Andrzej Cichocki

List of Publications by Year
in descending order

551 papers	26,835 citations	5268 83 h-index	11939 134 g-index
576 all docs	576 docs citations	576 times ranked	14362 citing authors

#	Article	IF	Citations
1	Robust Similarity Measurement Based on a Novel Time Filter for SSVEPs Detection. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4096-4105.	11.3	58
2	Bicriteria Sparse Nonnegative Matrix Factorization via Two-Timescale Duplex Neurodynamic Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 4881-4891.	11.3	25
3	Manifold Modeling in Embedded Space: An Interpretable Alternative to Deep Image Prior. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1022-1036.	11.3	11
4	Deep Learning in EEG: Advance of the Last Ten-Year Critical Period. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 348-365.	3.8	41
5	GFIL: A Unified Framework for the Importance Analysis of Features, Frequency Bands, and Channels in EEG-Based Emotion Recognition. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 935-947.	3.8	41
6	Multikernel Capsule Network for Schizophrenia Identification. IEEE Transactions on Cybernetics, 2022, 52, 4741-4750.	9.5	28
7	Multi-view optimization of time-frequency common spatial patterns for brain-computer interfaces. Journal of Neuroscience Methods, 2022, 365, 109378.	2.5	14
8	A Novel Classification Framework Using the Graph Representations of Electroencephalogram for Motor Imagery Based Brain-Computer Interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 20-29.	4.9	21
9	SincNet-Based Hybrid Neural Network for Motor Imagery EEG Decoding. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 540-549.	4.9	30
10	S^3LRR: A Unified Model for Joint Discriminative Subspace Identification and Semisupervised EEG Emotion Recognition. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-13.	4.7	4
11	Data augmentation for Convolutional LSTM based brain computer interface system. Applied Soft Computing Journal, 2022, 122, 108811.	7.2	3
12	Bispectrum-based hybrid neural network for motor imagery classification. Journal of Neuroscience Methods, 2022, 375, 109593.	2.5	3
13	OGSSL: A Semi-Supervised Classification Model Coupled With Optimal Graph Learning for EEG Emotion Recognition. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1288-1297.	4.9	15
14	Evoked Response Potentials. , 2022, , 2475-2478.		0
15	Sparse signal reconstruction via collaborative neurodynamic optimization. Neural Networks, 2022, 154, 255-269.	5.9	15
16	Internal Feature Selection Method of CSP Based on L1-Norm and Dempster–Shafer Theory. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4814-4825.	11.3	147
17	Canonical polyadic decomposition (CPD) of big tensors with low multilinear rank. Multimedia Tools and Applications, 2021, 80, 22987-23007.	3.9	3
18	MERACLE: Constructive Layer-Wise Conversion of a Tensor Train into a MERA. Communications on Applied Mathematics and Computation, 2021, 3, 257-279.	1.7	3

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19	Randomized Algorithms for Computation of Tucker Decomposition and Higher Order SVD (HOSVD). IEEE Access, 2021, 9, 28684-28706.	4.2	36
20	The Influence of Visual Attention on The Performance of A Novel Tactile P300 Brain-Computer Interface with Cheeks-Stim Paradigm. International Journal of Neural Systems, 2021, 31, 2150004.	5.2	11
21	Effects of Skin Friction on Tactile P300 Brain-Computer Interface Performance. Computational Intelligence and Neuroscience, 2021, 2021, 1-10.	1.7	4
22	Future Trends for Human-AI Collaboration: A Comprehensive Taxonomy of AI/AGI Using Multiple Intelligences and Learning Styles. Computational Intelligence and Neuroscience, 2021, 2021, 1-21.	1.7	22
23	Evaluation of color modulation in visual P300-speller using new stimulus patterns. Cognitive Neurodynamics, 2021, 15, 873-886.	4.0	14
24	Krylov-Levenberg-Marquardt Algorithm for Structured Tucker Tensor Decompositions. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 550-559.	10.8	7
25	Adaptive Rank Selection for Tensor Ring Decomposition. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 454-463.	10.8	9
26	Measures of resting state EEG rhythms for clinical trials in Alzheimer's disease: Recommendations of an expert panel. Alzheimer's and Dementia, 2021, 17, 1528-1553.	0.8	64
27	Matrix and tensor completion using tensor ring decomposition with sparse representation. Machine Learning: Science and Technology, 2021, 2, 035008.	5.0	4
28	Optimization of Model Training Based on Iterative Minimum Covariance Determinant In Motor-Imagery BCI. International Journal of Neural Systems, 2021, 31, 2150030.	5.2	21
29	Canonical Polyadic Tensor Decomposition With Low-Rank Factor Matrices. , 2021, , .		5
30	On the robustness of EEG tensor completion methods. Science China Technological Sciences, 2021, 64, 1828-1842.	4.0	8
31	Feature Selection Combining Filter and Wrapper Methods for Motor-Imagery Based Brain–Computer Interfaces. International Journal of Neural Systems, 2021, 31, 2150040.	5.2	16
32	Image Completion in Embedded Space Using Multistage Tensor Ring Decomposition. Frontiers in Artificial Intelligence, 2021, 4, 687176.	3.4	7
33	Distinguishable spatial-spectral feature learning neural network framework for motor imagery-based brain–computer interface. Journal of Neural Engineering, 2021, 18, 0460e4.	3.5	6
34	Enhancing P300 based character recognition performance using a combination of ensemble classifiers and a fuzzy fusion method. Journal of Neuroscience Methods, 2021, 362, 109300.	2.5	3
35	WLnet: Towards an Approach for Robust Workload Estimation Based on Shallow Neural Networks. IEEE Access, 2021, 9, 3165-3173.	4.2	4
36	Learning Common Time-Frequency-Spatial Patterns for Motor Imagery Classification. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 699-707.	4.9	66

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37	Randomized algorithms for fast computation of low rank tensor ring model. Machine Learning: Science and Technology, 2021, 2, 011001.	5.0	9
38	Self-Weighted Semi-Supervised Classification for Joint EEG-Based Emotion Recognition and Affective Activation Patterns Mining. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	7
39	Cross Tensor Approximation Methods for Compression and Dimensionality Reduction. IEEE Access, 2021, 9, 150809-150838.	4.2	9
40	Feature selection method based on Menger curvature and LDA theory for a P300 brain–computer interface. Journal of Neural Engineering, 2021, 18, 066050.	3.5	7
41	Quadratic programming over ellipsoids with applications to constrained linear regression and tensor decomposition. Neural Computing and Applications, 2020, 32, 7097-7120.	5.6	7
42	Tensor Networks for Latent Variable Analysis: Higher Order Canonical Polyadic Decomposition. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2174-2188.	11.3	10
43	Efficient representations of EEG signals for SSVEP frequency recognition based on deep multiset CCA. Neurocomputing, 2020, 378, 36-44.	5.9	39
44	Novel hybrid brain–computer interface system based on motor imagery and P300. Cognitive Neurodynamics, 2020, 14, 253-265.	4.0	27
45	Face Representations via Tensorfaces of Various Complexities. Neural Computation, 2020, 32, 281-329.	2.2	1
46	The Study of Generic Model Set for Reducing Calibration Time in P300-Based Brain–Computer Interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 3-12.	4.9	90
47	Topological Network Analysis of Early Alzheimer's Disease Based on Resting-State EEG. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2164-2172.	4.9	43
48	A joint optimization framework to semi-supervised RVFL and ELM networks for efficient data classification. Applied Soft Computing Journal, 2020, 97, 106756.	7.2	30
49	Weighted Krylov-Levenberg-Marquardt Method for Canonical Polyadic Tensor Decomposition. , 2020, , .		4
50	Block Hankel Tensor ARIMA for Multiple Short Time Series Forecasting. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 5758-5766.	4.9	42
51	Bispectrum-Based Channel Selection for Motor Imagery Based Brain-Computer Interfacing. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2153-2163.	4.9	93
52	BCI-Based Rehabilitation on the Stroke in Sequela Stage. Neural Plasticity, 2020, 2020, 1-10.	2.2	41
53	Matrix and Tensor Completion in Multiway Delay Embedded Space Using Tensor Train, With Application to Signal Reconstruction. IEEE Signal Processing Letters, 2020, 27, 810-814.	3.6	22
54	Joint Semi-Supervised Feature Auto-Weighting and Classification Model for EEG-Based Cross-Subject Sleep Quality Evaluation. , 2020, , .		3

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55	Tensor Networks for Latent Variable Analysis: Novel Algorithms for Tensor Train Approximation. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 4622-4636.	11.3	15
56	Effects of Visual Attention on Tactile P300 BCI. Computational Intelligence and Neuroscience, 2020, 2020, 1-11.	1.7	9
57	Comparison of the ERP-Based BCI Performance Among Chromatic (RGB) Semitransparent Face Patterns. Frontiers in Neuroscience, 2020, 14, 54.	2.8	13
58	Multiband entropy-based feature-extraction method for automatic identification of epileptic focus based on high-frequency components in interictal iEEG. Scientific Reports, 2020, 10, 7044.	3.3	25
59	Stable Low-Rank Tensor Decomposition for Compression of Convolutional Neural Network. Lecture Notes in Computer Science, 2020, , 522-539.	1.3	36
60	Effects of the combination of block-shape and face flashing stimuli on a P300 brain computer interface. , 2020, , .		0
61	Temporally Constrained Sparse Group Spatial Patterns for Motor Imagery BCI. IEEE Transactions on Cybernetics, 2019, 49, 3322-3332.	9.5	232
62	Joint Structured Graph Learning and Unsupervised Feature Selection. , 2019, , .		2
63	Correlation-based channel selection and regularized feature optimization for MI-based BCI. Neural Networks, 2019, 118, 262-270.	5.9	238
64	Learning Efficient Tensor Representations with Ring-structured Networks. , 2019, , .		36
65	Sensitivity in Tensor Decomposition. IEEE Signal Processing Letters, 2019, 26, 1653-1657.	3.6	10
66	An Optimized Channel Selection Method Based on Multifrequency CSP-Rank for Motor Imagery-Based BCI System. Computational Intelligence and Neuroscience, 2019, 2019, 1-10.	1.7	50
67	Joint Structured Graph Learning and Clustering Based on Concept Factorization. , 2019, , .		2
68	Flexible Non-negative Matrix Factorization with Adaptively Learned Graph Regularization. , 2019, , .		6
69	A Hybrid System for Distinguishing between Brain Death and Coma Using Diverse EEG Features. Sensors, 2019, 19, 1342.	3.8	8
70	Error Preserving Correction: A Method for CP Decomposition at a Target Error Bound. IEEE Transactions on Signal Processing, 2019, 67, 1175-1190.	5.3	17
71	Regularized Group Sparse Discriminant Analysis for P300-Based Brainâ€"Computer Interface. International Journal of Neural Systems, 2019, 29, 1950002.	5.2	30
72	EmotionMeter: A Multimodal Framework for Recognizing Human Emotions. IEEE Transactions on Cybernetics, 2019, 49, 1110-1122.	9.5	452

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73	Sparse Group Representation Model for Motor Imagery EEG Classification. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 631-641.	6.3	140
74	Towards correlation-based time window selection method for motor imagery BCIs. Neural Networks, 2018, 102, 87-95.	5.9	127
75	Effect of a combination of flip and zooming stimuli on the performance of a visual brain-computer interface for spelling. Biomedizinische Technik, 2018, 64, 29-38.	0.8	4
76	Whole Brain fMRI Pattern Analysis Based on Tensor Neural Network. IEEE Access, 2018, 6, 29297-29305.	4.2	12
77	Fundamental tensor operations for large-scale data analysis using tensor network formats. Multidimensional Systems and Signal Processing, 2018, 29, 921-960.	2.6	34
78	The Effects of Audiovisual Inputs on Solving the Cocktail Party Problem in the Human Brain: An fMRI Study. Cerebral Cortex, 2018, 28, 3623-3637.	2.9	25
79	Tensor Networks for Dimensionality Reduction, Big Data and Deep Learning. Studies in Computational Intelligence, 2018, , 3-49.	0.9	9
80	Multi-kernel extreme learning machine for EEG classification in brain-computer interfaces. Expert Systems With Applications, 2018, 96, 302-310.	7.6	208
81	Task-Independent EEG Identification via Low-Rank Matrix Decomposition. , 2018, , .		9
82	Medical Image De-noising Using Deep Networks. , 2018, , .		2
83	Learning the Hierarchical Parts of Objects by Deep Non-Smooth Nonnegative Matrix Factorization. IEEE Access, 2018, 6, 58096-58105.	4.2	27
84	A Robust PCA Approach With Noise Structure Learning and Spatial–Spectral Low-Rank Modeling for Hyperspectral Image Restoration. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 3863-3879.	4.9	16
85	Information Theoretic Approaches for Motor-Imagery BCI Systems: Review and Experimental Comparison. Entropy, 2018, 20, 7.	2.2	24
86	Evoked Response Potentials. , 2018, , 1-3.		0
87	Canonical Polyadic Decomposition With Auxiliary Information for Brain–Computer Interface. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 263-271.	6.3	16
88	Rate of Convergence of the FOCUSS Algorithm. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1276-1289.	11.3	7
89	An improved P300 pattern in BCI to catch user's attention. Journal of Neural Engineering, 2017, 14, 036001.	3.5	59
90	Neural networks for computing best rank-one approximations of tensors and its applications. Neurocomputing, 2017, 267, 114-133.	5.9	38

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91	Tensor Networks for Dimensionality Reduction and Large-scale Optimization: Part 2 Applications and Future Perspectives. Foundations and Trends in Machine Learning, 2017, 9, 249-429.	69.0	128
92	Non-orthogonal tensor diagonalization. Signal Processing, 2017, 138, 313-320.	3.7	11
93	Video denoising using low rank tensor decomposition. , 2017, , .		1
94	Numerical CP decomposition of some difficult tensors. Journal of Computational and Applied Mathematics, 2017, 317, 362-370.	2.0	17
95	Partitioned Hierarchical alternating least squares algorithm for CP tensor decomposition. , 2017, , .		2
96	Sparse Bayesian multiway canonical correlation analysis for EEG pattern recognition. Neurocomputing, 2017, 225, 103-110.	5.9	50
97	An augmented Lagrangian algorithm for decomposition of symmetric tensors of order-4. , 2017, , .		1
98	Optimization of Alpha-Beta Log-Det Divergences and their Application in the Spatial Filtering of Two Class Motor Imagery Movements. Entropy, 2017, 19, 89.	2.2	17
99	A New Generation of Brain-Computer Interfaces Driven by Discovery of Latent EEG-fMRI Linkages Using Tensor Decomposition. Frontiers in Neuroscience, 2017, 11, 246.	2.8	23
100	Exploring Combinations of Different Color and Facial Expression Stimuli for Gaze-Independent BCIs. Frontiers in Computational Neuroscience, 2016, 10, 5.	2.1	14
101	Effects of Background Music on Objective and Subjective Performance Measures in an Auditory BCI. Frontiers in Computational Neuroscience, 2016, 10, 105.	2.1	18
102	Optimizing the Face Paradigm of BCI System by Modified Mismatch Negative Paradigm. Frontiers in Neuroscience, 2016, 10, 444.	2.8	8
103	Rank-one tensor injection: A novel method for canonical polyadic tensor decomposition. , 2016, , .		0
104	Partitioned Alternating Least Squares Technique for Canonical Polyadic Tensor Decomposition. IEEE Signal Processing Letters, 2016, 23, 993-997.	3.6	13
105	Exploiting ongoing EEG with multilinear partial least squares during free-listening to music. , 2016, , .		6
106	Decoding EEG in Cognitive Tasks With Time-Frequency and Connectivity Masks. IEEE Transactions on Cognitive and Developmental Systems, 2016, 8, 298-308.	3.8	31
107	Tensor Networks for Dimensionality Reduction and Large-scale Optimization: Part 1 Low-Rank Tensor Decompositions. Foundations and Trends in Machine Learning, 2016, 9, 249-429.	69.0	255
108	Improved SFFS method for channel selection in motor imagery based BCI. Neurocomputing, 2016, 207, 519-527.	5.9	110

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110	Nonnegative Tensor Train Decompositions for Multi-domain Feature Extraction and Clustering. Lecture Notes in Computer Science, 2016, , 87-95.	1.3	13
111	Tensor completion via functional smooth component deflation. , 2016, , .		7
112	Regularized Computation of Approximate Pseudoinverse of Large Matrices Using Low-Rank Tensor Train Decompositions. SIAM Journal on Matrix Analysis and Applications, 2016, 37, 598-623.	1.4	17
113	Removal of EEG artifacts for BCI applications using fully Bayesian tensor completion. , 2016, , .		13
114	Total Variation Regularized Tensor RPCA for Background Subtraction From Compressive Measurements. IEEE Transactions on Image Processing, 2016, 25, 4075-4090.	9.8	135
115	An exploration of spatial auditory BCI paradigms with different sounds: music notes versus beeps. Cognitive Neurodynamics, 2016, 10, 201-209.	4.0	12
116	Fast nonnegative tensor factorization based on accelerated proximal gradient and low-rank approximation. Neurocomputing, 2016, 198, 148-154.	5.9	47
117	Biomedical Signal Processing: From a Conceptual Framework to Clinical Applications [Scanning the Issue]. Proceedings of the IEEE, 2016, 104, 220-222.	21.3	12
118	Discriminative Feature Extraction via Multivariate Linear Regression for SSVEP-Based BCI. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 532-541.	4.9	120
119	Linked Component Analysis From Matrices to High-Order Tensors: Applications to Biomedical Data. Proceedings of the IEEE, 2016, 104, 310-331.	21.3	148
120	Bayesian Robust Tensor Factorization for Incomplete Multiway Data. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 736-748.	11.3	154
121	Sparse Bayesian Classification of EEG for Brainâ€"Computer Interface. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2256-2267.	11.3	208
122	Group Component Analysis for Multiblock Data: Common and Individual Feature Extraction. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 2426-2439.	11.3	125
123	A Six-Step Framework on Biomedical Signal Analysis for Tackling Noncommunicable Diseases: Current and Future Perspectives. JMIR Biomedical Engineering, 2016, 1, e1.	1.2	17
124	Usefulness of Quasi-L1 Norm-Based Nonnegative Matrix Factorization Algorithm to Estimate Background Signal using Environmental Electromagnetic Field Measurements at ELF Band. IEEJ Transactions on Fundamentals and Materials, 2016, 136, 241-251.	0.2	2
125	A fast automatic low-rank determination algorithm for noisy matrix completion. , 2015, , .		4
126	Methods for Transition Toward Computer Assisted Cognitive Examination. Methods of Information in Medicine, 2015, 54, 256-261.	1.2	1

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127	Log-Determinant Divergences Revisited: Alpha-Beta and Gamma Log-Det Divergences. Entropy, 2015, 17, 2988-3034.	2.2	45
128	Low rank tensor deconvolution. , 2015, , .		4
129	Epileptic EEG visualization and sonification based on linear discriminate analysis. , 2015, 2015, 4466-9.		4
130	Tensor Deflation for CANDECOMP/PARAFAC— Part II: Initialization and Error Analysis. IEEE Transactions on Signal Processing, 2015, 63, 5939-5950.	5.3	6
131	Stable, Robust, and Super Fast Reconstruction of Tensors Using Multi-Way Projections. IEEE Transactions on Signal Processing, 2015, 63, 780-793.	5.3	37
132	Tensor Decompositions for Signal Processing Applications: From two-way to multiway component analysis. IEEE Signal Processing Magazine, 2015, 32, 145-163.	5.6	959
133	Two Efficient Algorithms for Approximately Orthogonal Nonnegative Matrix Factorization. IEEE Signal Processing Letters, 2015, 22, 843-846.	3.6	96
134	Smooth nonnegative matrix and tensor factorizations for robust multi-way data analysis. Signal Processing, 2015, 113, 234-249.	3.7	87
135	Enhanced Motor Imagery Training Using a Hybrid BCI With Feedback. IEEE Transactions on Biomedical Engineering, 2015, 62, 1706-1717.	4.2	95
136	Bayesian CP Factorization of Incomplete Tensors with Automatic Rank Determination. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2015, 37, 1751-1763.	13.9	495
137	A hybrid feature selection approach for the early diagnosis of Alzheimer's disease. Journal of Neural Engineering, 2015, 12, 016018.	3.5	42
138	A Novel EOG/EEG Hybrid Human—Machine Interface Adopting Eye Movements and ERPs: Application to Robot Control. IEEE Transactions on Biomedical Engineering, 2015, 62, 876-889.	4.2	167
139	The Uncinate Fasciculus as a Predictor of Conversion from Amnestic Mild Cognitive Impairment to Alzheimer Disease. Journal of Neuroimaging, 2015, 25, 748-753.	2.0	21
140	Convergence Analysis of the FOCUSS Algorithm. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 601-613.	11.3	19
141	Feature learning from incomplete EEG with denoising autoencoder. Neurocomputing, 2015, 165, 23-31.	5.9	127
142	A Contrast Function Based on Generalized Divergences for Solving the Permutation Problem in Convolved Speech Mixtures. IEEE/ACM Transactions on Audio Speech and Language Processing, 2015, 23, 1713-1726.	5.8	10
143	Estimating a Few Extreme Singular Values and Vectors for Large-Scale Matrices in Tensor Train Format. SIAM Journal on Matrix Analysis and Applications, 2015, 36, 994-1014.	1.4	23
144	A P300 Brain—Computer Interface Based on a Modification of the Mismatch Negativity Paradigm. International Journal of Neural Systems, 2015, 25, 1550011.	5.2	119

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145	Image Classification with Nonnegative Matrix Factorization Based on Spectral Projected Gradient. Springer Series in Bio-/neuroinformatics, 2015, , 31-50.	0.1	5
146	Common components analysis via linked blind source separation. , 2015, , .		3
147	Efficient Nonnegative Tucker Decompositions: Algorithms and Uniqueness. IEEE Transactions on Image Processing, 2015, 24, 4990-5003.	9.8	135
148	Tensor Deflation for CANDECOMP/PARAFAC—" Part I: Alternating Subspace Update Algorithm. IEEE Transactions on Signal Processing, 2015, 63, 5924-5938.	5.3	21
149	Optimizing spatial patterns with sparse filter bands for motor-imagery based brain–computer interface. Journal of Neuroscience Methods, 2015, 255, 85-91.	2.5	223
150	EEG Correlates of Voice and Face Emotional Judgments in the Human Brain. Cognitive Computation, 2015, 7, 11-19.	5.2	9
151	SSVEP recognition using common feature analysis in brain–computer interface. Journal of Neuroscience Methods, 2015, 244, 8-15.	2.5	88
152	A survey of the dummy face and human face stimuli used in BCI paradigm. Journal of Neuroscience Methods, 2015, 239, 18-27.	2.5	27
153	Rank Splitting for CANDECOMP/PARAFAC. Lecture Notes in Computer Science, 2015, , 31-40.	1.3	1
154	AN ERP-BASED BCI USING AN ODDBALL PARADIGM WITH DIFFERENT FACES AND REDUCED ERRORS IN CRITICAL FUNCTIONS. International Journal of Neural Systems, 2014, 24, 1450027.	5.2	103
155	FREQUENCY RECOGNITION IN SSVEP-BASED BCI USING MULTISET CANONICAL CORRELATION ANALYSIS. International Journal of Neural Systems, 2014, 24, 1450013.	5.2	311
156	Nonnegative Shifted Tensor Factorization in time frequency domain. , 2014, , .		1
157	LOW-RANK APPROXIMATION BASED NON-NEGATIVE MULTI-WAY ARRAY DECOMPOSITION ON EVENT-RELATED POTENTIALS. International Journal of Neural Systems, 2014, 24, 1440005.	5.2	23
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159	Decreasing the interference of visual-based P300 BCI using facial expression changes. , 2014, , .		2
160	Multi-tensor completion for estimating missing values in video data. , 2014, , .		3
161	Extracting commuting patterns in railway networks through matrix decompositions. , 2014, , .		4
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164	Synchrony analysis of paroxysmal gamma waves in meditation EEG. , 2014, , .		2
165	Deflation method for CANDECOMP/PARAFAC tensor decomposition. , 2014, , .		3
166	Fast and stable recovery of Approximately low multilinear rank tensors from multi-way compressive measurements. , 2014, , .		2
167	Tensor-variate Gaussian processes regression and its application to video surveillance. , 2014, , .		13
168	Multilinear and nonlinear generalizations of partial least squares: an overview of recent advances. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2014, 4, 104-115.	6.8	9
169	Hybrid-BCI: Classification of auditory and visual related potentials. , 2014, , .		9
170	Cyborg Intelligence: Towards Bio-Machine Intelligent Systems. IEEE Intelligent Systems, 2014, 29, 2-4.	4.0	8
171	Revising algorithm for nonnegative matrix factorization based on minimizing quasi-L1 norm. , 2014, , .		4
172	Multilinear tensor rank estimation via Sparse Tucker Decomposition. , 2014, , .		11
173	GOM-Face: GKP, EOG, and EMG-Based Multimodal Interface With Application to Humanoid Robot Control. IEEE Transactions on Biomedical Engineering, 2014, 61, 453-462.	4.2	84
174	Source Separation and Applications [From the Guest Editors]. IEEE Signal Processing Magazine, 2014, 31, 16-17.	5.6	9
175	Nonnegative Matrix and Tensor Factorizations : An algorithmic perspective. IEEE Signal Processing Magazine, 2014, 31, 54-65.	5.6	91
176	Unsupervised Learning Algorithms and Latent Variable Models: PCA/SVD, CCA/PLS, ICA, NMF, etc.. Academic Press Library in Signal Processing, 2014, 1, 1151-1238.	0.8	1
177	Multifactor sparse feature extraction using Convolutive Nonnegative Tucker Decomposition. Neurocomputing, 2014, 129, 17-24.	5.9	13
178	A Theta-Band EEG Based Index for Early Diagnosis of Alzheimer's Disease. Journal of Alzheimer's Disease, 2014, 43, 1175-1184.	2.6	24
179	Bimodal BCI Using Simultaneously NIRS and EEG. IEEE Transactions on Biomedical Engineering, 2014, 61, 1274-1284.	4.2	91
180	An optimized ERP brain–computer interface based on facial expression changes. Journal of Neural Engineering, 2014, 11, 036004.	3.5	72

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181	From Auditory and Visual to Immersive Neurofeedback: Application to Diagnosis of Alzheimer's Disease. , 2014, , 63-97.		4
182	Fast Nonnegative Tensor Factorization by Using Accelerated Proximal Gradient. Lecture Notes in Computer Science, 2014, , 459-468.	1.3	4
183	Deep Learning of Multifractal Attributes from Motor Imagery Induced EEG. Lecture Notes in Computer Science, 2014, , 503-510.	1.3	26
184	Linked Tucker2 Decomposition for Flexible Multi-block Data Analysis. Lecture Notes in Computer Science, 2014, , 111-118.	1.3	3
185	Individual Classification of Emotions Using EEG. Journal of Biomedical Science and Engineering, 2014, 07, 604-620.	0.4	66
186	B-Spline Smoothing of Feature Vectors in Nonnegative Matrix Factorization. Lecture Notes in Computer Science, 2014, , 72-81.	1.3	5
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190	Patients' consciousness analysis using dynamic approximate entropy and MEMD method. , 2013, , .		3
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