

Huan Chen

List of Publications by Year in descending order

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155
papers

7,204
citations

101543

36
h-index

64796

79
g-index

156
all docs

156
docs citations

156
times ranked

4390
citing authors

#	ARTICLE	IF	CITATIONS
1	EEG-Based Emotion Recognition via Channel-Wise Attention and Self Attention. IEEE Transactions on Affective Computing, 2023, 14, 382-393.	8.3	168
2	EEG-Based Emotion Recognition via Neural Architecture Search. IEEE Transactions on Affective Computing, 2023, 14, 957-968.	8.3	18
3	Hyperspectral Anomaly Detection With Tensor Average Rank and Piecewise Smoothness Constraints. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8679-8692.	11.3	12
4	Decoding muscle force from individual motor unit activities using a twitch force model and hybrid neural networks. Biomedical Signal Processing and Control, 2022, 72, 103297.	5.7	9
5	Superpixel-Based Noise-Robust Sparse Unmixing of Hyperspectral Image. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	0
6	Improving the Tracking Accuracy of TDMA-Based Acoustic Indoor Positioning Systems Using a Novel Error Correction Method. IEEE Sensors Journal, 2022, 22, 5427-5436.	4.7	2
7	Unknown Motion Rejection in Myoelectric Pattern Recognition Using Convolutional Prototype Network. IEEE Sensors Journal, 2022, 22, 4305-4314.	4.7	2
8	Semisupervised Seizure Prediction in Scalp EEG Using Consistency Regularization. Journal of Healthcare Engineering, 2022, 2022, 1-10.	1.9	8
9	Spatial-Spectral Nonlinear Hyperspectral Unmixing Under Complex Noise. IEEE Sensors Journal, 2022, 22, 4338-4346.	4.7	2
10	Learning-based inversion method for solving electromagnetic inverse scattering with mixed boundary conditions. IEEE Transactions on Antennas and Propagation, 2022, , 1-1.	5.1	6
11	Pediatric Seizure Prediction in Scalp EEG Using a Multi-Scale Neural Network With Dilated Convolutions. IEEE Journal of Translational Engineering in Health and Medicine, 2022, 10, 1-9.	3.7	27
12	A novel SSA-CCA framework for muscle artifact removal from ambulatory EEG. Virtual Reality & Intelligent Hardware, 2022, 4, 1-21.	3.2	3
13	Rejecting Novel Motions in High-Density Myoelectric Pattern Recognition Using Hybrid Neural Networks. Frontiers in Neurorobotics, 2022, 16, 862193.	2.8	1
14	Multi-channel EEG-based emotion recognition in the presence of noisy labels. Science China Information Sciences, 2022, 65, 1.	4.3	6
15	Self-Powered Gesture Recognition Wristband Enabled by Machine Learning for Full Keyboard and Multicommand Input. Advanced Materials, 2022, 34, e2200793.	21.0	81
16	Toward Open-World Electroencephalogram Decoding Via Deep Learning: A comprehensive survey. IEEE Signal Processing Magazine, 2022, 39, 117-134.	5.6	37
17	Decoding finger movement patterns from microscopic neural drive information based on deep learning. Medical Engineering and Physics, 2022, 104, 103797.	1.7	4
18	Emotion recognition from EEG based on multi-task learning with capsule network and attention mechanism. Computers in Biology and Medicine, 2022, 143, 105303.	7.0	48

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19	A novel consistency-based training strategy for seizure prediction. Journal of Neuroscience Methods, 2022, 372, 109557.	2.5	4
20	A Novel Myoelectric Control Scheme Supporting Synchronous Gesture Recognition and Muscle Force Estimation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1127-1137.	4.9	11
21	Image Fusion with Sparse Representation: A Novel Local Contrast-Based Preprocessing Strategy. , 2022, 6, 1-4.		4
22	CGTF: Convolution-Guided Transformer for Infrared and Visible Image Fusion. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	4.7	21
23	Patient-Specific Seizure Prediction via Adder Network and Supervised Contrastive Learning. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2022, 30, 1536-1547.	4.9	26
24	Multimodal MRI Volumetric Data Fusion With Convolutional Neural Networks. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	4.7	13
25	Multi-focus image fusion with deep residual learning and focus property detection. Information Fusion, 2022, 86-87, 1-16.	19.1	17
26	Emotion Recognition From Multi-Channel EEG via Deep Forest. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 453-464.	6.3	123
27	Hand Gesture Recognition based on Surface Electromyography using Convolutional Neural Network with Transfer Learning Method. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1292-1304.	6.3	89
28	Deep Learning-Based Inverse Scattering With Structural Similarity Loss Functions. IEEE Sensors Journal, 2021, 21, 4900-4907.	4.7	30
29	Remote Heart Rate Measurement From Near-Infrared Videos Based on Joint Blind Source Separation With Delay-Coordinate Transformation. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	4.7	6
30	Adaptive Electrode Calibration Method Based on Muscle Core Activation Regions and Its Application in Myoelectric Pattern Recognition. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 11-20.	4.9	16
31	A State-Dependent IVA Model for Muscle Artifacts Removal From EEG Recordings. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	4.7	8
32	Hip Landmark Detection With Dependency Mining in Ultrasound Image. IEEE Transactions on Medical Imaging, 2021, 40, 3762-3774.	8.9	13
33	A convolutional sparsity regularization for solving inverse scattering problems. IEEE Antennas and Wireless Propagation Letters, 2021, , 1-1.	4.0	2
34	Motion Robust Imaging Ballistocardiography Through a Two-Step Canonical Correlation Analysis. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	3
35	Green Fluorescent Protein and Phase Contrast Image Fusion Via Detail Preserving Cross Network. IEEE Transactions on Computational Imaging, 2021, 7, 584-597.	4.4	17
36	Different Input Resolutions and Arbitrary Output Resolution: A Meta Learning-Based Deep Framework for Infrared and Visible Image Fusion. IEEE Transactions on Image Processing, 2021, 30, 4070-4083.	9.8	48

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37	Electromagnetic Inverse Scattering With Perceptual Generative Adversarial Networks. IEEE Transactions on Computational Imaging, 2021, 7, 689-699.	4.4	17
38	Multiuser gesture recognition using sEMG signals via canonical correlation analysis and optimal transport. Computers in Biology and Medicine, 2021, 130, 104188.	7.0	32
39	PulseGAN: Learning to Generate Realistic Pulse Waveforms in Remote Photoplethysmography. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1373-1384.	6.3	88
40	Interpatient ECG Heartbeat Classification with an Adversarial Convolutional Neural Network. Journal of Healthcare Engineering, 2021, 2021, 1-11.	1.9	11
41	Galvanic Vestibular Stimulation Improves Subnetwork Interactions in Parkinson's Disease. Journal of Healthcare Engineering, 2021, 2021, 1-11.	1.9	5
42	Remote Photoplethysmography With an EEMD-MCCA Method Robust Against Spatially Uneven Illuminations. IEEE Sensors Journal, 2021, 21, 13484-13494.	4.7	24
43	Galvanic Vestibular Stimulation: Data Analysis and Applications in Neurorehabilitation. IEEE Signal Processing Magazine, 2021, 38, 54-64.	5.6	3
44	Comparative Study of Gesture Recognition Based on Accelerometer and Photoplethysmography Sensor for Gesture Interactions in Wearable Devices. IEEE Sensors Journal, 2021, 21, 17107-17117.	4.7	16
45	Striatal Subdivisions Estimated via Deep Embedded Clustering With Application to Parkinson's Disease. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3564-3575.	6.3	6
46	Metric learning for novel motion rejection in high-density myoelectric pattern recognition. Knowledge-Based Systems, 2021, 227, 107165.	7.1	12
47	fMRI-SI-STBF: An fMRI-informed Bayesian electromagnetic spatio-temporal extended source imaging. Neurocomputing, 2021, 462, 14-30.	5.9	2
48	Prediction of arterial blood pressure waveforms from photoplethysmogram signals via fully convolutional neural networks. Computers in Biology and Medicine, 2021, 138, 104877.	7.0	33
49	Performance Analysis of the Generalized Likelihood Ratio Test in General Phased Array Radar Configuration. IEEE Transactions on Signal Processing, 2021, 69, 4544-4555.	5.3	18
50	Muscle Artifact Removal Toward Mobile SSVEP-Based BCI: A Comparative Study. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	7
51	Interpreting Bottom-Up Decision-Making of CNNs via Hierarchical Inference. IEEE Transactions on Image Processing, 2021, 30, 6701-6714.	9.8	1
52	Multiscale Feature Interactive Network for Multifocus Image Fusion. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-16.	4.7	6
53	Decoding Muscle Force From Motor Unit Firings Using Encoder-Decoder Networks. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2021, 29, 2484-2495.	4.9	3
54	An Invertible Dynamic Graph Convolutional Network for Multi-Center ASD Classification. Frontiers in Neuroscience, 2021, 15, 828512.	2.8	4

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55	Removing Muscle Artifacts From EEG Data via Underdetermined Joint Blind Source Separation: A Simulation Study. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 187-191.	3.0	22
56	New Algorithm of Response Curve for Fitting HDR Image. International Journal of Pattern Recognition and Artificial Intelligence, 2020, 34, 2054001.	1.2	6
57	Zero-Shot Learning Based on Deep Weighted Attribute Prediction. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2948-2957.	9.3	9
58	Combined Weighted Method for TDOA-Based Localization. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1962-1971.	4.7	48
59	ReMAE: User-Friendly Toolbox for Removing Muscle Artifacts From EEG. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 2105-2119.	4.7	30
60	Sparse unmixing of hyperspectral data with bandwise model. Information Sciences, 2020, 512, 1424-1441.	6.9	15
61	Exploration of Chinese Sign Language Recognition Using Wearable Sensors Based on Deep Belief Net. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1310-1320.	6.3	38
62	A Novel Postprocessing Method for Robust Myoelectric Pattern-Recognition Control Through Movement Pattern Transition Detection. IEEE Transactions on Human-Machine Systems, 2020, 50, 32-41.	3.5	13
63	Adaptive Calibration of Electrode Array Shifts Enables Robust Myoelectric Control. IEEE Transactions on Biomedical Engineering, 2020, 67, 1-1.	4.2	24
64	New insights on super-high resolution for video-based heart rate estimation with a semi-blind source separation method. Computers in Biology and Medicine, 2020, 116, 103535.	7.0	52
65	Quantitative assessment of lower limbs gross motor function in children with cerebral palsy based on surface EMG and inertial sensors. Medical and Biological Engineering and Computing, 2020, 58, 101-116.	2.8	1
66	Chinese Sign Language Recognition Based on DTW-Distance-Mapping Features. Mathematical Problems in Engineering, 2020, 2020, 1-13.	1.1	4
67	EEG-based emotion recognition using an end-to-end regional-asymmetric convolutional neural network. Knowledge-Based Systems, 2020, 205, 106243.	7.1	133
68	Exploring the feasibility of seamless remote heart rate measurement using multiple synchronized cameras. Multimedia Tools and Applications, 2020, 79, 23023-23043.	3.9	1
69	Multi-channel EEG-based emotion recognition via a multi-level features guided capsule network. Computers in Biology and Medicine, 2020, 123, 103927.	7.0	119
70	Quantitative Assessment of Traumatic Upper-Limb Peripheral Nerve Injuries Using Surface Electromyography. Frontiers in Bioengineering and Biotechnology, 2020, 8, 795.	4.1	4
71	A practical PET/CT data visualization method with dual-threshold PET colorization and image fusion. Computers in Biology and Medicine, 2020, 126, 104050.	7.0	7
72	Improved High-Density Myoelectric Pattern Recognition Control Against Electrode Shift Using Data Augmentation and Dilated Convolutional Neural Network. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2637-2646.	4.9	35

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73	Muscle Force Estimation Based on Neural Drive Information From Individual Motor Units. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 3148-3157.	4.9	17
74	Spatial filtering for enhanced high-density surface electromyographic examination of neuromuscular changes and its application to spinal cord injury. Journal of NeuroEngineering and Rehabilitation, 2020, 17, 160.	4.6	7
75	High-Density Surface EMG Denoising Using Independent Vector Analysis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1271-1281.	4.9	15
76	Upper Limb End-Effector Force Estimation During Multi-Muscle Isometric Contraction Tasks Using HD-sEMG and Deep Belief Network. Frontiers in Neuroscience, 2020, 14, 450.	2.8	3
77	A phase congruency-based green fluorescent protein and phase contrast image fusion method in nonsubsampling shearlet transform domain. Microscopy Research and Technique, 2020, 83, 1225-1234.	2.2	9
78	ECG-based multi-class arrhythmia detection using spatio-temporal attention-based convolutional recurrent neural network. Artificial Intelligence in Medicine, 2020, 106, 101856.	6.5	99
79	Model-Based Sensitivity Analysis of EMG Clustering Index With Respect to Motor Unit Properties: Investigating Post-Stroke FDI Muscle. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1836-1845.	4.9	5
80	Effective Audio Signal Arrival Time Detection Algorithm for Realization of Robust Acoustic Indoor Positioning. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7341-7352.	4.7	23
81	Heart Rate Estimation From Facial Videos Using a Spatiotemporal Representation With Convolutional Neural Networks. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7411-7421.	4.7	86
82	Multi-focus image fusion: A Survey of the state of the art. Information Fusion, 2020, 64, 71-91.	19.1	175
83	Medical Image Fusion With Parameter-Adaptive Pulse Coupled Neural Network in Nonsubsampling Shearlet Transform Domain. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 49-64.	4.7	382
84	Removal of High-Voltage Brain Stimulation Artifacts From Simultaneous EEG Recordings. IEEE Transactions on Biomedical Engineering, 2019, 66, 50-60.	4.2	26
85	Robust Multichannel EEG Compressed Sensing in the Presence of Mixed Noise. IEEE Sensors Journal, 2019, 19, 10574-10583.	4.7	18
86	Elbow-flexion force estimation during arm posture dynamically changing between pronation and supination. Journal of Neural Engineering, 2019, 16, 066005.	3.5	11
87	A Novel HD-sEMG Preprocessing Method Integrating Muscle Activation Heterogeneity Analysis and Kurtosis-Guided Filtering for High-Accuracy Joint Force Estimation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 1920-1930.	4.9	13
88	Medical Image Fusion via Convolutional Sparsity Based Morphological Component Analysis. IEEE Signal Processing Letters, 2019, 26, 485-489.	3.6	192
89	Acoustic Indoor Localization System Integrating TDMA+FDMA Transmission Scheme and Positioning Correction Technique. Sensors, 2019, 19, 2353.	3.8	30
90	Remove Diverse Artifacts Simultaneously From a Single-Channel EEG Based on SSA and ICA: A Semi-Simulated Study. IEEE Access, 2019, 7, 60276-60289.	4.2	30

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91	Removal of Muscle Artifacts From the EEG: A Review and Recommendations. IEEE Sensors Journal, 2019, 19, 5353-5368.	4.7	66
92	Gait synergetic neuromuscular control in children with cerebral palsy at different gross motor function classification system levels. Journal of Neurophysiology, 2019, 121, 1680-1691.	1.8	25
93	A multi-scale data fusion framework for bone age assessment with convolutional neural networks. Computers in Biology and Medicine, 2019, 108, 161-173.	7.0	30
94	Investigation on the Contributions of Different Muscles to the Generated Force based on HD-sEMG and DBN. , 2019, 2019, 2645-2648.		3
95	Visualized Evidences for Detecting Novelty in Myoelectric Pattern Recognition using 3D Convolutional Neural Networks. , 2019, 2019, 2641-2644.		3
96	Green Fluorescent Protein and Phase-Contrast Image Fusion via Generative Adversarial Networks. Computational and Mathematical Methods in Medicine, 2019, 2019, 1-11.	1.3	13
97	Removal of EMG Artifacts from Multichannel EEG Signals Using Combined Singular Spectrum Analysis and Canonical Correlation Analysis. Journal of Healthcare Engineering, 2019, 2019, 1-13.	1.9	22
98	A feasibility study of a video-based heart rate estimation method with convolutional neural networks. , 2019, , .		2
99	Video-Based Heart Rate Measurement: Recent Advances and Future Prospects. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3600-3615.	4.7	132
100	A Novel EEMD-CCA Approach to Removing Muscle Artifacts for Pervasive EEG. IEEE Sensors Journal, 2019, 19, 8420-8431.	4.7	54
101	Sparse Group Representation Model for Motor Imagery EEG Classification. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 631-641.	6.3	140
102	Human hands-and-knees crawling movement analysis based on time-varying synergy and synchronous synergy theories. Mathematical Biosciences and Engineering, 2019, 16, 2492-2513.	1.9	8
103	The Use of Multivariate EMD and CCA for Denoising Muscle Artifacts From Few-Channel EEG Recordings. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 359-370.	4.7	130
104	Infrared and visible image fusion with convolutional neural networks. International Journal of Wavelets, Multiresolution and Information Processing, 2018, 16, 1850018.	1.3	261
105	3D ultrasound imaging in frequency domain based on concepts of array beam and synthetic aperture. Ultrasonics, 2018, 84, 254-263.	3.9	3
106	Sector-scanning 3D ultrasound imaging in frequency domain with 1D array transducer. Ultrasonics, 2018, 84, 1-8.	3.9	0
107	Deep learning for pixel-level image fusion: Recent advances and future prospects. Information Fusion, 2018, 42, 158-173.	19.1	497
108	Hyperspectral Unmixing with Bandwise Generalized Bilinear Model. Remote Sensing, 2018, 10, 1600.	4.0	17

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109	Feasibility Study of Advanced Neural Networks Applied to sEMG-Based Force Estimation. <i>Sensors</i> , 2018, 18, 3226.	3.8	58
110	A Fatigue Involved Modification Framework for Force Estimation in Fatiguing Contraction. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 2153-2164.	4.9	6
111	Decreased subregional specificity of the putamen in Parkinson's Disease revealed by dynamic connectivity-derived parcellation. <i>NeuroImage: Clinical</i> , 2018, 20, 1163-1175.	2.7	20
112	Removal of muscle artefacts from few-channel EEG recordings based on multivariate empirical mode decomposition and independent vector analysis. <i>Electronics Letters</i> , 2018, 54, 866-868.	1.0	19
113	A SEMG-Force Estimation Framework Based on a Fast Orthogonal Search Method Coupled with Factorization Algorithms. <i>Sensors</i> , 2018, 18, 2238.	3.8	15
114	HD-sEMG-based research on activation heterogeneity of skeletal muscles and the joint force estimation during elbow flexion. <i>Journal of Neural Engineering</i> , 2018, 15, 056027.	3.5	23
115	Patch Based Collaborative Representation with Gabor Feature and Measurement Matrix for Face Recognition. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-13.	1.1	2
116	Position-independent gesture recognition using sEMG signals via canonical correlation analysis. <i>Computers in Biology and Medicine</i> , 2018, 103, 44-54.	7.0	34
117	Independent Vector Analysis Applied to Remove Muscle Artifacts in EEG Data. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017, 66, 1770-1779.	4.7	63
118	Underdetermined Joint Blind Source Separation of Multiple Datasets. <i>IEEE Access</i> , 2017, 5, 7474-7487.	4.2	20
119	Opacity specification based on visibility ratio and occlusion vector in direct volume rendering. <i>Biomedical Signal Processing and Control</i> , 2017, 34, 174-182.	5.7	0
120	Multi-focus image fusion with a deep convolutional neural network. <i>Information Fusion</i> , 2017, 36, 191-207.	19.1	854
121	Short-lag spatial coherence combined with eigenspace-based minimum variance beamformer for synthetic aperture ultrasound imaging. <i>Computers in Biology and Medicine</i> , 2017, 91, 267-276.	7.0	21
122	A medical image fusion method based on convolutional neural networks. , 2017, , .		187
123	Simultaneous ocular and muscle artifact removal from EEG data by exploiting diverse statistics. <i>Computers in Biology and Medicine</i> , 2017, 88, 1-10.	7.0	40
124	Illumination Variation-Resistant Video-Based Heart Rate Measurement Using Joint Blind Source Separation and Ensemble Empirical Mode Decomposition. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2017, 21, 1422-1433.	6.3	73
125	Video-based human heart rate measurement using joint blind source separation. <i>Biomedical Signal Processing and Control</i> , 2017, 31, 309-320.	5.7	58
126	Complex network analysis of brain functional connectivity under a multi-step cognitive task. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 466, 663-671.	2.6	14

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127	A novel few-channel strategy for removing muscle artifacts from multichannel EEG data. , 2017, , .		8
128	Underdetermined Joint Blind Source Separation for Two Datasets Based on Tensor Decomposition. IEEE Signal Processing Letters, 2016, 23, 673-677.	3.6	18
129	Joint Blind Source Separation for Neurophysiological Data Analysis: Multiset and multimodal methods. IEEE Signal Processing Magazine, 2016, 33, 86-107.	5.6	81
130	A Combined Static and Dynamic Model for Resting-State Brain Connectivity Networks. IEEE Journal on Selected Topics in Signal Processing, 2016, 10, 1172-1181.	10.8	6
131	Joint time invariant and time dependent brain connectivity network estimation. , 2016, , .		0
132	Image Fusion With Convolutional Sparse Representation. IEEE Signal Processing Letters, 2016, 23, 1882-1886.	3.6	634
133	Visualization of boundaries in volumetric data sets through a what material you pick is what boundary you see approach. Computer Methods and Programs in Biomedicine, 2016, 126, 76-88.	4.7	4
134	A Blind Source Separation Framework for Monitoring Heart Beat Rate Using Nanofiber-Based Strain Sensors. IEEE Sensors Journal, 2016, 16, 762-772.	4.7	18
135	Removing Muscle Artifacts From EEG Data: Multichannel or Single-Channel Techniques?. IEEE Sensors Journal, 2016, 16, 1986-1997.	4.7	97
136	Visualization of boundaries in CT volumetric data sets using dynamic $si0022.gif$ overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/oc	7.0	0
137	A Novel Phonology- and Radical-Coded Chinese Sign Language Recognition Framework Using Accelerometer and Surface Electromyography Sensors. Sensors, 2015, 15, 23303-23324.	3.8	44
138	A Sticky Weighted Regression Model for Time-Varying Resting-State Brain Connectivity Estimation. IEEE Transactions on Biomedical Engineering, 2015, 62, 501-510.	4.2	21
139	Classification of EEG Signals Using a Multiple Kernel Learning Support Vector Machine. Sensors, 2014, 14, 12784-12802.	3.8	104
140	Removal of Muscle Artifacts from Single-Channel EEG Based on Ensemble Empirical Mode Decomposition and Multiset Canonical Correlation Analysis. Journal of Applied Mathematics, 2014, 2014, 1-10.	0.9	47
141	A Preliminary Study of Muscular Artifact Cancellation in Single-Channel EEG. Sensors, 2014, 14, 18370-18389.	3.8	67
142	Performance of General STCs over Spatially Correlated MIMO Single-keyhole Channels. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	4
143	Time varying brain connectivity modeling using FMRI signals. , 2014, , .		0
144	A heart beat rate detection framework using multiple nanofiber sensor signals. , 2014, , .		2

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145	An EEMD-IVA Framework for Concurrent Multidimensional EEG and Unidimensional Kinematic Data Analysis. IEEE Transactions on Biomedical Engineering, 2014, 61, 2187-2198.	4.2	22
146	A Three-Step Multimodal Analysis Framework for Modeling Corticomuscular Activity With Application to Parkinson's Disease. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1232-1241.	6.3	18
147	Pattern recognition of number gestures based on a wireless surface EMG system. Biomedical Signal Processing and Control, 2013, 8, 184-192.	5.7	124
148	An IC-PLS Framework for Group Corticomuscular Coupling Analysis. IEEE Transactions on Biomedical Engineering, 2013, 60, 2022-2033.	4.2	19
149	A Joint Multimodal Group Analysis Framework for Modeling Corticomuscular Activity. IEEE Transactions on Multimedia, 2013, 15, 1049-1059.	7.2	14
150	Corticomuscular Activity Modeling by Combining Partial Least Squares and Canonical Correlation Analysis. Journal of Applied Mathematics, 2013, 2013, 1-11.	0.9	7
151	A P300-based BCI classification algorithm using median filtering and Bayesian feature extraction. , 2012, , .		0
152	A tridirectional method for corticomuscular coupling analysis in Parkinson's disease. , 2012, , .		1
153	On the performance of MIMO RFID backscattering channels. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	31
154	Design and Implementation of a Wearable, Wireless EEG Recording System. , 2011, , .		22
155	Reliable indoor location sensing technique using active RFID. , 2010, , .		3