Arun Agarwal

List of Publications by Year
in descending order

49 papers	737 citations	1039880 9 h-index	552653 26 g-index
53 all docs	53 docs citations	53 times ranked	648 citing authors

#	ARTICLE	IF	CITATIONS
1	Recurrent neural network and a hybrid model for prediction of stock returns. Expert Systems With Applications, 2015, 42, 3234-3241.	4.4	347
2	The anatomy of big data computing. Software - Practice and Experience, 2016, 46, 79-105.	2.5	125
3	Stock market prediction and Portfolio selection models: a survey. Opsearch, 2017, 54, 558-579.	1.1	45
4	A knowledge-based segmentation algorithm for enhanced recognition of handwritten courtesy amounts. Pattern Recognition, 1999, 32, 305-316.	5.1	20
5	Dynamic classification of ballistic missiles using neural networks and hidden Markov models. Applied Soft Computing Journal, 2014, 19, 280-289.	4.1	16
6	XHAMI - extended HDFS and MapReduce interface for Big Data image processing applications in cloud computing environments. Software - Practice and Experience, 2017, 47, 455-472.	2.5	15
7	Towards Improving the Accuracy of Telugu OCR Systems. , 2011, , .		13
8	Detection of courtesy amount block on bank checks. Journal of Electronic Imaging, 1996, 5, 214.	0.5	12
9	Dynamic ROI Extraction Algorithm for Palmprints. Lecture Notes in Computer Science, 2012, , 217-227.	1.0	11
10	A two phased service oriented Broker for replica selection in data grids. Future Generation Computer Systems, 2013, 29, 953-972.	4.9	10
11	A Structure Based Approach for Mathematical Expression Retrieval. Lecture Notes in Computer Science, 2012, , 23-34.	1.0	9
12	Genetic Algorithm Based Data-Aware Group Scheduling for Big Data Clouds. , 2014, , .		8
13	Online Touchless Palmprint Registration System in a Dynamic Environment. Procedia Computer Science, 2015, 54, 799-808.	1.2	8
14	A string matching based algorithm for performance evaluation of mathematical expression recognition. Sadhana - Academy Proceedings in Engineering Sciences, 2014, 39, 63-79.	0.8	7
15	Design of a Structured Fine-Grained Access Control Mechanism for Authorizing Grid Resources. , 2008, , .		6
16	A methodology for high availability of data for business continuity planning / disaster recovery in a grid using replication in a distributed database. , 2008, , .		6
17	Palmprint identification and verification based on wide principal lines through dynamic ROI. International Journal of Biometrics, 2015, 7, 1.	0.3	6
18	Grid Authorization Graph. Future Generation Computer Systems, 2013, 29, 1909-1918.	4.9	5

#	Article	IF	Citations
19	A Rule-Based Approach to Form Mathematical Symbols in Printed Mathematical Expressions. Lecture Notes in Computer Science, 2011, , 181-192.	1.0	5
20	New Efficient Tree-Building Algorithms for Creating HCM Decision Tree in a Grid Authorization System. , 2010, , .		4
21	Thermal to Visual Face Recognition using Transfer Learning. , 2019, , .		4
22	Printed Text Characterization for Identifying Print Technology Using Expectation Maximization Algorithm. Lecture Notes in Computer Science, 2011, , 201-212.	1.0	4
23	Advance Planning and Reservation in a Grid System. Communications in Computer and Information Science, 2012, , 161-173.	0.4	4
24	Hand Gesture Segmentation from Complex Color-Texture Background Image. Lecture Notes in Computer Science, 2013, , 281-292.	1.0	4
25	A Rough Set based PCM for authorizing grid resources. , 2010, , .		3
26	On performance analysis of end-to-end OCR systems of Indic scripts. , 2012, , .		3
27	Statistical Learning for Texture Characterization. , 2014, , .		3
28	XHAMI -- Extended HDFS and MapReduce Interface for Image Processing Applications. , 2015, , .		3
29	Automatic Gap Identification towards Efficient Contour Line Reconstruction in Topographic Maps. , 2009, , .		2
30	Contour layer extraction from colour topographic map by feature selection approach. , 2011, , .		2
31	Palmprint identification based on wide principal lines. , 2012, , .		2
32	Portfolio selection using Maximum-entropy gain loss spread model: A GA based approach. , 2014, , .		2
33	Image Processing Tool for FAE Cloud Dynamics. Lecture Notes in Computer Science, 2014, , 69-80.	1.0	2
34	Isolated structural error analysis of printed mathematical expressions. Pattern Analysis and Applications, 2018, 21, 1097-1107.	3.1	2
35	Multi-Faceted Hierarchical Image Segmentation Taxonomy (MFHIST). IEEE Access, 2021, 9, 33543-33556.	2.6	2
36	Seamless Provision of Cloud Services Using Peer-to-Peer (P2P) Architecture. Lecture Notes in Computer Science, 2012, , 257-258.	1.0	2

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37	Concurrent HCM for Authorizing Grid Resources. Lecture Notes in Computer Science, 2012, , 255-256.	1.0	2
38	Understanding paper documents. Sadhana - Academy Proceedings in Engineering Sciences, 1993, 18, 189-208.	0.8	1
39	Gaussian Variogram Model for Printing Technology Identification. , 2009, , .		1
40	Color and Texture Image Segmentation. Lecture Notes in Computer Science, 2012, , 69-80.	1.0	1
41	A novel method for training and classification of ballistic and quasi-ballistic missiles in real-time. , 2013, , .		1
42	A soft approach for feature selection and recognition of outdoor natural images. , 2013, , .		1
43	Spatial Anisotropic Interpolation Approach for Text Removal from an Image. Lecture Notes in Computer Science, 2013, , 153-164.	1.0	1
44	A Scalable Spatial Anisotropic Interpolation Approach for Object Removal from Images Using Elastic Net Regularization. Lecture Notes in Computer Science, 2016, , 126-140.	1.0	1
45	Parallel Preprocessing Algorithms for Document Image Analysis. IETE Journal of Research, 1996, 42, 165-173.	1.8	0
46	iGEON: Networking the Indian geosciences community through GEON. , 0, , 332-341.		0
47	A Hierarchical Learning Approach for Finding Multiple Vehicle Number Plate Under Cluttered Background. Lecture Notes in Computer Science, 2016, , 87-98.	1.0	0
48	Special issue on cloud computing for scientific and business needs. CSI Transactions on ICT, 2017, 5, 339-339.	0.7	0
49	Design of Neuro-fuzzy Controller Based on Dynamic Weights Updating. Lecture Notes in Computer Science, 2004, , 58-67.	1.0	0