

Deepti Mehrotra

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.

116
papers

616
citations

12
h-index

20
g-index

147
ext. papers

801
ext. citations

1.5
avg, IF

4.46
L-index

#	Paper	IF	Citations
116	A comparative review of approaches to prevent premature convergence in GA. <i>Applied Soft Computing Journal</i> , 2014 , 24, 1047-1077	7.5	130
115	Comparative review of selection techniques in genetic algorithm 2015 ,		55
114	Usability evaluation of website using combined weighted method: fuzzy AHP and entropy approach. <i>International Journal of Systems Assurance Engineering and Management</i> , 2016 , 7, 408-417	1.3	21
113	Rank University Websites Using Fuzzy AHP and Fuzzy TOPSIS Approach on Usability. <i>International Journal of Information Engineering and Electronic Business</i> , 2015 , 7, 29-36	1.7	19
112	Evaluation of smartphones in Indian market using EDAS. <i>Procedia Computer Science</i> , 2018 , 132, 236-243	1.6	18
111	Grammar induction using bit masking oriented genetic algorithm and comparative analysis. <i>Applied Soft Computing Journal</i> , 2016 , 38, 453-468	7.5	17
110	Issues in Achieving Complete Interoperability while Sharing Electronic Health Records. <i>Procedia Computer Science</i> , 2016 , 78, 192-198	1.6	17
109	An IOT by information retrieval approach: Smart lights controlled using WiFi 2016 ,		14
108	Vibrational Dynamics and Heat Capacity of Poly(L-lysine). <i>Polymer Journal</i> , 1997 , 29, 914-922	2.7	14
107	Maintaining regularity and generalization in data using the minimum description length principle and genetic algorithm: Case of grammatical inference. <i>Swarm and Evolutionary Computation</i> , 2016 , 31, 11-23	9.8	13
106	Evaluation of Genetic Algorithms Selection Methods. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 731-738	0.4	12
105	FAHP Approach to Rank Educational Websites on Usability. <i>International Journal of Computing and Digital Systems</i> , 2015 , 4, 251-260	1.6	12
104	Delivery of learning knowledge objects using fuzzy clustering. <i>Education and Information Technologies</i> , 2016 , 21, 1329-1349	3.6	11
103	Learner Groups in Massive Open Online Courses. <i>American Journal of Distance Education</i> , 2017 , 31, 80-97	3.4	11
102	Comparative analysis of edge-based fractal image compression using nearest neighbor technique in various frequency domains. <i>AEJ - Alexandria Engineering Journal</i> , 2018 , 57, 1525-1533	6.1	10
101	User Centric Retrieval of Learning Objects in LMS 2012 ,		9
100	Adaptive searchless fractal image compression in DCT domain. <i>Imaging Science Journal</i> , 2016 , 64, 374-380	0.9	9

99	Mobile Applications Usability Parameters: Taking an Insight View. <i>Lecture Notes in Networks and Systems</i> , 2018 , 35-43	0.5	9
98	Quality metrics a quanta for retrieving learning object by clustering techniques 2012 ,		8
97	Phonon dispersion and heat capacity of poly(l-aspartic acid). <i>European Polymer Journal</i> , 1998 , 34, 1781-1791	3.21	8
96	Data mining approach to analyse the road accidents in India 2016 ,		8
95	Predicting the protein structure using random forest approach. <i>Procedia Computer Science</i> , 2018 , 132, 1654-1662	1.6	7
94	A naive bayes approach for converging learning objects with open educational resources. <i>Education and Information Technologies</i> , 2016 , 21, 1753-1767	3.6	6
93	Phonon dispersion and heat capacity in cross-Form of poly(O-acetyl, l-serine). <i>Polymer</i> , 2000 , 41, 2095-2104	3.04	6
92	Performance analysis of student learning metric using K-mean clustering approach K-mean cluster 2016 ,		5
91	An ensemble approach in converging contents of LMS and KMS. <i>Education and Information Technologies</i> , 2017 , 22, 1673-1694	3.6	5
90	Implementation of Genetic Algorithm for developing knowledge centric environment in higher education. <i>International Journal of Hybrid Intelligent Systems</i> , 2017 , 14, 13-19	0.9	5
89	Normal modes and their dispersion in poly(β -isobutyl, β -aspartate): II. 13/4 Helix. <i>European Polymer Journal</i> , 2001 , 37, 829-841	5.2	5
88	Phonons and their dispersion in poly(S-benzyl-L-cysteine). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999 , 37, 3269-3287	2.6	5
87	A Data Mining Approach to Improve Re-Accessibility and Delivery of Learning Knowledge Objects. <i>Interdisciplinary Journal of E-Skills and Lifelong Learning</i> , 10, 247-267		5
86	The State of Art in Website Usability Evaluation Methods. <i>Advances in Human and Social Aspects of Technology Book Series</i> , 2017 , 275-296	0.2	5
85	Accessible review of internet of vehicle models for intelligent transportation and research gaps for potential future directions. <i>Peer-to-Peer Networking and Applications</i> , 2021 , 14, 978-1005	3.1	5
84	Bit mask-oriented genetic algorithm for grammatical inference and premature convergence. <i>International Journal of Bio-Inspired Computation</i> , 2018 , 12, 54	2.9	5
83	Comparative Analysis of Multi-label Classification Algorithms 2018 ,		5
82	Role of decision tree in supplementing tacit knowledge for Hypothetico-Deduction in higher education. <i>International Journal of Systems Assurance Engineering and Management</i> , 2018 , 9, 82-90	1.3	4

81	An access control framework for secured sharing of electronic health records using hierarchy similarity analyser. <i>International Journal of Electronic Healthcare</i> , 2015 , 8, 121	0	4
80	Identifying Knowledge Indicators in Higher Education Organization. <i>Procedia Computer Science</i> , 2015 , 46, 449-456	1.6	4
79	Enhanced Learning by Extending Metadata of Learning Objects with Knowledge Objects. <i>International Journal of Education and Learning</i> , 2014 , 3, 1-12		4
78	SWRL reasoning on ontology-based clinical dengue knowledge base. <i>International Journal of Metadata, Semantics and Ontologies</i> , 2020 , 14, 39	0.6	3
77	Analytical evaluation of agile success factors influencing quality in software industry. <i>International Journal of Systems Assurance Engineering and Management</i> , 2020 , 11, 247-257	1.3	3
76	Modelling fault detection with change-point in agile software development environment 2017 ,		3
75	Comparing Data Mining Techniques for Mining Patents 2015 ,		3
74	Applying CHAID algorithm to investigate critical attributes of secured interoperable health data exchange. <i>International Journal of Electronic Healthcare</i> , 2015 , 8, 25-50	0	3
73	Threats and Challenges to Security of Electronic Health Records. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2013 , 543-559	0.2	3
72	Normal modes and their dispersion in poly(β -isobutyl- β -aspartate): I. 4/1 Helix. <i>European Polymer Journal</i> , 2001 , 37, 815-828	5.2	3
71	Dispersion of normal modes in 1,4-trans-poly(1,3-pentadiene). <i>Polymer</i> , 1999 , 40, 6395-6404	3.9	3
70	Results of mapping patients expectation using SERVQUAL. <i>Journal of Healthcare Quality Research</i> , 2020 , 35, 381-390	1	3
69	Application of decision tree for understanding Indian educational scenario 2016 ,		3
68	Knowledge building through optimized classification rule set generation using genetic based elitist multi objective approach. <i>Neural Computing and Applications</i> , 2019 , 31, 845-855	4.8	3
67	Prioritizing the refactoring need for critical component using combined approach. <i>Decision Science Letters</i> , 2018 , 257-272	1.3	3
66	Proposing hierarchy-similarity based access control framework: A multilevel Electronic Health Record data sharing approach for interoperable environment. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2017 , 29, 505-519	2.5	2
65	Modelling Fault Detection Using SRGM in Agile Environment and Ranking of Models. <i>Journal of Cases on Information Technology</i> , 2019 , 21, 1-20	1.6	2
64	Prediction of Carbon Stock Available in Forest Using Naive Bayes Approach 2016 ,		2

63	Multiclass classification of mobile applications as per energy consumption. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2018 ,	2.5	2
62	Predicting Faults before Testing Phase using Halstead's Metrics. <i>International Journal of Software Engineering and Its Applications</i> , 2015 , 9, 135-142	0.1	2
61	Similarity Based Convergence of Learning Knowledge Objects and Delivery Using Agglomerative Clustering 2014 , 3, 9		2
60	Exploring Interoperability Approaches and Challenges in Healthcare Data Exchange. <i>Lecture Notes in Computer Science</i> , 2013 , 52-65	0.9	2
59	Trend Analysis for Retail Chain Using Statistical Analysis System. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 53-62	0.4	2
58	Computational complexity of fractal image compression algorithm. <i>IET Image Processing</i> , 2020 , 14, 4425-4434	1.7	2
57	Genetic-Based Weighted Aggregation Model for Optimization of Student's Performance in Higher Education. <i>Advances in Intelligent Systems and Computing</i> , 2016 , 877-887	0.4	2
56	Task based effectiveness evaluation of educational institute websites 2016 ,		2
55	Measuring Code Smells and Anti-Patterns 2019 ,		2
54	Query Optimization in Crowd-Sourcing Using Multi-Objective Ant Lion Optimizer. <i>International Journal of Information Technology and Web Engineering</i> , 2019 , 14, 50-63	1.3	2
53	Analysis and Implementation of the Bray-Curtis Distance-Based Similarity Measure for Retrieving Information from the Medical Repository. <i>Lecture Notes in Networks and Systems</i> , 2019 , 117-125	0.5	2
52	2018 ,		2
51	GSTChain: A Blockchain Network Application for the Goods and Services Tax. <i>Journal of Circuits, Systems and Computers</i> , 2250002	0.9	2
50	Hierarchy Similarity Analyser-An Approach to Securely Share Electronic Health Records. <i>International Journal of E-Health and Medical Communications</i> , 2016 , 7, 14-29	1.4	1
49	Green software: Refactoring approach. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2020 ,	2.5	1
48	Identifying the Best Network Security Using EDAS 2020 ,		1
47	Clustering the Patent Data Using K-Means Approach. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 639-645	0.4	1
46	Analysis of code smell to quantify the refactoring. <i>International Journal of Systems Assurance Engineering and Management</i> , 2017 , 8, 1750-1761	1.3	1

45	Agglomerative hierarchical Clustering technique for partitioning patent dataset 2015 ,		1
44	A push strategy for delivering of Learning Objects using meta data based association analysis (FP-Tree) 2013 ,		1
43	Designing metrics for caching techniques for dynamic web site 2010 ,		1
42	Implementation of Quasi-Euclidean Distance-Based Similarity Model for Retrieving Information from OHSUMED Dataset. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 661-669	0.4	1
41	Field Based Weighting Information Retrieval on Document Field of Ad Hoc Dataset. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 75-83	0.4	1
40	Information Retrieval on Green Mining Dataset Using Divergence from Randomness Models. <i>Lecture Notes in Networks and Systems</i> , 2019 , 127-134	0.5	1
39	Navigational Complexity Metrics of a Website. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 433-440	0.4	1
38	Identification of Criteria Affecting the Usability of Academic Institutes Websites. <i>International Journal of Technology Diffusion</i> , 2017 , 8, 20-40	0.4	1
37	A Study on RPL Protocol with Respect to DODAG Formation Using Objective Function. <i>Advances in Intelligent Systems and Computing</i> , 2022 , 633-644	0.4	1
36	Measuring informativeness of a web document 2016 ,		1
35	Ranking the access control models for secured sharing of EHR using fuzzy TOPSIS technique. <i>International Journal of Electronic Healthcare</i> , 2019 , 11, 45	0	1
34	Complexity Metrics for Component-Based Software System. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 13-22	0.4	1
33	Analysis of Factors Affecting Infant Mortality Rate Using Decision Tree in R Language. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 639-646	0.4	1
32	Designing ANFIS Model to Predict the Reliability of Component-Based System. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 1-9	0.4	1
31	IoT Based Smart Parking System 2018 ,		1
30	Analysis of Sentiments for Sports data using RapidMiner 2018 ,		1
29	A novel random forest approach to predict phase transition. <i>International Journal of Systems Assurance Engineering and Management</i> ,1	1.3	1
28	Particulate Matter Estimation Based on Haze Degree Factor. <i>Advances in Intelligent Systems and Computing</i> , 2020 , 769-779	0.4	0

27	A Decision Tree Approach to Identify the Factors Affecting Reliability for Component-Based System. <i>Smart Innovation, Systems and Technologies</i> , 2018 , 237-243	0.5	0
26	Determining protein conformation using vibrational frequencies: an ensemble approach. <i>International Journal of Data Mining and Bioinformatics</i> , 2020 , 23, 142	0.5	0
25	RDF Model Generation for Unstructured Dengue Patients' Clinical and Pathological Data. <i>International Journal of Information System Modeling and Design</i> , 2019 , 10, 71-89	0.8	0
24	To Calculate the Usability of Healthcare Mobile Applications Using Cognitive Walkthrough. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 265-272	0.2	0
23	Image correlation method to simulate physical characteristic of particulate matter. <i>International Journal of Systems Assurance Engineering and Management</i> , 2020 , 11, 400-410	1.3	0
22	Overcoming Smart City Barriers Using Multi-Modal Interpretive Structural Modeling. <i>Journal of Signal Processing Systems</i> , 1	1.4	0
21	Comparative Analysis of Wavelet Encoder and Hybrid Wavelet-Based Fractal Encoder for Image. <i>Lecture Notes in Mechanical Engineering</i> , 2019 , 363-369	0.4	
20	New Weighted Clustering Approach to Map and Prioritise Learning Knowledge Objects towards Learning Approaches. <i>International Journal of Emerging Technologies in Learning</i> , 2016 , 11, 28	1.4	
19	Relevance Index for Inferred Knowledge in Higher Education Domain Using Data Mining. <i>Advances in Intelligent Systems and Computing</i> , 2018 , 279-287	0.4	
18	Automation of Business Cards. <i>Lecture Notes in Mechanical Engineering</i> , 2019 , 371-380	0.4	
17	Analysis of Crop Protection Techniques Involving IoT. <i>Lecture Notes in Civil Engineering</i> , 2021 , 225-231	0.3	
16	Simulation and Performance Analysis of Tilted Time Window and Support Vector Machine Based Learning Object Ranking Method. <i>Recent Advances in Electrical and Electronic Engineering</i> , 2020 , 13, 153-164	0.3	0.4
15	Segregation of Speech and Music Signals for Aiding the Hearing Impaired. <i>Lecture Notes in Electrical Engineering</i> , 2021 , 669-679	0.2	
14	White Noise Removal to Enhance Clarity of Sports Commentary. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 629-638	0.4	
13	Label Powerset Based Multi-label Classification for Mobile Applications. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 671-678	0.4	
12	Hierarchy Similarity Analyser-An Approach to Securely Share Electronic Health Records 2020 , 1485-1501		
11	Accessibility Issues in Interoperable Sharing of Electronic Health Records: Physician's Perspective. <i>Healthcare Delivery in the Information Age</i> , 2016 , 199-218	0.3	
10	Comparison and Analysis of Information Retrieval DFR Models. <i>Smart Innovation, Systems and Technologies</i> , 2018 , 361-367	0.5	

- 9 Implementing Deep Learning Algorithm on Physicochemical Properties of Proteins. *Advances in Intelligent Systems and Computing*, **2022**, 685-693 0.4
- 8 A fuzzy association rule mining approach using movie lens dataset. *CSI Transactions on ICT*, **2016**, 4, 249-254
- 7 Break Point Analysis of Particulate Matter. *Asian Journal of Water, Environment and Pollution*, **2019**, 16, 117-121 0.7
- 6 Mapping of the vector space model with cognitive skills of the user using fuzzy approach. *Intelligent Decision Technologies*, **2019**, 12, 461-469 0.7
- 5 Code Smell Refactoring for Energy Optimization of Android Apps. *Lecture Notes in Electrical Engineering*, **2021**, 371-379 0.2
- 4 Dynamic Access Control Solution for Cross-Tenancy in a Cloud Environment. *Studies in Systems, Decision and Control*, **2021**, 111-129 0.8
- 3 Measuring and Evaluating Best Practices in Agile Testing Environment Using AHP. *Asset Analytics*, **2021**, 475-495 0.3
- 2 A Literature Review of Critical Success Factors in Agile Testing Method of Software Development. *Lecture Notes in Electrical Engineering*, **2021**, 859-870 0.2
- 1 Analytical Review on Image Compression Using Fractal Image Coding. *Advances in Intelligent Systems and Computing*, **2018**, 309-321 0.4