

# Santanu Chaudhury

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

57  
papers

272  
citations

8  
h-index

13  
g-index

68  
ext. papers

342  
ext. citations

1.7  
avg, IF

3.22  
L-index

#	Paper	IF	Citations
57	Devnagari numeral recognition by combining decision of multiple connectionist classifiers. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2002</b> , 27, 59-72	1	66
56	Optimal sensor placement for surveillance of large spaces <b>2009</b> ,		25
55	Efficient Skin Region Segmentation Using Low Complexity Fuzzy Decision Tree Model <b>2009</b> ,		20
54	An Ontology Based Personalized Garment Recommendation System <b>2013</b> ,		10
53	Video-based road traffic monitoring and prediction using dynamic Bayesian networks. <i>IET Intelligent Transport Systems</i> , <b>2018</b> , 12, 169-176	2.4	9
52	Video analytics revisited. <i>IET Computer Vision</i> , <b>2016</b> , 10, 237-249	1.4	9
51	Deep transfer learning with ontology for image classification <b>2015</b> ,		8
50	Ontology based context aware situation tracking <b>2015</b> ,		8
49	Assessing the correlation of genotypic and phenotypic responses of indica rice varieties under drought stress. <i>Plant Physiology and Biochemistry</i> , <b>2018</b> , 127, 343-354	5.4	7
48	Improving Collaborative Filtering Based Recommenders Using Topic Modelling <b>2014</b> ,		7
47	An ontology-driven context aware framework for smart traffic monitoring <b>2017</b> ,		6
46	Deep Convolutional Neural Networks Based Framework for Estimation of Stomata Density and Structure from Microscopic Images. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 412-423	0.9	6
45	A Robust Online Signature Based Cryptosystem <b>2014</b> ,		6
44	MATCHING OF STRUCTURAL SHAPE DESCRIPTIONS WITH HOPFIELD NET. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , <b>1993</b> , 07, 377-404	1.1	6
43	Deep learning based frameworks for image super-resolution and noise-resilient super-resolution <b>2017</b> ,		5
42	A Novel Learning-Based Framework for Detecting Interesting Events in Soccer Videos <b>2008</b> ,		5
41	Parametric Video Compression Scheme Using AR Based Texture Synthesis <b>2008</b> ,		5

40	Smart Water Management: An Ontology-Driven Context-Aware IoT Application. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 639-646	0.9	5
39	Automatic Selection of Parameters for Document Image Enhancement Using Image Quality Assessment <b>2016</b> ,		4
38	Phenotyping of xylem vessels for drought stress analysis in rice <b>2017</b> ,		4
37	A hypothesize-and-verify framework for text recognition using deep recurrent neural networks <b>2015</b> ,		4
36	OCR for bilingual documents using language modeling <b>2015</b> ,		4
35	Kinect-Variety Fusion: A Novel Hybrid Approach for Artifacts-Free 3DTV Content Generation <b>2014</b> ,		4
34	Multiple view 3-D reconstruction in water <b>2015</b> ,		3
33	Multimedia Ontology		3
32	Space-Time Super-Resolution Using Deep Learning Based Framework. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 582-590	0.9	3
31	DFTNet: Deep Fish Tracker With Attention Mechanism in Unconstrained Marine Environments. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2021</b> , 70, 1-13	5.2	3
30	Greedy Search for Active Learning of OCR <b>2013</b> ,		2
29	Automated conversion of 2D to 3D image using manifold learning <b>2015</b> ,		2
28	Document indexing framework for retrieval of degraded document images <b>2015</b> ,		2
27	Design of Multi-kernel Distance Based Hashing with Multiple Objectives for Image Indexing <b>2014</b> ,		2
26	Multi-modal Information Integration for Document Retrieval <b>2013</b> ,		2
25	Document Image Retrieval Using Feature Combination in Kernel Space <b>2010</b> ,		2
24	Improved geometric feature graph: a script independent representation of word images for compression, and retrieval <b>2005</b> ,		2
23	Automatic Quantification of Stomata for High-Throughput Plant Phenotyping <b>2018</b> ,		2

22	Image super resolution using distributed locality sensitive hashing for manifold learning. <i>Multimedia Tools and Applications</i> , <b>2019</b> , 78, 25673-25684	2.5	1
21	Novel relative relevance score for estimating brain connectivity from fMRI data using an explainable neural network approach. <i>Journal of Neuroscience Methods</i> , <b>2019</b> , 326, 108371	3	1
20	High quality depth map estimation by kinect upsampling and hole filling using RGB features and mutual information <b>2013</b> ,		1
19	Detecting and Correlating Video-Based Event Patterns: An Ontology Driven Approach <b>2014</b> ,		1
18	A Compression Scheme for Handwritten Patterns Based on Curve Fitting <b>2011</b> ,		1
17	Content Based Re-ranking Scheme for Video Queries on the Web <b>2007</b> ,		1
16	Ontology guided access to document images <b>2005</b> ,		1
15	Environment Monitoring System for Smart Cities Using Ontology. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , <b>2019</b> , 44-56	0.3	1
14	Hybrid 3DCNN-RBM Network for Gas Mixture Concentration Estimation with Sensor Array. <i>IEEE Sensors Journal</i> , <b>2021</b> , 1-1	4	1
13	Mining Multimodal Data <b>2017</b> , 581-604		0
12	Extraction of Phenotypic Traits for Drought Stress Study Using Hyperspectral Images. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 608-614	0.9	0
11	DriveBFR: Driver Behavior and Fuel Efficiency-Based Recommendation System. <i>IEEE Transactions on Computational Social Systems</i> , <b>2021</b> , 1-10	4.5	0
10	Temporal Causal Modelling on Large Volume Enterprise Data. <i>IEEE Transactions on Big Data</i> , <b>2021</b> , 1-1	3.2	0
9	Incremental Learning of Non-stationary Temporal Causal Networks for Telecommunication Domain. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 501-508	0.9	
8	ImAge: an extensible agent-based architecture for image retrieval. <i>International Journal on Digital Libraries</i> , <b>2000</b> , 2, 236-250	1.4	
7	A New Look at Books: E-books. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , <b>2001</b> , 18, 343-352	1.5	
6	A Multimedia Data Model. <i>IETE Journal of Research</i> , <b>1999</b> , 45, 283-291	0.9	
5	A Query Based Learning Algorithm for Modelling Robot Manipulator Dynamics using Network Inversion. <i>IETE Journal of Research</i> , <b>1996</b> , 42, 255-260	0.9	

- 4 AN ABDUCTIVE REASONING BASED IMAGE INTERPRETATION SYSTEM. *International Journal of Pattern Recognition and Artificial Intelligence*, **1996**, 10, 613-641 1.1
- 3 A Framework for Image Interpretation in a Distributed Problem Solving Environment. *IETE Journal of Research*, **1991**, 37, 466-477 0.9
- 2 A Hypothesize and Test Technique for Corner Detection. *IETE Journal of Research*, **1991**, 37, 478-484 0.9
- 1 Soft-Computing for Computational Media Aesthetics: Analyzing Video Content for Meaning. *Series in Machine Perception and Artificial Intelligence*, **2002**, 191-214 0.3