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	Multi-focus image fusion with a deep convolutional neural network. Information Fusion, 2017, 36, 191-207.	19.1	854
2	Image Fusion With Convolutional Sparse Representation. IEEE Signal Processing Letters, 2016, 23, 1882-1886.	3.6	634
3	Deep learning for pixel-level image fusion: Recent advances and future prospects. Information Fusion, 2018, 42, 158-173.	19.1	497
4	Medical Image Fusion With Parameter-Adaptive Pulse Coupled Neural Network in Nonsubsampled Shearlet Transform Domain. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 49-64.	4.7	382
5	Infrared and visible image fusion with convolutional neural networks. International Journal of Wavelets, Multiresolution and Information Processing, 2018, 16, 1850018.	1.3	261
6	Medical Image Fusion via Convolutional Sparsity Based Morphological Component Analysis. IEEE Signal Processing Letters, 2019, 26, 485-489.	3.6	192
7	A medical image fusion method based on convolutional neural networks. , 2017, , .		187
8	Multi-focus image fusion: A Survey of the state of the art. Information Fusion, 2020, 64, 71-91.	19.1	175
9	EEG-Based Emotion Recognition via Channel-Wise Attention and Self Attention. IEEE Transactions on Affective Computing, 2023, 14, 382-393.	8.3	168
10	Sparse Group Representation Model for Motor Imagery EEG Classification. IEEE Journal of Biomedical and Health Informatics, 2019, 23, 631-641.	6.3	140
11	EEG-based emotion recognition using an end-to-end regional-asymmetric convolutional neural network. Knowledge-Based Systems, 2020, 205, 106243.	7.1	133
12	Video-Based Heart Rate Measurement: Recent Advances and Future Prospects. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3600-3615.	4.7	132
13	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
14	Pattern recognition of number gestures based on a wireless surface EMG system. Biomedical Signal Processing and Control, 2013, 8, 184-192.	5.7	124
15	Emotion Recognition From Multi-Channel EEG via Deep Forest. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 453-464.	6.3	123
16	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
17	Classification of EEG Signals Using a Multiple Kernel Learning Support Vector Machine. Sensors, 2014, 14, 12784-12802.	3.8	104
18	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

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19	Removing Muscle Artifacts From EEG Data: Multichannel or Single-Channel Techniques?. IEEE Sensors Journal, 2016, 16, 1986-1997.	4.7	97
20	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
21	PulseGAN: Learning to Generate Realistic Pulse Waveforms in Remote Photoplethysmography. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 1373-1384.	6.3	88
22	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
23	Joint Blind Source Separation for Neurophysiological Data Analysis: Multiset and multimodal methods. IEEE Signal Processing Magazine, 2016, 33, 86-107.	5.6	81
24	Selfâ€Powered Gesture Recognition Wristband Enabled by Machine Learning for Full Keyboard and Multicommand Input. Advanced Materials, 2022, 34, e2200793.	21.0	81
25	Illumination Variation-Resistant Video-Based Heart Rate Measurement Using Joint Blind Source Separation and Ensemble Empirical Mode Decomposition. IEEE Journal of Biomedical and Health Informatics, 2017, 21, 1422-1433.	6.3	73
26	A Preliminary Study of Muscular Artifact Cancellation in Single-Channel EEG. Sensors, 2014, 14, 18370-18389.	3.8	67
27	Removal of Muscle Artifacts From the EEG: A Review and Recommendations. IEEE Sensors Journal, 2019, 19, 5353-5368.	4.7	66
28	Independent Vector Analysis Applied to Remove Muscle Artifacts in EEG Data. IEEE Transactions on Instrumentation and Measurement, 2017, 66, 1770-1779.	4.7	63
29	Video-based human heart rate measurement using joint blind source separation. Biomedical Signal Processing and Control, 2017, 31, 309-320.	5.7	58
30	Feasibility Study of Advanced Neural Networks Applied to sEMG-Based Force Estimation. Sensors, 2018, 18, 3226.	3.8	58
31	A Novel EEMD-CCA Approach to Removing Muscle Artifacts for Pervasive EEG. IEEE Sensors Journal, 2019, 19, 8420-8431.	4.7	54
32	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
33	Combined Weighted Method for TDOA-Based Localization. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 1962-1971.	4.7	48
34	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
35	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
36	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

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37	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
38	Simultaneous ocular and muscle artifact removal from EEG data by exploiting diverse statistics. Computers in Biology and Medicine, 2017, 88, 1-10.	7.0	40
39	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
40	Toward Open-World Electroencephalogram Decoding Via Deep Learning: A comprehensive survey. IEEE Signal Processing Magazine, 2022, 39, 117-134.	5.6	37
41	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
42	Position-independent gesture recognition using sEMG signals via canonical correlation analysis. Computers in Biology and Medicine, 2018, 103, 44-54.	7.0	34
43	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
44	Multiuser gesture recognition using sEMG signals via canonical correlation analysis and optimal transport. Computers in Biology and Medicine, 2021, 130, 104188.	7.0	32
45	On the performance of MIMO RFID backscattering channels. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	2.4	31
46	Acoustic Indoor Localization System Integrating TDMA+FDMA Transmission Scheme and Positioning Correction Technique. Sensors, 2019, 19, 2353.	3.8	30
47	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
48	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
49	ReMAE: User-Friendly Toolbox for Removing Muscle Artifacts From EEG. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 2105-2119.	4.7	30
50	Deep Learning-Based Inverse Scattering With Structural Similarity Loss Functions. IEEE Sensors Journal, 2021, 21, 4900-4907.	4.7	30
51	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
52	Removal of High-Voltage Brain Stimulation Artifacts From Simultaneous EEG Recordings. IEEE Transactions on Biomedical Engineering, 2019, 66, 50-60.	4.2	26
53	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
54	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

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55	Adaptive Calibration of Electrode Array Shifts Enables Robust Myoelectric Control. IEEE Transactions on Biomedical Engineering, 2020, 67, 1-1.	4.2	24
56	Remote Photoplethysmography With an EEMD-MCCA Method Robust Against Spatially Uneven Illuminations. IEEE Sensors Journal, 2021, 21, 13484-13494.	4.7	24
57	HD-sEMG-based research on activation heterogeneity of skeletal muscles and the joint force estimation during elbow flexion. Journal of Neural Engineering, 2018, 15, 056027.	3.5	23
58	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
59	Design and Implementation of a Wearable, Wireless EEG Recording System. , 2011, , .		22
60	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
61	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
62	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
63	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
64	Short-lag spatial coherence combined with eigenspace-based minimum variance beamformer for synthetic aperture ultrasound imaging. Computers in Biology and Medicine, 2017, 91, 267-276.	7.0	21
65	CGTF: Convolution-Guided Transformer for Infrared and Visible Image Fusion. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-14.	4.7	21
66	Underdetermined Joint Blind Source Separation of Multiple Datasets. IEEE Access, 2017, 5, 7474-7487.	4.2	20
67	Decreased subregional specificity of the putamen in Parkinson's Disease revealed by dynamic connectivity-derived parcellation. NeuroImage: Clinical, 2018, 20, 1163-1175.	2.7	20
68	An IC-PLS Framework for Group Corticomuscular Coupling Analysis. IEEE Transactions on Biomedical Engineering, 2013, 60, 2022-2033.	4.2	19
69	Removal of muscle artefacts from fewâ€channel EEG recordings based on multivariate empirical mode decomposition and independent vector analysis. Electronics Letters, 2018, 54, 866-868.	1.0	19
70	A Three-Step Multimodal Analysis Framework for Modeling Corticomuscular Activity With Application to Parkinsonâ€™s Disease. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 1232-1241.	6.3	18
71	Underdetermined Joint Blind Source Separation for Two Datasets Based on Tensor Decomposition. IEEE Signal Processing Letters, 2016, 23, 673-677.	3.6	18
72	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

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73	Robust Multichannel EEG Compressed Sensing in the Presence of Mixed Noise. IEEE Sensors Journal, 2019, 19, 10574-10583.	4.7	18
74	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
75	EEG-Based Emotion Recognition via Neural Architecture Search. IEEE Transactions on Affective Computing, 2023, 14, 957-968.	8.3	18
76	Hyperspectral Unmixing with Bandwise Generalized Bilinear Model. Remote Sensing, 2018, 10, 1600.	4.0	17
77	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
78	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
79	Electromagnetic Inverse Scattering With Perceptual Generative Adversarial Networks. IEEE Transactions on Computational Imaging, 2021, 7, 689-699.	4.4	17
80	Multi-focus image fusion with deep residual learning and focus property detection. Information Fusion, 2022, 86-87, 1-16.	19.1	17
81	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
82	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
83	A SEMG-Force Estimation Framework Based on a Fast Orthogonal Search Method Coupled with Factorization Algorithms. Sensors, 2018, 18, 2238.	3.8	15
84	Sparse unmixing of hyperspectral data with bandwise model. Information Sciences, 2020, 512, 1424-1441.	6.9	15
85	High-Density Surface EMG Denoising Using Independent Vector Analysis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1271-1281.	4.9	15
86	A Joint Multimodal Group Analysis Framework for Modeling Corticomuscular Activity. IEEE Transactions on Multimedia, 2013, 15, 1049-1059.	7.2	14
87	Complex network analysis of brain functional connectivity under a multi-step cognitive task. Physica A: Statistical Mechanics and Its Applications, 2017, 466, 663-671.	2.6	14
88	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
89	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
90	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

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91	Hip Landmark Detection With Dependency Mining in Ultrasound Image. IEEE Transactions on Medical Imaging, 2021, 40, 3762-3774.	8.9	13
92	Multimodal MRI Volumetric Data Fusion With Convolutional Neural Networks. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	4.7	13
93	Metric learning for novel motion rejection in high-density myoelectric pattern recognition. Knowledge-Based Systems, 2021, 227, 107165.	7.1	12
94	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
95	Elbow-flexion force estimation during arm posture dynamically changing between pronation and supination. Journal of Neural Engineering, 2019, 16, 066005.	3.5	11
96	Interpatient ECG Heartbeat Classification with an Adversarial Convolutional Neural Network. Journal of Healthcare Engineering, 2021, 2021, 1-11.	1.9	11
97	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
98	Zero-Shot Learning Based on Deep Weighted Attribute Prediction. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2948-2957.	9.3	9
99	A phase congruencyâ€based green fluorescent protein and phase contrast image fusion method in nonsubsampled shearlet transform domain. Microscopy Research and Technique, 2020, 83, 1225-1234.	2.2	9
100	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
101	A novel few-channel strategy for removing muscle artifacts from multichannel EEG data. , 2017, , .		8
102	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
103	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
104	Semisupervised Seizure Prediction in Scalp EEG Using Consistency Regularization. Journal of Healthcare Engineering, 2022, 2022, 1-10.	1.9	8
105	Corticomuscular Activity Modeling by Combining Partial Least Squares and Canonical Correlation Analysis. Journal of Applied Mathematics, 2013, 2013, 1-11.	0.9	7
106	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
107	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
108	Muscle Artifact Removal Toward Mobile SSVEP-Based BCI: A Comparative Study. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	4.7	7

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109	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
110	A Fatigue Involved Modification Framework for Force Estimation in Fatiguing Contraction. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 2153-2164.	4.9	6
111	New Algorithm of Response Curve for Fitting HDR Image. International Journal of Pattern Recognition and Artificial Intelligence, 2020, 34, 2054001.	1.2	6
112	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
113	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
114	Multiscale Feature Interactive Network for Multifocus Image Fusion. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-16.	4.7	6
115	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
116	Multi-channel EEG-based emotion recognition in the presence of noisy labels. Science China Information Sciences, 2022, 65, 1.	4.3	6
117	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
118	Galvanic Vestibular Stimulation Improves Subnetwork Interactions in Parkinsonâ€™s Disease. Journal of Healthcare Engineering, 2021, 2021, 1-11.	1.9	5
119	Performance of General STCs over Spatially Correlated MIMO Single-keyhole Channels. IEEE Transactions on Vehicular Technology, 2014, , 1-1.	6.3	4
120	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
121	Chinese Sign Language Recognition Based on DTW-Distance-Mapping Features. Mathematical Problems in Engineering, 2020, 2020, 1-13.	1.1	4
122	Quantitative Assessment of Traumatic Upper-Limb Peripheral Nerve Injuries Using Surface Electromyography. Frontiers in Bioengineering and Biotechnology, 2020, 8, 795.	4.1	4
123	An Invertible Dynamic Graph Convolutional Network for Multi-Center ASD Classification. Frontiers in Neuroscience, 2021, 15, 828512.	2.8	4
124	Decoding finger movement patterns from microscopic neural drive information based on deep learning. Medical Engineering and Physics, 2022, 104, 103797.	1.7	4
125	A novel consistency-based training strategy for seizure prediction. Journal of Neuroscience Methods, 2022, 372, 109557.	2.5	4
126	Image Fusion with Sparse Representation: A Novel Local Contrast-Based Preprocessing Strategy. , 2022, 6, 1-4.		4

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127	Reliable indoor location sensing technique using active RFID. , 2010, , .		3
128	3D ultrasound imaging in frequency domain based on concepts of array beam and synthetic aperture. Ultrasonics, 2018, 84, 254-263.	3.9	3
129	Investigation on the Contributions of Different Muscles to the Generated Force based on HD-sEMG and DBN. , 2019, 2019, 2645-2648.		3
130	Visualized Evidences for Detecting Novelty in Myoelectric Pattern Recognition using 3D Convolutional Neural Networks. , 2019, 2019, 2641-2644.		3
131	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
132	Motion Robust Imaging Ballistocardiography Through a Two-Step Canonical Correlation Analysis. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	3
133	Galvanic Vestibular Stimulation: Data Analysis and Applications in Neurorehabilitation. IEEE Signal Processing Magazine, 2021, 38, 54-64.	5.6	3
134	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
135	A novel SSA-CCA framework for muscle artifact removal from ambulatory EEG. Virtual Reality & Intelligent Hardware, 2022, 4, 1-21.	3.2	3
136	A heart beat rate detection framework using multiple nanofiber sensor signals. , 2014, , .		2
137	Patch Based Collaborative Representation with Gabor Feature and Measurement Matrix for Face Recognition. Mathematical Problems in Engineering, 2018, 2018, 1-13.	1.1	2
138	A feasibility study of a video-based heart rate estimation method with convolutional neural networks. , 2019, , .		2
139	A convolutional sparsity regularization for solving inverse scattering problems. IEEE Antennas and Wireless Propagation Letters, 2021, , 1-1.	4.0	2
140	fMRI-SI-STBF: An fMRI-informed Bayesian electromagnetic spatio-temporal extended source imaging. Neurocomputing, 2021, 462, 14-30.	5.9	2
141	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
142	Unknown Motion Rejection in Myoelectric Pattern Recognition Using Convolutional Prototype Network. IEEE Sensors Journal, 2022, 22, 4305-4314.	4.7	2
143	Spatial-Spectral Nonlinear Hyperspectral Unmixing Under Complex Noise. IEEE Sensors Journal, 2022, 22, 4338-4346.	4.7	2
144	A tridirectional method for corticomuscular coupling analysis in Parkinson's disease. , 2012, , .		1

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145	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
146	Exploring the feasibility of seamless remote heart rate measurement using multiple synchronized cameras. Multimedia Tools and Applications, 2020, 79, 23023-23043.	3.9	1
147	Interpreting Bottom-Up Decision-Making of CNNs via Hierarchical Inference. IEEE Transactions on Image Processing, 2021, 30, 6701-6714.	9.8	1
148	Rejecting Novel Motions in High-Density Myoelectric Pattern Recognition Using Hybrid Neural Networks. Frontiers in Neurorobotics, 2022, 16, 862193.	2.8	1
149	A P300-based BCI classification algorithm using median filtering and Bayesian feature extraction. , 2012, , .		0
150	Time varying brain connectivity modeling using FMRI signals. , 2014, , .		0
151	Joint time invariant and time dependent brain connectivity network estimation. , 2016, , .		0
152	Visualization of boundaries in CT volumetric data sets using dynamic <mml:math altimg="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/co	7.0	0
153	Opacity specification based on visibility ratio and occlusion vector in direct volume rendering. Biomedical Signal Processing and Control, 2017, 34, 174-182.	5.7	0
154	Sector-scanning 3D ultrasound imaging in frequency domain with 1D array transducer. Ultrasonics, 2018, 84, 1-8.	3.9	0
155	Superpixel-Based Noise-Robust Sparse Unmixing of Hyperspectral Image. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	0