

Santanu Chaudhury

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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	DriveBFR: Driver Behavior and Fuel Efficiency-Based Recommendation System. <i>IEEE Transactions on Computational Social Systems</i> , 2021 , 1-10	4.5	0
56	Temporal Causal Modelling on Large Volume Enterprise Data. <i>IEEE Transactions on Big Data</i> , 2021 , 1-1	3.2	0
55	Hybrid 3DCNN-RBM Network for Gas Mixture Concentration Estimation with Sensor Array. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	1
54	DFTNet: Deep Fish Tracker With Attention Mechanism in Unconstrained Marine Environments. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-13	5.2	3
53	Deep Convolutional Neural Networks Based Framework for Estimation of Stomata Density and Structure from Microscopic Images. <i>Lecture Notes in Computer Science</i> , 2019 , 412-423	0.9	6
52	Image super resolution using distributed locality sensitive hashing for manifold learning. <i>Multimedia Tools and Applications</i> , 2019 , 78, 25673-25684	2.5	1
51	Novel relative relevance score for estimating brain connectivity from fMRI data using an explainable neural network approach. <i>Journal of Neuroscience Methods</i> , 2019 , 326, 108371	3	1
50	Environment Monitoring System for Smart Cities Using Ontology. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2019 , 44-56	0.3	1
49	Assessing the correlation of genotypic and phenotypic responses of indica rice varieties under drought stress. <i>Plant Physiology and Biochemistry</i> , 2018 , 127, 343-354	5.4	7
48	Video-based road traffic monitoring and prediction using dynamic Bayesian networks. <i>IET Intelligent Transport Systems</i> , 2018 , 12, 169-176	2.4	9
47	Automatic Quantification of Stomata for High-Throughput Plant Phenotyping 2018 ,		2
46	Mining Multimodal Data 2017 , 581-604		0
45	An ontology-driven context aware framework for smart traffic monitoring 2017 ,		6
44	Phenotyping of xylem vessels for drought stress analysis in rice 2017 ,		4
43	Incremental Learning of Non-stationary Temporal Causal Networks for Telecommunication Domain. <i>Lecture Notes in Computer Science</i> , 2017 , 501-508	0.9	
42	Deep learning based frameworks for image super-resolution and noise-resilient super-resolution 2017 ,		5
41	Smart Water Management: An Ontology-Driven Context-Aware IoT Application. <i>Lecture Notes in Computer Science</i> , 2017 , 639-646	0.9	5

40	Extraction of Phenotypic Traits for Drought Stress Study Using Hyperspectral Images. <i>Lecture Notes in Computer Science</i> , 2017 , 608-614	0.9	0
39	Space-Time Super-Resolution Using Deep Learning Based Framework. <i>Lecture Notes in Computer Science</i> , 2017 , 582-590	0.9	3
38	Automatic Selection of Parameters for Document Image Enhancement Using Image Quality Assessment 2016 ,		4
37	Video analytics revisited. <i>IET Computer Vision</i> , 2016 , 10, 237-249	1.4	9
36	Automated conversion of 2D to 3D image using manifold learning 2015 ,		2
35	Deep transfer learning with ontology for image classification 2015 ,		8
34	Multiple view 3-D reconstruction in water 2015 ,		3
33	A hypothesize-and-verify framework for text recognition using deep recurrent neural networks 2015 ,		4
32	OCR for bilingual documents using language modeling 2015 ,		4
31	Document indexing framework for retrieval of degraded document images 2015 ,		2
30	Ontology based context aware situation tracking 2015 ,		8
29	Detecting and Correlating Video-Based Event Patterns: An Ontology Driven Approach 2014 ,		1
28	A Robust Online Signature Based Cryptosystem 2014 ,		6
27	Design of Multi-kernel Distance Based Hashing with Multiple Objectives for Image Indexing 2014 ,		2
26	Kinect-Variety Fusion: A Novel Hybrid Approach for Artifacts-Free 3DTV Content Generation 2014 ,		4
25	Improving Collaborative Filtering Based Recommenders Using Topic Modelling 2014 ,		7
24	An Ontology Based Personalized Garment Recommendation System 2013 ,		10
23	High quality depth map estimation by kinect upsampling and hole filling using RGB features and mutual information 2013 ,		1

22	Greedy Search for Active Learning of OCR 2013 ,	2
21	Multi-modal Information Integration for Document Retrieval 2013 ,	2
20	A Compression Scheme for Handwritten Patterns Based on Curve Fitting 2011 ,	1
19	Document Image Retrieval Using Feature Combination in Kernel Space 2010 ,	2
18	Optimal sensor placement for surveillance of large spaces 2009 ,	25
17	Efficient Skin Region Segmentation Using Low Complexity Fuzzy Decision Tree Model 2009 ,	20
16	A Novel Learning-Based Framework for Detecting Interesting Events in Soccer Videos 2008 ,	5
15	Parametric Video Compression Scheme Using AR Based Texture Synthesis 2008 ,	5
14	Content Based Re-ranking Scheme for Video Queries on the Web 2007 ,	1
13	Ontology guided access to document images 2005 ,	1
12	Improved geometric feature graph: a script independent representation of word images for compression, and retrieval 2005 ,	2
11	Devnagari numeral recognition by combining decision of multiple connectionist classifiers. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2002 , 27, 59-72	1 66
10	Soft-Computing for Computational Media Aesthetics: Analyzing Video Content for Meaning. <i>Series in Machine Perception and Artificial Intelligence</i> , 2002 , 191-214	0.3
9	A New Look at Books: E-books. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , 2001 , 18, 343-352	1.5
8	ImAge: an extensible agent-based architecture for image retrieval. <i>International Journal on Digital Libraries</i> , 2000 , 2, 236-250	1.4
7	A Multimedia Data Model. <i>IETE Journal of Research</i> , 1999 , 45, 283-291	0.9
6	A Query Based Learning Algorithm for Modelling Robot Manipulator Dynamics using Network Inversion. <i>IETE Journal of Research</i> , 1996 , 42, 255-260	0.9
5	AN ABDUCTIVE REASONING BASED IMAGE INTERPRETATION SYSTEM. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 1996 , 10, 613-641	1.1

4	MATCHING OF STRUCTURAL SHAPE DESCRIPTIONS WITH HOPFIELD NET. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 1993 , 07, 377-404	1.1	6
3	A Framework for Image Interpretation in a Distributed Problem Solving Environment. <i>IETE Journal of Research</i> , 1991 , 37, 466-477	0.9	
2	A Hypothesize and Test Technique for Corner Detection. <i>IETE Journal of Research</i> , 1991 , 37, 478-484	0.9	
1	Multimedia Ontology		3