ICA components. **2004**, 84, 255-266	13
1030	Three easy ways for separating nonlinear mixtures?. **2004**, 84, 217-229	32
1029	Hierarchy, priors and wavelets: structure and signal modelling using ICA. **2004**, 84, 283-297	7
1028	Phoneme recognition using ICA-based feature extraction and transformation. **2004**, 84, 1005-1019	48
1027	Blind separation of convolutive mixtures by decorrelation. **2004**, 84, 2297-2313	4
1026	Bifurcating neuron: computation and learning. **2004**, 17, 225-32	12
1025	The fusion of visual lip movements and mixed speech signals for robust speech separation. **2004**, 5, 103-117	7

1024	Robust speech processing using multi-sensor multi-source information fusion□n overview of the state of the art. **2004**, 5, 77-80	10
1023	An information-theoretic methodology for the resolution of pure component spectra without prior information using spectroscopic measurements. **2004**, 70, 147-155	26
1022	Signal separation by independent component analysis and fuzzy estimators. **2004**,	1
1021	Clustered components analysis for functional MRI. **2004**, 23, 85-98	18
1020	Gradient-based manipulation of nonparametric entropy estimates. **2004**, 15, 828-37	23
1019	Incorporation of prior knowledge of chip shapes in blind multiuser detection for DS-CDMA communication. **2004**,	0
1018	Applications of event-related-potential-based brain computer interface to intelligent transportation systems.	1
1017	Cardiac sound separation.	6
1016	Independent component analysis with feature selective filtering.	
1015	A noisy nonlinear independent component analysis.	
1014	Improved process monitoring with Independent Components.	3
1013	Basic face animation mode extraction by ICA.	
1012	Face recognition: a review and comparison of HMM, PCA, ICA and neural networks.	3
1011	Mixed-signal real-time adaptive blind source separation.	9
1010	Fast fixed-point neural blind-deconvolution algorithm. **2004**, 15, 455-9	27
1009	.	7
1008	Enhanced ICA mixture model for image segmentation.	1
1007	Dynamic probability estimator for machine learning. **2004**, 15, 298-308	3

1006 Signal extensions in independent component analysis and its application for real-time processing.

1005 . 5

1004 Meta-heuristics hybridizing independent component analysis with genetic algorithms.

1003 A comparison of subspace methods for accurate position measurement. 1

1002 Face recognition: using principal components and independent components. 2

1001 Entropy-based kernel mixture modeling for topographic map formation. **2004**, 15, 850-8 18

1000 .

999 An algorithm for real-time independent component analysis in dynamic environments.

998 .

997 Information-theoretic approach to multichannel signal extraction by multiple interference cancellation in electrochemical array data.

996 Advances on BYY harmony learning: information theoretic perspective, generalized projection geometry, and independent factor autodetermination. **2004**, 15, 885-902 39

995 A general framework for learning rules from data. **2004**, 15, 1333-49 19

994 ICA method for speckle signals [blind source separation application]. 1

993 .

992 Adaptive Blind Separation with an Unknown Number of Sources. *Neural Computation*, **2004**, 16, 1641-1660 29 24

991 . 1

990 Extraction of mass spectra and chromatographic profiles from overlapping GC/MS signal with background. **2004**, 76, 5143-8 72

989 Independent component analysis applied to the P600 component of event-related potentials. **2004**, 2006, 80-3 7

988	Automatic correction of ocular artifacts in the EEG: a comparison of regression-based and component-based methods. **2004**, 53, 105-105	0
987	Validating the independent components of neuroimaging time series via clustering and visualization. **2004**,	7
986	Modeling & Analysis. **2004**, 22, e1393-e1900	1
985	Aberrant localization of synchronous hemodynamic activity in auditory cortex reliably characterizes schizophrenia. **2004**, 55, 842-9	86
984	Independent component analysis based on nonparametric density estimation. **2004**, 15, 55-65	104
983	A robust and precise method for solving the permutation problem of frequency-domain blind source separation. **2004**, 12, 530-538	312
982	Blind identification and source separation in 2/spl times/3 under-determined mixtures. **2004**, 52, 11-22	57
981	CuBICA: independent component analysis by simultaneous third- and fourth-order cumulant diagonalization. **2004**, 52, 1250-1256	51
980	Multichannel blind deconvolution of nonminimum-phase systems using filter decomposition. **2004**, 52, 1430-1442	16
979	Adaptive blind deconvolution of linear channels using Renyi's entropy with Parzen window estimation. **2004**, 52, 1489-1498	33
978	Nonparametric hypothesis tests for statistical dependency. **2004**, 52, 2234-2249	15
977	Stochastic correlative learning algorithms. **2004**, 52, 2200-2209	12
976	Image Similarity Using Mutual Information of Regions. **2004**, 596-607	92
975	Blind Source Separation for Convolutive Mixtures: A Unified Treatment. **2004**, 255-293	56
974	Advanced Image Processing Techniques for Remotely Sensed Hyperspectral Data. **2004**,	75
973	Fast algorithms for mutual information based independent component analysis. **2004**, 52, 2690-2700	28
972	Removal of EMG and ECG artifacts from EEG based on wavelet transform and ICA. **2004**, 2006, 392-5	24
971	Self-adaptive blind source separation based on activation functions adaptation. **2004**, 15, 233-44	35

970	From blind signal extraction to blind instantaneous signal separation: criteria, algorithms, and stability. **2004**, 15, 859-73	65
969	Spline neural networks for blind separation of post-nonlinear-linear mixtures. **2004**, 51, 817-829	7
968	A blind source separation algorithm using particle swarm optimization.	
967	Blind source separation and Kalman filter-based speech enhancement in a car environment.	0
966	A comparative survey on removal of MECG artifacts from FECG using ICA algorithms.	1
965	Digital Watermarking. **2004**,	
964	Blind source extraction from convolutive mixtures in ill-conditioned multi-input multi-output channels. **2004**, 51, 1814-1822	10
963	Mining event-related brain dynamics. **2004**, 8, 204-10	1033
962	Columnar resolution of blood volume and oximetry functional maps in the behaving monkey; implications for FMRI. **2004**, 42, 843-54	85
961	Automatic correction of ocular artifacts in the EEG: a comparison of regression-based and component-based methods. **2004**, 53, 105-19	214
960	Monitoring of eye movement and its use for artifact elimination. **2004**, 1270, 134-137	3
959	Independence or non-negativity: constraints for sensory coding. **2004**, 1269, 38-41	
958	Least-dependent-component analysis based on mutual information. **2004**, 70, 066123	111
957	A speech encryption algorithm based on blind source separation.	1
956	Probabilistic independent component analysis for functional magnetic resonance imaging. **2004**, 23, 137-52	1879
955	Hybridizing Genetic Algorithms with ICA in Higher Dimension. **2004**, 414-421	8
954	Cumulant-Based Blind Separation of Convolutive Mixtures. **2004**, 672-677	
953	Theoretical Method for Solving BSS-ICA Using SVM. **2004**, 256-262	

952	Neural-ICA and wavelet transform for artifacts removal in surface EMG.	35
951	. **2004**, 34, 407-416	24
950	Utilization of information maximum for condition monitoring with applications in a Machining Process and a water pump. **2004**, 9, 711-714	5
949	Erratum. **2004**, 9, 714-714	
948	Separation of diffuse and specular components of surface reflection by use of polarization and statistical analysis of images. **2004**, 26, 639-47	108
947	Localization-based sensor validation using the Kullback-Leibler divergence. **2004**, 34, 1007-16	9
946	Enhanced independent component analysis and its application to content based face image retrieval. **2004**, 34, 1117-27	52
945	Phase-based dual-microphone robust speech enhancement. **2004**, 34, 1763-73	61
944	Automated interictal spike detection and source localization in magnetoencephalography using independent components analysis and spatio-temporal clustering. **2004**, 115, 508-22	69
943	Effects of total sleep-deprivation on waking human EEG: functional cluster analysis. **2004**, 115, 2825-33	8
942	One-unit Rigid-bodies learning rule for principal/independent component analysis with application to ECT-NDE signal processing. **2004**, 56, 233-255	5
941	Application of independent component analysis to magnetic resonance imaging for enhancing the contrast of gray and white matter. **2004**, 21, 251-60	36
940	The chronoarchitecture of the human brain--natural viewing conditions reveal a time-based anatomy of the brain. **2004**, 22, 419-33	147
939	Validating the independent components of neuroimaging time series via clustering and visualization. **2004**, 22, 1214-22	854
938	ICA-based robust logo image watermarking. **2004**, 5306, 162	6
937	Novel algorithm for independent component analysis with flexible score functions.	1
936	Blind source separation of nerve cuff recordings. **2004**, 2006, 95-8	2
935	Nonlinear blind source separation based on radial basis function.	

934	Improved Infomax algorithm of independent component analysis applied to fMRI data. **2004**,	2
933	Conjugate gradient approach to blind separation of temporally correlated signals.	1
932	Blind source separation: neural net principles and applications. **2004**, 5439, 1	1
931	A novel adaptive algorithm for the blind separation of periodic sources.	
930	Multiplicative neural noise can favor an independent components representation of sensory input. **2004**, 15, 291-311	
929	A Framework for Evaluating ICA Methods of Artifact Removal from Multichannel EEG. **2004**, 1033-1040	15
928	Dipole source localisation using independent component analysis: single trial localisation of laser evoked pain. **2004**, 2006, 403-6	1
927	ICA photographic encoding gear: image bases towards IPEG.	1
926	Frequency-Domain Separation Algorithms for Instantaneous Mixtures. **2004**, 666-671	
925	Geometrical ICA-Based Method for Blind Separation of Super-Gaussian Signals. **2004**, 350-357	1
924	Multichannel Speech Separation Using Adaptive Parameterization of Source PDFs. **2004**, 486-493	4
923	Minimax Mutual Information Approach for ICA of Complex-Valued Linear Mixtures. **2004**, 311-318	1
922	Separation Performance of ICA Algorithms on FECG and MECG Signals Contaminated by Noise. **2004**, 184-190	2
921	Enhanced ICA Mixture Model for Unsupervised Classification. **2004**, 205-214	2
920	Underdetermined Independent Component Analysis by Data Generation. **2004**, 445-452	3
919	ICA Using Kernel Entropy Estimation with NlogN Complexity. **2004**, 422-429	6
918	Adaptive Cross-Channel Interference Cancellation on Blind Source Separation Outputs. **2004**, 857-864	4
917	System Identification of an Open-Frame ROV Using a Low-Cost Inertial Measurement Unit. **2004**, 37, 157-162	1

916	A Gaussian Mixture Based Maximization of Mutual Information for Supervised Feature Extraction. **2004**, 271-278	5
915	A Step by Step Optimization Approach to Independent Component Analysis. **2005**, 955-960	
914	POLYNOMIAL MATRIX APPROACH TO INDEPENDENT COMPONENT ANALYSIS: (PART I) BASICS. **2005**, 38, 1011-1016	3
913	Collective Information Maximization for Self-Organizing Maps.	
912	Design of Low-Cost FPGA Hardware for Real-time ICA-Based Blind Source Separation Algorithm. **2005**, 2005, 1	7
911	Feature Selection and Blind Source Separation in an EEG-Based Brain-Computer Interface. **2005**, 2005, 1	36
910	Nonlinear signals separation of adaptive natural gradient learning. **2005**,	1
909	Separating patterns and finding the independent components of mixed signals based on non-Gaussian distribution properties. **2005**, 5909, 460	
908	A comparison between FastICA and KernelICA in remote sensing imagery classification.	1
907	Compensation of intra-frame head motion in PET data with motion corrected independent component analysis (MCICA). **2005**,	
906	Sequential collaborative processing for energy efficiency and fault tolerance in unattended ground sensor networks. **2005**, 5796, 318	
905	A comparison of PCA/ICA for data preprocessing in remote sensing imagery classification. **2005**, 6044, 60	1
904	Comparative study of face recognition techniques using joint transform correlation and independent component analysis. **2005**,	
903	Evaluating Speech Separation Systems. **2005**, 295-304	3
902	Blind Source Separation Using Graphical Models. **2005**, 55-64	
901	Underdetermined Blind Separation of Speech Signals with Delays in Different Time-Frequency Domains. **2005**, 136-163	3
900	Boosted Independent Features for Face Expression Recognition. **2005**, 137-146	1
899	Synthesis of blind source separation algorithms on reconfigurable FPGA platforms. **2005**, 5818, 153	1

898	Subpixel target detection in hyperspectral data using higher order statistics source separation algorithms. **2005**, 5674, 424	0
897	Efficient Coding for Natural Images Based on the Sparseness of Neural Coding in V1 across the Stimuli.	
896	Some relationships between minimum Bayes error and information theoretical feature extraction. **2005**,	1
895	Independent Component Analysis of Spatiotemporal Chaos. **2005**, 74, 1661-1665	2
894	.	3
893	Optimal kernels for unsupervised learning.	
892	Aquaculture Feature Extraction from Satellite Image Using Independent Component Analysis. **2005** , 660-666	2
891	Blind signal separation: mathematical foundations of ICA, sparse component analysis, and other techniques. **2005**,	
890	Blind separation of multiple vehicle signatures in frequency domain. **2005**,	
889	Blind source separation: new tools for extraction of source signals and denoising. **2005**,	6
888	Blind separation of a dynamic image source from superimposed reflections. **2005**,	1
887	Fetal Magnetocardiography. **2005**, 1-40	8
886	Biomedical-Image Classification Methods and Techniques. **2005**,	1
885	Blind Identification and Deconvolution for Noisy Two-Input Two-Output Channels. **2005**, 502-507	0
884	Post-nonlinear Blind Source Separation Using Neural Networks with Sandwiched Structure. **2005**, 478-483	5
883	Using Cointegration to Hedge and Trade International Equities. **2005**, 41-69	4
882	Atrial activity extraction from atrial fibrillation episodes based on maximum likelihood source separation. **2005**, 85, 523-535	19
881	Fast kernel entropy estimation and optimization. **2005**, 85, 1045-1058	29

880	On the entropy minimization of a linear mixture of variables for source separation. **2005**, 85, 1029-1044	16
879	An information theoretic approach to a novel nonlinear independent component analysis paradigm. **2005**, 85, 997-1028	7
878	A unifying model for blind separation of independent sources. **2005**, 85, 1419-1427	32
877	Blind source separation of positive and partially correlated data. **2005**, 85, 1711-1722	39
876	Blind source separation using order statistics. **2005**, 85, 1744-1758	9
875	Effect of independent component analysis on multifractality of EEG during visual-motor task. **2005**, 85, 2112-2123	19
874	Novel sparse component analysis approach to free radical EPR spectra decomposition. **2005**, 175, 242-55	19
873	Independent component analysis of neural populations from multielectrode field potential measurements. **2005**, 145, 213-32	8
872	Improved local learning rule for information maximization and related applications. **2005**, 18, 261-265	39
871	Implicit, view invariant, linear flexible shape modelling. **2005**, 26, 433-447	6
870	Using ICA for removal of ocular artifacts in EEG recorded from blind subjects. **2005**, 18, 998-1005	58
869	A network model for blind source extraction in various ill-conditioned cases. **2005**, 18, 1348-56	6
868	The equivalence of two-dimensional PCA to line-based PCA. **2005**, 26, 57-60	69
867	A new scheme for extraction of affine invariant descriptor and affine motion estimation based on independent component analysis. **2005**, 26, 1244-1255	20
866	Blind source separation of more sources than mixtures using sparse mixture models. **2005**, 26, 2491-2499	10
865	Condition monitoring with mean field independent components analysis. **2005**, 19, 1337-1347	21
864	Blind source separation of internal combustion engine piston slap from other measured vibration signals. **2005**, 19, 1196-1208	31
863	Separation of combustion noise and piston-slap in diesel engine Part II: Separation of combustion noise and piston-slap using blind source separation methods. **2005**, 19, 1218-1229	33

862	Decoding speech in the presence of other sources. **2005**, 45, 5-25	81
861	Bio-computational model of object-recognition: quantum Hebbian processing with neurally shaped Gabor wavelets. **2005**, 82, 116-26	8
860	An automated palmprint recognition system. **2005**, 23, 501-515	186
859	Database retrieval for similar images using ICA and PCA bases. **2005**, 18, 705-717	32
858	What are Textons?. **2005**, 62, 121-143	6
857	ERPs differentiate syllable and nonphonetic sound processing in children and adults. **2005**, 42, 391-406	91
856	Analyzing receptive fields, classification images and functional images: challenges with opportunities for synergy. **2005**, 8, 1651-6	53
855	Principal component analysis and blind source separation of modulated sources for electro-mechanical systems diagnostic. **2005**, 19, 1293-1311	40
854	What is novel in the novelty oddball paradigm? Functional significance of the novelty P3 event-related potential as revealed by independent component analysis. **2005**, 22, 309-21	205
853	A method for detection of Alzheimer's disease using ICA-enhanced EEG measurements. **2005**, 33, 209-22	44
852	A BFGS-ICA algorithm and application in localization of brain activities. **2005**, 64, 513-519	1
851	Unsupervised learning with stochastic gradient. **2005**, 68, 130-160	5
850	On model identifiability in analytic postnonlinear ICA. **2005**, 64, 223-234	4
849	A fast fixed-point algorithm for complexity pursuit. **2005**, 64, 529-536	18
848	Tools for application-driven linear dimension reduction. **2005**, 67, 136-160	18
847	Lattice duality: The origin of probability and entropy. **2005**, 67, 245-274	40
846	A general solution to blind inverse problems for sparse input signals. **2005**, 69, 198-215	10
845	An alternative switching criterion for independent component analysis (ICA). **2005**, 68, 267-272	2

844	Detecting evoked potentials with SVD- and ICA-based statistical models. **2005**, 24, 51-8	5
843	Spatiotemporal blind source separation approach to atrial activity estimation in atrial tachyarrhythmias. **2005**, 52, 258-67	93
842	. **2005**, 43, 175-187	237
841	Functional principal component analysis of fMRI data. **2005**, 24, 109-29	101
840	Source density-driven independent component analysis approach for fMRI data. **2005**, 25, 297-307	15
839	Survey of sparse and non-sparse methods in source separation. **2005**, 15, 18-33	100
838	Unsupervised learning of nonlinear dependencies in natural images. **2005**, 15, 34-47	3
837	Sparse ICA for blind separation of transmitted and reflected images. **2005**, 15, 84-91	68
836	Independent component analysis: a new possibility for analysing series of electron energy loss spectra. **2005**, 102, 327-37	43
835	Using virtual reality to study alcohol intoxication effects on the neural correlates of simulated driving. **2005**, 30, 285-306	32
834	Mental tasks discrimination by neural networks with wavelet transform. **2005**, 11, 933-942	3
833	Stochastic correlative firing for figure-ground segregation. **2005**, 92, 192-8	3
832	Spike coding from the perspective of a neurone. **2005**, 6, 157-76	13
831	Event-related potential correlates selectively reflect cognitive dysfunction in schizophrenics. **2005**, 112, 283-95	19
830	Extraction of gastric slow waves from electrogastrograms: combining independent component analysis and adaptive signal enhancement. **2005**, 43, 245-51	18
829	Removal of eye blinking artifact from the electro-encephalogram, incorporating a new constrained blind source separation algorithm. **2005**, 43, 290-5	32
828	Tracking and detection of epileptiform activity in multichannel ictal EEG using signal subspace correlation of seizure source scalp topographies. **2005**, 43, 764-70	4
827	A Bayesian method for identifying independent sources of non-random spatial patterns. **2005**, 15, 329-339	

826	What are Textons?. **2005**, 62, 121-143		118
825	Feature Extraction Using Independent Components of Each Category. **2005**, 22, 113-124		6
824	A Learning Rule to Model the Development of Orientation Selectivity in Visual Cortex. **2005**, 21, 1-20		4
823	A Resampling Test for the Total Independence of Stationary Time Series: Application to the Performance Evaluation of ICA Algorithms. **2005**, 22, 311-324		6
822	Clustering of early cortical responses to median nerve stimulation from average and single trial MEG and EEG signals. **2005**, 17, 219-36		3
821	A Learning Framework for Blind Source Separation Using Generalized Eigenvalues. **2005**, 472-477		1
820	A Cascaded Ensemble Learning for Independent Component Analysis. **2005**, 949-954		
819	One-Bit-Matching ICA Theorem, Convex-Concave Programming, and Combinatorial Optimization. **2005**, 5-20		4
818	A New Approach to Clustering and Object Detection with Independent Component Analysis. **2005**, 558-566		
817	An improved acoustic microimaging technique with learning overcomplete representation. **2005**, 118, 3706-3720		9
816	Nonlinear and noisy extension of independent component analysis: theory and its application to a pitch sensation model. *Neural Computation*, **2005**, 17, 115-44	2.9	8
815	A Further Result on the ICA One-Bit-Matching Conjecture. *Neural Computation*, **2005**, 17, 331-334	2.9	9
814	A Note on Stone's Conjecture of Blind Signal Separation. *Neural Computation*, **2005**, 17, 321-330	2.9	46
813	On convergence conditions of an extended projection neural network. *Neural Computation*, **2005**, 17, 515-25	2.9	24
812	Removal of Ocular Artifacts from EEG—A Survey. **2005**, 51, 121-130		15
811	Digits speech recognition based on ICA and geometrical learning. **2005**,		1
810	Maximum Entropy Guide for BSS. **2005**,		
809	Blind source separation of acoustic signals in realistic environments based on ICA in the time-frequency domain. **2005**, 1, 89-100		4

808	Advances in Electromagnetic Fields in Living Systems. **2005**,		8
807	The Ferrier Lecture 1995 behind the seen: the functional specialization of the brain in space and time. **2005**, 360, 1145-83		49
806	The chronoarchitecture of the cerebral cortex. **2005**, 360, 733-50		74
805	Separation of spinal cord motor signals using the FastICA method. **2005**, 2, 90-6		6
804	Biological and Artificial Intelligence Environments. **2005**,		
803	Estimation of locating the multiconductivity distribution in electrical impedance tomography using ICA. **2005**,		
802	Improved watermark detection for spread-spectrum based watermarking using independent component analysis. **2005**,		3
801	Simultaneous monitoring of separate fetal magnetocardiographic signals in twin pregnancy. **2005**, 26, 193-201		11
800	On the slow convergence of EM and VBEM in low-noise linear models. *Neural Computation*, **2005**, 17, 1921-1926	2.9	22
799	Artifact reduction in magnetogastrography using fast independent component analysis. **2005**, 26, 1059-73		30
798	A posteriori respiratory gating in contrast ultrasound for assessment of hepatic perfusion. **2005**, 50, 4465-80		37
797	ICA and Committee Machine-Based Algorithm for Cursor Control in a BCI System. **2005**, 973-978		7
796	Rotation sensitivity of independent component analysis to outliers.		2
795	Transient phase synchrony of independent cognitive components underlying scalp EEG. **2005**, 2005, 2037-40		2
794	Blind source separation for time-variant mixing systems using piecewise linear approximations.		4
793	An alternative natural gradient approach for multichannel blind deconvolution.		
792	A Comparison of Time, Frequency and ICA Based Features and Five Classifiers for Wrist Movement Classification in EEG Signals. **2005**, 2005, 2118-21		13
791	A Binary Tree for Probability Learning in Eye Detection.		

790	Nonlinear complex-valued extensions of Hebbian learning: an essay. *Neural Computation*, **2005**, 17, 779-838	23
789	Facial feature extraction by kernel independent component analysis.	4
788	Bayesian blind source separation for brain imaging. **2005**,	
787	Limitations of ICA for Artefact Removal. **2005**, 2005, 4685-8	10
786	A consideration of blind source separation for non-linear mixture. **2005**,	
785	Complexity of time series associated to dynamical systems inferred from independent component analysis. **2005**, 72, 046712	25
784	Blind extraction of a dominant source from mixtures of many sources using ICA and time-frequency masking.	5
783	A Combined On-Line PCA-ICA Algorithm for Blind Source Separation. **2005**,	3
782	Fields of Experts: a framework for learning image priors.	367
781	A Combined Independent Component Analysis (ICA)/ Empirical Mode Decomposition (EMD) Method to Infer Corticomuscular Coupling.	6
780	Removing eye movement and power line artifacts from the EEG based on ICA. **2005**, 2005, 6017-20	6
779	Spatio-temporal analysis of P300 using ICA and SSLOFO.	
778	CRLS-PCA based independent component analysis for fMRI study. **2005**, 2005, 5904-7	2
777	Single-trial analysis of the auditory n100 component. **2005**, 2005, 4492-5	1
776	Overcomplete Blind Source Separation by Combining ICA and Binary Time-Frequency Masking.	4
775	Neuronal Chronometry of Target Detection: Fusion of Hemodynamic and Event-Related Potential Data.	1
774	Biometric Systems. **2005**,	155
773	Coordination of locomotion with voluntary movements in humans. **2005**, 25, 7238-53	302

772	Algorithmic Learning Theory. **2005**,		4
771	BSS Toolbox for delayed and convolved mixtures.		
770	Blind extraction of a dominant source signal from mixtures of many sources [audio source separation applications].		11
769	Neural network classification of EEG signals using time-frequency representation.		
768	Measuring Statistical Dependence with Hilbert-Schmidt Norms. **2005**, 63-77		420
767	Generalized Bienenstock-Cooper-Munro rule for spiking neurons that maximizes information transmission. **2005**, 102, 5239-44		74
766	Fundamentals, Challenges, and Advances of Statistical Learning for Knowledge Discovery and Problem Solving: A BYY Harmony Perspective.		
765	A theory of cortical responses. **2005**, 360, 815-36		2421
764	Independent Component Analysis. **2005**,		11
763	An ICA based approach for blind deconvolution of three-dimensional signals.		
762	Source adaptivity for cardiac sound separation. **2005**,		
761	MRS classification based on independent component analysis and support vector machines. **2005**,		1
760	A Simple and Flexible Nonlinearty Approach to Independent Component Analysis.		
759	Improvement for Nonnegative PCA Algorithm for Independent Component Analysis.		2
758	.		1
757	An independent component analysis approach to perfusion weighted imaging.		
756	Advances in Neural Networks ISNN 2005. **2005**,		0
755	A hierarchical Bayesian model for learning nonlinear statistical regularities in nonstationary natural signals. *Neural Computation*, **2005**, 17, 397-423	2.9	91

754 Multi-way clustering of microarray data using probabilistic sparse matrix factorization. **2005**, 21 Suppl 1, i144-51 41

753 Nonparametric density estimation based independent component analysis via particle swarm optimization. 2

752 A novel approach for ear recognition based on ICA and RBF network. **2005**, 18

751 Simulated Annealing Based-GA Using Injective Contrast Functions for BSS. **2005**, 585-592 2

750 Combination of ICA and SOM for Classification of Machine Condition Patterns. **2005**, 295-296, 643-648

749 Electrophysiology in the study of developmental language impairments: Prospects and challenges for a top-down approach. **2005**, 26, 79-96 8

748 Central and sensory contributions to the activation and organization of muscle synergies during natural motor behaviors. **2005**, 25, 6419-34 303

747 Blind Source Separation with Wavelet Based ICA Technique Using Kurtosis. **2013**,

746 Efficient Blind Image Separation Using Finite Ridgelet Transform. **2013**,

745 The Categorical Imperative: Category Theory in Cognitive and Brain Science. **2014**, 33-63

744 From Cells to Memories: A Categorical Approach. **2014**, 161-166

743 Initial Weighting Establishment Through Eigenanalysis for BSS in Two-by-two Delayed Mixture. **2013**, 8, 1451-1456

742 Time and Motion. **2013**, 287-302

741 Sparse Representation for Image Super-Resolution. **2014**, 123-150 1

740 Filtration of Airwave in Seabed Logging Using Principal Component Analysis. **2014**, 56-64

739 Subband-Based Blind Source Separation and Permutation Alignment. **2014**, 97-130

738 Speech Separation and Extraction by Combining Superdirective Beamforming and Blind Source Separation. **2014**, 323-348

737 Exploratory Analysis of Brain with ICA. **2014**, 435-463

736 Target-Driven Visual Words Representation via Conditional Random Field and Sparse Coding. **2014**, 697-705

735 A semi-blind source separation method for differential optical absorption spectroscopy of atmospheric gas mixtures. **2014**, 8, 587-610

734 Application of Electrode Arrays for Artifact Removal in an Electromyographic Silent Speech Interface. **2014**, 300-312

733 Complexit du codage neuronal. **2014**,

732 Effect of Binocular Cortical Misalignment on Networks of BCM and Oja Neurons. **1997**, 491-495

731 A Class of Cost Functions for Independence. **1997**, 3-17

730 Gaussian Mixture and Kernel Based Approaches to Blind Separation of Sources Using Neural Nets. **1998**, 869-874

729 A Study on Functional-Link Neural Units with Maximum Entropy Response. **1998**, 493-498 0

728 Polynomial Clusterons Exhibit Statistical Estimation Abilities. **1999**, 113-119

727 Automatic Diagnostics and Processing of EEG. **2015**, 253-312

726 Functional Connectivity MR Imaging. **2015**, 83-104

725 Machine Recognition in Complex Domain. **2015**, 131-165

724 Feature Extraction Methods and Manifold Learning Methods. **2015**, 341-386 2

723 Advanced Spectral Methods and Their Potential in Forecasting Fuzzy-Valued and Multivariate Financial Time Series. **2015**, 129-140

722 Topic Modeling for Speech and Language Processing. **2015**, 87-111 1

721 Speech for controlling computers. **2015**, 135-160

720 Bio-Inspired and Information-Theoretic Signal Processing. **2015**, 493-532

719 Improvement of convergence speed in FDICA algorithm with weighted inner product constraint of unmixing matrix. **2015**, 7, 17-25

718 Rate-adaptive Bayesian independent component analysis. **2016**, 10, 1

717 Methods. **2016**, 17-33

716 Encyclopedia of Social Network Analysis and Mining. **2016**, 1-5 1

715 Information Maximization in a Feedforward Network Replicates the Stimulus Preference of the Medial Geniculate and the Auditory Cortex. **2016**, 183-190 1

714 Double Talk Processing using Blind Signal Separation in Acoustic Echo Canceller. **2016**, 12, 43-50

713 Reading out olfactory receptors: feedforward circuits detect odors in mixtures without demixing. 1

712 Preparatory encoding of the fine scale of human spatial attention.

711 Colored Independent Component Analysis. **2016**, 263-305

710 Group Blind Source Separation (GBSS). **2016**, 307-359

709 Polynomial Spline Independent Component Analysis with Application to fMRI Data. **2016**, 227-261

708 Independent Component Analysis: An Overview. **2016**, 215-226

707 Electroencephalography (EEG): Neurophysics, Experimental Methods, and Signal Processing. **2016**, 215-242

706 Online Blind Channel Normalization Using BPF-Based Modulation Frequency Filtering. **2016**, 38, 1190-1196

705 Blind Audio Source Separation Using Independent Component Analysis and Independent Vector Analysis. 174-174

704 Study of a Multiuser Kurtosis Algorithm and an Information Maximization Algorithm for Blind Source Separation. **2017**, 619-631

703 Integration of bio-inspired, control-based visual and olfactory data for the detection of an elusive target. **2017**,

702 An Affordable Bio-Sensing and Activity Tagging Platform for HCI Research. **2017**, 399-409 1

701 Acoustic Source Localization by Combination of Supervised Direction-of-Arrival Estimation with Disjoint Component Analysis. **2017**, 99-108 1

700	Dimensionality Reduction. **2017**, 105-119	
699	Underdetermined Mixture Matrix Estimation Based on Neural Network and Genetic Algorithm. **2017**, 890-898	
698	Multimodal neural correlates of cognitive control in the Human Connectome Project.	
697	10-Month-Old Infants Are Sensitive to the Time Course of Perceived Actions: Evidence From a Study Combining Eye-tracking and EEG.	
696	Alpha oscillations during incidental encoding predict subsequent memory for new [illegible] information.	2
695	Altered neurocognitive processing of tactile stimuli in patients with Complex Regional Pain Syndrome (CRPS).	
694	Estimation of Direction of Arrival of Fish Calls in a Chorus Using Stereo Hydrophones. **2017**, 51, 68-75	
693	Catecholamines Alter the Intrinsic Variability of Cortical Population Activity and Perception.	0
692	Expect to neglect: Cross-modal resource allocation in anticipation of visual load.	
691	Aberrant brain response after auditory deviance in PTSD compared to trauma controls: An EEG study.	
690	Multi-band component analysis for EEG artifact removal and source reconstruction with application to gamma-band activity.	
689	Vagal nerve stimulation triggers widespread responses and alters large-scale functional connectivity in the rat brain.	1
688	Temporal metacognition as the decoding of self-generated brain dynamics.	0
687	A clustering neural network model of insect olfaction.	2
686	Decoding the Tradeoff between Encoding and Retrieval to Predict Memory for Overlapping Events.	
685	Task-Evoked Functional Connectivity Does Not Explain Functional Connectivity Differences Between Rest and Task Conditions.	
684	Muticriteria Decision Making Based on Independent Component Analysis: A Preliminary Investigation Considering the TOPSIS Approach. **2018**, 568-577	
683	Encyclopedia of Social Network Analysis and Mining. **2018**, 1062-1067	

682	Non-Selective Suppression of Inappropriate Motor-Tendencies During Response-Conflict by a Fronto-Subthalamic Mechanism for Inhibitory Control.	
681	Neural signatures of the processing of temporal patterns in sound.	
680	Neural representations of aversive value encoding in pain catastrophizers.	
679	Excitability regulation in the dorsomedial prefrontal cortex during sustained instructed fear responses: a TMS-EEG study.	0
678	Rank based Least-squares Independent Component Analysis. **2018**, 14, 247-266	
677	Decoding Selective Attention to Context Memory: An Aging Study.	
676	Unsupervised Extraction of Epidemic Syndromes from Participatory Influenza Surveillance Self-reported Symptoms.	0
675	Optic nerve intraneural stimulation allows selective visual cortex activation.	
674	Fast fronto-parietal cortical dynamics of conflict detection and context updating in a flanker task.	
673	Separation of small targets in multi-wavelength mixtures based on statistical independence. **2018**,	
672	Subjective perceptual experience tracks the neural signature of sensory evidence accumulation during decision formation.	2
671	Environmental association identifies candidates for tolerance to low temperature and drought.	
670	Identification of negative BOLD responses using windkessel models.	
669	The Principles of Adaptation in Recognition and Behavior. **2018**, 25, 86-103	
668	Cue-related phase reset accounts for age differences in phasic alerting.	
667	Hyperconnectivity of the default mode network in multiorgan dysfunction syndrome.	
666	How Many Channels are Enough? Evaluation of Tonic Cranial Muscle Artefact Reduction Using ICA with Different Numbers of EEG Channels. **2018**,	2
665	Automated EEG mega-analysis II: Cognitive aspects of event related features.	3

664	Modeling Cortical Neural Circuits with the Infomax Principle. **2018**, 25, 104-112	
663	Unsupervised Multichannel Equalization. **2018**, 169-208	
662	Automated EEG mega-analysis I: Spectral and amplitude characteristics across studies.	3
661	Subcortical theta oscillations alternate with high amplitude neocortical population within synchronized states.	
660	Detecting object boundaries in natural images requires [i]ncitatory[]cell-cell interactions.	1
659	Multi-context blind source separation by error-gated Hebbian rule.	
658	Differential generation of saccade, fixation and image onset event-related potentials in the human mesial temporal lobe.	2
657	Comparison study of fast independent component analysis and constrained independent component analysis. **2018**, 20, 57-63	1
656	Previewing a face in the periphery reduces the fN170: Combined EEG and eye-tracking suggests two stages of trans-saccadic predictive processes.	1
655	Modulation of large-scale cortical coupling by transcranial alternating current stimulation.	1
654	Spatiotemporal neural correlates of brain-computer interface learning.	
653	Fusing Concurrent EEG and fMRI Intrinsic Networks. **2019**, 1-23	
652	The effects of aging on neural signatures of temporal regularity processing in sounds.	1
651	Single-Trial Analysis. **2019**, 191-214	1
650	1090ES ADS-B Overlapped Signal Separation Research Based on Infomax Extension. **2019**, 99-107	
649	Evaluation of self-generated behavior: untangling metacognitive read-out and error detection.	
648	Fusing Concurrent EEG and fMRI Intrinsic Networks. **2019**, 293-315	1
647	Stimulus-aware spatial filtering for single-trial neural response and temporal response function estimation in high-density EEG with applications in auditory research.	0

646	Integrated Open-Source Software for Multiscale Electrophysiology.	1
645	Rapid neural representations of personally relevant faces.	
644	Motion Sickness Measurement and Analysis in Virtual Reality using Deep Neural Networks Algorithm. **2019**, 25, 23-32	2
643	Sparse Infomax Based on Hoyer Projection and its Application to Simulated Structural MRI and SNP Data.	0
642	Independent component analysis-based tissue clutter filtering for plane wave perfusion ultrasound imaging. **2019**,	2
641	Implicit learning and exploitation of regularities involve hippocampal and prefrontal theta activity.	
640	BOLD and EEG Signal Variability at Rest Differently Relate to Aging in the Human Brain.	1
639	Efficient phase coding in hippocampal place cells.	
638	The Effect of Aging, Parkinson's Disease, and Exogenous Dopamine on the Neural Response Associated with Auditory Regularity Processing.	
637	Binaural Beats through the auditory pathway: from brainstem to connectivity patterns.	0
636	Brain Structural Magnetic Resonance Imaging for Joint Independent Component Analysis in Schizophrenic Patients. **2019**, 15, 471-478	1
635	Revealing the neural networks that extract conceptual gestalts from continuously evolving or changing semantic contexts.	1
634	Quantification of anticipation of excitement with three-axial model of emotion with EEG.	1
633	The Geometry of Masking in Neural Populations.	
632	Temporal cascade of frontal, motor and muscle processes underlying human action-stopping.	2
631	Natural Music Evokes Correlated EEG Responses Reflecting Temporal Structure and Beat.	
630	Challenges to pooling models of crowding: Implications for visual mechanisms. **2019**, 19, 15	7
629	Identification of selection and inhibition components in a Go/NoGo task from EEG spectra using a machine learning model.	0

628	Autonomous emergence of connectivity assemblies via spike triplet interactions.	1
627	Dynamic synergetic configurations of resting-state networks in ADHD.	
626	Cognitive control depletion reduces pre-stimulus and recollection-related measures of strategic retrieval. **2019**, 4, 120	2
625	A Combination Method of Deep Learning Speech Separation and Independent Vector Analysis on Multi-channel Source Separation. **2019**,	
624	Neuro-Current Response Functions: A Unified Approach to MEG Source Analysis under the Continuous Stimuli Paradigm.	0
623	Cognitive control depletion reduces pre-stimulus and recollection-related measures of strategic retrieval. **2019**, 4, 120	2
622	Cortical Auditory Evoked Potentials Elicited by Spanish Words: An Equivalent Current Dipoles Clustering Study. **2020**, 98-103	
621	Nonlinear convergence boosts information coding in circuits with parallel outputs.	0
620	Temporally-precise disruption of prefrontal cortex informed by the timing of beta bursts impairs human action-stopping.	2
619	Denoising Using Signal Model. **2020**, 129-151	
618	Neural Responses and Perceptual Sensitivity to Sound Depend on Sound-Level Statistics.	
617	Estimating Sparse Neuronal Signal from Hemodynamic Response: the Mixture Components Inference Approach.	0
616	Modulating brain networks with transcranial magnetic stimulation over the primary motor cortex: a concurrent TMS/fMRI study.	
615	Basic Digital Signal Processing for Single-Carrier Signals. **2020**, 31-103	
614	Item recognition and lure discrimination in younger and older adults are supported by alpha/beta desynchronization.	0
613	Enhanced forensic speaker verification performance using the ICA-EBM algorithm under noisy and reverberant environments. **2021**, 14, 1475-1494	1
612	The relationship between EEG and fMRI connectomes is reproducible across simultaneous EEG-fMRI studies from 1.5T to 7T.	0
611	Sparse Deep Neural Networks on Imaging Genetics for Schizophrenia Case-Control Classification.	

610 Multispectral imaging to reveal ancient hieroglyphic text in an Egyptian Stele. **2020**,

609 Population-level differences in the neural substrates supporting Statistical Learning. 2

608 Modular and state-relevant connectivity in high-frequency resting-state BOLD fMRI data: An independent component analysis.

607 Unique contributions of sensory discrimination and gamma synchronization deficits to cognitive, clinical, and psychosocial functional impairments in schizophrenia.

606 Detection of Prenatal Alcohol Exposure Using Machine Learning Classification of Resting-State Functional Network Connectivity Data.

605 EEG Artifact to Signal: Predicting Horizontal Gaze Position from SOBI-DANS Identified Ocular Artifact Components.

604 Default mode network and attention network in unconscious processing. **2021**, 0

603 Predictability-Based Source Segregation and Sensory Deviance Detection in Auditory Aging. **2021**, 15, 734231 0

602 Power spectra reveal distinct BOLD resting-state time courses in white matter. **2021**, 118, 3

601 Invariant neural subspaces maintained by feedback modulation.

600 Multi-Harmonic Source Localization Based on Sparse Component Analysis and Minimum Conditional Entropy. **2020**, 22, 3

599 Study of interhemispheric interaction by the indices of event-related potentials. **2020**, 81, 21-25

598 Machine Learning-Based Diagnosis of Epilepsy in Clinical Routine: Lessons Learned from a Retrospective Pilot Study. **2020**, 276-283

597 Signal informativeness for sequence structure modulates human auditory cortical responses. **2021**, 58, e13745

596 Automatic Artifact Removal from EEG Signals using W-MOBICA. **2020**, 2

595 Atypical Dynamic Functional Network Connectivity State Engagement during Social-Emotional Processing in Schizophrenia and Autism. **2021**, 0

594 Clinical psychoinformatics. **2022**, 255-279

593 Resting-state dynamic functional connectivity predicts the psychosocial stress response. **2022**, 417, 113618 1

592	Development, Application and Perspective of Single Channel Blind Source Separation of Electromagnetic Signals. **2020**, 08, 158-170	
591	The role of working memory for bridging the gap between perception and goal-directed actions: Evidence by mu and beta oscillations in sensorimotor cortex.	
590	Multimodal Study of the Effects of Varying Task Load Utilizing EEG, GSR and Eye-Tracking.	0
589	The Classification of Independent Components for Biomedical Signal Denoising: Two Case Studies. **2020**, 1-33	
588	The Research and Simulation of Blind Source Separation Algorithm. **2020**, 494-531	
587	MEG Methods: A Primer of Basic MEG Analysis. **2020**, 191-210	0
586	Functional Magnetic Resonance Imaging. **2020**, 331-348	
585	Info3D: Representation Learning on 3D Objects Using Mutual Information Maximization and Contrastive Learning. **2020**, 626-642	5
584	Recallable but not Recognizable: The Influence of Semantic Priming in Recall Paradigms.	1
583	Non-linear ICA Based on Cramer-Wold Metric. **2020**, 294-305	1
582	aNy-way Independent Component Analysis.	1
581	. **2021**,	1
580	Interventional Video Grounding with Dual Contrastive Learning. **2021**,	13
579	Left cerebral cortex complexity differences in sporadic healthy individuals with auditory verbal hallucinations: A pilot study. **2020**, 285, 112834	0
578	A Novel Approach to Investigate Subcortical and Cortical Sensitivity to Temporal Structure Simultaneously.	
577	Neural Coding of Syllable-Final Fricatives with and without Hearing Aid Amplification. **2020**, 31, 566-577	2
576	Interactions between the visual and motor systems during optokinetic stimulation and simultaneous dynamic handgrip exercise: an EEG study.	
575	Neural harmonics of syntactic structure.	0

574 Adaptive rescheduling of error monitoring in multitasking.

573 Olfactory Sensing and Navigation in Turbulent Environments. **2022**, 13, 1

572 Atypical processing in neural source analysis of speech envelope modulations in adolescents with dyslexia. **2021**, 54, 7839 0

571 Automated preprocessing and phase-amplitude coupling analysis of scalp EEG discriminates infantile spasms from controls during wakefulness. **2021**, 178, 106809 0

570 Sparse parallel independent component analysis and its application to identify linked genomic and gray matter alterations underlying working memory impairment in attention-deficit/hyperactivity disorder. 0

569 ICA as Pattern Recognition Technique for Gesture Identification. 530-549

568 ICA and PCA-Based Cryptology. 200-217 0

567 BLIND EXTRACTION OF SPARSE IMAGES FROM UNDER-DETERMINED MIXTURES. **2006**, 826-831

566 Real-Time Blind Source Separation for Moving Speech Signals. **2005**, 353-369 0

565 Interactions Between Modal and Amodal Semantic Areas in Spoken Word Comprehension. **2018**, 198-207

564 Prediction of motor timing using nonlinear analysis of local field potentials. **2007**, 1005-1008

563 An Improved Independent Component Analysis Algorithm and Its Application in Preprocessing of Bearing Sounds. **2006**, 48-53

562 A Novel Model for Independent Radial Basis Function Neural Networks with Multiresolution Analysis. **2006**, 90-99

561 Extraction of Approximate Independent Components from Large Natural Scenes. **2008**, 635-642 0

560 Recursive Bayesian Linear Discriminant for Classification. **2007**, 1002-1011 1

559 Topographic Infomax in a Neural Multigrid. **2007**, 500-509 0

558 Application of the Stress Waves to Extract Multi-fault Features of the Low-Speed Machinery Based on Blind Source Separation. **2007**, 579-587 1

557 Artificial Immune Recognition System Based Classifier Ensemble on the Different Feature Subsets for Detecting the Cardiac Disorders from SPECT Images. **2007**, 45-53 1

556	Space-Time ICA and EM Brain Signals. **2007**, 577-584	1
555	Detection of Paroxysmal EEG Discharges Using Multitaper Blind Signal Source Separation. **2007**, 601-608	
554	Statistical Analysis of Microspectroscopy Signals for Algae Classification and Phylogenetic Comparison. **2007**, 58-68	
553	Dipole Analysis of Eye Movement Artifacts from the EEG. **2008**, 337-340	1
552	BICA: A Boolean Indepenedent Component Analysis Approach. **2008**, 99-108	
551	An Overcomplete ICA Algorithm by InfoMax and InfoMin. **2008**, 136-144	0
550	Blind Source-Separation in Mixed-Signal VLSI Using the InfoMax Algorithm. **2008**, 208-217	2
549	Analysis of the Kurtosis-Sum Objective Function for ICA. **2008**, 579-588	1
548	Extracting Speech Signals using Independent Component Analysis. **2009**, 179-182	
547	A new unsupervised neural learning rule for orthonormal signal processing.	1
546	Blind estimation of PSF for out of focus video data.	
545	Sparse-distributed codes for image categorization.	
544	Real-time separation of mixed non-stationary signals.	0
543	Independent component analysis for identification and minimization of EOG artifacts in EEG recordings.	
542	Partial classification: the benefit of indecision.	
541	Biological batch normalisation: How intrinsic plasticity improves learning in deep neural networks. **2020**, 15, e0238454	0
540	An Approach to Automatically Label & Order Brain Activity/Component Maps.	0
539	rsfMRI Study of Sensimotor Cortex in Multiple Sclerosis (MS) Using Independent Component Analysis (ICA) in GIFT Toolbox with Infomax Algorithm. **2021**, 337-350	

538	The Influence of Pre-Supplementary Motor Area Targeted High-Definition Transcranial Direct Current Stimulation on Inhibitory Control.	
537	Independent component analysis for pulse compressed frequency modulated thermal wave imaging for inspection of mild steel. **2020**, 1, 034401	
536	Latency and amplitude of the stop-signal P3 event-related potential are related to inhibitory GABAa activity in primary motor cortex.	
535	Single circuit in V1 capable of switching contexts during movement using VIP population as a switch.	0
534	Mutual information guided 3D ResNet for self-supervised video representation learning. **2020**, 14, 3066-3075	0
533	Time Series Prediction by Reservoir Neural Networks. **2021**, 303-308	
532	Rhythmic modulation of visual perception by continuous rhythmic auditory stimulation.	
531	Investigating the effects of healthy cognitive aging on brain functional connectivity using 4.7 T resting-state functional Magnetic Resonance Imaging.	
530	Qualitative and quantitative analysis of terahertz gas-phase spectroscopy using independent component analysis. **2020**, 206, 104129	4
529	Sustained neural activity correlates with rapid perceptual learning of auditory patterns.	
528	Efficient coding of natural images with a population of noisy Linear-Nonlinear neurons. **2011**, 24, 999-1007	21
527	Comparison of independent component analysis and conventional hypothesis-driven analysis for clinical functional MR image processing. **2002**, 23, 49-58	40
526	Confounding effect of large vessels on MR perfusion images analyzed with independent component analysis. **2002**, 23, 1007-12	34
525	Whole-brain functional MR imaging activation from a finger-tapping task examined with independent component analysis. **2000**, 21, 1629-35	62
524	Towards data-driven group inferences of resting-state fMRI data in rodents: Comparison of group ICA, GIG-ICA, and IVA-GL. **2021**, 366, 109411	1
523	Possibilities and pitfalls for the co-registration of mobile EEG and eye-tracking in the study of economic decision-making in naturalistic settings. **2022**, 177-199	0
522	Sensor placement optimization of blind source separation in a wireless acoustic sensor network via hybrid descent methods. **2022**, 188, 108509	0
521	Automatic Diagnosis of Intellectual and Developmental Disorder Using Machine Learning Based on Resting-State EEG Recordings. **2021**,	0

520	Mobile Electroencephalography for Studying Neural Control of Human Locomotion. **2021**, 15, 749017	1
519	Cortical sensorimotor activity in the execution and suppression of discrete and rhythmic movements. **2021**, 11, 22364	0
518	Resting-state language network neuroplasticity in post-stroke music listening: A randomized controlled trial. **2021**,	1
517	EEG and behavioral correlates of attentional processing while walking and navigating naturalistic environments. **2021**, 11, 22325	4
516	Early soft and flexible fusion of electroencephalography and functional magnetic resonance imaging via double coupled matrix tensor factorization for multisubject group analysis. **2021**,	5
515	Brain Processes Involved in Motor Planning Are a Dominant Factor for Inducing Event-Related Desynchronization. **2021**, 15, 764281	
514	Clinical and Neural Predictors of Treatment Response to Music Listening Intervention after Stroke.. **2021**, 11,	0
513	Multiple Brain Sources Are Differentially Engaged in the Inhibition of Distinct Action Types. **2021**, 1-15	
512	Grounding Adaptive Cognitive Control in the Intrinsic, Functional Brain Organization: An HD-EEG Resting State Investigation. **2021**, 11,	0
511	Data-driven analysis of kappa opioid receptor binding in major depressive disorder measured by positron emission tomography. **2021**, 11, 602	0
510	Structural and functional brain networks of individual differences in trait anger and anger control: an unsupervised machine learning study. **2021**, 55, 510	2
509	Abnormal Brain Functional Network Dynamics in Acute CO Poisoning. **2021**, 15, 749887	1
508	How do you feel the rhythm: Dynamic motor-auditory interactions are involved in the imagination of hierarchical timing. **2021**,	0
507	Impaired attentional bias toward one's own face in autism spectrum disorder: ERP evidence. **2021**,	0
506	Capturing cognitive events embedded in the real-world using mobile EEG and Eye-Tracking.	
505	Brain Relatively Inert Network: Taking Adult Attention Deficit Hyperactivity Disorder as an Example.. **2021**, 15, 771947	0
504	Exploring Fatigue Effects on Performance Variation of Intensive Brain-Computer Interface Practice.. **2021**, 15, 773790	1
503	Unified and Fast Human Trajectory Prediction Via Conditionally Parameterized Normalizing Flow. **2021**, 1-1	1

502	EEG Models and Analysis. **2021**, 1-36	
501	Self-Evolutionary Neuron Model for Fast-Response Spiking Neural Networks. **2021**, 1-1	0
500	A Correlated Noise-Assisted Decentralized Differentially Private Estimation Protocol, and its Application to fMRI Source Separation. **2021**, 69, 6355-6370	
499	Second-order Approximation of Minimum Discrimination Information in Independent Component Analysis. **2021**, 1-1	0
498	Predictive Coding is a Consequence of Energy Efficiency in Recurrent Neural Networks.	0
497	Frontal Intrinsic Connectivity Networks Support Contradiction Identification During Inductive and Deductive Reasoning. 1	
496	Cortical Mu Rhythms During Action and Passive Music Listening.. **2021**,	0
495	Single Circuit in V1 Capable of Switching Contexts during Movement Using an Inhibitory Population as a Switch.. *Neural Computation*, **2022**, 1-54	2.9
494	Speech protected noise cancellation system in noise dominated environments. **2022**, 189, 108577	0
493	Dementia ConnEEGtome: Towards multicentric harmonization of EEG connectivity in neurodegeneration.. **2021**, 172, 24-38	2
492	Improved Adaptive Filtering based Artifact Removal from EEG Signals. **2020**,	0
491	Time-varying Graphs: A Method to Identify Abnormal Integration and Disconnection in Functional Brain Connectivity with Application to Schizophrenia. **2020**,	1
490	Blind Source Separation Anti-jamming Technology Based on Pade-FastICA Algorithm. **2020**,	0
489	A Machine Learning Approach for Addiction Detection Using Phase Amplitude Coupling of EEG Signals. **2020**,	0
488	A Comparison of Block Based Kalman Filter and H-Infinity Algorithms for Blind Image Separation. **2021**, 32, 339-355	0
487	Optimal Variable Momentum Factor Algorithm for NPCA in Blind Source Separation. **2021**,	
486	Predictive Coding with Topographic Variational Autoencoders. **2021**,	1
485	Examining the Influence of Spatial Smoothing on Spatiotemporal Features of Intrinsic Connectivity Networks at Low ICA Model Order. **2021**, 2021, 3221-3224	1

484	A multimodal IVA fusion approach to identify linked neuroimaging markers. **2021**, 2021, 3928-3932	
483	BioCPPNet: automatic bioacoustic source separation with deep neural networks. **2021**, 11, 23502	1
482	Distinct multisensory perceptual processes guide enhanced auditory recognition memory in older cochlear implant users.. **2022**, 33, 102942	0
481	mGluR5 binding changes during a mismatch negativity task in a multimodal protocol with [C]ABP688 PET/MR-EEG.. **2022**, 12, 6	0
480	Unsupervised Clustering of Individuals Sharing Selective Attentional Focus Using Physiological Synchrony. **2022**, 2,	1
479	Weaker connectivity in resting state networks is associated with disinhibited eating in older adults.. **2022**,	
478	Out of rhythm: Compromised precision of theta-gamma coupling impairs associative memory in old age.. **2022**,	1
477	Instantaneous Neural Processing of Communicative Functions Conveyed by Speech Prosody.. **2022**,	1
476	Neural encoding of active multi-sensing enhances perceptual decision-making via a synergistic cross-modal interaction.. **2022**,	1
475	No Alteration Between Intrinsic Connectivity Networks by a Pilot Study on Localized Exposure to the Fourth-Generation Wireless Communication Signals.. **2021**, 9, 734370	
474	Language and non-linguistic cognition: Shared mechanisms and principles reflected in the N400.. **2022**, 108282	0
473	Multivariate patterns of brain-behavior associations across the adult lifespan.. **2022**, 14,	0
472	PEVD-Based Adaptive ICA for Acoustic Echo Cancellation During Double-Talk Situation. 1	
471	The Resting State Central Auditory Network: a Potential Marker of HIV-Related Central Nervous System Alterations.. **2022**,	
470	Cortical correlates of gait compensation strategies in Parkinson's disease.. **2022**,	0
469	Parallel processing in speech perception with local and global representations of linguistic context.. **2022**, 11,	3
468	A Resting-State Functional Magnetic Resonance Imaging Study of Abnormal Frontoparietal Network Function in Migraine without Aura.. **2022**, 28, e934975	0
467	Pre-processing and feature extraction. **2022**, 59-91	2

466	Motor Imagery Classification Using Inter-Task Transfer Learning via A Channel-Wise Variational Autoencoder-based Convolutional Neural Network.. **2022**, PP,	6
465	Learning Representations by Graphical Mutual Information Estimation and Maximization.. **2022**, PP,	
464	Tracking the dynamics of perisaccadic visual signals with magnetoencephalography.	
463	Extraction of GRACE/GRACE-FO observed mass change patterns across Antarctica via independent component analysis (ICA).. **2022**, 229, 1914-1926	
462	One-week escitalopram intake alters the excitation-inhibition balance in the healthy female brain.. **2022**,	1
461	Cross-modal image retrieval with deep mutual information maximization. **2022**,	0
460	Moment-to-moment fluctuations of hemodynamic responses in posterior default mode networks differentially predict level of attentional lapses in adolescents with Attention-Deficit/Hyperactivity Disorder.	
459	Joint structural-functional magnetic resonance imaging features are associated with diagnosis and real-world functioning in patients with schizophrenia.. **2022**, 240, 193-203	1
458	Dorsomedial prefrontal rTMS for depression in borderline personality disorder: a pilot randomized crossover trial.. **2021**,	0
457	RHMC: Modeling consistent information from deep multiple views via Regularized and Hybrid Multiview Coding. **2022**, 241, 108201	0
456	Distinct EEG signatures differentiate unconsciousness and disconnection during anaesthesia and sleep.. **2022**,	1
455	Altered event processing in persons with Parkinson's disease.. **2022**, e14021	0
454	Interplay Between the Salience and the Default Mode Network in a Social-Cognitive Task Toward a Close Other.. **2021**, 12, 718400	0
453	Are covered faces eye-catching for us? The impact of masks on attentional processing of self and other faces during the COVID-19 pandemic.. **2022**, 149, 173-187	0
452	Overt Oculomotor Behavior Reveals Covert Temporal Predictions.. **2022**, 16, 758138	
451	Developmental Language Disorder as Syntactic Prediction Impairment.. **2022**, 6,	1
450	The hippocampus as the switchboard between perception and memory. **2021**, 118,	3
449	Discussion on "distributional independent component analysis for diverse neuroimaging modalities" by Ben Wu, Subhadip Pal, Jian Kang, and Ying Guo.. **2021**,	0

448	Robust Blind Source Separation of Maternal and Fetal ECG Signals: Application to Instantaneous Heart Rate Calculation. **2022**, 179-186	
447	The timecourse of multisensory speech processing in unilaterally stimulated cochlear implant users revealed by ERPs.. **2022**, 34, 102982	0
446	Morphological Component Analysis of functional MRI Brain Networks.. **2022**, PP,	
445	Thinking out loud, an open-access EEG-based BCI dataset for inner speech recognition.. **2022**, 9, 52	3
444	Inference via sparse coding in a hierarchical vision model.. **2022**, 22, 19	0
443	Brain structural abnormalities in adult major depressive disorder revealed by voxel- and source-based morphometry: evidence from the REST-meta-MDD Consortium.. **2022**, 1-11	0
442	A machine learning approach to characterize sequential movement-related states in premotor and motor cortices.. **2022**,	
441	In-vivo estimation of axonal morphology from MRI and EEG data.	
440	Altered Dynamic Functional Connectivity in Parkinson's Disease Patients With Depression.. **2021**, 13, 789785	0
439	Resting-State Beta-Band Recovery Network Related to Cognitive Improvement After Stroke.. **2022**, 13, 838170	0
438	EEG-Based Spectral Analysis Showing Brainwave Changes Related to Modulating Progressive Fatigue During a Prolonged Intermittent Motor Task.. **2022**, 16, 770053	1
437	Altered Neural Network Connectivity Predicts Depression in Parkinson's Disease.. **2022**, 16, 828651	0
436	EEG-fMRI: Ballistocardiogram Artifact Reduction by Surrogate Method for Improved Source Localization.. **2022**, 16, 842420	
435	Transcranial Pulsed-Current Stimulation versus Transcranial Direct Current Stimulation in Patients with Disorders of Consciousness: A Pilot, Sham-Controlled Cross-Over Double-Blind Study.. **2022**, 12,	0
434	Distinct cortical responses to Auditory Statistics: pre-attentive discriminations based on local and global representations.	
433	Concurrent TMS-fMRI to determine adaptive brain changes to virtual lesions interfering with visual processing.	
432	Alpha rhythm induces attenuation-amplification dynamics in neural activity cascades.	
431	Functional and structural brain network correlates of visual hallucinations in Lewy body dementia.. **2022**,	0

430	Reliability of reward ERPs in middle-late adolescents using a custom and a standardized preprocessing pipeline.. **2022**, e14043	0
429	Magnetoencephalography can reveal deep brain network activities linked to memory processes.	0
428	Multimodal neuroimaging of metabotropic glutamate 5 receptors and functional connectivity in alcohol use disorder.. **2022**,	
427	Long-Term Polygraphic Monitoring through MEMS and Charge Transfer for Low-Power Wearable Applications.. **2022**, 22,	1
426	Lingering neural representations of past task features adversely affect future behavior.	1
425	Age-related enhancements in positive emotionality across the lifespan: structural equation modelling of brain and behaviour.. **2022**,	
424	Expectations boost the reconstruction of auditory features from electrophysiological responses to noisy speech.. **2022**,	1
423	Estimation of seizure onset zone from ictal scalp EEG using independent component analysis in extratemporal lobe epilepsy.. **2022**,	0
422	Functional Connectivity Methods and Their Applications in fMRI Data.. **2022**, 24,	1
421	NLGC: Network Localized Granger Causality with Application to MEG Directional Functional Connectivity Analysis.	0
420	To switch or to repeat? Commonalities and differences in the electrophysiological correlates of preparation for voluntary and forced task choices.. **2022**, e14062	
419	The effects of depression tendency and social comparison on adolescent self-evaluation.. **2022**, 108236	0
418	Dopaminergic medication reduces interhemispheric hyper-synchronization in Parkinson's disease.. **2022**, 97, 39-46	
417	Signal Processing Using Dictionaries, Atoms, and Deep Learning: A Common Analysis-Synthesis Framework. **2022**, 110, 454-475	1
416	Automatic Classification of Subjects of the PSEN1-E280A Family at Risk of Developing Alzheimer's Disease Using Machine Learning and Resting State Electroencephalography.. **2022**,	
415	Resting-state fMRI Functional Connectivity and Mindfulness in Clinical and Non-clinical Contexts: A Review and Synthesis.. **2022**, 104583	1
414	An incentive circuit for memory dynamics in the mushroom body of .. **2022**, 11,	1
413	A supervised independent component analysis algorithm for motion imagery-based brain computer interface. **2022**, 75, 103576	0

412	FLUX: A pipeline for MEG analysis.. **2022**, 253, 119047	0
411	Intranasal oxytocin modulates the salience network in aging.. **2022**, 253, 119045	0
410	A general spatial transformation process? Assessing the neurophysiological evidence on the similarity of mental rotation and folding. **2022**, 2, 100092	0
409	Group linear non-Gaussian component analysis with applications to neuroimaging. **2022**, 171, 107454	
408	SSPNet: An interpretable 3D-CNN for classification of schizophrenia using phase maps of resting-state complex-valued fMRI data.. **2022**, 79, 102430	1
407	Direct ICA on data tensor via random matrix modeling. **2022**, 196, 108508	0
406	Blind Source Separation Under Signal Covariance Constraints: Criteria and Algorithms. **2021**,	
405	Tracking the dynamics of perisaccadic visual signals with magnetoencephalography. **2021**,	
404	A Survey on Classical and Modern Face Recognition Techniques. **2021**, 57-79	
403	Generalizability of Hand Kinematic Synergies derived using Independent Component Analysis. **2021**, 2021, 621-624	
402	SMART (splitting-merging assisted reliable) Independent Component Analysis for Brain Functional Networks. **2021**, 2021, 3263-3266	0
401	Motion Resistant Facial Video based Heart Rate Estimation Method using Head-Mounted Camera. **2021**,	0
400	Unsupervised clustering of track-weighted dynamic functional connectivity reveals white matter substrates of functional connectivity dynamics.	
399	A Computation-Aware TPL Utilization Procedure for Parallelizing the FastICA Algorithm on a Multi-Core CPU. **2021**,	
398	Syndrome Is Characterized by Inhibition-Dominated Dynamics of Resting-State EEG.. **2021**, 12, 775172	1
397	Multimodal IVA fusion for detection of linked neuroimaging biomarkers.	
396	Optimization of Kurtosis in the Extend-Infomax Blind Signal Separation Algorithm. **2021**, 2021, 1-8	
395	Leak location procedure based on the complex-valued FastICA blind deconvolution algorithm for water-filled branch pipe. **2022**, 22, 2560-2572	

394	Altered brain functional network dynamics in classic trigeminal neuralgia: a resting-state functional magnetic resonance imaging study.. **2021**, 22, 147	0
393	A multi-step blind source separation approach for the attenuation of artifacts in mobile high-density electroencephalography data. **2021**,	0
392	MRI Evaluation of the Relationship Between Abnormalities in Vision-Related Brain Networks and Quality of Life in Patients with Migraine without Aura.. **2021**, 17, 3569-3579	1
391	Cortical tracking of voice pitch in the presence of multiple speakers depends on selective attention.	
390	Canonical EEG Microstates Transitions Reflect Switching Among BOLD Resting State Networks and Predict fMRI Signal.. **2021**,	
389	Structural network alterations and their association with neurological soft signs in schizophrenia: Evidence from clinical patients and unaffected siblings. **2021**,	
388	Association Between Functional and Structural Brain Connectivity of the Default Mode Network in Non-treatment Seeking Individuals With Alcohol Use Disorder.. **2021**,	0
387	Preoperative Assessment of Language Dominance through Combined Resting-State and Task-Based Functional Magnetic Resonance Imaging.. **2021**, 11,	1
386	Removing artifacts from TMS-evoked EEG: A methods review and a unifying theoretical framework.. **2022**, 109591	2
385	Aberrant dynamic structure-function relationship of rich-club organization in treatment-naïve newly diagnosed juvenile myoclonic epilepsy.. **2022**,	0
384	Anterior Cingulate Cortex Signals the Need to Control Intrusive Thoughts During Motivated Forgetting.. **2022**,	0
383	Robust approach for blind separation of noisy mixtures of independent and dependent sources. **2022**,	
382	Age-related changes in the neural mechanics of dynamic auditory attention in time.	0
381	Invariant neural subspaces maintained by feedback modulation.. **2022**, 11,	0
380	Visual working memory recruits two functionally distinct alpha rhythms in posterior cortex.	0
379	Quantifying relevance in learning and inference. **2022**, 963, 1-43	1
378	Data_Sheet_1.DOCX. **2018**,	
377	Image1.TIF. **2018**,	

376 Data_Sheet_1.docx. **2018**,

375 Image_1.PDF. **2018**,

374 Table_1.xlsx. **2020**,

373 Table_10.xlsx. **2020**,

372 Table_11.xlsx. **2020**,

371 Table_2.xlsx. **2020**,

370 Table_3.xlsx. **2020**,

369 Table_4.xlsx. **2020**,

368 Table_5.xlsx. **2020**,

367 Table_6.xlsx. **2020**,

366 Table_7.xlsx. **2020**,

365 Table_8.xlsx. **2020**,

364 Table_9.xlsx. **2020**,

363 Table_1.XLSX. **2019**,

362 Data_Sheet_1.pdf. **2019**,

361 Data_Sheet_1.docx. **2020**,

360 Image1.TIFF. **2018**,

359 Data_Sheet_1.docx. **2018**,

358 Table_1.DOCX. **2018**,

357 Data_Sheet_1.docx. **2019**,

356 Data_Sheet_2.docx. **2019**,

355 Data_Sheet_1.PDF. **2019**,

354 Data_Sheet_1.PDF. **2020**,

353 Image_1.TIFF. **2020**,

352 Table_1.pdf. **2019**,

351 Data_Sheet_1.PDF. **2018**,

350 Image_1.jpg. **2018**,

349 Image_2.jpg. **2018**,

348 Data_Sheet_1.PDF. **2019**,

347 Data_Sheet_1.pdf. **2018**,

346 Data_Sheet_1.PDF. **2020**,

345 Data_Sheet_2.PDF. **2020**,

344 Image_1.TIFF. **2019**,

343 Image_2.TIFF. **2019**,

342 Image_3.TIFF. **2019**,

341 Data_Sheet_1.pdf. **2020**,

340 Data_Sheet_1.PDF. **2020**,

339 Data_Sheet_2.PDF. **2020**,

338 Data_Sheet_3.PDF. **2020**,

337 Data_Sheet_4.PDF. **2020**,

336 Data_Sheet_5.PDF. **2020**,

335 Data_Sheet_6.PDF. **2020**,

334 Table_1.docx. **2020**,

333 Table_1.DOCX. **2020**,

332 Data_Sheet_1.PDF. **2018**,

331 Data_Sheet_2.PDF. **2018**,

330 Table_1.DOCX. **2018**,

329 Table_2.DOCX. **2018**,

328 Table_3.DOCX. **2018**,

327 Data_Sheet_1.docx. **2020**,

326 Image_1.tif. **2020**,

325 Data_Sheet_1.PDF. **2020**,

324 Data_Sheet_2.pdf. **2020**,

323 Table_1.DOCX. **2020**,

322	Data_Sheet_1.PDF. **2019**,	
321	Data_Sheet_1.docx. **2019**,	
320	Data_Sheet_1.PDF. **2018**,	
319	Image_1.tif. **2019**,	
318	Data_Sheet_1.docx. **2018**,	
317	Table1.PDF. **2018**,	
316	Data_Sheet_1.docx. **2019**,	
315	Table_1.DOCX. **2018**,	
314	OUP accepted manuscript.	1
313	OUP accepted manuscript.	
312	Attention Deficit Hyperactivity Disorder Classification Based on Deep Learning.. **2022**, PP,	1
311	OUP accepted manuscript.	0
310	Longitudinal Whole-Brain Functional Network Change Patterns Over A Two-Year Period In The ABCD Data. **2022**,	0
309	Modeling the Repetition-Based Recovering of Acoustic and Visual Sources With Dendritic Neurons.. **2022**, 16, 855753	
308	Advanced Reservoir Characterization Using Novel NMR Technology Secures Complex Carbonate Gas Condensate Pay, A Case Study Onshore Ukraine. **2022**,	
307	Estimation of Axonal Morphology From Magnetic Resonance Imaging and Electroencephalography Data.. **2022**, 16, 874023	1
306	Impairment of sleep homeostasis in cervical dystonia patients.. **2022**, 12, 6866	0
305	Age-related changes in neural synchronization and the sustained response to amplitude and frequency modulation of sound.	0

304	Right inferior frontal cortex damage impairs the initiation of inhibitory control, but not its implementation.	0
303	Dynamic modulation of neural feedback processing and attention during spatial probabilistic learning. **2022**, 25, 104302	
302	Multi-Frame Full-Rank Spatial Covariance Analysis for Underdetermined BSS in Reverberant Environments. **2022**,	
301	Large-Scale Independent Component Analysis By Speeding Up Lie Group Techniques. **2022**,	
300	An Information Maximization Based Blind Source Separation Approach for Dependent and Independent Sources. **2022**,	
299	Deep Deterministic Independent Component Analysis for Hyperspectral Unmixing. **2022**,	0
298	A resting-state network for novelty: Similar involvement of a global network under rest and task conditions.. **2022**, 323, 111488	0
297	Hold your horses: Differences in EEG correlates of inhibition in cancelling and stopping an action.. **2022**, 172, 108255	0
296	Attentional bias towards appealing and disgusting food cues varies with the menstrual cycle.. **2022**, 175, 106063	
295	Inferring Task-related Networks Using Independent Component Analysis in Magnetoencephalography.	
294	Analysis of brain signal processing and real-time EEG signal enhancement.	0
293	Slowing of Frontocentral Beta Oscillations in Atypical Parkinsonism.	0
292	Improving time–frequency sparsity for enhanced audio source separation in degenerate unmixing estimation technique algorithm. 1-14	
291	Short-term monocular deprivation boosts neural responsiveness to audio-visual events for the undeprived eye.	
290	Abnormal Dynamic Functional Connectivity in Patients With End-Stage Renal Disease. **2022**, 16,	
289	Baseline Patterns of Resting Functional Connectivity within Posterior Default-Mode Intranetwork Associated with Remission to Antidepressants in Major Depressive Disorder.	
288	Exploring More Concentrated and Consistent Activation Regions for Cross-domain Semantic Segmentation. **2022**,	
287	Multi-information Constraint Learning for Unsupervised Domain Adaptive Person Re-identification.	

286	Using Neural Networks to Uncover the Relationship between Highly Variable Behavior and EEG during a Working Memory Task with Distractors. **2022**, 10, 1848	
285	Neural Reinstatement of Overlapping Memories in Young and Older Adults. 1-21	
284	Independent component analysis of streamwise velocity fluctuations in turbulent channel flows. **2022**, 100349	
283	Listening Over Time: Single-Trial Tonic and Phasic Oscillatory Alpha-and Theta-Band Indicators of Listening-Related Fatigue. **2022**, 16,	
282	Mirror visual feedback during unilateral finger movements is related to the desynchronization of cortical electroencephalographic somatomotor alpha rhythms.	1
281	Boosting Independent Component Analysis. **2022**, 29, 1367-1371	
280	A Unified approach for Simultaneous Graph Learning and Blind Separation of Graph Signal Sources. **2022**, 1-13	1
279	An Advanced Scheme for Range Ambiguity Suppression of Spaceborne SAR Based on Blind Source Separation. **2022**, 1-1	1
278	Efficient neural codes naturally emerge through gradient descent learning.	
277	Oscillatory and Aperiodic Neural Activity Jointly Predict Language Learning. 1-20	1
276	Action effect predictions in □what□, □when□, and □whether□ intentional actions. **2022**, 147992	
275	Development of Atypical Reading at Ages 5 to 9 Years and Processing of Speech Envelope Modulations in the Brain. 16,	0
274	Spatio-temporal brain dynamics of self-identity: an EEG source analysis of the current and past self. **2022**, 227, 2167-2179	1
273	Exploring EEG spectral and temporal dynamics underlying a hand grasp movement. **2022**, 17, e0270366	
272	Measuring brain critical dynamics to inform Brain-Computer Interfaces.	
271	Human lower limb activity recognition techniques, databases, challenges and its applications using sEMG signal: an overview.	3
270	Verbal Learning and Longitudinal Hippocampal Network Connectivity in Temporal Lobe Epilepsy Surgery. 13,	
269	Multi-View Representation Learning from Local Consistency and Global Alignment. **2022**,	1

268	Formant-invariant voice and pitch representations are pre-attentively formed from constantly varying speech and non-speech stimuli.	1
267	Functional alterations in large-scale resting-state networks of amyotrophic lateral sclerosis: A multi-site study across Canada and the United States. **2022**, 17, e0269154	1
266	Backward scattering suppression in an underwater LiDAR signal processing based on CEEMDAN-fast ICA algorithm. **2022**, 30, 23270	
265	Comparison of decomposition algorithms for identification of single motor units in ultrafast ultrasound image sequences of low force voluntary skeletal muscle contractions. **2022**, 15,	0
264	Altered alpha/beta desynchronization during item□context binding contributes to the associative deficit in older age.	
263	Spatiotemporal Signatures of Surprise Captured by Magnetoencephalography. 16,	0
262	Unbalanced functional connectivity at rest affects the ERP correlates of affective prediction in high intolerance of uncertainty individuals: A high density EEG investigation. **2022**, 178, 22-33	0
261	Oscillatory brain responses to processing code-switches in the presence of others. **2022**, 231, 105139	1
260	White matter substrates of functional connectivity dynamics in the human brain. **2022**, 258, 119391	0
259	Age-related changes in the interference between cognitive task components and concurrent sensorimotor coordination. **2022**, 1790, 147985	
258	Nonlinear Weighted Independent Component Analysis. **2022**, 3-16	
257	Nonlinear functional network connectivity in resting functional magnetic resonance imaging data.	0
256	Static and Dynamic Characteristics of Functional Network Connectivity in Neurologically Asymptomatic Patients Undergoing Maintenance Hemodialysis: A Resting-State Functional MRI Study.	0
255	Explicitly Nonlinear Dynamic Functional Network Connectivity In Resting-State fMRI Data.	
254	Sparse Parallel Independent Component Analysis and Its Application to Identify Stable and Replicable Imaging-genomic Association Patterns in UK Biobank.	0
253	Magnetoencephalography can reveal deep brain network activities linked to memory processes.	0
252	Active search signatures in a free-viewing task exploiting concurrent EEG and eye movements recordings.	
251	Large-scale cortico-cerebellar computations for horizontal and vertical vergence in humans. **2022**, 12,	

250	Visual stimulation and frequency of focal neurological symptoms engage distinctive neurocognitive resources in migraine with aura patients: a study of resting-state functional networks. **2022**, 23,	0
249	Imaging cortical engagement during motor imagery, mental arithmetic, and silent word generation using MEG beta rhythm.	
248	Central neuronal transmission in response to tonic cold pain is modulated in people with type 1 diabetes and severe polyneuropathy. **2022**, 108263	
247	Alterations in Functional and Structural Connectivity of Basal Ganglia Network in Patients with Obesity.	0
246	Beta bursts over frontal cortex track the surprise of unexpected events in auditory, visual, and tactile modalities.	
245	Reproducibility in Matrix and Tensor Decompositions: Focus on model match, interpretability, and uniqueness. **2022**, 39, 8-24	0
244	Brain Source Correlates of Speech Perception and Reading Processes in Children With and Without Reading Difficulties. 16,	0
243	Differential activation of a frontoparietal network explains population-level differences in statistical learning from speech. **2022**, 20, e3001712	0
242	Alterations in functional connectivity and interactions in resting-state networks in female patients with functional constipation.	
241	Impairments in the Default Mode and Executive Networks in Methamphetamine Users During Short-Term Abstinence. Volume 15, 6073-6084	
240	Millimeter slope ratcheting from multitemporal SAR interferometry with a correction of coastal tropospheric delay: A case study in Hong Kong. **2022**, 280, 113148	
239	Reduced functional connectivity supports statistical learning of temporally distributed regularities. **2022**, 260, 119459	0
238	ICA based on Split Generalized Gaussian. 28, 25-47	1
237	Template independent component analysis with spatial priors for accurate subject-level brain network estimation and inference. 1-35	
236	Guided Wave SHM system for detection and quantification of damages in FPSOs storage tanks using data-driven algorithm. 147592172211119	
235	Reproducibility and replicability in neuroimaging data analysis. **2022**, 35, 475-481	0
234	Quantitative EEG changes in Youth with ASD following brief mindfulness meditation exercise. **2022**, 1-1	0
233	The most descriptive surprise definition for brain EEG response to visual and auditory oddball tasks. **2022**,	

232	Aberrant brain connectivity is associated with childhood maltreatment in individuals with major depressive disorder.	0
231	Ocular artifacts removal from EEG signals using Discrete Wavelet Transform and Quadratic Regression Method. **2022**,	
230	Unsupervised layer-wise feature extraction algorithm for surface electromyography based on information theory. 16,	
229	Does entropy modulate the prediction of German long-distance verb particles?. **2022**, 17, e0267813	
228	Suboptimal states and frontoparietal network-centered incomplete compensation revealed by dynamic functional network connectivity in patients with post-stroke cognitive impairment. 14,	
227	Predictive and perceptual phonemic processing in articulatory motor areas: A prediction potential & mismatch negativity study. **2022**,	0
226	Site-dependent shaping of field potential waveforms.	0
225	Information on Drivers□Sex Improves EEG-Based Drowsiness Detection Model. **2022**, 12, 8146	0
224	Does Eye Gaze Uniquely Trigger Spatial Orienting to Socially Relevant Information? A Behavioral and ERP Study. **2022**, 12, 1133	
223	Emotion regulation strategies differentially modulate neural activity across affective prediction stages: An HD-EEG investigation. 16,	
222	Evaluating the three-network theory of creativity: Effects of music listening on resting state EEG. 03057356221□1161	
221	Capturing Cognitive Events Embedded in the Real World Using Mobile Electroencephalography and Eye-Tracking. 1-19	0
220	Cortical tracking of voice pitch in the presence of multiple speakers depends on selective attention. 16,	0
219	Speech to noise ratio improvement induces nonlinear parietal phase synchrony in hearing aid users. 16,	
218	Confidence of probabilistic predictions modulates the cortical response to pain.	
217	Directed Brain Network Analysis for Fatigue Driving Based on EEG Source Signals. **2022**, 24, 1093	0
216	Dynamic spectral signatures of mirror movements in the sensorimotor functional connectivity network of patients with Kallmann syndrome. 16,	
215	MNE-ICALabel: Automatically annotating ICA components with ICLabel in Python. **2022**, 7, 4484	0

214	Network synchronization deficits caused by dementia and Alzheimer's disease serve as topographical biomarkers: a pilot study.	0
213	Statistical characterization of tactile scenes in three-dimensional environments reveals filter properties of somatosensory cortical neurons.	
212	Adaptive Cognitive Control in Prematurely Born Children: An HD-EEG Investigation. **2022**, 12, 1074	
211	Neural circuits underpinning face tuning in male depression.	0
210	Blind Source Separation using Hellinger divergence and Copula.	
209	Enhancing the accuracy of DBSCAN's first arrival traveltime picking using super-virtual refraction interferometry. **2022**,	
208	NLGC: Network localized Granger causality with application to MEG directional functional connectivity analysis. **2022**, 260, 119496	1
207	Theta oscillations support active exploration in human spatial navigation. **2022**, 262, 119581	
206	Improved manual annotation of EEG signals through convolutional neural network guidance. ENEURO.0160-22.2022	2
205	Mutual information map as a new way for exploring the independence of chemically meaningful solutions in two-component analytical data. **2022**, 1227, 340330	0
204	Modification of the resting-state network involved at different stages of neuropathic pain. **2022**, 789, 136866	0
203	A hybrid neuro-experimental decision support system to classify overconfidence and performance in a simulated bubble using a passive BCI. **2023**, 212, 118722	2
202	High-Density Electroencephalography in Freely Moving Mice. **2022**, 1-13	0
201	Assessing High-Order Interdependencies Through Static O-Information Measures Computed on Resting State fMRI Intrinsic Component Networks. **2022**, 386-397	0
200	Addressing the inconsistent electric fields of tDCS by using patient-tailored configurations in chronic stroke: Implications for treatment. **2022**, 36, 103178	0
199	Discrimination of Customers Decision-Making in a Like/Dislike Shopping Activity Based on Genders: A Neuromarketing Study. **2022**, 10, 92454-92466	0
198	Constrained CPD of Complex-Valued Multi-Subject fMRI Data via Alternating Rank-R and Rank-1 Least Squares. **2022**, 30, 2630-2640	0
197	Human body odors of happiness and fear modulate the late positive potential component during neutral face processing: a preliminary ERP study on healthy subjects. **2022**,	0

196	Enhanced Computation of the EEG-IC Polarities using a Genetic Algorithm. **2022**,	0
195	An insight into applications of deep learning in neuroimaging. **2023**, 323-340	0
194	Coupled Shift-Invariant Tensorial Spatial ICA Applied to Multi-Group Complex-Valued Task-Related and Resting-State fMRI Data. **2022**,	0
193	Problem of Myogenic Contamination in Electroencephalography. **2022**, 48, 470-482	0
192	Objective neurophysiological markers of cognition after pediatric brain injury. 10.1212/CPJ.0000000000200066	0
191	No need for extensive artifact rejection for ICA - A multi-study evaluation on stationary and mobile EEG datasets.	0
190	Task-related, intrinsic oscillatory and aperiodic neural activity predict performance in naturalistic team-based training scenarios. **2022**, 12,	0
189	Semantic-Specific and Domain-General Mechanisms for Integration and Update of Contextual Information.	0
188	Degenerate pathway for processing smile and other emotional expressions in congenital facial palsy: an hdEEG investigation. **2022**, 377,	1
187	The BeMoBIL Pipeline for automated analyses of multimodal mobile brain and body imaging data.	0
186	Resting state network dynamic reconfiguration and neuropsychological functioning in temporal lobe epilepsy: an HD-EEG investigation. **2022**,	0
185	Identification of suicidality in patients with major depressive disorder via dynamic functional network connectivity signatures and machine learning. **2022**, 12,	0
184	Altered correlation of concurrently recorded EEG-fMRI connectomes in temporal lobe epilepsy.	0
183	Ability of an altered functional coupling between resting-state networks to predict behavioral outcomes in subcortical ischemic stroke: A longitudinal study. 14,	0
182	Dynamic Cognitive States Explain Individual Variability in Behavior and Modulate with EEG Functional Connectivity During Working Memory.	0
181	Divisive normalization is an efficient code for multivariate Pareto-distributed environments. **2022**, 119,	0
180	Canonical and Replicable Multi-Scale Intrinsic Connectivity Networks in 100k+ Resting-State fMRI Datasets.	1
179	Dynamic Brain Connectivity in Resting-State FMRI Using Spectral ICA and Graph Approach: Application to Healthy Controls and Multiple Sclerosis. **2022**, 12, 2263	0

178	Bayesian Spatial Blind Source Separation via the Thresholded Gaussian Process. 1-34	0
177	Extracting default mode network based on graph neural network for resting state fMRI study. 1,	1
176	Visual Working Memory Recruits Two Functionally Distinct Alpha Rhythms in Posterior Cortex. **2022**, 9, ENEURO.0159-22.2022	0
175	Dynamic connectivity patterns of resting-state brain functional networks in healthy individuals after acute alcohol intake. 16,	0
174	A precise language network revealed by the independent component-based lesion mapping in post-stroke aphasia. 13,	0
173	Clusterwise Independent Component Analysis (C-ICA): Using fMRI resting state networks to cluster subjects and find neurofunctional subtypes. **2022**, 109718	0
172	An fMRI examination of the neural basis of suicide attempts: The role of mentalizing in the context of mood.	0
171	Dynamic Causal Modelling of Auditory Surprise During Disconnected Consciousness: The Role of Feedback Connectivity. **2022**, 119657	0
170	Petrophysical Regression regarding Porosity, Permeability, and Water Saturation Driven by Logging-Based Ensemble and Transfer Learnings: A Case Study of Sandy-Mud Reservoirs. **2022**, 2022, 1-31	0
169	Anticipatory cues in emotional processing shift the activation of a combined salience sensorimotor functional network in drug-naïve depressed patients. **2022**,	0
168	An fMRI study of frontal networks in obsessive-compulsive disorder during cognitive reappraisal. 1-22	0
167	Distance-based Method. **2022**, 127-187	0
166	Blind Source Separation in LIBS. **2022**, 189-212	0
165	Test-retest reliability of peak location in the sensorimotor network of resting state fMRI for potential rTMS targets. 16,	0
164	An outlier detection-based method for artifact removal of few-channel EEGs. **2022**, 19, 056028	0
163	Baseline patterns of resting functional connectivity within posterior default-mode intranetwork associated with remission to antidepressants in major depressive disorder. **2022**, 36, 103230	0
162	A Method of Using Statistical Features Extraction and GA-SVM for EEG Classification. **2022**, 707-716	0
161	Double Nonstationarity: Blind Extraction of Independent Nonstationary Vector/Component From Nonstationary Mixtures Algorithms. **2022**, 1-15	0

160	Research on Galaxy Map Reconstruction Method Based on Deep Learning. **2022**, 11, 1154-1165	0
159	Language Identification-Based Evaluation of Single Channel Speech Separation of Overlapped Speeches. **2022**, 13, 492	0
158	Robust blind separation of smooth graph signals using minimization of graph regularized mutual information. **2022**, 103792	2
157	The role of conflict processing mechanism in deception responses. **2022**, 12,	0
156	Object boundary detection in natural images may depend on 'incitatory' cell-cell interactions. JN-RM-2581-18	0
155	Nigral Iron Deposition Influences Disease Severity by Modulating the Effect of Parkinson Disease on Brain Networks. **2022**, 1-14	0
154	Time-frequency analysis of brain activity in response to Directional and non-Directional visual stimuli: an Event Related Spectral Perturbations (ERSP) study.	1
153	Altered dynamic functional network connectivity in levodopa-induced dyskinesia of Parkinson's disease.	0
152	Information Flow in Biological Networks for Color Vision. **2022**, 24, 1442	0
151	Bridging the neural and algorithmic correlates of action-stopping.	0
150	Independent component analysis in the light of Information Geometry.	0
149	Altered Neural Oscillations Underlying Visuospatial Processing in Cerebral Visual Impairment (CVI).	0
148	Investigation of Spatiotemporal Profiles of Single-Pulse TMS-Evoked Potentials with Active Stimulation Compared with a Novel Sham Condition. **2022**, 12, 814	0
147	IABC: A Toolbox for Intelligent Analysis of Brain Connectivity.	0
146	Identification of pre-synaptic density networks using SV2A PET imaging and ICA in healthy and diseased mice.	0
145	Brain signatures of chronic gut inflammation.	0
144	Resting-state EEG functional connectivity predicts post-traumatic stress disorder subtypes in veterans.	0
143	Now you see it: fixation-related electrical potentials during a free visual search task reveal the timing of visual awareness.	0

142	Post-Stimulus Encoding of Decision Confidence in EEG: Toward a Brain-Computer Interface for Decision Making.	0
141	Resting-state BOLD signal variability is associated with individual differences in metacontrol. **2022**, 12,	0
140	Altered evoked responses for motor-related words in children with upper limb motor impairments. **2022**,	0
139	The characterization of static and dynamic brain functional networks in suicide attempters with major depressive disorder and its relation to psychological pain. **2022**, 111562	0
138	Independent component analysis reveals an early hippocampal recognition system using intracerebral evoked potentials in humans.	0
137	Extracting the Invisible: Mesial Temporal Source Detection in Simultaneous EEG and SEEG Recordings.	0
136	Coupled canonical polyadic decomposition of multi-group fMRI data with spatial reference and orthonormality constraints. **2023**, 80, 104232	0
135	Electrophysiological differences and similarities in audiovisual speech processing in CI users with unilateral and bilateral hearing loss. **2022**, 3, 100059	0
134	The constrained disorder principle defines living organisms and provides a method for correcting disturbed biological systems. **2022**, 20, 6087-6096	1
133	The readiness potential correlates with action-linked modulation of visual accuracy. ENEURO.0085-22.2022	0
132	Extracting electromyographic signals from multi-channel local-field-potentials using independent component analysis without direct muscular recording.	0
131	Collaborative neural processes predict successful cognitive-motor performance.	0
130	Recent advances in photoacoustic blind source spectral unmixing approaches and the enhanced detection of endogenous tissue chromophores. 2,	2
129	Interpretability and Explainability in´Machine Learning. **2023**, 89-100	0
128	Late dominance of the right hemisphere during narrative comprehension. **2022**, 264, 119749	0
127	Altered spreading of neuronal avalanches in temporal lobe epilepsy relates to cognitive performance: a resting-state hdEEG study.	0
126	Adaptive Active Contour Model for Brain Tumor Segmentation. **2022**, 12, 1-17	0
125	Diagnostic method for PEM fuel cell states using probability Distribution-Based loss component analysis for voltage loss decomposition. **2023**, 330, 120340	0

124	Comparison of beamformer and ICA for dynamic connectivity analysis: A simultaneous MEG-SEEG study. **2023**, 265, 119806	0
123	Alpha and gamma EEG coherence during on-task and mind wandering states in schizophrenia. **2023**, 146, 21-29	0
122	Transcutaneous vagal nerve stimulation to treat disorders of consciousness: Protocol for a double-blind randomized controlled trial. **2023**, 23, 100360	0
121	AID-Purifier: A Light Auxiliary Network for Boosting Adversarial Defense. **2022**,	0
120	ISS2: An Extension of Iterative Source Steering Algorithm for Majorization-Minimization-Based Independent Vector Analysis. **2022**,	1
119	Real-time noise cancellation with deep learning. **2022**, 17, e0277974	0
118	Prognostic Role of Hemispherical Functional Connectivity in Stroke: A Study via Graph Theory Versus Coherence of Electroencephalography Rhythms.	1
117	Sequential fear generalization and network connectivity in trauma exposed humans with and without psychopathology. **2022**, 5,	0
116	Fourth Cumulant Blind Source Separation Efficiency Evaluation in the Task of Cognitive Radio. **2022** ,	0
115	Alteration of the resting-state brain networks: a multi-aspect study of functional and effective connectivity in Parkinson's disease.	0
114	Progressive Interpretation Synthesis: Interpreting Task Solving by Quantifying Previously Used and Unused Information. **2022**, 35, 38-57	0
113	Modular organization of locomotor networks in people with severe spinal cord injury. 16,	0
112	Age effects on cognitive functions and speech-in-noise processing: An event-related potential study with cochlear-implant users and normal-hearing listeners. 16,	0
111	Disturbed hippocampal intra-network in first-episode of drug-naïve major depressive disorder.	0
110	Predictive coding is a consequence of energy efficiency in recurrent neural networks. **2022**, 3, 100639	1
109	A MLE-based blind signal separation method for time–frequency overlapped signal using neural network. **2022**, 2022,	0
108	Single-subject EEG measurement of interhemispheric transfer-time for the in-vivo estimation of axonal morphology.	0
107	SoftHebb: Bayesian inference in unsupervised Hebbian soft winner-take-all networks. **2022**, 2, 044017	0

106	Identification of pre-synaptic density networks using [11C]UCB-J PET imaging and ICA in mice. **2022**, 264, 119771	0
105	Children cooled for neonatal encephalopathy without cerebral palsy retain healthy resting-state static and dynamic functional connectivity.	0
104	A Study on Brain□Computer Interface: Methods and Applications. **2023**, 4,	2
103	Hippocampal, basal ganglia and olfactory connectivity contribute to cognitive impairments in Parkinson□s disease.	0
102	Lingering neural representations of past task features adversely affect future behavior. JN-RM-0464-22	0
101	Developmental differences in EEG oscillations supporting the identification of novel word meaning from context. **2022**, 58, 101185	0
100	Tumor Segmentation using temporal Independent Component Analysis for DCE-MRI.	0
99	A unifying theory explains seemingly contradicting biases in perceptual estimation.	0
98	Sustained responses and neural synchronization to amplitude and frequency modulation in sound change with age. **2022**, 108677	0
97	Optimal parameters for Rapid Invisible Frequency Tagging using MEG.	0
96	Abnormal brain functional network dynamics in sleep-related hypermotor epilepsy.	0
95	Information theory. **2001**, 490-519	0
94	Copyright Page. **2001**, iv-iv	0
93	Introduction to linear algebra for neural networks. **2001**, 477-489	0
92	Preface. **2001**, v-viii	0
91	A Novel Anomaly Detection Method for Digital Twin Data Using Deconvolution Operation with Attention Mechanism. **2022**, 1-9	0
90	Information, Novelty, and Surprise in Brain Theory. **2022**, 181-209	0
89	EEG Lempel-Ziv complexity varies with sleep stage, but does not seem to track dream experience. 16,	0

88	The dietary polyphenol metabolite protocatechuic acid produces acute and sustained effects on hippocampal electrical activity.	0
87	Changes in Resting-State Neural Activity and Nerve Fibres in Ischaemic Stroke Patients with Hemiplegia.	0
86	Multiple independent components contribute to event-related potential correlates of conscious vision.	0
85	Altered intrinsic brain functional network dynamics in moderate-to-severe obstructive sleep apnea. **2023**, 101, 550-557	0
84	IABC: A Toolbox for Intelligent Analysis of Brain Connectivity.	0
83	A Method For Estimating And Characterizing Explicitly Nonlinear Dynamic Functional Network Connectivity In Resting-State fMRI Data. **2023**, 109794	0
82	Source Localization and Spectrum Analyzing of EEG in Stuttering State upon Dysfluent Utterances. 1550059422	11506
81	Brain dynamics in triple-network interactions and its relation to multiple cognitive impairments in mild traumatic brain injury.	0
80	Neural signatures of task-related fluctuations in auditory attention and age-related changes. **2023**, 119883	0
79	EEG measures of attention toward food-related stimuli vary with food neophobia. **2023**, 106, 104805	0
78	Alterations in rhythmic and non-rhythmic resting-state EEG activity and their link to cognition in older age. **2023**, 268, 119810	0
77	Bursts over Frontal Cortex Track the Surprise of Unexpected Events in Auditory, Visual, and Tactile Modalities. 1-24	0
76	Right inferior frontal gyrus damage is associated with impaired initiation of inhibitory control, but not its implementation. 11,	1
75	Discriminatory Brain Processes of Native and Foreign Language in Children with and without Reading Difficulties. **2023**, 13, 76	0
74	Efficient neural codes naturally emerge through gradient descent learning. **2022**, 13,	0
73	Blind Source Separation: A Performance Review Approach. **2022**,	0
72	Systematically characterizing the roles of E3-ligase family members in inflammatory responses with massively parallel Perturb-seq.	0
71	Reliability of Mental Workload Index Assessed by EEG with Different Electrode Configurations and Signal Pre-Processing Pipelines. **2023**, 23, 1367	0

70	Dynamic functional connectivity changes associated with psychiatric traits and cognitive deficits in Cushing disease.	0
69	Altered task induced functional brain networks and small-world properties in autism. 13,	0
68	EEG Models and Analysis. **2023**, 2427-2462	0
67	Joint Graph Learning and Blind Separation of Smooth Graph Signals Using Minimization of Mutual Information and Laplacian Quadratic Forms. **2023**, 9, 35-47	0
66	Compensatory Role of the Amygdala During Motor Timing and Selection in Parkinson's Disease. **2022**,	0
65	Crosstalk in Facial EMG and Its Reduction Using ICA. **2023**, 23, 2720	0
64	Reconstruction and localization of auditory sources from intracerebral SEEG using independent component analysis. **2023**, 269, 119905	0
63	Cluster-aware multiplex InfoMax for unsupervised graph representation learning. **2023**, 532, 94-105	0
62	Auditory P3a response to native and foreign speech in children with or without attentional deficit. **2023**, 183, 108506	0
61	Adolescent ADHD and electrophysiological reward responsiveness: A machine learning approach to evaluate classification accuracy and prognosis. **2023**, 323, 115139	0
60	A resting state EEG study on depressed persons with suicidal ideation. **2023**, 14, 346-352	0
59	A novel method for processing noisy magnetotelluric data based on independence of signal sources and continuity of response functions. **2023**, 213, 105012	0
58	Changes of creative ability and underlying brain network connectivity throughout the lifespan. **2023**, 168, 105975	0
57	Infomax-based deep autoencoder network for recognition of multi-element geochemical anomalies linked to mineralization. **2023**, 175, 105341	0
56	EEG Quality: The Pulse Artifact. **2022**, 167-188	0
55	Experimental Design and Data Analysis Strategies. **2022**, 267-322	0
54	Cortical encoding of rhythmic kinematic structures in biological motion. **2023**, 268, 119893	0
53	Neural Mechanisms of the Acceptable Noise Level. **2023**, 66, 765-774	0

52	Evaluating Human-in-the-Loop Assistive Feeding Robots Under Different Levels of Autonomy with VR Simulation and Physiological Sensors. **2022**, 314-327	0
51	Elucidating the functional roles of prokaryotic proteins using big data and artificial intelligence. **2023**, 47,	0
50	Extracting the Invisible: Mesial Temporal Source Detection in Simultaneous EEG and SEEG Recordings. **2023**, 36, 192-209	0
49	Transcutaneous Electrical Cranial-Auricular Acupoint Stimulation Modulating the Brain Functional Connectivity of Mild-to-Moderate Major Depressive Disorder: An fMRI Study Based on Independent Component Analysis. **2023**, 13, 274	0
48	EEG-based detection of modality-specific visual and auditory sensory processing. **2023**, 20, 016049	0
47	An Information-Theoretic Perspective on Intrinsic Motivation in Reinforcement Learning: A Survey. **2023**, 25, 327	0
46	Hierarchical psychophysiological pathways subtend perceptual asymmetries in Neglect. **2023**, 270, 119942	0
45	Impact of neuromodulation on post-stroke aphasia: a multimodal randomized controlled study.	0
44	Early threat perception is independent of later cognitive and behavioral control. A virtual reality-EEG-ECG study.	0
43	Neural responses to repeated noise structure in sounds are invariant to temporal interruptions.	0
42	Working memory load modulates the processing of audiovisual distractors: A behavioral and event-related potentials study. 17,	0
41	Linking resting-state network fluctuations with systems of coherent synaptic density: A multimodal fMRI and 11C-UCB-J PET study. 17,	0
40	TMS combined with EEG: Recommendations and open issues for data collection and analysis. **2023**, 16, 567-593	1
39	Altered dynamic functional connectivity associates with post-traumatic stress disorder.	0
38	Revisiting Polarity Indeterminacy of ICA-Decomposed ERPs and Scalp Topographies. **2023**, 36, 223-229	0
37	Construction of Meta-Thinking Educational Program Based on Mental-Brain Simulation (MTMBS) and Evaluating its Effectiveness on Executive Functions, Emotion Regulation, and Impulsivity in Children With ADHD: A Resting-State Functional MRI Study. 108705472311554	0
36	Resting-state functional connectivity in lifelong musicians. **2023**, 3,	0
35	Multimodal fusion of multiple rest fMRI networks and MRI gray matter via multilink joint ICA reveals highly significant function/structure coupling in Alzheimer disease.	0

34	Sparse representation learning derives biological features with explicit gene weights from the Allen Mouse Brain Atlas. **2023**, 18, e0282171	0
33	Altered hippocampal intra-networks in mild cognitive impairment: a structural MRI study in a general elderly Japanese population.	0
32	Non-Linear Adapted Spatio-Temporal Filter for Single-Trial Identification of Movement-Related Cortical Potential. **2023**, 12, 1246	0
31	Hybrid Genetic Algorithm for Clustering IC Topographies of EEGs.	0
30	Disrupted dynamic functional network connectivity in fetal alcohol spectrum disorders.	0
29	The patent foramen ovale may alter migraine brain activity: A pilot study of electroencephalography spectrum and functional connectivity analysis. 16,	0
28	Attention modulates neural measures associated with beat perception.	0
27	The widespread action observation/execution matching system for facial expression processing.	0
26	A Unifying View on Blind Source Separation of Convolutive Mixtures Based on Independent Component Analysis. **2023**, 71, 816-830	0
25	Improved Echo State Network With Multiple Activation Functions. **2022**,	0
24	Neural mechanisms of expert persuasion on willingness to pay for sugar. 17,	0
23	Identification of Homogeneous Subgroups from Resting-State fMRI Data. **2023**, 23, 3264	0
22	Median-Plane Head-Related Transfer Function Personalization Using Two-Dimensional Independent Component Analysis. **2022**,	0
21	BitBrain and Sparse Binary Coincidence (SBC) memories: Fast, robust learning and inference for neuromorphic architectures. 17,	0
20	Integration–segregation dynamics in functional networks of individuals diagnosed with schizophrenia.	0
19	Abnormal intra- and inter-network functional connectivity of brain networks in early-onset Parkinson's disease and late-onset Parkinson's disease. 15,	0
18	Removing EOG Artifacts from the Resting State EEG Signal of Methamphetamine Addicts by ICA Algorithms. **2023**,	0
17	Modulations of Cortical Power and Connectivity in Alpha and Beta Bands during the Preparation of Reaching Movements. **2023**, 23, 3530	0

16	Decoding reappraisal and suppression from neural circuits: A combined supervised and unsupervised machine learning approach.	0
15	Mapping and decoding cortical engagement during motor imagery, mental arithmetic, and silent word generation using MEG.	0
14	Spatial Variability of Rainfall and Classification of Peninsular Indian Catchments.	0
13	Deep Learning-Enhanced ICA Algorithm for Sub-Gaussian Blind Source Separation. **2023**, 252-259	0
12	Seizure dynamotype classification using non-invasive recordings.	0
11	ICA bug: How ghost ICs emerge from effective rank deficiency caused by EEG electrode interpolation and incorrect re-referencing. 3,	0
10	Functional network interactions in patients with schizophrenia with persistent auditory verbal hallucinations: A multimodal MRI fusion approach using three-way pICA. **2023**,	0
9	Neural representations of non-native speech reflect proficiency and interference from native language knowledge.	0
8	Machine learning-based identification of a psychotherapy-predictive electroencephalographic signature in PTSD. **2023**, 1, 284-294	0
7	Neural speech tracking benefit of lip movements predicts behavioral deterioration when the speaker's mouth is occluded.	0
6	Degradation of EEG microstates patterns in Subjective Cognitive Decline and Mild Cognitive Impairment: early biomarkers along the Alzheimer's Disease continuum?. **2023**, 103407	0
5	PRedicting the EVolution of SubjectIvE Cognitive Decline to Alzheimer's Disease With machine learning: the PREVIEW study protocol.	0
4	Application of a Hermite-based measure of non-Gaussianity to normality tests and independent component analysis. 17,	0
3	EEG Quality: The Image Acquisition Artefact. **2022**, 189-212	0
2	Stability of mental motor-imagery classification in EEG depends on the choice of classifier model and experiment design, but not on signal preprocessing. 17,	0
1	Breakdown of long-range spatial correlations of infraslow amplitude fluctuations of EEG oscillations in patients with current and past major depressive disorder. 14,	0