

Deepti Mehrotra

List of Publications by Year in descending order

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Version: 2024-02-01

141
papers

973
citations

687335

13
h-index

642715

23
g-index

147
all docs

147
docs citations

147
times ranked

840
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparative review of approaches to prevent premature convergence in GA. Applied Soft Computing Journal, 2014, 24, 1047-1077.	7.2	177
2	Comparative review of selection techniques in genetic algorithm. , 2015, , .		108
3	Evaluation of smartphones in Indian market using EDAS. Procedia Computer Science, 2018, 132, 236-243.	2.0	32
4	Issues in Achieving Complete Interoperability while Sharing Electronic Health Records. Procedia Computer Science, 2016, 78, 192-198.	2.0	28
5	Rank University Websites Using Fuzzy AHP and Fuzzy TOPSIS Approach on Usability. International Journal of Information Engineering and Electronic Business, 2015, 7, 29-36.	1.2	27
6	Usability evaluation of website using combined weighted method: fuzzy AHP and entropy approach. International Journal of Systems Assurance Engineering and Management, 2016, 7, 408-417.	2.4	26
7	Grammar induction using bit masking oriented genetic algorithm and comparative analysis. Applied Soft Computing Journal, 2016, 38, 453-468.	7.2	21
8	Learner Groups in Massive Open Online Courses. American Journal of Distance Education, 2017, 31, 80-97.	1.5	21
9	Comparative analysis of edge-based fractal image compression using nearest neighbor technique in various frequency domains. AEJ - Alexandria Engineering Journal, 2018, 57, 1525-1533.	6.4	19
10	Vibrational Dynamics and Heat Capacity of Poly(L-lysine). Polymer Journal, 1997, 29, 914-922.	2.7	18
11	Maintaining regularity and generalization in data using the minimum description length principle and genetic algorithm: Case of grammatical inference. Swarm and Evolutionary Computation, 2016, 31, 11-23.	8.1	18
12	FAHP Approach to Rank Educational Websites on Usability. International Journal of Computing and Digital Systems, 2015, 4, 251-260.	0.7	18
13	An IOT by information retrieval approach: Smart lights controlled using WiFi. , 2016, , .		17
14	User Centric Retrieval of Learning Objects in LMS. , 2012, , .		15
15	Data mining approach to analyse the road accidents in India. , 2016, , .		15
16	Delivery of learning knowledge objects using fuzzy clustering. Education and Information Technologies, 2016, 21, 1329-1349.	5.7	14
17	Quality metrics a quanta for retrieving learning object by clustering techniques. , 2012, , .		13
18	Evaluation of Genetic Algorithms Selection Methods. Advances in Intelligent Systems and Computing, 2016, , 731-738.	0.6	13

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19	Predicting the protein structure using random forest approach. <i>Procedia Computer Science</i> , 2018, 132, 1654-1662.	2.0	13
20	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.	3.9	13
21	Mobile Applications Usability Parameters: Taking an Insight View. <i>Lecture Notes in Networks and Systems</i> , 2018, , 35-43.	0.7	12
22	An ensemble approach in converging contents of LMS and KMS. <i>Education and Information Technologies</i> , 2017, 22, 1673-1694.	5.7	11
23	ProBlock: a novel approach for fake news detection. <i>Cluster Computing</i> , 2021, 24, 3779-3795.	5.0	11
24	Phonon dispersion and heat capacity of poly(l-aspartic acid). <i>European Polymer Journal</i> , 1998, 34, 1781-1791.	5.4	10
25	Adaptive searchless fractal image compression in DCT domain. <i>Imaging Science Journal</i> , 2016, 64, 374-380.	0.5	10
26	Performance analysis of student learning metric using K-mean clustering approach K-mean cluster. , 2016, , .		10
27	A naive bayes approach for converging learning objects with open educational resources. <i>Education and Information Technologies</i> , 2016, 21, 1753-1767.	5.7	10
28	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.	2.4	10
29	Comparative Analysis of Multi-label Classification Algorithms. , 2018, , .		9
30	Prediction of Carbon Stock Available in Forest Using Naive Bayes Approach. , 2016, , .		8
31	SWRL reasoning on ontology-based clinical dengue knowledge base. <i>International Journal of Metadata, Semantics and Ontologies</i> , 2020, 14, 39.	0.2	8
32	Phonon dispersion and heat capacity in cross- \hat{I}^2 form of poly(O-acetyl, l-serine). <i>Polymer</i> , 2000, 41, 2095-2104.	3.8	7
33	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.	0.3	7
34	Identifying Knowledge Indicators in Higher Education Organization. <i>Procedia Computer Science</i> , 2015, 46, 449-456.	2.0	6
35	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.	3.9	6
36	Implementation of Genetic Algorithm for developing knowledge centric environment in higher education. <i>International Journal of Hybrid Intelligent Systems</i> , 2017, 14, 13-19.	1.2	6

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37	Bit mask-oriented genetic algorithm for grammatical inference and premature convergence. International Journal of Bio-Inspired Computation, 2018, 12, 54.	0.9	6
38	Results of mapping patients expectation using SERVQUAL. Journal of Healthcare Quality Research, 2020, 35, 381-390.	0.6	6
39	GSTChain: A Blockchain Network Application for the Goods and Services Tax. Journal of Circuits, Systems and Computers, 2022, 31, .	1.5	6
40	The State of Art in Website Usability Evaluation Methods. Advances in Human and Social Aspects of Technology Book Series, 2017, , 275-296.	0.3	6
41	Phonons and their dispersion in poly(S-benzyl-L-cysteine). Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 3269-3287.	2.1	5
42	Normal modes and their dispersion in poly($\hat{1}$ -isobutyl, $\hat{2}$ -l-aspartate). European Polymer Journal, 2001, 37, 829-841.	5.4	5
43	Role of decision tree in supplementing tacit knowledge for Hypothetico-Deduction in higher education. International Journal of Systems Assurance Engineering and Management, 2018, 9, 82-90.	2.4	5
44	IoT Based Smart Parking System. , 2018, , .		5
45	Multiclass classification of mobile applications as per energy consumption. Journal of King Saud University - Computer and Information Sciences, 2021, 33, 719-727.	3.9	5
46	Enhanced Learning by Extending Metadata of Learning Objects with Knowledge Objects. International Journal of Education and Learning, 2014, 3, 1-12.	0.1	5
47	A Data Mining Approach to Improve Re-Accessibility and Delivery of Learning Knowledge Objects. Interdisciplinary Journal of E-Skills and Lifelong Learning, 0, 10, 247-267.	0.0	5
48	Comparing Data Mining Techniques for Mining Patents. , 2015, , .		4
49	Applying CHAID algorithm to investigate critical attributes of secured interoperable health data exchange. International Journal of Electronic Healthcare, 2015, 8, 25.	0.3	4
50	Application of decision tree for understanding Indian educational scenario. , 2016, , .		4
51	Analysis of Sentiments for Sports data using RapidMiner. , 2018, , .		4
52	Prioritizing the refactoring need for critical component using combined approach. Decision Science Letters, 2018, , 257-272.	1.2	4
53	Modelling Fault Detection Using SRGM in Agile Environment and Ranking of Models. Journal of Cases on Information Technology, 2019, 21, 1-20.	0.7	4
54	Knowledge building through optimized classification rule set generation using genetic based elitist multi objective approach. Neural Computing and Applications, 2019, 31, 845-855.	5.6	4

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55	Green software: Refactoring approach. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 4635-4643.	3.9	4
56	Network efficient topology for low power and lossy networks in smart corridor design using RPL. International Journal of Pervasive Computing and Communications, 2021, ahead-of-print, .	1.3	4
57	Exploring Interoperability Approaches and Challenges in Healthcare Data Exchange. Lecture Notes in Computer Science, 2013, , 52-65.	1.3	4
58	Predicting Faults before Testing Phase using Halstead's Metrics. International Journal of Software Engineering and Its Applications, 2015, 9, 135-142.	0.2	4
59	Similarity Based Convergence of Learning Knowledge Objects and Delivery Using Agglomerative Clustering. Journal of Information Technology and Application in Education, 2014, 3, 9.	0.2	4
60	Dispersion of normal modes in 1,4-trans-poly(1,3-pentadiene). Polymer, 1999, 40, 6395-6404.	3.8	3
61	Normal modes and their dispersion in poly($\hat{1}$ -isobutyl- $\hat{1}$ -aspartate). European Polymer Journal, 2001, 37, 815-828.	5.4	3
62	Threats and Challenges to Security of Electronic Health Records. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 543-559.	0.3	3
63	Agglomerative hierarchical Clustering technique for partitioning patent dataset. , 2015, , .		3
64	Modelling fault detection with change-point in agile software development environment. , 2017, , .		3
65	Metaheuristic Policies for Discovery Task Programming Matters in Cloud Computing. , 2018, , .		3
66	Digital image encoding scheme using fractal approach. , 2018, , .		3
67	Clustering the Patent Data Using K-Means Approach. Advances in Intelligent Systems and Computing, 2019, , 639-645.	0.6	3
68	Query Optimization in Crowd-Sourcing Using Multi-Objective Ant Lion Optimizer. International Journal of Information Technology and Web Engineering, 2019, 14, 50-63.	1.6	3
69	A Study on RPL Protocol with Respect to DODAG Formation Using Objective Function. Advances in Intelligent Systems and Computing, 2022, , 633-644.	0.6	3
70	Trend Analysis for Retail Chain Using Statistical Analysis System. Advances in Intelligent Systems and Computing, 2020, , 53-62.	0.6	3
71	Computational complexity of fractal image compression algorithm. IET Image Processing, 2020, 14, 4425-4434.	2.5	3
72	COMPARATIVE ANALYSIS OF RANKING FUNCTIONS FOR RETRIEVING INFORMATION FROM MEDICAL REPOSITORY. Malaysian Journal of Computer Science, 2019, 32, 18-30.	0.8	3

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73	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.	0.6	2
74	Task based effectiveness evaluation of educational institute websites. , 2016, , .		2
75	Analysis of code smell to quantify the refactoring. <i>International Journal of Systems Assurance Engineering and Management</i> , 2017, 8, 1750-1761.	2.4	2
76	Measuring Code Smells and Anti-Patterns. , 2019, , .		2
77	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.	1.1	2
78	Complexity Metrics for Component-Based Software System. <i>Advances in Intelligent Systems and Computing</i> , 2019, , 13-22.	0.6	2
79	A novel random forest approach to predict phase transition. <i>International Journal of Systems Assurance Engineering and Management</i> , 0, , 1.	2.4	2
80	Overcoming Smart City Barriers Using Multi-Modal Interpretive Structural Modeling. <i>Journal of Signal Processing Systems</i> , 2023, 95, 253-269.	2.1	2
81	A Convergence Time Predictive Model using Machine Learning for LLN. , 2021, , .		2
82	Designing metrics for caching techniques for dynamic web site. , 2010, , .		1
83	A push strategy for delivering of Learning Objects using meta data based association analysis (FP-Tree). , 2013, , .		1
84	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.	1.6	1
85	Measuring informativeness of a web document. , 2016, , .		1
86	Building CBR based diagnosis system using jCOLIBRI. , 2017, , .		1
87	Diagnosis of diabetic nature of a person using SVM and ANN approach. , 2017, , .		1
88	An Emperical Study: Relevance Feedback in Information Retrieval Systems. , 2017, , .		1
89	Designing ANFIS Model to Predict the Reliability of Component-Based System. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 1-9.	0.6	1
90	Pubworld-A R2rml Mapping Driven Approach To Transform Relational Database Data Into Shareable Format. , 2018, , .		1

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91	Ranking the access control models for secured sharing of EHR using fuzzy TOPSIS technique. International Journal of Electronic Healthcare, 2019, 11, 45.	0.3	1
92	Analysis of Factors Affecting Infant Mortality Rate Using Decision Tree in R Language. Advances in Intelligent Systems and Computing, 2019, , 639-646.	0.6	1
93	To Calculate the Usability of Healthcare Mobile Applications Using Cognitive Walkthrough. Lecture Notes in Electrical Engineering, 2019, , 265-272.	0.4	1
94	Image correlation method to simulate physical characteristic of particulate matter. International Journal of Systems Assurance Engineering and Management, 2020, 11, 400-410.	2.4	1
95	An r2rml-based Approach to Map Dengue Patient Database to Ontology. , 2020, , .		1
96	Determining protein conformation using vibrational frequencies: an ensemble approach. International Journal of Data Mining and Bioinformatics, 2020, 23, 142.	0.1	1
97	Identifying the Best Network Security Using EDAS. , 2020, , .		1
98	Identification of Criteria Affecting the Usability of Academic Institutes Websites. International Journal of Technology Diffusion, 2017, 8, 20-40.	0.3	1
99	Label Powerset Based Multi-label Classification for Mobile Applications. Advances in Intelligent Systems and Computing, 2019, , 671-678.	0.6	1
100	Field Based Weighting Information Retrieval on Document Field of Ad Hoc Dataset. Advances in Intelligent Systems and Computing, 2019, , 75-83.	0.6	1
101	Information Retrieval on Green Mining Dataset Using Divergence from Randomness Models. Lecture Notes in Networks and Systems, 2019, , 127-134.	0.7	1
102	Particulate Matter Estimation Based on Haze Degree Factor. Advances in Intelligent Systems and Computing, 2020, , 769-779.	0.6	1
103	Implementation of Quasi-Euclidean Distance-Based Similarity Model for Retrieving Information from OHSUMED Dataset. Advances in Intelligent Systems and Computing, 2020, , 661-669.	0.6	1
104	Scalability in Blockchain. , 2021, , .		1
105	Spatial and temporal trends reveal: hotspot identification of crimes using machine learning approach. International Journal of Computational Science and Engineering, 2022, 25, 174.	0.5	1
106	New Weighted Clustering Approach to Map and Prioritise Learning Knowledge Objects towards Learning Approaches. International Journal of Emerging Technologies in Learning, 2016, 11, 28.	1.3	0
107	A fuzzy association rule mining approach using movie lens dataset. CSI Transactions on ICT, 2016, 4, 249-254.	1.0	0
108	The BMODS: A powerful 2-D representation scheme for the GA's population. , 2016, , .		0

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109	The relationship between user preferences in interactive information retrieval evaluation. , 2017, , .		0
110	Feature selection approach for reducing the power consumption for a greener environment. , 2017, , .		0
111	Relevance Index for Inferred Knowledge in Higher Education Domain Using Data Mining. Advances in Intelligent Systems and Computing, 2018, , 279-287.	0.6	0
112	Analytical Review on Image Compression Using Fractal Image Coding. Advances in Intelligent Systems and Computing, 2018, , 309-321.	0.6	0
113	Phenomenology Ethnomethodology analysis of "website usability". , 2018, , .		0
114	Spatial Mining of Web-Log to observe reachability of Website. , 2018, , .		0
115	Web-Log Trend Pattern Analysis with Temporal Approach. , 2018, , .		0
116	Relevance Feedback on Mobile Data Using RapidMiner. , 2018, , .		0
117	Automation of Business Cards. Lecture Notes in Mechanical Engineering, 2019, , 371-380.	0.4	0
118	Comparative Analysis of Wavelet Encoder and Hybrid Wavelet-Based Fractal Encoder for Image. Lecture Notes in Mechanical Engineering, 2019, , 363-369.	0.4	0
119	Break Point Analysis of Particulate Matter. Asian Journal of Water, Environment and Pollution, 2019, 16, 117-121.	0.5	0
120	Mapping of the vector space model with cognitive skills of the user using fuzzy approach. Intelligent Decision Technologies, 2019, 12, 461-469.	0.9	0
121	Code Smell Refactoring for Energy Optimization of Android Apps. Lecture Notes in Electrical Engineering, 2021, , 371-379.	0.4	0
122	Establishing Inter-vehicle communication using simulation tools. , 2021, , .		0
123	Measuring and Evaluating Best Practices in Agile Testing Environment Using AHP. Asset Analytics, 2021, , 475-495.	0.5	0
124	A Literature Review of Critical Success Factors in Agile Testing Method of Software Development. Lecture Notes in Electrical Engineering, 2021, , 859-870.	0.4	0
125	Implementing Deep Learning Algorithm on Physicochemical Properties of Proteins. Advances in Intelligent Systems and Computing, 2022, , 685-693.	0.6	0
126	Accessibility Issues in Interoperable Sharing of Electronic Health Records: Physician's Perspective. Healthcare Delivery in the Information Age, 2016, , 199-218.	0.3	0

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127	Analytical Modelling Approach to Measure The Usability of Website. International Journal of Software Engineering and Its Applications, 2016, 10, 125-142.	0.2	0
128	Bit mask-oriented genetic algorithm for grammatical inference and premature convergence. International Journal of Bio-Inspired Computation, 2018, 12, 54.	0.9	0
129	White Noise Removal to Enhance Clarity of Sports Commentary. Advances in Intelligent Systems and Computing, 2019, , 629-638.	0.6	0
130	Ranking the access control models for secured sharing of EHR using fuzzy TOPSIS technique. International Journal of Electronic Healthcare, 2019, 11, 45.	0.3	0
131	Hierarchy Similarity Analyser-An Approach to Securely Share Electronic Health Records. , 2020, , 1485-1501.		0
132	Determining protein conformation using vibrational frequencies: an ensemble approach. International Journal of Data Mining and Bioinformatics, 2020, 23, 142.	0.1	0
133	SWRL reasoning on ontology-based clinical dengue knowledge base. International Journal of Metadata, Semantics and Ontologies, 2020, 14, 39.	0.2	0
134	Simulation and Performance Analysis of Tilted Time Window and Support Vector Machine Based Learning Object Ranking Method. Recent Advances in Electrical and Electronic Engineering, 2020, 13, 153-164.	0.3	0
135	Segregation of Speech and Music Signals for Aiding the Hearing Impaired. Lecture Notes in Electrical Engineering, 2021, , 669-679.	0.4	0
136	Optimizing Ambulance Deployment using Genetic Algorithm. , 2021, , .		0
137	Socialization between Quarantine Vehicle and Road Side Unit for Handling COVID-19: A Concept. , 2021, , .		0
138	Analysis of Crop Protection Techniques Involving IoT. Lecture Notes in Civil Engineering, 2021, , 225-231.	0.4	0
139	Constituent vs Dependency Parsing-Based RDF Model Generation from Dengue Patientsâ€™ Case Sheets. Journal of Information and Knowledge Management, 0, , .	1.1	0
140	Modelling and measuring attributes influencing agile implementation in an enterprise using structural equation modelling. International Journal of Applied Management Science, 2022, 14, 3.	0.2	0
141	Estimation of Particulate Matter PM _{2.5} Concentration using Random Forest Regressor with Hyperparameter Tuning. , 2022, , .		0