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	Semisupervised Seizure Prediction in Scalp EEG Using Consistency Regularization. Journal of Healthcare Engineering, 2022, 2022, 1-10.	1.1	8
2	Self-supervised 3D human pose estimation from video. Neurocomputing, 2022, 488, 97-106.	3.5	11
3	Robust Reconstruction of Electrocardiogram Using Photoplethysmography: A Subject-Based Model. Frontiers in Physiology, 2022, 13, 859763.	1.3	3
4	Ethnic disparities in publicly-available pulse oximetry databases. Communications Medicine, 2022, 2, .	1.9	12
5	Multi-Channel Vision Transformer for Epileptic Seizure Prediction. Biomedicines, 2022, 10, 1551.	1.4	11
6	Improving compression efficiency of HEVC using perceptual coding. Multimedia Tools and Applications, 2021, 80, 10235-10254.	2.6	4
7	Unifying Top–Down Views by Task-Specific Domain Adaptation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4689-4702.	2.7	9
8	Epileptic Seizure Prediction: A Semi-Dilated Convolutional Neural Network Architecture. , 2021, , .		6
9	Dual Pilot Scheme (DPS) and Its Application in Massive MIMO. IEEE Transactions on Communications, 2021, 69, 1431-1444.	4.9	1
10	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
11	Recent Advances in Sparse Representation Based Medical Image Fusion. IEEE Instrumentation and Measurement Magazine, 2021, 24, 45-53.	1.2	25
12	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
13	PPGTempStitch: A MATLAB Toolbox for Augmenting Annotated Photoplethsmogram Signals. Sensors, 2021, 21, 4007.	2.1	3
14	Semi-dilated convolutional neural networks for epileptic seizure prediction. Neural Networks, 2021, 139, 212-222.	3.3	47
15	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
16	Interpreting Bottom-Up Decision-Making of CNNs via Hierarchical Inference. IEEE Transactions on Image Processing, 2021, 30, 6701-6714.	6.0	1
17	The Striking Need for Age Diverse Pulse Oximeter Databases. Frontiers in Medicine, 2021, 8, 782422.	1.2	6
18	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

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19	Synthetic photoplethysmogram generation using two Gaussian functions. Scientific Reports, 2020, 10, 13883.	1.6	33
20	Impact of Data Transformation: An ECG Heartbeat Classification Approach. Frontiers in Digital Health, 2020, 2, 610956.	1.5	3
21	PPGSynth: An Innovative Toolbox for Synthesizing Regular and Irregular Photoplethysmography Waveforms. Frontiers in Medicine, 2020, 7, 597774.	1.2	13
22	Cuffless Single-Site Photoplethysmography for Blood Pressure Monitoring. Journal of Clinical Medicine, 2020, 9, 723.	1.0	89
23	A binary water wave optimization for feature selection. International Journal of Approximate Reasoning, 2020, 120, 74-91.	1.9	32
24	DT-LET: Deep transfer learning by exploring where to transfer. Neurocomputing, 2020, 390, 99-107.	3.5	17
25	Xnet: Task-specific attentional domain adaptation for satellite-to-aerial scene. Neurocomputing, 2020, 406, 215-223.	3.5	4
26	Multimodal Photoplethysmography-Based Approaches for Improved Detection of Hypertension. Journal of Clinical Medicine, 2020, 9, 1203.	1.0	32
27	Energy-efficient EEG monitoring systems for wireless epileptic seizure detection. , 2020, , 69-85.		2
28	Assessment of Hypertension Using Clinical Electrocardiogram Features: A First-Ever Review. Frontiers in Medicine, 2020, 7, 583331.	1.2	15
29	Coarse-to-Fine Image DeHashing Using Deep Pyramidal Residual Learning. IEEE Signal Processing Letters, 2019, 26, 1295-1299.	2.1	5
30	The use of photoplethysmography for assessing hypertension. Npj Digital Medicine, 2019, 2, 60.	5.7	359
31	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
32	Medical Image Fusion via Convolutional Sparsity Based Morphological Component Analysis. IEEE Signal Processing Letters, 2019, 26, 485-489.	2.1	192
33	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
34	Epileptic Seizure Prediction: A Multi-Scale Convolutional Neural Network Approach. , 2019, , .		5
35	Edge-based compression and classification for smart healthcare systems: Concept, implementation and evaluation. Expert Systems With Applications, 2019, 117, 1-14.	4.4	49
36	Optimized deep neural network architecture for robust detection of epileptic seizures using EEG signals. Clinical Neurophysiology, 2019, 130, 25-37.	0.7	150

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37	Hypertension Assessment Using Photoplethysmography: A Risk Stratification Approach. Journal of Clinical Medicine, 2019, 8, 12.	1.0	62
38	Video-Based Heart Rate Measurement: Recent Advances and Future Prospects. IEEE Transactions on Instrumentation and Measurement, 2019, 68, 3600-3615.	2.4	132
39	Perceptual rate distortion optimization of 3D–HEVC using PSNR-HVS. Multimedia Tools and Applications, 2018, 77, 22985-23008.	2.6	9
40	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
41	Deep learning for pixel-level image fusion: Recent advances and future prospects. Information Fusion, 2018, 42, 158-173.	11.7	497
42	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
43	Deep Transfer Learning for Hyperspectral Image Classification. , 2018, , .		15
44	Can Photoplethysmography Replace Arterial Blood Pressure in the Assessment of Blood Pressure?. Journal of Clinical Medicine, 2018, 7, 316.	1.0	84
45	Photoplethysmography and Deep Learning: Enhancing Hypertension Risk Stratification. Biosensors, 2018, 8, 101.	2.3	115
46	Hypertension Assessment via ECG and PPG Signals: An Evaluation Using MIMIC Database. Diagnostics, 2018, 8, 65.	1.3	94
47	Robust Detection of Epileptic Seizures Using Deep Neural Networks. , 2018, , .		14
48	Correction to "Semi-Supervised Deep Blind Compressed Sensing for Analysis and Reconstruction of Biomedical Signals From Compressive Measurements". IEEE Access, 2018, 6, 32676-32676.	2.6	0
49	Improving Remote Health Monitoring: A Low-Complexity ECG Compression Approach. Diagnostics, 2018, 8, 10.	1.3	32
50	Toward Generating More Diagnostic Features from Photoplethysmogram Waveforms. Diseases (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10	1.0	73
51	An optimal filter for short photoplethysmogram signals. Scientific Data, 2018, 5, 180076.	2.4	115
52	Compute-and-Forward for Uplink Non-Orthogonal Multiple Access. IEEE Wireless Communications Letters, 2018, 7, 986-989.	3.2	10
53	Automatic labeling of molecular biomarkers of immunohistochemistry images using fully convolutional networks. PLoS ONE, 2018, 13, e0190783.	1.1	41
54	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

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55	Efficient ECG Compression and QRS Detection for E-Health Applications. Scientific Reports, 2017, 7, 459.	1.6	67
56	Image reconstruction in computed tomography using variance-reduced stochastic gradient descent. , 2017, , .		1
57	Convolutional Deep Stacking Networks for distributed compressive sensing. Signal Processing, 2017, 131, 181-189.	2.1	22
58	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
59	Joint-sparse dictionary learning: Denoising multiple measurement vectors. , 2017, , .		0
60	Introducing the IEEE Signal Processing Society Executive Committee [President's Message]. IEEE Signal Processing Magazine, 2017, 34, 5-6.	4.6	0
61	High performance EEG feature extraction for fast epileptic seizure detection. , 2017, , .		2
62	Eliminating Pilot Contamination Using Dual Pilot Sequences in Massive MIMO. , 2017, , .		2
63	Ensemble of Neural Network Conditional Random Fields for Self-Paced Brain Computer Interfaces. Advances in Science, Technology and Engineering Systems, 2017, 2, 996-1005.	0.4	0
64	Block Sparse Compressed Sensing of Electroencephalogram (EEG) Signals by Exploiting Linear and Non-Linear Dependencies. Sensors, 2016, 16, 201.	2.1	20
65	Neural Network Conditional Random Fields for Self-Paced Brain Computer Interfaces. , 2016, , .		2
66	A low power Dirac basis compressed sensing framework for EEG using a Meyer wavelet function dictionary. , 2016, , .		2
67	Reducing streak artifacts in computed tomography via sparse representation in coupled dictionaries. Medical Physics, 2016, 43, 1473-1486.	1.6	12
68	Ll-regularization based EEG feature learning for detecting epileptic seizure. , 2016, , .		8
69	Energy Efficient EEG Monitoring System for Wireless Epileptic Seizure Detection. , 2016, , .		2
70	Perceptual distortion measurement in the coding unit mode selection for 3D-HEVC. , 2016, , .		4
71	Optimizing the Lagrange multiplier in perceptually-friendly high efficiency video coding for mobile applications. , 2016, , .		5
72	Distributed Compressive Sensing: A Deep Learning Approach. IEEE Transactions on Signal Processing, 2016, 64, 4504-4518.	3.2	90

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73	Codebook design for vector quantization using hexagonal partitioning. , 2016, , .		0
74	Real-time reconstruction of EEG signals from compressive measurements via deep learning. , 2016, , .		6
75	Image Fusion With Convolutional Sparse Representation. IEEE Signal Processing Letters, 2016, 23, 1882-1886.	2.1	634
76	A sinogram denoising algorithm for low-dose computed tomography. BMC Medical Imaging, 2016, 16, 11.	1.4	10
77	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
78	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
79	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
80	Removing Muscle Artifacts From EEG Data: Multichannel or Single-Channel Techniques?. IEEE Sensors Journal, 2016, 16, 1986-1997.	2.4	97
81	A denoising algorithm for projection measurements in cone-beam computed tomography. Computers in Biology and Medicine, 2016, 69, 71-82.	3.9	7
82	Hidden Markov Support Vector Machines for Self-Paced Brain Computer Interfaces. , 2015, , .		2
83	Perceptually-friendly rate distortion optimization in high efficiency video coding. , 2015, , .		10
84	Quantification of confocal fluorescence microscopy for the detection of cervical intraepithelial neoplasia. BioMedical Engineering OnLine, 2015, 14, 96.	1.3	17
85	Comparing Different Classifiers in Sensory Motor Brain Computer Interfaces. PLoS ONE, 2015, 10, e0129435.	1.1	52
86	Angular upsampling of projection measurements in 3D computed tomography using a sparsity prior. , 2015, , .		3
87	Learning the sparsity basis in low-rank plus sparse model for dynamic MRI reconstruction. , 2015, , .		2
88	Object-Based Multiple Foreground Video Co-Segmentation via Multi-State Selection Graph. IEEE Transactions on Image Processing, 2015, 24, 3415-3424.	6.0	63
89	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
90	Combining sparsity with rank-deficiency for energy efficient EEG sensing and transmission over Wireless Body Area Network. , 2015, , .		7

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91	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
92	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
93	Energy-Efficient Data Reduction Techniques for Wireless Seizure Detection Systems. Sensors, 2014, 14, 2036-2051.	2.1	34
94	A Preliminary Study of Muscular Artifact Cancellation in Single-Channel EEG. Sensors, 2014, 14, 18370-18389.	2.1	67
95	An Energy Efficient Compressed Sensing Framework for the Compression of Electroencephalogram Signals. Sensors, 2014, 14, 1474-1496.	2.1	40
96	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
97	A local fingerprinting approach for audio copy detection. Signal Processing, 2014, 98, 308-321.	2.1	24
98	Image Similarity Using Sparse Representation and Compression Distance. IEEE Transactions on Multimedia, 2014, 16, 980-987.	5.2	43
99	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
100	Learning sparse models for image quality assessment. , 2014, , .		8
101	Sparse representation-based image quality assessment. Signal Processing: Image Communication, 2014, 29, 1138-1148.	1.8	27
102	Non-convex algorithm for sparse and low-rank recovery: Application to dynamic MRI reconstruction. Magnetic Resonance Imaging, 2013, 31, 448-455.	1.0	35
103	Exploiting rank deficiency for MR image reconstruction from multiple partial K-space scans. , 2013, , .		1
104	A Joint Multimodal Group Analysis Framework for Modeling Corticomuscular Activity. IEEE Transactions on Multimedia, 2013, 15, 1049-1059.	5.2	14
105	Data reduction for wireless seizure detection systems. , 2013, , .		1
106	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
107	Rank Awareness in Group-Sparse Recovery of Multi-Echo MR Images. Sensors, 2013, 13, 3902-3921.	2.1	9
108	Compressed sensing and energy-aware independent component analysis for compression of EEG signals. , 2013, , .		6

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109	Calibrationless Parallel Magnetic Resonance Imaging: A Joint Sparsity Model. Sensors, 2013, 13, 16714-16735.	2.1	10
110	Non-linear sparse and group sparse classifier. , 2013, , .		1
111	Image similarity measurement from sparse reconstruction errors. , 2013, , .		2
112	Using deep stacking network to improve structured compressed sensing with Multiple Measurement Vectors. , 2013, , .		13
113	Analytical modeling of RFID Generation-2 protocol using absorbing Markov chain theorem. , 2012, , .		5
114	Computationally efficient tone-mapping of high-bit-depth video in the YCbCr domain. , 2012, , .		0
115	Wavelet-based gradient transform and its applications. , 2012, , .		1
116	A novel local audio fingerprinting algorithm. , 2012, , .		8
117	A sparse reconstruction based algorithm for image and video classification. , 2012, , .		6
118	A P300-based BCI classification algorithm using median filtering and Bayesian feature extraction. , 2012, , .		0
119	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
120	Novel feature generation and classification for a 2-state Self-paced Brain Computer Interface system. , 2012, , .		2
121	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
122	Automatic artefact removal in a self-paced hybrid brain- computer interface system. Journal of NeuroEngineering and Rehabilitation, 2012, 9, 50.	2.4	25
123	Compressed Sensing Based Real-Time Dynamic MRI Reconstruction. IEEE Transactions on Medical Imaging, 2012, 31, 2253-2266.	5.4	57
124	Calibration-Less Multi-coil MR image reconstruction. Magnetic Resonance Imaging, 2012, 30, 1032-1045.	1.0	71
125	Causal dynamic MRI reconstruction via nuclear norm minimization. Magnetic Resonance Imaging, 2012, 30, 1483-1494.	1.0	19
126	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

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127	Exploiting rank deficiency and transform domain sparsity for MR image reconstruction. Magnetic Resonance Imaging, 2012, 30, 9-18.	1.0	32
128	Nuclear norm-regularized SENSE reconstruction. Magnetic Resonance Imaging, 2012, 30, 213-221.	1.0	14
129	Subjective evaluation of tone-mapping methods on 3D images. , 2011, , .		9
130	Compressed sensing based MR image reconstruction from multiple partial K-space scans. , 2011, , .		2
131	Effect of brightness on the quality of visual 3D perception. , 2011, , .		9
132	Fast matching for video/audio fingerprinting algorithms. , 2011, , .		2
133	Automatic artefact detection in a self-paced brain-computer interface system. , 2011, , .		2
134	Action recognition by learnt class-specific overcomplete dictionaries. , 2011, , .		2
135	Probabilistic Analysis and Correction of Chen's Tag Estimate Method. IEEE Transactions on Automation Science and Engineering, 2011, 8, 659-663.	3.4	21
136	Probabilistic Analysis of Blocking Attack in RFID Systems. IEEE Transactions on Information Forensics and Security, 2011, 6, 803-817.	4.5	20
137	Joint reconstruction of multiecho MR images using correlated sparsity. Magnetic Resonance Imaging, 2011, 29, 899-906.	1.0	44
138	Robust Image Watermarking Based on Multiscale Gradient Direction Quantization. IEEE Transactions on Information Forensics and Security, 2011, 6, 1200-1213.	4.5	111
139	A New Scheme for Robust Gradient Vector Estimation in Color Images. IEEE Transactions on Image Processing, 2011, 20, 2211-2220.	6.0	33
140	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
141	Accelerating multi-echo T2 weighted MR imaging: Analysis prior group-sparse optimization. Journal of Magnetic Resonance, 2011, 210, 90-97.	1.2	45
142	An algorithm for sparse MRI reconstruction by Schatten p-norm minimization. Magnetic Resonance Imaging, 2011, 29, 408-417.	1.0	82
143	A new data hiding method using angle quantization index modulation in gradient domain. , 2011, , .		0
144	Correcting unsynchronized zoom in 3D video. , 2010, , .		3

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145	Improved Group Sparse Classifier. Pattern Recognition Letters, 2010, 31, 1959-1964.	2.6	32
146	Compressed sensing of color images. Signal Processing, 2010, 90, 3122-3127.	2.1	83
147	Visually-favorable tone-mapping with high compression performance. , 2010, , .		5
148	Differential Radon Transform for gait recognition. , 2010, , .		6
149	Color image desaturation using sparse reconstruction. , 2010, , .		11
150	A robust morphological gradient estimator and edge detector for color images. , 2010, , .		2
151	HDR image construction from multi-exposed stereo LDR images. , 2010, , .		31
152	Compressive color imaging with group-sparsity on analysis prior. , 2010, , .		22
153	Non-convex group sparsity: Application to color imaging. , 2010, , .		7
154	Robust Classifiers for Data Reduced via Random Projections. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 1359-1371.	5.5	50
155	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
156	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
157	On-the-fly tone mapping for backward-compatible high dynamic range image/video compression. , 2010, , .		3
158	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
159	A Matrix Completion Approach to Reduce Energy Consumption in Wireless Sensor Networks. , 2010, , .		3
160	Generalized Morphological Component Analysis for EEG source separation and artifact removal. , 2009, , .		12
161	Rapid detection of voluntary movements in a self-paced brain-computer interface via compressive sensing. , 2009, , .		0
162	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

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163	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
164	Simultaneous PVT-tolerant voltage-island formation and core placement for thousand-core platforms. , 2009, , .		2
165	Fast group sparse classification. Canadian Journal of Electrical and Computer Engineering, 2009, 34, 136-144.	1.5	56
166	Efficient motion vector re-estimation for MPEG-2 TO H.264/AVC transcoding with arbitrary down-sizing ratios. , 2009, , .		0
167	Artifact removal in EEG using Morphological Component Analysis. , 2009, , .		24
168	A custom-designed mental task-based brain-computer interface. , 2009, , .		1
169	Video Copy Detection Using Temporally Informative Representative Images. , 2009, , .		25
170	Towards automated image hashing based on the Fast Johnson-Lindenstrauss Transform (FJLT). , 2009, , .		2
171	A region-specific QIM-based watermarking scheme for digital images. , 2009, , .		1
172	Removal-Cost Method: An efficient voltage selection algorithm for multi-core platforms under PVT. , 2009, , .		4
173	Component-wise pose normalization for pose-invariant face recognition. , 2009, , .		14
174	An efficient method for robust gradient estimation of RGB color images. , 2009, , .		4
175	A brain-computer interface based on mental tasks with a zero false activation rate. , 2009, , .		2
176	Image quality monitoring using spread spectrum watermarking. , 2009, , .		12
177	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
178	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
179	Real-time DVB-MHP to Blu-ray system information transcoding. IEEE Transactions on Consumer Electronics, 2008, 54, 639-647.	3.0	1
180	Bit-rate estimation for bit-rate reduction H.264/AVC video transcoding in wireless networks. , 2008, , .		6

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181	On the security of singular value based watermarking. , 2008, , .		2
182	Facial EMG contamination of EEG signals: Characteristics and effects of spatial filtering. , 2008, , .		13
183	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
184	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
185	Evaluating the performance of a self-paced BCI with a new movement and using a more engaging environment. , 2008, 2008, 650-3.		3
186	DVB-MHP iTV to Blu-ray system information transcoding. , 2008, , .		0
187	Comparison of Evaluation Metrics in Classification Applications with Imbalanced Datasets. , 2008, , .		72
188	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
189	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
190	Efficient Chrominance Compensation for MPEG2 to H.264 Transcoding. , 2007, , .		0
191	A Robust Approach for Eye Localization Under Variable Illuminations. Proceedings International Conference on Image Processing, 2007, , .	0.0	2
192	Segmentation of polarimetric SAR data using contour information via spectral graph partitioning. , 2007, , .		8
193	EMG and EOG artifacts in brain computer interface systems: A survey. Clinical Neurophysiology, 2007, 118, 480-494.	0.7	498
194	Effect of eye-blinks on a self-paced brain interface design. Clinical Neurophysiology, 2007, 118, 1639-1647.	0.7	11
195	Fast Image/Video Contrast Enhancement Based on Weighted Thresholded Histogram Equalization. IEEE Transactions on Consumer Electronics, 2007, 53, 757-764.	3.0	344
196	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
197	A Framework for Evaluating Video Transmission over Wireless Ad Hoc Networks. , 2007, , .		7
198	Applying a Hybrid Genetic Algorithm in the Design of a Self-Paced Brain Interface with a Low False Positive Rate. , 2007, , .		1

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199	A New Orientation-Adaptive Interpolation Method. IEEE Transactions on Image Processing, 2007, 16, 889-900.	6.0	155
200	Recent Advances in the Design of a 3-State Self-Paced (Asynchronous) Brain Computer Interface. , 2007, , .		0
201	Efficient DVB-MHP to Blu-Ray System Information Transcoding. , 2007, , .		2
202	Fast RLS Fourier analyzers capable of accommodating frequency mismatch. Signal Processing, 2007, 87, 2197-2212.	2.1	14
203	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
204	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
205	An Efficient Re-quantization Error Compensation for MPEG2 to H.264 Transcoding. , 2006, , .		3
206	Face recognition under pose variations. Journal of the Franklin Institute, 2006, 343, 596-613.	1.9	30
207	User Customization of the Feature Generator of an Asynchronous Brain Interface. Annals of Biomedical Engineering, 2006, 34, 1051-1060.	1.3	23
208	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
209	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
210	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
211	An Efficient MPEG2 to H.264 Half-Pixel Motion Compensation Transcoding. , 2006, , .		2
212	Fast Image/Video Contrast Enhancement Based on WTHE. , 2006, , .		3
213	Solving mathematical problems using knowledge-based systems. Mathematics and Computers in Simulation, 2004, 67, 149-161.	2.4	4
214	Wavelet packets-based digital watermarking for image verification and authentication. Signal Processing, 2003, 83, 2117-2132.	2.1	65
215	Removing the blocking artifacts of block-based DCT compressed images. IEEE Transactions on Image Processing, 2003, 12, 838-842.	6.0	130
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