Sunil Kumar Khatri

List of Publications by Year
in descending order

198 papers	1,090 citations	933447 10 h-index	940533 16 g-index
206 all docs	206 docs citations	206 times ranked	677 citing authors

#	Article	IF	Citations
1	Semantic Term-Term Coupling-Based Feature Enhancement of User Profiles in Recommendation Systems. Journal of Cases on Information Technology, 2022, 24, 1-16.	0.7	1
2	A Framework for Feature Selection using Natural Language Processing for User Profile Learning for Recommendations of Healthcare Related Content. International Journal of Business Analytics, 2022, 9, 0-0.	0.4	0
3	Cross-project defect prediction using data sampling for class imbalance learning: an empirical study. International Journal of Parallel, Emergent and Distributed Systems, 2021, 36, 130-143.	1.0	6
4	Reliability-based dynamic multicast group formation provisioning local adjustment ensuring quality of service globally in MANETs. International Journal of Parallel, Emergent and Distributed Systems, 2021, 36, 144-158.	1.0	3
5	A Framework for Homogeneous Cross-Project Defect Prediction. International Journal of Software Innovation, 2021, 9, 52-68.	0.4	1
6	An empirical analysis of the statistical learning models for different categories of cross-project defect prediction. International Journal of Computer Aided Engineering and Technology, 2021, 14, 233.	0.2	1
7	Performace Testing Approach for Enterprise Application comprising Serverless Component. , 2021, , .		0
8	A supervised learning approach for link prediction in complex social networks. International Journal of Advanced Intelligence Paradigms, 2021, 20, 1.	0.3	1
9	Breast Cancer Recurrence Prediction Model Using Machine Learning Technique: State of the Art, Challenges and Future Direction. , 2021, , .		1
10	Data Center Air Handling Unit Fan Speed Optimization Using Machine Learning Techniques. , 2021, , .		1
11	Power Usage Efficiency (PUE) Optimization with Counterpointing Machine Learning Techniques for Data Center Temperatures. International Journal of Mathematical, Engineering and Management Sciences, 2021, 6, 1594-1611.	0.7	2
12	Review on Breast Cancer Disease Predictive Modelling using Swarm Intelligence. , 2020, , .		2
13	Effect of Cooling Systems on the Energy Efficiency of Data Centers: Machine Learning Optimisation. , 2020, , .		3
14	AI and Blockchain Integration. , 2020, , .		3
15	Potential Bottleneck and Measuring Performance of Serverless Computing: A Literature Study. , 2020, , .		6
16	A Framework for Prioritizing Software Vulnerabilities Using Fuzzy Best-Worst Method. , 2020, , .		3
17	Efficiency measurement of data centers: An elucidative review. Journal of Discrete Mathematical Sciences and Cryptography, 2020, 23, 221-236.	0.8	2
18	Breast cancer identification and prognosis with machine learning techniques - An elucidative review. Journal of Interdisciplinary Mathematics, 2020, 23, 503-521.	0.7	11

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19	Trust framework for attack resilience in MANET using AODV. Journal of Discrete Mathematical Sciences and Cryptography, 2020, 23, 209-220.	0.8	12
20	Two-phase methodology for prioritization and utility assessment of software vulnerabilities. International Journal of Systems Assurance Engineering and Management, 2020, 11, 289-300.	2.4	4
21	Evaluation and Selection of Software Vulnerabilities. International Journal of Reliability, Quality and Safety Engineering, 2020, 27, 2040014.	0.6	2
22	Effort based release time of software for detection and correction processes using MAUT. International Journal of Systems Assurance Engineering and Management, 2020, 11, 367-378.	2.4	9
23	Assessment of Software Vulnerabilities using Best-Worst Method and Two-Way Analysis. International Journal of Mathematical, Engineering and Management Sciences, 2020, 5, 328-342.	0.7	7
24	Fault Tolerance Based Indexing for Multidimensional Data Bases. , 2019, , .		0
25	Envirement Monitoring Using Internet of Things â€" Cloud Burstprediction. , 2019, , .		0
26	Blood Flow Detection and Monitoring Using Sensory Data. , 2019, , .		3
27	Combination of Virtual Private Network and Wireless Sensor Network: Protection Against The Interference Problem of IOT. , 2019, , .		1
28	A Classical Constraint Satisfaction Problem and its Solution using Artificial Intelligence. , 2019, , .		0
29	IOT Based Remote Patient Health Monitoring System. , 2019, , .		18
30	Study on Temperature Variation Pattern Based on Data Analytics. , 2019, , .		1
31	Business Models Leveraging IoT and Cognitive Computing. , 2019, , .		2
32	Enhancement of Reading Visibility using LED Embedded Whiteboards. , 2019, , .		0
33	Information Gain Model for Efficient Influential Node Identification in Social Networks. , 2019, , .		1
34	Digital Image Restoration using Image Filtering Techniques. , 2019, , .		7
35	NFC Car Keys By Using RSA Cryptography In WSN Security. , 2019, , .		4
36	Future of Wearable Devices Using IoT Synergy in AI. , 2019, , .		5

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37	A New Model of Light Weight Hybrid Cryptography for Internet of Things. , 2019, , .		13
38	Data Security Enhancement in Cloud Computing Using Multimodel Biometric System. , 2019, , .		0
39	Reduction of Noise of Cloud Medical Images Using Image Enhancement Technique. Lecture Notes in Mechanical Engineering, 2019, , 825-835.	0.4	2
40	A Security Model for the Enhancement of Data Privacy in Cloud Computing. , 2019, , .		26
41	Advance Persistant Threat and Cyber Spying - The Big Picture, Its Tools, Attack Vectors and Countermeasures. , 2019, , .		5
42	Securing Virtual Machines on Cloud through Game Theory Approach. , 2019, , .		1
43	A Conceptual Framework for Improving the Software Security of Self-Driven Vehicles. , 2019, , .		1
44	A Noval Collaborative Filtering Technique Approach for Recommender System. , 2019, , .		2
45	Automated Invigilation System for Detection of Suspicious Activities during Examination. , 2019, , .		10
46	Discovering Influential Nodes on Social Media using Gaussian Kernel Method. , 2019, , .		0
47	Filter-based Attribute Selection Approach for Intrusion Detection using k-Means Clustering and Sequential Minimal Optimization Techniq. , 2019, , .		15
48	Optimizing Autonomous Vehicles to Prevent On-Road Congestion. , 2019, , .		0
49	An Innovative Model for the Enhancement of IoT Device Using Lightweight Cryptography. , 2019, , .		2
50	Diverse IoT Based Gadgets to Update a Moderate Condition of Farmers in India. , 2019, , .		0
51	Enhancing Remembrance of Password as an Image. , 2019, , .		0
52	Improving The Efficiency of E-Healthcare System Based on Cloud. , 2019, , .		12
53	IoT Based Predictive Model for Cloud Seeding. , 2019, , .		5
54	Analysis of Detection and Prevention of Malware in Cloud Computing Environment. , 2019, , .		8

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55	An Intelligent Clinical Decision Support System Based on Artificial Neural Network for Early Diagnosis of Cardiovascular Diseases in Rural Areas. , 2019, , .		14
56	Decision Making Support System for Prediction of Prices in Agricultural Commodity. , 2019, , .		7
57	Substantiation of multinomial classification using ensemble learning approach. IOP Conference Series: Materials Science and Engineering, 2019, 618, 012039.	0.6	0
58	An Authentication Model for Online Transactions Using Biometric Security. , 2019, , .		2
59	An Intruder Monitoring System for Improving the Network Security. , 2019, , .		0
60	A Security Model for Intrusion Detection and Prevention over Wireless Network. , 2019, , .		1
61	Dihedral Group Matrix: A password security Approach. , 2019, , .		0
62	Spam SMS Filtering using Recurrent Neural Network and Long Short Term Memory. , 2019, , .		11
63	Security Enhancement through IRIS and Biometric Recognition in ATM. , 2019, , .		6
64	Detecting Fraudulent Insurance Claims Using Random Forests and Synthetic Minority Oversampling Technique. , 2019, , .		8
65	A Model to Enhance Security Of Digital Transaction. , 2019, , .		1
66	A Model to Implement and Secure Online Documentation using Blockchain. , 2019, , .		1
67	Artificial Intelligence Based Path Finding and Decision Making in First Person Shooting Game. , 2019, , .		1
68	IOT based Automated Quality Assessment for Fruits and Vegetables using Infrared. , 2019, , .		1
69	Prevention of Drive by Download Attack (URL Malware Detector). , 2019, , .		2
70	Combination of Virtual Private Network and Wireless Sensor Network: Protection Against The Interference Problem of IOT. IOP Conference Series: Materials Science and Engineering, 2019, 618, 012038.	0.6	0
71	Detection of Cyber Crime on Social Media using Random Forest Algorithm. , 2019, , .		10
72	Techniques for Sensing Heartbeat using IoT. , 2019, , .		0

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73	Influence Prediction Using Bayesian Belief Networks For Real Life Networks. , 2019, , .		0
74	Advanced Gameplay Strategy Based on Grey Wolf Optimization. , 2019, , .		0
75	Motorcycle Safety Solution using the Internet of Things. , 2019, , .		3
76	A Framework to Identify and secure the Issues of Fake News and Rumours in Social Networking. , 2019, , .		4
77	Ensuring quality in ERP implementations through testing components: an ISM approach. International Journal of Technology, Policy and Management, 2019, 19, 89.	0.3	3
78	Prevention of Agricultural Commodities using Artificial Intelligence. , 2019, , .		0
79	IOT Aided Techniques for Agriculture. , 2019, , .		3
80	Maintaining Reusable Software Components. , 2019, , .		1
81	Internet of Things in Retail Using Fuzzy Logic for Customer Loyalty. , 2019, , .		0
82	Data Mining Strategies for Drug Analysis on Twitter. , 2019, , .		0
83	Preventive Measures to Secure Issues in Cloud Computing. , 2019, , .		4
84	Enhanced Long Range IRIS Recognition. , 2019, , .		1
85	Assessing software upgradation attributes and optimal release planning using DEMATEL and MAUT. International Journal of Industrial and Systems Engineering, 2019, 31, 70.	0.2	8
86	Sentiment Analysis and Prediction Using Neural Networks. Communications in Computer and Information Science, 2019, , 458-470.	0.5	1
87	Performance Evaluation of Robot Path Planning Using Hybrid TSP Based ACO. Communications in Computer and Information Science, 2019, , 448-457.	0.5	1
88	Anatomy of Big Iot Data analytics. , 2019, , .		3
89	Smart Gesture Control for Home Automation Using Internet of Things. Advances in Intelligent Systems and Computing, 2018, , 633-641.	0.6	3
90	Analysis of Scaling in Cloud Infrastructure. , 2018, , .		3

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91	Notice of Violation of IEEE Publication Princ: Website Promotion Using Soft-Computing Techniques. , 2018, , .		0
92	Implementation of Data Sampling in Class Imbalance Learning for Cross Project Defect Prediction: An Empirical Study. , 2018, , .		4
93	Statistical Approach for Combating Web Spamming Using Fisher Technique. , 2018, , .		0
94	Optimised elliptic curve digital signature on NIST compliant curves for authentication of MANET nodes. International Journal of Electronic Security and Digital Forensics, 2018, 10, 372.	0.2	0
95	Modification of Playfair Algorithm Using Genetic Algorithm. , 2018, , .		1
96	Dynamic Clustering of n-Dimensional Data on Tangential Space. , 2018, , .		0
97	Digital Image Security Using Hybrid Visual Cryptography. , 2018, , .		1
98	Security Implications in IoT using Authentication and Access Control. , 2018, , .		5
99	Understanding Relation between Public Sentiments and Government Policy Reforms. , 2018, , .		1
100	Effort Estimation of Agile Development using Fuzzy Logic. , 2018, , .		12
101	Security Issues and Challenges in Perception Layer of Smart Healthcare. , 2018, , .		4
102	Cyberbullying Detection using Recursive Neural Network through Offline Repository. , 2018, , .		5
103	Relative importance of CSF in ERP implementation strategy: a multi-participant AHP approach. International Journal of Business Information Systems, 2018, 27, 105.	0.2	3
104	Water Quality Index Using IOT. , 2018, , .		3
105	Secure Data in Cloud Computing Using Face Detection and Fingerprint. , 2018, , .		3
106	Microcontroller Based Bank Locker Security System Using IRIS Scanner and Vein Scanner. , 2018, , .		5
107	An Improved Model to Increase Quality of User Experience Through Usability Testing. , 2018, , .		2
108	Sentiment Analysis and Prediction Using Neural Networks. , 2018, , .		14

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109	Smart Farming â€" IoT in Agriculture. , 2018, , .		147
110	Role and Aplications of Iot in Online Transactions using Blockchain Technology. , 2018, , .		2
111	IoT based Security Model to Enhance Blockchain Technology. , 2018, , .		4
112	Analysing the Genetic Diversity of Commonly Occurring Diseases. Advances in Intelligent Systems and Computing, 2018, , 37-48.	0.6	0
113	Prediction of Cross Project Defects using Ensemble based Multinomial Classifier. EAI Endorsed Transactions on Scalable Information Systems, 2018, .	0.8	1
114	A Framework for User Profile Enrichment in Content-based Recommender Systems by inferring the Semantic Couplings. , 2018, , .		1
115	A Framework for User Profile Enrichment in Content-based Recommender Systems by inferring the Semantic Couplings. , 2018, , .		0
116	Modeling interrelationships between CSF in ERP implementations: total ISM and MICMAC approach. International Journal of Systems Assurance Engineering and Management, 2017, 8, 782.	2.4	10
117	Parallel implementation of Dâ€Phylo algorithm for maximum likelihood clusters. IET Nanobiotechnology, 2017, 11, 134-142.	3.8	1
118	Comparative study of various protocols of DDS. Journal of Statistics and Management Systems, 2017, 20, 647-658.	0.6	6
119	Two-Dimensional Generalized Framework to Determine Optimal Release and Patching Time of a Software. International Journal of Reliability, Quality and Safety Engineering, 2017, 24, 1740003.	0.6	1
120	Unified ontology for data integration for tourism sector. , 2017, , .		2
121	Data mining on social networks for target advertisement in automobile sector. , 2017, , .		1
122	Security solutions for physical layer of IoT. , 2017, , .		10
123	Smart and connecting city parking â€" Leveraging Iot. , 2017, , .		2
124	Hybrid artificial intelligence model based on neural network simulation models for software maintainability prediction. , 2017, , .		1
125	Selection of framework for implementing agile in software industry by fuzzy AHP approach. , 2017, , .		5
126	Political opinion mining using E-social network data. , 2017, , .		4

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127	Performance evaluation of baseline link prediction techniques on simple and complex networks. , 2017, , .		2
128	Enhancement of medical images using Kalman filter. , 2017, , .		6
129	A wearable NFC wristband for remote home automation system. , 2017, , .		8
130	A study for improving energy efficiency in mobile devices. , 2017, , .		3
131	Framework for authentication and access control in IoT. , 2017, , .		1
132	A Naive Bayes classifier approach for detecting hypervisor attacks in virtual machines. , 2017, , .		4
133	Biometrie based authentication and access control techniques to secure mobile cloud computing. , 2017, , .		5
134	Anti social comment classification based on kNN algorithm. , 2017, , .		9
135	Identification & enhancement of different skin lesion images by segmentation techniques. , 2017, , .		8
136	Optimizing search query using feature thesaurus and optimizaton tool. , 2017, , .		0
137	Enhancement of historical documents by image processing techniques. , 2017, , .		3
138	Multi-generation diffusion of technology. , 2017, , .		6
139	A study on web application security and detecting security vulnerabilities. , 2017, , .		17
140	Analysis of IoT security at network layer. , 2017, , .		9
141	Prediction of aviation accidents using logistic regression model. , 2017, , .		5
142	A literature review on cross project defect prediction. , 2017, , .		5
143	NLCS based string approximation for searching indexing keywords in B-tree. , 2017, , .		2
144	Reconstructing phylogenetic tree using a protein–protein interaction technique. IET Nanobiotechnology, 2017, 11, 1005-1016.	3.8	1

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145	Trust modeling for secure route discovery in mobile ad-hoc networks. , 2017, , .		1
146	Enhancing password security using cyclic group matrix. , 2017, , .		0
147	Quantifying software reliability using testing effort. , 2016, , .		3
148	Modelling the successive software release time of S-shaped model with imperfect debugging. , 2016, , .		3
149	Using sentimental analysis in prediction of stock market investment. , 2016, , .		17
150	Modeling Two-Dimensional Framework for Multi-Upgradations of a Software with Change Point. International Journal of Reliability, Quality and Safety Engineering, 2016, 23, 1640008.	0.6	3
151	A novel approach for improving recommender system. , 2016, , .		1
152	Multi-level selection of reusable software components. , 2016, , .		1
153	Use case point estimation technique in software development. , 2016, , .		8
154	Evaluation of open source software and improving its quality. , 2016, , .		3
155	Testing effort based modeling to determine optimal release and patching time of software. International Journal of Systems Assurance Engineering and Management, 2016, 7, 427-434.	2.4	17
156	Impact of selected pre-processing techniques on prediction of risk of early readmission for diabetic patients in India. International Journal of Diabetes in Developing Countries, 2016, 36, 469-476.	0.8	14
157	Measuring testing efficiency & effectiveness for software upgradation and its impact on CBP. , 2016, , .		3
158	Multi release modeling of a software with testing effort and fault reduction factor. , 2016, , .		5
159	Analyzing Reactive Routing Protocols for Mobile <i>Ad Hoc</i> Networks. International Journal of Reliability, Quality and Safety Engineering, 2016, 23, 1640006.	0.6	0
160	Predictive risk modelling for early hospital readmission of patients with diabetes in India. International Journal of Diabetes in Developing Countries, 2016, 36, 519-528.	0.8	26
161	Assessment of environmental factors affecting software development process using ISM & MICMAC analysis. International Journal of Systems Assurance Engineering and Management, 2016, 7, 435-441.	2.4	11
162	Measuring testing efficiency: An alternative approach. , 2015, , .		3

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163	Experimental comparison of automated mutation testing tools for java. , 2015, , .		12
164	Prioritization and ranking of ERP testing components. , 2015, , .		1
165	Improving patient matching: Single patient view for Clinical Decision Support using Big Data analytics. , 2015, , .		7
166	General maturity model for social messaging application. , 2015, , .		0
167	Reducing Route discovery latency in MANETs using ACO. , 2015, , .		3
168	Evolving a risk-free, requirement centric and goal oriented software development life cycle model. , 2015, , .		1
169	Unravelling unstructured data: A wealth of information in big data. , 2015, , .		24
170	Recognizing images of handwritten digits using learning vector quantization artificial neural network. , 2015, , .		3
171	Secure data transfer in MANET using symmetric and asymmetric cryptography. , 2015, , .		7
172	Weaving Techniques and its impact on execution of classes in Aspect Oriented Programming. , 2015, , .		0
173	Applying FLOOT testing to agile methodology. , 2015, , .		0
174	Using Statistical Usage Testing in Conjunction with Other Black Box Testing Techniques. International Journal of Reliability, Quality and Safety Engineering, 2015, 22, 1550004.	0.6	1
175	Developing software reliability growth model for multi up gradations with faults of different severity and related release time problem. , 2015, , .		2
176	Analysis of attacks on routing protocols in MANETs. , 2015, , .		12
177	Comparative study of ERP implementation strategies. , 2015, , .		15
178	Elimination based algorithm for link prediction on social networks. International Journal of Systems Assurance Engineering and Management, 2015, 6, 78-82.	2.4	6
179	Testing Apache OpenOffice Writer using statistical usage testing technique. International Journal of Systems Assurance Engineering and Management, 2015, 6, 3-17.	2.4	1
180	Bug prediction modeling using complexity of code changes. International Journal of Systems Assurance Engineering and Management, 2015, 6, 44-60.	2.4	14

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181	AN ASSESSMENT OF TESTING COST WITH EFFORT-DEPENDENT FDP AND FCP UNDER LEARNING EFFECT: A GENETIC ALGORITHM APPROACH. International Journal of Reliability, Quality and Safety Engineering, 2014, 21, 1450027.	0.6	11
182	Exploratory study to identify critical success factors penetration in ERP implementations. , 2014, , .		5
183	Sentiment analysis to predict Bombay stock exchange using artificial neural network. , 2014, , .		9
184	Multidimensional modeling for data warehouse using object oriented approach. , 2014, , .		2
185	Best practices for managing risk in adaptive agile process. , 2014, , .		6
186	When to stop testing under warranty using SRGM with change-point. , 2014, , .		3
187	Analysis of various testing techniques. International Journal of Systems Assurance Engineering and Management, 2014, 5, 276-290.	2.4	4
188	Critical success factor utility based tool for ERP health assessment: a general framework. International Journal of Systems Assurance Engineering and Management, 2014, 5, 133-148.	2.4	29
189	Special issue on reliability and optimization. International Journal of Systems Assurance Engineering and Management, 2014, 5, 119-119.	2.4	0
190	Release time determination depending on number of test runs using multi attribute utility theory. International Journal of Systems Assurance Engineering and Management, 2014, 5, 186-194.	2.4	10
191	Testing-effort-dependent software reliability growth model for a distributed environment using debugging time lag functions. International Journal of Mathematics in Operational Research, 2012, 4, 18.	0.2	4
192	Flexible Discrete Software Reliability Growth Model for Distributed Environment Incorporating Two Types of Imperfect Debugging. , 2012, , .		4
193	Software Reliability Growth Model with testing effort using learning function. , 2012, , .		5
194	ENHANCING SOFTWARE RELIABILITY OF A COMPLEX SOFTWARE SYSTEM ARCHITECTURE USING ARTIFICIAL NEURAL-NETWORKS ENSEMBLE. International Journal of Reliability, Quality and Safety Engineering, 2011, 18, 271-284.	0.6	9
195	Securing Password File Using Bezier Curves. Communications in Computer and Information Science, 2010, , 675-680.	0.5	0
196	SOFTWARE RELIABILITY ASSESSMENT USING ARTIFICIAL NEURAL NETWORK BASED FLEXIBLE MODEL INCORPORATING FAULTS OF DIFFERENT COMPLEXITY. International Journal of Reliability, Quality and Safety Engineering, 2008, 15, 113-127.	0.6	16
197	SOFTWARE RELIABILITY GROWTH MODELLING FOR ERRORS OF DIFFERENT SEVERITY USING CHANGE POINT. International Journal of Reliability, Quality and Safety Engineering, 2007, 14, 311-326.	0.6	39
198	Discrete software reliability growth modeling for errors of different severity incorporating change-point concept. International Journal of Automation and Computing, 2007, 4, 396-405.	4.5	15