

Jayanta Mukherjee

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

743
citations

840119

11
h-index

642321

23
g-index

87
all docs

87
docs citations

87
times ranked

605
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of Color Images by Scaling the DCT Coefficients. IEEE Transactions on Image Processing, 2008, 17, 1783-1794.	6.0	208
2	Frontal Gait Recognition From Incomplete Sequences Using RGB-D Camera. IEEE Transactions on Information Forensics and Security, 2014, 9, 1843-1856.	4.5	52
3	A New Two-Pulse Synthesis Model for Digital Volume Pulse Signal Analysis. Cardiovascular Engineering (Dordrecht, Netherlands), 2010, 10, 109-117.	1.0	31
4	A New Image Watermarking Scheme Using Saliency Based Visual Attention Model. , 2009, , .		23
5	A Novel Index to Detect Opencast Coal Mine Areas From Landsat 8 OLI/TIRS. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 891-897.	2.3	22
6	Measurement of Arterial Blood Pressure Through Single-Site Acquisition of Photoplethysmograph Signal. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	2.4	22
7	SKIP Prediction for Fast Rate Distortion Optimization in H.264. IEEE Transactions on Consumer Electronics, 2007, 53, 1153-1160.	3.0	21
8	Information fusion from multiple cameras for gait-based re-identification and recognition. IET Image Processing, 2015, 9, 969-976.	1.4	19
9	Unsupervised Land Cover Classification of Hybrid and Dual-Polarized Images Using Deep Convolutional Neural Network. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 969-973.	1.4	18
10	Effects of emotion on physiological signals. , 2016, , .		15
11	Estimation of echocardiogram parameters with the aid of impedance cardiography and artificial neural networks. Artificial Intelligence in Medicine, 2019, 96, 45-58.	3.8	15
12	Unsupervised classification of land cover using multi-modal data from multi-spectral and hybrid-polarimetric SAR imageries. International Journal of Remote Sensing, 2020, 41, 5277-5304.	1.3	15
13	A survey on image retrieval performance of different bag of visual words indexing techniques. , 2014, , .		14
14	REPRESENTATION OF 2D AND 3D BINARY IMAGES USING MEDIAL CIRCLES AND SPHERES. International Journal of Pattern Recognition and Artificial Intelligence, 1996, 10, 365-387.	0.7	12
15	Way-finding Electronic Bracelet for visually impaired people. , 2013, , .		12
16	Prediction of survival outcome based on clinical features and pretreatment 18FDG-PET/CT for HNSCC patients. Computer Methods and Programs in Biomedicine, 2020, 195, 105669.	2.6	11
17	An evaluation of human perception for neonatal cry using a database of cry and underlying cause. , 2013, , .		10
18	A Novel Technique to Develop Cognitive Models for Ambiguous Image Identification Using Eye Tracker. IEEE Transactions on Affective Computing, 2020, 11, 63-77.	5.7	10

#	ARTICLE	IF	CITATIONS
19	A SDS Based Steganographic Scheme for Reducing Embedding Noise. , 2007, , .		9
20	3D-SIFT feature based brain atlas generation: An application to early diagnosis of Alzheimer's disease. , 2014, , .		9
21	Investigation of Seasonal Separation in Mine and Non Mine Water Bodies Using Local Feature Analysis of Landsat 8 OLI/TIRS Images. , 2018, , .		9
22	Automated Seasonal Separation of Mine and Non Mine Water Bodies From Landsat 8 OLI/TIRS Using Clay Mineral and Iron Oxide Ratio. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 2550-2556.	2.3	9
23	Affect detection in normal groups with the help of biological markers. , 2015, , .		8
24	Automated detection of newborn sleep apnea using video monitoring system. , 2015, , .		8
25	Toward Automated Land Cover Classification in Landsat Images Using Spectral Slopes at Different Bands. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2017, 10, 1096-1104.	2.3	8
26	A data-driven approach for clustering scatter values in hybrid-polarimetric SAR images. International Journal of Remote Sensing, 2019, 40, 4264-4289.	1.3	8
27	Stamp and logo detection from document images by finding outliers. , 2015, , .		7
28	Spectral slopes for automated classification of land cover in landsat images. , 2016, , .		7
29	Automated Seasonal Detection of Coal Surface Mine Regions from Landsat 8 OLI Images. , 2019, , .		7
30	Image Denoising by Scaled Bilateral Filtering. , 2011, , .		6
31	Block DCT to wavelet transcoding in transform domain. Signal, Image and Video Processing, 2012, 6, 179-195.	1.7	6
32	An efficient SMS-based framework for public health surveillance. , 2013, , .		6
33	A novel floor segmentation algorithm for mobile robot navigation. , 2015, , .		6
34	Resizing of images in the dct space by arbitrary factors. , 0, , .		5
35	Color enhancement in the compressed domain. , 2008, , .		5
36	An embedded system for automatic classification of neonatal cry. , 2013, , .		5

#	ARTICLE	IF	CITATIONS
37	Semi-supervised Classification of Paddy Fields from Dual Polarized Synthetic Aperture Radar (SAR) images using Deep Learning. International Journal of Remote Sensing, 2021, 42, 1867-1892.	1.3	5
38	Color constancy in the compressed domain. , 2009, , .		4
39	Isolating neighbor's contribution towards image filtering in the block DCT space. , 2010, , .		4
40	SKEW CORRECTION OF DOCUMENT IMAGES BY RANK ANALYSIS IN FAREY SEQUENCE. International Journal of Pattern Recognition and Artificial Intelligence, 2013, 27, 1353004.	0.7	4
41	Study of variation of pelvis positioning for patients suffering from rectal cancer using daily kilo-voltage cone beam CT images. , 2015, , .		4
42	Consensus-based clustering for document image segmentation. International Journal on Document Analysis and Recognition, 2016, 19, 351-368.	2.7	4
43	Telemedicine for Leprosy. IETE Technical Review (Institution of Electronics and Telecommunication) Tj ETQq1 1 0.784314 rgBT /Overlo 2.1 3		3
44	A spatial domain steganographic scheme for reducing embedding noise. , 2008, , .		3
45	Summarization of Neonatal Video EEG for Seizure and Artifact Detection. , 2011, , .		3
46	An efficient model-guided framework for alignment of brain MR image sequences. , 2012, , .		3
47	Removal of hand-drawn annotation lines from document images by digital-geometric analysis and inpainting. , 2013, , .		3
48	An Integrated Repainting System for Digital Restoration of Vijayanagara Murals. International Journal of Image and Graphics, 2016, 16, 1650005.	1.2	3
49	Image resizing in the compressed domain. , 2017, , .		3
50	Seasonal detection of coal overburden dump regions in unsupervised manner using landsat 8 OLI/TIRS images at jharia coal fields. Multimedia Tools and Applications, 0, , 1.	2.6	3
51	A Fast Arbitrary Down-Sizing Algorithm for Video Transcoding. , 2006, , .		2
52	PDA Based Telemedicine System in a Web Based Environment. , 2007, , .		2
53	Assessment of vascular health using photoplethysmograph and a Two-Pulse synthesis model for patients under hemodialysis with End Stage Renal Disease. , 2013, , .		2
54	A spectral filtering based deep learning for detection of logo and stamp. , 2015, , .		2

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55	Low-complexity feedback-channel-free distributed video coding using local rank transform. IET Image Processing, 2017, 11, 126-134.	1.4	2
56	Semi-supervised Classification of Land Cover in Multi-spectral Images Using Spectral Slopes. , 2017, , .		2
57	A Comparative Study of Margin Noise Removal Algorithms on MarNR: A Margin Noise Dataset of Document Images. , 2017, , .		2
58	Segmentation of Lung Tumor in Cone Beam CT Images Based on Level-Sets. , 2018, , .		2
59	Improving the readability of dyslexic learners with mobile game-based sight-word training. , 2020, , .		2
60	Automated Detection of Mine Water Bodies Using Landsat 8 OLI/TIRS in Jharia. Communications in Computer and Information Science, 2020, , 480-489.	0.4	2
61	Automated Coastline Detection from Landsat 8 Oli/Tirs Images with the Presence of Inland Water Bodies in Andaman. , 2020, , .		2
62	Non-invasive cuffless blood pressure and heart rate monitoring using impedance cardiography. Intelligent Medicine, 2022, 2, 199-208.	1.6	2
63	Spatial Desynchronization: A Possible Way to Resist Calibration Attack. , 2009, , .		1
64	Psychovisual saliency in color images. , 2013, , .		1
65	COSPEDTree-II: Improved couplet based phylogenetic supertree. , 2016, , .		1
66	Removal of Gray Rubber Stamps. , 2016, , .		1
67	IDXL: Species Tree Inference Using Internode Distance and Excess Gene Leaf Count. Journal of Molecular Evolution, 2017, 85, 57-78.	0.8	1
68	Filtering and enhancement of color images in the block DCT domain. , 2017, , .		1
69	5-DoF monocular visual localization over grid based floor. , 2017, , .		1
70	Fast Path planning on planar occupancy grid exploiting geometry of obstacles. , 2017, , .		1
71	Video Based Person Re-Identification by Re-Ranking Attentive Temporal Information in Deep Recurrent Convolutional Networks. , 2018, , .		1
72	BIOINTMED: integrated biomedical knowledge base with ontologies and clinical trials. Medical and Biological Engineering and Computing, 2020, 58, 2339-2354.	1.6	1

#	ARTICLE	IF	CITATIONS
73	Building Cluster-Class Association for Detecting paddy fields under Semi-Supervised deep learning framework. , 2021, , .		1
74	Design and Development of a Medical Image Databank for Assisting Studies in Radiomics. Journal of Digital Imaging, 2022, 35, 408-423.	1.6	1
75	Performance comparison of a distributed source coding scheme using Log-MAP and SOVA decoder in an AWGN channel. , 2008, , .		0
76	On the suitability of a Two-Pulse Synthesis model for photoplethysmograph signal analysis in Public cardiac care program. , 2010, , .		0
77	Suitable features for visual saliency computation in monochrome images. , 2011, , .		0
78	Keynote address: Exciting moments of research: Revisiting a few problems on image processing. , 2011, , .		0
79	VIMARSHAK – A Web Based Subjective Image Evaluation System. , 2014, , .		0
80	Multimodal image registration of lung images. , 2015, , .		0
81	A Novel Rough Set based Technique for Character Spotting on Inscription Images. , 2017, , .		0
82	Efficient computation of cross-sections from human brain model by geometric processing. Journal of Real-Time Image Processing, 2018, 15, 421-434.	2.2	0
83	Monocular Vision based Topological Map Generation in Real-time. , 2018, , .		0
84	Nonseparable Filters for Images in the Block DCT Domain. , 2018, , .		0
85	Deformity Index: A Semi-Reference Clade-Based Quality Metric of Phylogenetic Trees. Journal of Molecular Evolution, 2021, 89, 302-312.	0.8	0
86	Taxonomy classification using genomic footprint of mitochondrial sequences. Combinatorial Chemistry and High Throughput Screening, 2021, 24, .	0.6	0
87	A Study of Detecting Coal Seam Fires by Removing Other High Temperature Locations from Landsat 8 Oli/Tirs Images. , 2020, , .		0