

Tzyy-Ping Jung

List of Publications by Year in descending order

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Version: 2024-02-01

253
papers

23,121
citations

18887

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11282

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docs citations

264
times ranked

17837
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of an Adaptive Artifact Subspace Reconstruction Based on Hebbian/Anti-Hebbian Learning Networks for Enhancing BCI Performance. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 348-361.	7.2	8
2	Utilizing Deep Learning Towards Multi-Modal Bio-Sensing and Vision-Based Affective Computing. IEEE Transactions on Affective Computing, 2022, 13, 96-107.	5.7	112
3	Alpha Correlates of Practice During Mental Preparation for Motor Imagery. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 146-155.	2.6	2
4	Online Adaptation Boosts SSVEP-Based BCI Performance. IEEE Transactions on Biomedical Engineering, 2022, 69, 2018-2028.	2.5	16
5	Recognizing Tonal and Nontonal Mandarin Sentences for EEG-Based Brain-Computer Interface. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 1666-1677.	2.6	2
6	Unsupervised learning of brain state dynamics during emotion imagination using high-density EEG. NeuroImage, 2022, 249, 118873.	2.1	11
7	Dynamic Brain Responses Modulated by Precise Timing Prediction in an Opposing Process. Neuroscience Bulletin, 2021, 37, 70-80.	1.5	5
8	Low-Dimensional Subject Representation-Based Transfer Learning in EEG Decoding. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1915-1925.	3.9	16
9	Tiny noise, big mistakes: adversarial perturbations induce errors in brain-computer interface spellers. National Science Review, 2021, 8, nwaa233.	4.6	37
10	Retrosplenial Segregation Reflects the Navigation Load During Ambulatory Movement. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 488-496.	2.7	3
11	Physiological Correlates of Time Stress During Game Play. Communications in Computer and Information Science, 2021, , 119-126.	0.4	0
12	Boosting template-based SSVEP decoding by cross-domain transfer learning. Journal of Neural Engineering, 2021, 18, 016002.	1.8	30
13	SSVEP-assisted RSVP brain-computer interface paradigm for multi-target classification. Journal of Neural Engineering, 2021, 18, 016021.	1.8	10
14	Review of brain encoding and decoding mechanisms for EEG-based brain-computer interface. Cognitive Neurodynamics, 2021, 15, 569-584.	2.3	41
15	Transferring Subject-Specific Knowledge Across Stimulus Frequencies in SSVEP-Based BCIs. IEEE Transactions on Automation Science and Engineering, 2021, 18, 552-563.	3.4	24
16	A Comparison Study of Single- and Multiple-Target Stimulation Methods for Eliciting Steady-State Visual Evoked Potentials. , 2021, , .		0
17	Enhancement for P300-speller classification using multi-window discriminative canonical pattern matching. Journal of Neural Engineering, 2021, 18, 046079.	1.8	16
18	Detection of fixation points using a small visual landmark for brain-computer interfaces. Journal of Neural Engineering, 2021, 18, 046098.	1.8	4

#	ARTICLE	IF	CITATIONS
19	Enhancing transfer performance across datasets for brain-computer interfaces using a combination of alignment strategies and adaptive batch normalization. <i>Journal of Neural Engineering</i> , 2021, 18, 0460e5.	1.8	17
20	The Current Research of Combining Multi-Modal Brain-Computer Interfaces With Virtual Reality. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 3278-3287.	3.9	17
21	EEG-Based Brain-Computer Interfaces (BCIs): A Survey of Recent Studies on Signal Sensing Technologies and Computational Intelligence Approaches and Their Applications. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2021, 18, 1645-1666.	1.9	144
22	Learning Common Time-Frequency-Spatial Patterns for Motor Imagery Classification. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 699-707.	2.7	66
23	Comparing the Differences in Brain Activities and Neural Comodulations Associated With Motion Sickness Between Drivers and Passengers. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 1259-1267.	2.7	6
24	Near-zero phase-lag hyperscanning in a novel wireless EEG system. <i>Journal of Neural Engineering</i> , 2021, 18, 066010.	1.8	2
25	Mindfulness Training Associated With Resting-State Electroencephalograms Dynamics in Novice Practitioners via Mindful Breathing and Body-Scan. <i>Frontiers in Psychology</i> , 2021, 12, 748584.	1.1	9
26	Classification of Left-Versus Right-Hand Motor Imagery in Stroke Patients Using Supplementary Data Generated by CycleGAN. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2021, 29, 2417-2424.	2.7	12
27	Current Challenges for the Practical Application of Electroencephalography-Based Brain-Computer Interfaces. <i>Engineering</i> , 2021, 7, 1710-1712.	3.2	58
28	Editorial: Inter- and Intra-subject Variability in Brain Imaging and Decoding. <i>Frontiers in Computational Neuroscience</i> , 2021, 15, 791129.	1.2	8
29	Improving Transfer Performance of Deep Learning with Adaptive Batch Normalization for Brain-computer Interfaces. , 2021, 2021, 5800-5803.		2
30	A Computation-Aware TPL Utilization Procedure for Parallelizing the FastICA Algorithm on a Multi-Core CPU. , 2021, , .		0
31	Resting-State EEG Signal for Major Depressive Disorder Detection: A Systematic Validation on a Large and Diverse Dataset. <i>Biosensors</i> , 2021, 11, 499.	2.3	34
32	Hardware-Oriented Memory-Limited Online Artifact Subspace Reconstruction (HMO-ASR) Algorithm. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021, 68, 3493-3497.	2.2	3
33	Facilitating Calibration in High-Speed BCI Spellers via Leveraging Cross-Device Shared Latent Responses. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1105-1113.	2.5	32
34	Evaluation of Artifact Subspace Reconstruction for Automatic Artifact Components Removal in Multi-Channel EEG Recordings. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1114-1121.	2.5	282
35	Discriminative Canonical Pattern Matching for Single-Trial Classification of ERP Components. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 2266-2275.	2.5	77
36	A brain-computer interface based on high-frequency steady-state asymmetric visual evoked potentials. , 2020, 2020, 3090-3093.		8

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37	Human Brain Dynamics Reflect the Correctness and Presentation Modality of Physics Concept Memory Retrieval. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 331.	1.0	2
38	Using SSVEP-BCI to Continuous Control a Quadcopter with 4-DOF Motions. , 2020, 2020, 4745-4748.		4
39	Modeling EEG Data Distribution With a Wasserstein Generative Adversarial Network to Predict RSVP Events. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 1720-1730.	2.7	30
40	Dynamic Reorganization of Functional Connectivity Unmasks Fatigue Related Performance Declines in Simulated Driving. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 1790-1799.	2.7	26
41	A Brain-Computer Interface Based on Multifocal SSVEPs Detected by Inter-Task-Related Component Analysis. <i>IEEE Access</i> , 2020, 8, 138539-138550.	2.6	7
42	Enhancing performance of SSVEP-based BCI by unsupervised learning information from test trials*. , 2020, 2020, 3359-3362.		2
43	“Write”™ but not “spell”™ Chinese characters with a BCI-controlled robot*. , 2020, 2020, 4741-4744.		5
44	Statistically Optimized Spatial Filtering in Decoding Steady-State Visual Evoked Potentials Based on Task-Related Component Analysis. , 2020, 2020, 3070-3073.		1
45	Inter- and Intra-Subject Transfer Reduces Calibration Effort for High-Speed SSVEP-Based BCIs. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 2123-2135.	2.7	45
46	The EEG Signal Analysis for Spatial Cognitive Ability Evaluation Based on Multivariate Permutation Conditional Mutual Information-Multi-Spectral Image. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 2113-2122.	2.7	9
47	BCI-Based Rehabilitation on the Stroke in Sequela Stage. <i>Neural Plasticity</i> , 2020, 2020, 1-10.	1.0	41
48	Eyeblink recognition improves fatigue prediction from single-channel forehead EEG in a realistic sustained attention task. <i>Journal of Neural Engineering</i> , 2020, 17, 036015.	1.8	36
49	Implementing Over 100 Command Codes for a High-Speed Hybrid Brain-Computer Interface Using Concurrent P300 and SSVEP Features. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 3073-3082.	2.5	104
50	Stress-Induced Effects in Resting EEG Spectra Predict the Performance of SSVEP-Based BCI. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 1771-1780.	2.7	24
51	Questionable Classification Accuracy Reported in “Designing a Sum of Squared Correlations Framework for Enhancing SSVEP-Based BCIs” <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 1042-1043.	2.7	4
52	Common Cross-Spectral Patterns of Electroencephalography for Reliable Cognitive Task Identification. <i>IEEE Access</i> , 2020, 8, 17652-17662.	2.6	2
53	Associations Among Emotional State, Sleep Quality, and Resting-State EEG Spectra: A Longitudinal Study in Graduate Students. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 795-804.	2.7	11
54	Developing a Novel Tactile P300 Brain-Computer Interface With a Cheeks-Stim Paradigm. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 2585-2593.	2.5	78

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55	Evaluation of Low-end Virtual Reality Content of Cultural Heritage. , 2020, , .		3
56	Examining the Relationship between EEG Dynamics and Emotion Ratings during Video Watching using Adaptive Mixture Independent Component Analysis. , 2020, , .		1
57	Cross-Subject Transfer Learning Improves the Practicality of Real-World Applications of Brain-Computer Interfaces. , 2019, , .		25
58	A comparison of classification methods for recognizing single-trial P300 in brain-computer interfaces. , 2019, 2019, 3032-3035.		4
59	EEG-Based User Authentication Using a Convolutional Neural Network. , 2019, , .		18
60	Hardware-oriented Memory-limited Online Fastica Algorithm and Hardware Architecture for Signal Separation. , 2019, , .		9
61	Eye fixation-related fronto-parietal neural network correlates of memory retrieval. International Journal of Psychophysiology, 2019, 138, 57-70.	0.5	1
62	Effects of stimulus position on the classification of miniature asymmetric VEPs for brain-computer interfaces. , 2019, 2019, 5956-5959.		1
63	Impact of Affective Multimedia Content on the Electroencephalogram and Facial Expressions. Scientific Reports, 2019, 9, 16295.	1.6	14
64	Target Classification in a Novel SSVEP-RSVP Based BCI Gaming System. , 2019, , .		5
65	A Wearable Multi-Modal Bio-Sensing System Towards Real-World Applications. IEEE Transactions on Biomedical Engineering, 2019, 66, 1137-1147.	2.5	29
66	Electroencephalographic and peripheral temperature dynamics during a prolonged psychomotor vigilance task. Accident Analysis and Prevention, 2019, 126, 198-208.	3.0	15
67	White-Box Target Attack for EEG-Based BCI Regression Problems. Lecture Notes in Computer Science, 2019, , 476-488.	1.0	26
68	A Brain-Computer Interface Based on Miniature-Event-Related Potentials Induced by Very Small Lateral Visual Stimuli. IEEE Transactions on Biomedical Engineering, 2018, 65, 1166-1175.	2.5	170
69	Toward Drowsiness Detection Using Non-hair-Bearing EEG-Based Brain-Computer Interfaces. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 400-406.	2.7	113
70	A subject-transfer framework for obviating inter- and intra-subject variability in EEG-based drowsiness detection. NeuroImage, 2018, 174, 407-419.	2.1	76
71	Enhancing Detection of SSVEPs for a High-Speed Brain Speller Using Task-Related Component Analysis. IEEE Transactions on Biomedical Engineering, 2018, 65, 104-112.	2.5	493
72	Spatial Filtering for EEG-Based Regression Problems in Brain-Computer Interface (BCI). IEEE Transactions on Fuzzy Systems, 2018, 26, 771-781.	6.5	85

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73	Neural Oscillation Correlates Chemistry Decision-Making. International Journal of Neural Systems, 2018, 28, 1750031.	3.2	5
74	Exploring Mental State Changes during Hypnotherapy using Adaptive Mixture Independent Component Analysis of EEG. , 2018, , .		3
75	Exploring Human Variability in Steady-State Visual Evoked Potentials. , 2018, , .		8
76	Optimizing Phase Intervals for Phase-Coded SSVEP-Based BCIs With Template-Based Algorithm. , 2018, , .		0
77	Evaluating the Performance of Non-Hair SSVEP-Based BCIs Featuring Template-Based Decoding Methods. , 2018, 2018, 1972-1975.		2
78	Evaluation of Artifact Subspace Reconstruction for Automatic EEG Artifact Removal. , 2018, 2018, 1242-1245.		189
79	Online Automatic Artifact Rejection using the Real-time EEG Source-mapping Toolbox (REST). , 2018, 2018, 106-109.		29
80	Transferring Shared Responses Across Electrode Montages for Facilitating Calibration in High-Speed Brain Spellers. , 2018, 2018, 89-92.		3
81	Multi-modal Approach for Affective Computing. , 2018, 2018, 291-294.		25
82	Brain Network Changes in Fatigued Drivers: A Longitudinal Study in a Real-World Environment Based on the Effective Connectivity Analysis and Actigraphy Data. Frontiers in Human Neuroscience, 2018, 12, 418.	1.0	19
83	Invited Paper: Intelligent Virtual Reality Head-Mounted Displays with Brain Monitoring and Visual Function Assessment. Digest of Technical Papers SID International Symposium, 2018, 49, 475-478.	0.1	3
84	Modeling brain dynamic state changes with adaptive mixture independent component analysis. NeuroImage, 2018, 183, 47-61.	2.1	63
85	The Study of Evaluation and Rehabilitation of Patients With Different Cognitive Impairment Phases Based on Virtual Reality and EEG. Frontiers in Aging Neuroscience, 2018, 10, 88.	1.7	20
86	Theta and Alpha Oscillations in Attentional Interaction during Distracted Driving. Frontiers in Behavioral Neuroscience, 2018, 12, 3.	1.0	42
87	An Online Brain-Computer Interface Based on SSVEPs Measured From Non-Hair-Bearing Areas. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 14-21.	2.7	55
88	Two Independent Frontal Midline Theta Oscillations during Conflict Detection and Adaptation in a Simon-Type Manual Reaching Task. Journal of Neuroscience, 2017, 37, 2504-2515.	1.7	83
89	Detecting Glaucoma With a Portable Brain-Computer Interface for Objective Assessment of Visual Function Loss. JAMA Ophthalmology, 2017, 135, 550.	1.4	78
90	EEG-Based User Reaction Time Estimation Using Riemannian Geometry Features. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 2157-2168.	2.7	46

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91	Monitoring alert and drowsy states by modeling EEG source nonstationarity. Journal of Neural Engineering, 2017, 14, 056012.	1.8	19
92	Polychromatic SSVEP stimuli with subtle flickering adapted to brain-display interactions. Journal of Neural Engineering, 2017, 14, 016018.	1.8	36
93	Editorial Message: Special Issue on Fuzzy Brain-Computer Interface Systems. International Journal of Fuzzy Systems, 2017, 19, 528-528.	2.3	0
94	Towards Serious Games for Improved BCI. , 2017, , 197-224.		6
95	Independent component analysis-based spatial filtering improves template-based SSVEP detection. , 2017, 2017, 3620-3623.		5
96	Does frequency resolution affect the classification performance of steady-state visual evoked potentials?. , 2017, , .		4
97	Sustained Attention in Real Classroom Settings: An EEG Study. Frontiers in Human Neuroscience, 2017, 11, 388.	1.0	131
98	Fall Prediction and Prevention Systems: Recent Trends, Challenges, and Future Research Directions. Sensors, 2017, 17, 2509.	2.1	107
99	Improving EEG-Based Emotion Classification Using Conditional Transfer Learning. Frontiers in Human Neuroscience, 2017, 11, 334.	1.0	117
100	An Affordable Bio-Sensing and Activity Tagging Platform for HCI Research. Lecture Notes in Computer Science, 2017, , 399-409.	1.0	1
101	Augmenting VR/AR Applications with EEG/EOG Monitoring and Oculo-Vestibular Recoupling. Lecture Notes in Computer Science, 2016, , 121-131.	1.0	11
102	Predicting EEG Sample Size Required for Classification Calibration. Lecture Notes in Computer Science, 2016, , 57-68.	1.0	4
103	Exploring the EEG Correlates of Neurocognitive Lapse with Robust Principal Component Analysis. Lecture Notes in Computer Science, 2016, , 113-120.	1.0	3
104	Session-to-Session Transfer in Detecting Steady-State Visual Evoked Potentials with Individual Training Data. Lecture Notes in Computer Science, 2016, , 253-260.	1.0	18
105	Pervasive Neuroimaging with Fog Computing and Linked Data. , 2016, , .		1
106	Decoding EEG in Cognitive Tasks With Time-Frequency and Connectivity Masks. IEEE Transactions on Cognitive and Developmental Systems, 2016, 8, 298-308.	2.6	31
107	Mind-Wandering Tends to Occur under Low Perceptual Demands during Driving. Scientific Reports, 2016, 6, 21353.	1.6	37
108	Transfer learning with large-scale data in brain-computer interfaces. , 2016, 2016, 4666-4669.		5

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109	An EEG-Based Fatigue Detection and Mitigation System. International Journal of Neural Systems, 2016, 26, 1650018.	3.2	61
110	Fast detection of covert visuospatial attention using hybrid N2pc and SSVEP features. Journal of Neural Engineering, 2016, 13, 066003.	1.8	17
111	EEG-based prediction of driver's cognitive performance by deep convolutional neural network. Signal Processing: Image Communication, 2016, 47, 549-555.	1.8	164
112	Real-Time Adaptive EEG Source Separation Using Online Recursive Independent Component Analysis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2016, 24, 309-319.	2.7	76
113	Modeling and Tracking Brain Nonstationarity in a Sustained Attention Task. Lecture Notes in Computer Science, 2016, , 209-217.	1.0	2
114	Detecting glaucomatous change in visual fields: Analysis with an optimization framework. Journal of Biomedical Informatics, 2015, 58, 96-103.	2.5	18
115	Developing an online steady-state visual evoked potential-based brain-computer interface system using EarEEG. , 2015, 2015, 2271-4.		11
116	Toward non-hair-bearing brain-computer interfaces for neurocognitive lapse detection. , 2015, 2015, 6638-41.		2
117	A dynamic stopping method for improving performance of steady-state visual evoked potential based brain-computer interfaces. , 2015, 2015, 1057-60.		10
118	11.1: <i>Invited Paper</i>: Brain-Display Interaction and Its Biomedical Application Using Steady-State Visual Evoked Potentials. Digest of Technical Papers SID International Symposium, 2015, 46, 122-125.	0.1	1
119	A Comparison Study of Canonical Correlation Analysis Based Methods for Detecting Steady-State Visual Evoked Potentials. PLoS ONE, 2015, 10, e0140703.	1.1	241
120	Explore the Functional Connectivity between Brain Regions during a Chemistry Working Memory Task. PLoS ONE, 2015, 10, e0129019.	1.1	14
121	Monitoring and Analysis of Multiplicative Characteristic Variations for Adhesive Electrode by Using Self-Electrocardiogram Signals. , 2015, , .		2
122	Using robust principal component analysis to alleviate day-to-day variability in EEG based emotion classification. , 2015, 2015, 570-3.		9
123	Real-time EEG Source-mapping Toolbox (REST): Online ICA and source localization. , 2015, 2015, 4114-7.		18
124	Feature extraction with deep belief networks for driver's cognitive states prediction from EEG data. , 2015, , .		27
125	Selective Transfer Learning for EEG-Based Drowsiness Detection. , 2015, , .		33
126	Estimating direction and depth of visual fixation using electrooculography. , 2015, 2015, 841-4.		5

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127	Neural Correlates of Mathematical Problem Solving. International Journal of Neural Systems, 2015, 25, 1550004.	3.2	11
128	Filter bank canonical correlation analysis for implementing a high-speed SSVEP-based brain-computer interface. Journal of Neural Engineering, 2015, 12, 046008.	1.8	481
129	EEG-Based Attention Tracking During Distracted Driving. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2015, 23, 1085-1094.	2.7	105
130	Real-time neuroimaging and cognitive monitoring using wearable dry EEG. IEEE Transactions on Biomedical Engineering, 2015, 62, 2553-2567.	2.5	536
131	Validating online recursive independent component analysis on EEG data. , 2015, , .		3
132	High-speed spelling with a noninvasive brain-computer interface. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E6058-67.	3.3	671
133	Tracking non-stationary EEG sources using adaptive online recursive independent component analysis. , 2015, 2015, 4106-9.		5
134	Grand average ERP-image plotting and statistics: A method for comparing variability in event-related single-trial EEG activities across subjects and conditions. Journal of Neuroscience Methods, 2015, 250, 3-6.	1.3	46
135	The Wearable Multimodal Monitoring System: A Platform to Study Falls and Near-Falls in the Real-World. Lecture Notes in Computer Science, 2015, , 412-422.	1.0	5
136	Towards Serious Games for Improved BCI. , 2015, , 1-28.		9
137	Assessing the quality of steady-state visual-evoked potentials for moving humans using a mobile electroencephalogram headset. Frontiers in Human Neuroscience, 2014, 8, 182.	1.0	35
138	Pervasive brain monitoring and data sharing based on multi-tier distributed computing and linked data technology. Frontiers in Human Neuroscience, 2014, 8, 370.	1.0	46
139	Toward a new cognitive neuroscience: modeling natural brain dynamics. Frontiers in Human Neuroscience, 2014, 8, 444.	1.0	61
140	Fusion of electroencephalographic dynamics and musical contents for estimating emotional responses in music listening. Frontiers in Neuroscience, 2014, 8, 94.	1.4	77
141	Developing an EEG-based on-line closed-loop lapse detection and mitigation system. Frontiers in Neuroscience, 2014, 8, 321.	1.4	31
142	A HIGH-SPEED BRAIN SPELLER USING STEADY-STATE VISUAL EVOKED POTENTIALS. International Journal of Neural Systems, 2014, 24, 1450019.	3.2	287
143	Exploring day-to-day variability in EEG-based emotion classification. , 2014, , .		10
144	Hybrid frequency and phase coding for a high-speed SSVEP-based BCI speller. , 2014, 2014, 3993-6.		43

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145	Resting state and task-related brain dynamics supporting insight. , 2014, 2014, 5454-7.		0
146	Online recursive independent component analysis for real-time source separation of high-density EEG. , 2014, 2014, 3845-8.		14
147	Enhancing detection of steady-state visual evoked potentials using individual training data. , 2014, 2014, 3037-40.		30
148	An efficient ASIC implementation of 16-channel on-line recursive ICA processor for real-time EEG system. , 2014, 2014, 3849-52.		0
149	Enhancing unsupervised canonical correlation analysis-based frequency detection of SSVEPs by incorporating background EEG. , 2014, 2014, 3053-6.		13
150	Kinesthesia in a sustained-attention driving task. NeuroImage, 2014, 91, 187-202.	2.1	57
151	Eye movements predict students' computer-based assessment performance of physics concepts in different presentation modalities. Computers and Education, 2014, 74, 61-72.	5.1	47
152	Closed-Loop Brainâ€“Machineâ€“Body Interfaces for Noninvasive Rehabilitation of Movement Disorders. Annals of Biomedical Engineering, 2014, 42, 1573-1593.	1.3	47
153	Independent Component Ensemble of EEG for Brainâ€“Computer Interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2014, 22, 230-238.	2.7	55
154	Spatiotemporal Sparse Bayesian Learning With Applications to Compressed Sensing of Multichannel Physiological Signals. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2014, 22, 1186-1197.	2.7	86
155	Assessing the feasibility of online SSVEP decoding in human walking using a consumer EEG headset. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 119.	2.4	44
156	Glaucoma Progression Detection Using Structural Retinal Nerve Fiber Layer Measurements and Functional Visual Field Points. IEEE Transactions on Biomedical Engineering, 2014, 61, 1143-1154.	2.5	84
157	Revealing spatio-spectral electroencephalographic dynamics of musical mode and tempo perception by independent component analysis. Journal of NeuroEngineering and Rehabilitation, 2014, 11, 18.	2.4	24
158	Cortical surface alignment in multi-subject spatiotemporal independent EEG source imaging. NeuroImage, 2014, 87, 297-310.	2.1	22
159	Temporal Dynamics and Cortical Networks Engaged in Biological Concepts Encoding. Journal of Neuroscience and Neuroengineering, 2014, 3, 21-35.	0.2	4
160	Generating Visual Flickers for Eliciting Robust Steady-State Visual Evoked Potentials at Flexible Frequencies Using Monitor Refresh Rate. PLoS ONE, 2014, 9, e99235.	1.1	81
161	Online Voluntary Eye Blink Detection using Electrooculogram. IEICE Proceeding Series, 2014, 1, 114-117.	0.0	14
162	Imperceptible Polychromatic Visual Stimuli for Brain-Display Interfaces. , 2014, , .		0

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163	Brain oscillation and connectivity during a chemistry visual working memory task. <i>International Journal of Psychophysiology</i> , 2013, 90, 172-179.	0.5	27
164	Study of visual stimulus waveforms via forced van der Pol oscillator model for SSVEP-based brain-computer interfaces. , 2013, , .		0
165	Discovering optimal brain states for problem solving with EEG. , 2013, , .		0
166	Integrating interference frequency components elicited by monitor refresh rate to enhance frequency detection of SSVEPs. , 2013, , .		3
167	Real-time modeling and 3D visualization of source dynamics and connectivity using wearable EEG. , 2013, 2013, 2184-7.		253
168	Compressed Sensing for Energy-Efficient Wireless Telemonitoring of Noninvasive Fetal ECG Via Block Sparse Bayesian Learning. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 300-309.	2.5	266
169	Compressed Sensing of EEG for Wireless Telemonitoring With Low Energy Consumption and Inexpensive Hardware. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 221-224.	2.5	215
170	Compressed sensing for energy-efficient wireless telemonitoring: Challenges and opportunities. , 2013, , .		9
171	An efficient VLSI implementation of on-line recursive ICA processor for real-time multi-channel EEG signal separation. , 2013, 2013, 6808-11.		5
172	Real-World Neuroimaging Technologies. <i>IEEE Access</i> , 2013, 1, 131-149.	2.6	82
173	A Practical Mobile Dry EEG System for Human Computer Interfaces. <i>Lecture Notes in Computer Science</i> , 2013, , 649-655.	1.0	35
174	Tonic EEG dynamics during psychomotor vigilance task. , 2013, , .		5
175	A mobile SSVEP-based brain-computer interface for freely moving humans: The robustness of canonical correlation analysis to motion artifacts. , 2013, 2013, 1350-3.		12
176	Automatic design for independent component analysis based brain-computer interfacing. , 2013, 2013, 2180-3.		6
177	Detection of steady-state visual-evoked potential using differential canonical correlation analysis. , 2013, , .		15
178	Developing stimulus presentation on mobile devices for a truly portable SSVEP-based BCI. , 2013, 2013, 5271-4.		11
179	An approximation approach for rendering visual flickers in SSVEP-based BCI using monitor refresh rate. , 2013, 2013, 2176-9.		9
180	Habituation of steady-state visual evoked potentials in response to high-frequency polychromatic foveal visual stimulation. , 2013, 2013, 803-6.		2

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181	14.4: Polychromatic High-Frequency Steady-State Visual Evoked Potentials for Brain-Display Interaction. Digest of Technical Papers SID International Symposium, 2013, 44, 146-149.	0.1	3
182	Empirical mode decomposition improves detection of SSVEP. , 2013, 2013, 3901-4.		6
183	Can arousing feedback rectify lapses in driving? Prediction from EEG power spectra. Journal of Neural Engineering, 2013, 10, 056024.	1.8	33
184	Guest Editorial"Special Issue on Selected Papers From BioCAS 2012. IEEE Transactions on Biomedical Circuits and Systems, 2013, 7, 561-562.	2.7	0
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