Santanu Chaudhury

List of Publications by Year
in descending order

66 papers	454 citations	1307366 7 h-index	996849 15 g-index
68 all docs	68 docs citations	68 times ranked	367 citing authors

#	Article	IF	Citations
1	Devnagari numeral recognition by combining decision of multiple connectionist classifiers. Sadhana - Academy Proceedings in Engineering Sciences, 2002, 27, 59-72.	0.8	110
2	Optimal sensor placement for surveillance of large spaces. , 2009, , .		33
3	Efficient Skin Region Segmentation Using Low Complexity Fuzzy Decision Tree Model. , 2009, , .		31
4	An Ontology Based Personalized Garment Recommendation System. , 2013, , .		18
5	Assessing the correlation of genotypic and phenotypic responses of indica rice varieties under drought stress. Plant Physiology and Biochemistry, 2018, 127, 343-354.	2.8	16
6	Deep transfer learning with ontology for image classification. , 2015, , .		15
7	Deep Convolutional Neural Networks Based Framework for Estimation of Stomata Density and Structure from Microscopic Images. Lecture Notes in Computer Science, 2019, , 412-423.	1.0	14
8	Parametric Video Compression Scheme Using AR Based Texture Synthesis. , 2008, , .		13
9	Improving Collaborative Filtering Based Recommenders Using Topic Modelling. , 2014, , .		13
10	Video‒based road traffic monitoring and prediction using dynamic Bayesian networks. IET Intelligent Transport Systems, 2018, 12, 169-176.	1.7	12
11	Smart Water Management: An Ontology-Driven Context-Aware IoT Application. Lecture Notes in Computer Science, 2017, , 639-646.	1.0	12
12	Ontology based context aware situation tracking. , 2015, , .		10
13	Video analytics revisited. IET Computer Vision, 2016, 10, 237-249.	1.3	10
14	Hybrid 3DCNN-RBM Network for Gas Mixture Concentration Estimation With Sensor Array. IEEE Sensors Journal, 2021, 21, 24263-24273.	2.4	9
15	DFTNet: Deep Fish Tracker With Attention Mechanism in Unconstrained Marine Environments. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-13.	2.4	9
16	An ontology-driven context aware framework for smart traffic monitoring. , 2017, , .		8
17	A Novel Learning-Based Framework for Detecting Interesting Events in Soccer Videos. , 2008, , .		7
18	MATCHING OF STRUCTURAL SHAPE DESCRIPTIONS WITH HOPFIELD NET. International Journal of Pattern Recognition and Artificial Intelligence, 1993, 07, 377-404.	0.7	6

#	ARTICLE	IF	CITATIONS
19	Multi-modal Information Integration for Document Retrieval. , 2013, , .		6
20	A Robust Online Signature Based Cryptosystem. , 2014, , .		6
21	Deep learning based frameworks for image super-resolution and noise-resilient super-resolution. , 2017, , .		6
22	Multiple view 3-D reconstruction in water. , 2015, , .		5
23	Automatic Selection of Parameters for Document Image Enhancement Using Image Quality Assessment. , 2016, , .		5
24	Automatic Quantification of Stomata for High-Throughput Plant Phenotyping. , 2018, , .		5
25	DriveBFR: Driver Behavior and Fuel-Efficiency-Based Recommendation System. IEEE Transactions on Computational Social Systems, 2022, 9, 1446-1455.	3.2	5
26	Improved geometric feature graph: a script independent representation of word images for compression, and retrieval. , 2005, , .		4
27	Kinect-Variety Fusion: A Novel Hybrid Approach for Artifacts-Free 3DTV Content Generation. , 2014, , .		4
28	A hypothesize-and-verify framework for text recognition using deep recurrent neural networks. , 2015, , .		4
29	OCR for bilingual documents using language modeling. , 2015, , .		4
30	Phenotyping of xylem vessels for drought stress analysis in rice. , 2017, , .		4
31	Space-Time Super-Resolution Using Deep Learning Based Framework. Lecture Notes in Computer Science, 2017, , 582-590.	1.0	4
32	Ontology guided access to document images. , 2005, , .		3
33	Greedy Search for Active Learning of OCR. , 2013, , .		3
34	Image super resolution using distributed locality sensitive hashing for manifold learning. Multimedia Tools and Applications, 2019, 78, 25673-25684.	2.6	3
35	Content Based Re-ranking Scheme for Video Queries on the Web. , 2007, , .		2
36	Online Improved Eigen Tracking. , 2009, , .		2

#	Article	IF	Citations
37	Document Image Retrieval Using Feature Combination in Kernel Space. , 2010, , .		2
38	Design of Multi-kernel Distance Based Hashing with Multiple Objectives for Image Indexing. , 2014, , .		2
39	Use of leaf colour for drought stress analysis in rice. , 2015, , .		2
40	Automated conversion of 2D to 3D image using manifold learning. , 2015, , .		2
41	Document indexing framework for retrieval of degraded document images. , 2015, , .		2
42	Novel relative relevance score for estimating brain connectivity from fMRI data using an explainable neural network approach. Journal of Neuroscience Methods, 2019, 326, 108371.	1.3	2
43	Temporal Causal Modelling on Large Volume Enterprise Data. IEEE Transactions on Big Data, 2021, , 1-1.	4.4	2
44	AN ABDUCTIVE REASONING BASED IMAGE INTERPRETATION SYSTEM. International Journal of Pattern Recognition and Artificial Intelligence, 1996, 10, 613-641.	0.7	1
45	Texture mapping based video compression scheme. , 2010, , .		1
46	Camera and Light Source Placement: A Multi-Objective Approach. , 2011, , .		1
47	A Compression Scheme for Handwritten Patterns Based on Curve Fitting. , 2011, , .		1
48	High quality depth map estimation by kinect upsampling and hole filling using RGB features and mutual information. , 2013, , .		1
49	Off-line skilled forgery detection on handwritten Devanagri script. , 2013, , .		1
50	Detecting and Correlating Video-Based Event Patterns: An Ontology Driven Approach. , 2014, , .		1
51	Exploring Bio-inspired Self-Organization for Developing Emergent Intelligence in Urban Super Organism. , 2014, , .		1
52	Mining Multimodal Data. , 2017, , 581-604.		1
53	Environment Monitoring System for Smart Cities Using Ontology. Lecture Notes in Intelligent Transportation and Infrastructure, 2019, , 44-56.	0.3	1
54	Extraction of Phenotypic Traits for Drought Stress Study Using Hyperspectral Images. Lecture Notes in Computer Science, 2017, , 608-614.	1.0	1

#	Article	IF	Citations
55	A Framework for Image Interpretation in a Distributed Problem Solving Environment. IETE Journal of Research, 1991, 37, 466-477.	1.8	0
56	A Hypothesize and Test Technique for Corner Detection. IETE Journal of Research, 1991, 37, 478-484.	1.8	0
57	A Query Based Learning Algorithm for Modelling Robot Manipulator Dynamics using Network Inversion. IETE Journal of Research, 1996, 42, 255-260.	1.8	0
58	A Multimedia Data Model. IETE Journal of Research, 1999, 45, 283-291.	1.8	0
59	ImAge: an extensible agent-based architecture for image retrieval. International Journal on Digital Libraries, 2000, 2, 236-250.	1.1	0
60	A New Look at Books: E-books. IETE Technical Review (Institution of Electronics and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (Telec	2.1	0
61	Smart space construction: Integration of robots in a visual sensor network. , 2013, , .		0
62	A novel variety-based 3DTV content generation scheme for casually captured sparse photo collections. , 2013, , .		0
63	Sparse representation based classifier to assess video quality. , 2015, , .		0
64	Incremental Learning of Non-stationary Temporal Causal Networks for Telecommunication Domain. Lecture Notes in Computer Science, 2017, , 501-508.	1.0	0
65	Soft-Computing for Computational Media Aesthetics: Analyzing Video Content for Meaning. Series in Machine Perception and Artificial Intelligence, 2002, , 191-214.	0.1	0
66	Content Based Re-ranking Scheme for Video Queries on the Web. , 2007, , .		0