Rabab Kreidieh Ward

List of Publications by Year
in descending order

228 papers	9,090 citations	61945 43 h-index	46771 89 g-index
229 all docs	229 docs citations	229 times ranked	8208 citing authors

#	Article	IF	Citations
1	A survey of signal processing algorithms in brain–computer interfaces based on electrical brain signals. Journal of Neural Engineering, 2007, 4, R32-R57.	1.8	714
2	Image Fusion With Convolutional Sparse Representation. IEEE Signal Processing Letters, 2016, 23, 1882-1886.	2.1	634
3	Deep Sentence Embedding Using Long Short-Term Memory Networks: Analysis and Application to Information Retrieval. IEEE/ACM Transactions on Audio Speech and Language Processing, 2016, 24, 694-707.	4.0	530
4	EMG and EOG artifacts in brain computer interface systems: A survey. Clinical Neurophysiology, 2007, 118, 480-494.	0.7	498
5	Deep learning for pixel-level image fusion: Recent advances and future prospects. Information Fusion, 2018, 42, 158-173.	11.7	497
6	The use of photoplethysmography for assessing hypertension. Npj Digital Medicine, 2019, 2, 60.	5.7	359
7	Fast Image/Video Contrast Enhancement Based on Weighted Thresholded Histogram Equalization. IEEE Transactions on Consumer Electronics, 2007, 53, 757-764.	3.0	344
8	Short telomeres on human chromosome 17p. Nature Genetics, 1998, 18, 76-80.	9.4	218
9	Medical Image Fusion via Convolutional Sparsity Based Morphological Component Analysis. IEEE Signal Processing Letters, 2019, 26, 485-489.	2.1	192
10	A New Orientation-Adaptive Interpolation Method. IEEE Transactions on Image Processing, 2007, 16, 889-900.	6.0	155
11	Optimized deep neural network architecture for robust detection of epileptic seizures using EEG signals. Clinical Neurophysiology, 2019, 130, 25-37.	0.7	150
12	Segmentation and Classification of Polarimetric SAR Data Using Spectral Graph Partitioning. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 164-174.	2.7	134
13	A Robust and Fast Video Copy Detection System Using Content-Based Fingerprinting. IEEE Transactions on Information Forensics and Security, 2011, 6, 213-226.	4.5	132
14	Video-Based Heart Rate Measurement: Recent Advances and Future Prospects. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3600-3615.	2.4	132
15	Removing the blocking artifacts of block-based DCT compressed images. IEEE Transactions on Image Processing, 2003, 12, 838-842.	6.0	130
16	Photoplethysmography and Deep Learning: Enhancing Hypertension Risk Stratification. Biosensors, 2018, 8, 101.	2.3	115
17	An optimal filter for short photoplethysmogram signals. Scientific Data, 2018, 5, 180076.	2.4	115
18	Robust Image Watermarking Based on Multiscale Gradient Direction Quantization. IEEE Transactions on Information Forensics and Security, 2011, 6, 1200-1213.	4.5	111

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19	Semi-supervised Stacked Label Consistent Autoencoder for Reconstruction and Analysis of Biomedical Signals. IEEE Transactions on Biomedical Engineering, 2017, 64, 2196-2205.	2.5	101
20	Removing Muscle Artifacts From EEG Data: Multichannel or Single-Channel Techniques?. IEEE Sensors Journal, 2016, 16, 1986-1997.	2.4	97
21	Hypertension Assessment via ECG and PPG Signals: An Evaluation Using MIMIC Database. Diagnostics, 2018, 8, 65.	1.3	94
22	Distributed Compressive Sensing: A Deep Learning Approach. IEEE Transactions on Signal Processing, 2016, 64, 4504-4518.	3.2	90
23	Cuffless Single-Site Photoplethysmography for Blood Pressure Monitoring. Journal of Clinical Medicine, 2020, 9, 723.	1.0	89
24	Can Photoplethysmography Replace Arterial Blood Pressure in the Assessment of Blood Pressure?. Journal of Clinical Medicine, 2018, 7, 316.	1.0	84
25	Compressed sensing of color images. Signal Processing, 2010, 90, 3122-3127.	2.1	83
26	An algorithm for sparse MRI reconstruction by Schatten p-norm minimization. Magnetic Resonance Imaging, 2011, 29, 408-417.	1.0	82
27	Toward Generating More Diagnostic Features from Photoplethysmogram Waveforms. Diseases (Basel,) Tj ETQq1 1 0.784314 rgBT /Over	1.0	73
28	Comparison of Evaluation Metrics in Classification Applications with Imbalanced Datasets. , 2008, , .		72
29	Calibration-Less Multi-coil MR image reconstruction. Magnetic Resonance Imaging, 2012, 30, 1032-1045.	1.0	71
30	A Preliminary Study of Muscular Artifact Cancellation in Single-Channel EEG. Sensors, 2014, 14, 18370-18389.	2.1	67
31	Efficient ECG Compression and QRS Detection for E-Health Applications. Scientific Reports, 2017, 7, 459.	1.6	67
32	Wavelet packets-based digital watermarking for image verification and authentication. Signal Processing, 2003, 83, 2117-2132.	2.1	65
33	Adaptive Region-Based Image Enhancement Method for Robust Face Recognition Under Variable Illumination Conditions. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 1165-1175.	5.6	64
34	Object-Based Multiple Foreground Video Co-Segmentation via Multi-State Selection Graph. IEEE Transactions on Image Processing, 2015, 24, 3415-3424.	6.0	63
35	Hypertension Assessment Using Photoplethysmography: A Risk Stratification Approach. Journal of Clinical Medicine, 2019, 8, 12.	1.0	62
36	A Video Watermarking Scheme Based on the Dual-Tree Complex Wavelet Transform. IEEE Transactions on Information Forensics and Security, 2008, 3, 466-474.	4.5	61

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37	Compressed Sensing Based Real-Time Dynamic MRI Reconstruction. IEEE Transactions on Medical Imaging, 2012, 31, 2253-2266.	5.4	57
38	Fast group sparse classification. Canadian Journal of Electrical and Computer Engineering, 2009, 34, 136-144.	1.5	56
39	How Effective Is Pulse Arrival Time for Evaluating Blood Pressure? Challenges and Recommendations from a Study Using the MIMIC Database. Journal of Clinical Medicine, 2019, 8, 337.	1.0	56
40	Image Feature Extraction in the Last Screening Mammograms Prior to Detection of Breast Cancer. IEEE Journal on Selected Topics in Signal Processing, 2009, 3, 46-52.	7.3	54
41	Comparing Different Classifiers in Sensory Motor Brain Computer Interfaces. PLoS ONE, 2015, 10, e0129435.	1.1	52
42	Robust Classifiers for Data Reduced via Random Projections. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 1359-1371.	5.5	50
43	Edge-based compression and classification for smart healthcare systems: Concept, implementation and evaluation. Expert Systems With Applications, 2019, 117, 1-14.	4.4	49
44	Semi-dilated convolutional neural networks for epileptic seizure prediction. Neural Networks, 2021, 139, 212-222.	3.3	47
45	Accelerating multi-echo T2 weighted MR imaging: Analysis prior group-sparse optimization. Journal of Magnetic Resonance, 2011, 210, 90-97.	1.2	45
46	The Effectiveness of Image Augmentation in Deep Learning Networks for Detecting COVID-19: A Geometric Transformation Perspective. Frontiers in Medicine, 2021, 8, 629134.	1.2	45
47	Joint reconstruction of multiecho MR images using correlated sparsity. Magnetic Resonance Imaging, 2011, 29, 899-906.	1.0	44
48	Active-Learning-Incorporated Deep Transfer Learning for Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 4048-4062.	2.3	44
49	Image Similarity Using Sparse Representation and Compression Distance. IEEE Transactions on Multimedia, 2014, 16, 980-987.	5.2	43
50	A convolutional-recurrent neural network approach to resting-state EEG classification in Parkinson's disease. Journal of Neuroscience Methods, 2021, 361, 109282.	1.3	42
51	Robust detection of epileptic seizures based on L1-penalized robust regression of EEG signals. Expert Systems With Applications, 2018, 104, 153-167.	4.4	41
52	Automatic labeling of molecular biomarkers of immunohistochemistry images using fully convolutional networks. PLoS ONE, 2018, 13, e0190783.	1.1	41
53	An Energy Efficient Compressed Sensing Framework for the Compression of Electroencephalogram Signals. Sensors, 2014, 14, 1474-1496.	2.1	40
54	Energy efficient EEG sensing and transmission for wireless body area networks: A blind compressed sensing approach. Biomedical Signal Processing and Control, 2015, 20, 1-9.	3.5	39

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55	Performance Analysis of RFID Protocols: CDMA Versus the Standard EPC Gen-2. IEEE Transactions on Automation Science and Engineering, 2014, 11, 1250-1261.	3.4	37
56	On the choice of Compressed Sensing priors and sparsifying transforms for MR image reconstruction: An experimental study. Signal Processing: Image Communication, 2012, 27, 1035-1048.	1.8	35
57	Non-convex algorithm for sparse and low-rank recovery: Application to dynamic MRI reconstruction. Magnetic Resonance Imaging, 2013, 31, 448-455.	1.0	35
58	Energy-Efficient Data Reduction Techniques for Wireless Seizure Detection Systems. Sensors, 2014, 14, 2036-2051.	2.1	34
59	A New Scheme for Robust Gradient Vector Estimation in Color Images. IEEE Transactions on Image Processing, 2011, 20, 2211-2220.	6.0	33
60	Synthetic photoplethysmogram generation using two Gaussian functions. Scientific Reports, 2020, 10, 13883.	1.6	33
61	Improved Group Sparse Classifier. Pattern Recognition Letters, 2010, 31, 1959-1964.	2.6	32
62	Exploiting rank deficiency and transform domain sparsity for MR image reconstruction. Magnetic Resonance Imaging, 2012, 30, 9-18.	1.0	32
63	Improving Remote Health Monitoring: A Low-Complexity ECG Compression Approach. Diagnostics, 2018, 8, 10.	1.3	32
64	A binary water wave optimization for feature selection. International Journal of Approximate Reasoning, 2020, 120, 74-91.	1.9	32
65	Multimodal Photoplethysmography-Based Approaches for Improved Detection of Hypertension. Journal of Clinical Medicine, 2020, 9, 1203.	1.0	32
66	HDR image construction from multi-exposed stereo LDR images. , 2010, , .		31
67	Face recognition under pose variations. Journal of the Franklin Institute, 2006, 343, 596-613.	1.9	30
68	Plausibility assessment of a 2-state self-paced mental task-based BCI using the no-control performance analysis. Journal of Neuroscience Methods, 2009, 180, 330-339.	1.3	28
69	A Low-Rank Matrix Recovery Approach for Energy Efficient EEG Acquisition for a Wireless Body Area Network. Sensors, 2014, 14, 15729-15748.	2.1	27
70	Sparse representation-based image quality assessment. Signal Processing: Image Communication, 2014, 29, 1138-1148.	1.8	27
71	The Performance of Deep Neural Networks in Differentiating Chest X-Rays of COVID-19 Patients From Other Bacterial and Viral Pneumonias. Frontiers in Medicine, 2020, 7, 550.	1.2	26
72	Video Copy Detection Using Temporally Informative Representative Images. , 2009, , .		25

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73	Automatic artefact removal in a self-paced hybrid brain- computer interface system. Journal of NeuroEngineering and Rehabilitation, 2012, 9, 50.	2.4	25
74	Recent Advances in Sparse Representation Based Medical Image Fusion. IEEE Instrumentation and Measurement Magazine, 2021, 24, 45-53.	1.2	25
75	Artifact removal in EEG using Morphological Component Analysis. , 2009, , .		24
76	A local fingerprinting approach for audio copy detection. Signal Processing, 2014, 98, 308-321.	2.1	24
77	User Customization of the Feature Generator of an Asynchronous Brain Interface. Annals of Biomedical Engineering, 2006, 34, 1051-1060.	1.3	23
78	Sparse spatial filter optimization for EEG channel reduction in brain-computer interface. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	23
79	Visually Favorable Tone-Mapping With High Compression Performance in Bit-Depth Scalable Video Coding. IEEE Transactions on Multimedia, 2013, 15, 1503-1518.	5.2	23
80	Compressive color imaging with group-sparsity on analysis prior. , 2010, , .		22
81	Convolutional Deep Stacking Networks for distributed compressive sensing. Signal Processing, 2017, 131, 181-189.	2.1	22
82	An improved asynchronous brain interface: making use of the temporal history of the LF-ASD feature vectors. Journal of Neural Engineering, 2006, 3, 87-94.	1.8	21
83	Probabilistic Analysis and Correction of Chen's Tag Estimate Method. IEEE Transactions on Automation Science and Engineering, 2011, 8, 659-663.	3.4	21
84	Algorithms to Approximately Solve NP Hard Row-Sparse MMV Recovery Problem: Application to Compressive Color Imaging. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2012, 2, 362-369.	2.7	21
85	Probabilistic Analysis of Blocking Attack in RFID Systems. IEEE Transactions on Information Forensics and Security, 2011, 6, 803-817.	4.5	20
86	Block Sparse Compressed Sensing of Electroencephalogram (EEG) Signals by Exploiting Linear and Non-Linear Dependencies. Sensors, 2016, 16, 201.	2.1	20
87	Causal dynamic MRI reconstruction via nuclear norm minimization. Magnetic Resonance Imaging, 2012, 30, 1483-1494.	1.0	19
88	Energy Optimization for Many-Core Platforms: Communication and PVT Aware Voltage-Island Formation and Voltage Selection Algorithm. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2010, 29, 816-829.	1.9	18
89	Quantification of confocal fluorescence microscopy for the detection of cervical intraepithelial neoplasia. BioMedical Engineering OnLine, 2015, 14, 96.	1.3	17
90	DT-LET: Deep transfer learning by exploring where to transfer. Neurocomputing, 2020, 390, 99-107.	3.5	17

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91	An expert system for general symbol recognition. Pattern Recognition, 2000, 33, 1975-1988.	5.1	15
92	Deep Transfer Learning for Hyperspectral Image Classification. , 2018, , .		15
93	Assessment of Hypertension Using Clinical Electrocardiogram Features: A First-Ever Review. Frontiers in Medicine, 2020, 7, 583331.	1.2	15
94	Towards MPEG4: An improved H.263-based video coder. Signal Processing: Image Communication, 1997, 10, 143-158.	1.8	14
95	Feature analysis and centromere segmentation of human chromosome images using an iterative fuzzy algorithm. IEEE Transactions on Biomedical Engineering, 2002, 49, 363-371.	2.5	14
96	Fast RLS Fourier analyzers capable of accommodating frequency mismatch. Signal Processing, 2007, 87, 2197-2212.	2.1	14
97	Component-wise pose normalization for pose-invariant face recognition. , 2009, , .		14
98	Nuclear norm-regularized SENSE reconstruction. Magnetic Resonance Imaging, 2012, 30, 213-221.	1.0	14
99	A Joint Multimodal Group Analysis Framework for Modeling Corticomuscular Activity. IEEE Transactions on Multimedia, 2013, 15, 1049-1059.	5.2	14
100	Robust Detection of Epileptic Seizures Using Deep Neural Networks. , 2018, , .		14
101	A self-paced brain interface system that uses movement related potentials and changes in the power of brain rhythms. Journal of Computational Neuroscience, 2007, 23, 21-37.	0.6	13
102	Facial EMG contamination of EEG signals: Characteristics and effects of spatial filtering. , 2008, , .		13
103	Using deep stacking network to improve structured compressed sensing with Multiple Measurement Vectors. , 2013, , .		13
104	Patch-based models and algorithms for image processing: a review of the basic principles and methods, and their application in computed tomography. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 1765-1777.	1.7	13
105	PPGSynth: An Innovative Toolbox for Synthesizing Regular and Irregular Photoplethysmography Waveforms. Frontiers in Medicine, 2020, 7, 597774.	1.2	13
106	Perception matters: Exploring imperceptible and transferable anti-forensics for GAN-generated fake face imagery detection. Pattern Recognition Letters, 2021, 146, 15-22.	2.6	13
107	Generalized Morphological Component Analysis for EEG source separation and artifact removal. , 2009, , .		12
108	Image quality monitoring using spread spectrum watermarking. , 2009, , .		12

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109	Reducing streak artifacts in computed tomography via sparse representation in coupled dictionaries. Medical Physics, 2016, 43, 1473-1486.	1.6	12
110	Ethnic disparities in publicly-available pulse oximetry databases. Communications Medicine, 2022, 2, .	1.9	12
111	Effect of eye-blinks on a self-paced brain interface design. Clinical Neurophysiology, 2007, 118, 1639-1647.	0.7	11
112	Compensation of Requantization and Interpolation Errors in MPEG-2 to H.264 Transcoding. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 314-325.	5.6	11
113	Color image desaturation using sparse reconstruction. , 2010, , .		11
114	Self-supervised 3D human pose estimation from video. Neurocomputing, 2022, 488, 97-106.	3.5	11
115	Multi-Channel Vision Transformer for Epileptic Seizure Prediction. Biomedicines, 2022, 10, 1551.	1.4	11
116	A novel invariant mapping applied to hand-written arabic character recognition. Pattern Recognition, 2001, 34, 2115-2120.	5.1	10
117	A Comparative Study on Generating Training-Data for Self-Paced Brain Interfaces. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2007, 15, 59-66.	2.7	10
118	Calibrationless Parallel Magnetic Resonance Imaging: A Joint Sparsity Model. Sensors, 2013, 13, 16714-16735.	2.1	10
119	Non-convex row-sparse multiple measurement vector analysis prior formulation for EEG signal reconstruction. Biomedical Signal Processing and Control, 2014, 13, 142-147.	3.5	10
120	Perceptually-friendly rate distortion optimization in high efficiency video coding. , 2015, , .		10
121	A sinogram denoising algorithm for low-dose computed tomography. BMC Medical Imaging, 2016, 16, 11.	1.4	10
122	Compute-and-Forward for Uplink Non-Orthogonal Multiple Access. IEEE Wireless Communications Letters, 2018, 7, 986-989.	3.2	10
123	Subjective evaluation of tone-mapping methods on 3D images. , 2011, , .		9
124	Effect of brightness on the quality of visual 3D perception. , 2011, , .		9
125	Rendering 3-D High Dynamic Range Images: Subjective Evaluation of Tone-Mapping Methods and Preferred 3-D Image Attributes. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 597-610.	7.3	9
126	Rank Awareness in Group-Sparse Recovery of Multi-Echo MR Images. Sensors, 2013, 13, 3902-3921.	2.1	9

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127	Perceptual rate distortion optimization of 3D–HEVC using PSNR-HVS. Multimedia Tools and Applications, 2018, 77, 22985-23008.	2.6	9
128	Unifying Top–Down Views by Task-Specific Domain Adaptation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4689-4702.	2.7	9
129	Segmentation of polarimetric SAR data using contour information via spectral graph partitioning. , 2007, , .		8
130	A novel local audio fingerprinting algorithm. , 2012, , .		8
131	Learning sparse models for image quality assessment. , 2014, , .		8
132	Ll-regularization based EEG feature learning for detecting epileptic seizure. , 2016, , .		8
133	On the computational implementation of forward and back-projection operations for cone-beam computed tomography. Medical and Biological Engineering and Computing, 2016, 54, 1193-1204.	1.6	8
134	Semisupervised Seizure Prediction in Scalp EEG Using Consistency Regularization. Journal of Healthcare Engineering, 2022, 2022, 1-10.	1.1	8
135	Wavelet packets-based image retrieval. , 2002, , .		7
136	A Framework for Evaluating Video Transmission over Wireless Ad Hoc Networks. , 2007, , .		7
137	Non-convex group sparsity: Application to color imaging. , 2010, , .		7
138	Combining sparsity with rank-deficiency for energy efficient EEG sensing and transmission over Wireless Body Area Network. , 2015, , .		7
139	A denoising algorithm for projection measurements in cone-beam computed tomography. Computers in Biology and Medicine, 2016, 69, 71-82.	3.9	7
140	Efficient MPEG-2 encoding of interlaced video. Canadian Journal of Electrical and Computer Engineering, 1998, 23, 61-67.	1.5	6
141	Bit-rate estimation for bit-rate reduction H.264/AVC video transcoding in wireless networks. , 2008, , .		6
142	Performance of a Self-Paced Brain Computer Interface on Data Contaminated with Eye-Movement Artifacts and on Data Recorded in a Subsequent Session. Computational Intelligence and Neuroscience, 2008, 2008, 1-13.	1.1	6
143	Differential Radon Transform for gait recognition. , 2010, , .		6
144	A sparse reconstruction based algorithm for image and video classification. , 2012, , .		6

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145	Compressed sensing and energy-aware independent component analysis for compression of EEG signals. , 2013, , .		6
146	Real-time reconstruction of EEG signals from compressive measurements via deep learning. , 2016, , .		6
147	Epileptic Seizure Prediction: A Semi-Dilated Convolutional Neural Network Architecture. , 2021, , .		6
148	The Striking Need for Age Diverse Pulse Oximeter Databases. Frontiers in Medicine, 2021, 8, 782422.	1.2	6
149	Automatic user customization for improving the performance of a self-paced brain interface system. Medical and Biological Engineering and Computing, 2006, 44, 1093-1104.	1.6	5
150	An Experimental Study to Investigate the Effects of a Motion Tracking Electromagnetic Sensor During EEG Data Acquisition. IEEE Transactions on Biomedical Engineering, 2006, 53, 559-563.	2.5	5
151	Visually-favorable tone-mapping with high compression performance. , 2010, , .		5
152	Analytical modeling of RFID Generation-2 protocol using absorbing Markov chain theorem. , 2012, , .		5
153	Optimizing the Lagrange multiplier in perceptually-friendly high efficiency video coding for mobile applications. , 2016, , .		5
154	Coarse-to-Fine Image DeHashing Using Deep Pyramidal Residual Learning. IEEE Signal Processing Letters, 2019, 26, 1295-1299.	2.1	5
155	Epileptic Seizure Prediction: A Multi-Scale Convolutional Neural Network Approach. , 2019, , .		5
156	Feature extraction from three-dimensional images in quantitative microscopy. Micron and Microscopica Acta, 1992, 23, 481-489.	0.2	4
157	Solving mathematical problems using knowledge-based systems. Mathematics and Computers in Simulation, 2004, 67, 149-161.	2.4	4
158	Fast block size prediction for MPEG-2 to H.264/AVC transcoding. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	4
159	Removal-Cost Method: An efficient voltage selection algorithm for multi-core platforms under PVT. , 2009, , .		4
160	An efficient method for robust gradient estimation of RGB color images. , 2009, , .		4
161	Perceptual distortion measurement in the coding unit mode selection for 3D-HEVC. , 2016, , .		4
162	Xnet: Task-specific attentional domain adaptation for satellite-to-aerial scene. Neurocomputing, 2020, 406, 215-223.	3.5	4

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163	Improving compression efficiency of HEVC using perceptual coding. Multimedia Tools and Applications, 2021, 80, 10235-10254.	2.6	4
164	A NEW EDGE PRESERVING BINARY IMAGES RESIZING TECHNIQUE. Journal of Circuits, Systems and Computers, 2002, 11, 247-257.	1.0	3
165	An Efficient Re-quantization Error Compensation for MPEG2 to H.264 Transcoding. , 2006, , .		3
166	Fast Image/Video Contrast Enhancement Based on WTHE. , 2006, , .		3
167	Comparison of Using Mono-Polar and Bipolar Electroencephalogram (EEG) Electrodes for Detection of Right and Left Hand Movements in a Self-Paced Brain Computer Interface (BCI). , 2007, , .		3
168	Evaluating the performance of a self-paced BCI with a new movement and using a more engaging environment. , 2008, 2008, 650-3.		3
169	Correcting unsynchronized zoom in 3D video. , 2010, , .		3
170	On-the-fly tone mapping for backward-compatible high dynamic range image/video compression. , 2010, , .		3
171	A Matrix Completion Approach to Reduce Energy Consumption in Wireless Sensor Networks. , 2010, , .		3
172	Angular upsampling of projection measurements in 3D computed tomography using a sparsity prior. , 2015, , .		3
173	Impact of Data Transformation: An ECG Heartbeat Classification Approach. Frontiers in Digital Health, 2020, 2, 610956.	1.5	3
174	PPGTempStitch: A MATLAB Toolbox for Augmenting Annotated Photoplethsmogram Signals. Sensors, 2021, 21, 4007.	2.1	3
175	Robust Reconstruction of Electrocardiogram Using Photoplethysmography: A Subject-Based Model. Frontiers in Physiology, 2022, 13, 859763.	1.3	3
176	On determining the on-line minimax linear fit to a discrete point set in the plane. Information Processing Letters, 1987, 24, 97-101.	0.4	2
177	An Efficient MPEG2 to H.264 Half-Pixel Motion Compensation Transcoding. , 2006, , .		2
178	A Robust Approach for Eye Localization Under Variable Illuminations. Proceedings International Conference on Image Processing, 2007, , .	0.0	2
179	Efficient DVB-MHP to Blu-Ray System Information Transcoding. , 2007, , .		2
180	On the security of singular value based watermarking. , 2008, , .		2

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181	Simultaneous PVT-tolerant voltage-island formation and core placement for thousand-core platforms. , 2009, , .		2
182	Towards automated image hashing based on the Fast Johnson-Lindenstrauss Transform (FJLT). , 2009, , .		2
183	A brain-computer interface based on mental tasks with a zero false activation rate. , 2009, , .		2
184	A robust morphological gradient estimator and edge detector for color images. , 2010, , .		2
185	Compressed sensing based MR image reconstruction from multiple partial K-space scans. , 2011, , .		2
186	Fast matching for video/audio fingerprinting algorithms. , 2011, , .		2
187	Automatic artefact detection in a self-paced brain-computer interface system. , 2011, , .		2
188	Action recognition by learnt class-specific overcomplete dictionaries. , 2011, , .		2
189	Novel feature generation and classification for a 2-state Self-paced Brain Computer Interface system. , 2012, , .		2
190	Image similarity measurement from sparse reconstruction errors. , 2013, , .		2
191	Exploiting Sparsity and Rank Deficiency for MR Image Reconstruction From Multiple Partial K-Space Scans. Canadian Journal of Electrical and Computer Engineering, 2014, 37, 228-235.	1.5	2
192	Hidden Markov Support Vector Machines for Self-Paced Brain Computer Interfaces. , 2015, , .		2
193	Learning the sparsity basis in low-rank plus sparse model for dynamic MRI reconstruction. , 2015, , .		2
194	Neural Network Conditional Random Fields for Self-Paced Brain Computer Interfaces. , 2016, , .		2
195	A low power Dirac basis compressed sensing framework for EEG using a Meyer wavelet function dictionary. , 2016, , .		2
196	Energy Efficient EEG Monitoring System for Wireless Epileptic Seizure Detection. , 2016, , .		2
197	Sparse-View Image Reconstruction in Cone-Beam Computed Tomography with Variance-Reduced Stochastic Gradient Descent and Locally-Adaptive Proximal Operation. Journal of Medical and Biological Engineering, 2017, 37, 420-440.	1.0	2
198	High performance EEG feature extraction for fast epileptic seizure detection. , 2017, , .		2

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199	Eliminating Pilot Contamination Using Dual Pilot Sequences in Massive MIMO. , 2017, , .		2
200	Energy-efficient EEG monitoring systems for wireless epileptic seizure detection. , 2020, , 69-85.		2
201	HDTV picture quality performance in the presence of random errors, analysis and measures for improvement. Signal Processing: Image Communication, 1996, 8, 79-98.	1.8	1
202	Symmetry-preserving reversible integer-to-integer wavelet transforms. , 2002, , .		1
203	Applying a Hybrid Genetic Algorithm in the Design of a Self-Paced Brain Interface with a Low False Positive Rate. , 2007, , .		1
204	Real-time DVB-MHP to Blu-ray system information transcoding. IEEE Transactions on Consumer Electronics, 2008, 54, 639-647.	3.0	1
205	A custom-designed mental task-based brain-computer interface. , 2009, , .		1
206	A region-specific QIM-based watermarking scheme for digital images. , 2009, , .		1
207	Wavelet-based gradient transform and its applications. , 2012, , .		1
208	Exploiting rank deficiency for MR image reconstruction from multiple partial K-space scans. , 2013, , .		1
209	Data reduction for wireless seizure detection systems. , 2013, , .		1
210	Non-linear sparse and group sparse classifier. , 2013, , .		1
211	Image reconstruction in computed tomography using variance-reduced stochastic gradient descent. , 2017, , .		1
212	Election of President-Elect, Regional Directors-at-Large, and Members-at-Large [Society News]. IEEE Signal Processing Magazine, 2019, 36, 8-15.	4.6	1
213	Dual Pilot Scheme (DPS) and Its Application in Massive MIMO. IEEE Transactions on Communications, 2021, 69, 1431-1444.	4.9	1
214	Interpreting Bottom-Up Decision-Making of CNNs via Hierarchical Inference. IEEE Transactions on Image Processing, 2021, 30, 6701-6714.	6.0	1
215	Efficient Chrominance Compensation for MPEG2 to H.264 Transcoding. , 2007, , .		0
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