

Sunil Kumar Khatri

List of Publications by Year in descending order

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Version: 2024-02-01

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	Smart Farming “ IoT in Agriculture. , 2018, , .		147
2	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
3	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
4	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
5	A Security Model for the Enhancement of Data Privacy in Cloud Computing. , 2019, , .		26
6	Unravelling unstructured data: A wealth of information in big data. , 2015, , .		24
7	IOT Based Remote Patient Health Monitoring System. , 2019, , .		18
8	Using sentimental analysis in prediction of stock market investment. , 2016, , .		17
9	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
10	A study on web application security and detecting security vulnerabilities. , 2017, , .		17
11	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
12	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
13	Comparative study of ERP implementation strategies. , 2015, , .		15
14	Filter-based Attribute Selection Approach for Intrusion Detection using k-Means Clustering and Sequential Minimal Optimization Techniq. , 2019, , .		15
15	Bug prediction modeling using complexity of code changes. International Journal of Systems Assurance Engineering and Management, 2015, 6, 44-60.	2.4	14
16	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
17	Sentiment Analysis and Prediction Using Neural Networks. , 2018, , .		14
18	An Intelligent Clinical Decision Support System Based on Artificial Neural Network for Early Diagnosis of Cardiovascular Diseases in Rural Areas. , 2019, , .		14

#	ARTICLE	IF	CITATIONS
19	A New Model of Light Weight Hybrid Cryptography for Internet of Things. , 2019, , .		13
20	Experimental comparison of automated mutation testing tools for java. , 2015, , .		12
21	Analysis of attacks on routing protocols in MANETs. , 2015, , .		12
22	Effort Estimation of Agile Development using Fuzzy Logic. , 2018, , .		12
23	Improving The Efficiency of E-Healthcare System Based on Cloud. , 2019, , .		12
24	Trust framework for attack resilience in MANET using AODV. Journal of Discrete Mathematical Sciences and Cryptography, 2020, 23, 209-220.	0.8	12
25	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
26	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
27	Spam SMS Filtering using Recurrent Neural Network and Long Short Term Memory. , 2019, , .		11
28	Breast cancer identification and prognosis with machine learning techniques - An elucidative review. Journal of Interdisciplinary Mathematics, 2020, 23, 503-521.	0.7	11
29	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
30	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
31	Security solutions for physical layer of IoT. , 2017, , .		10
32	Automated Invigilation System for Detection of Suspicious Activities during Examination. , 2019, , .		10
33	Detection of Cyber Crime on Social Media using Random Forest Algorithm. , 2019, , .		10
34	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
35	Sentiment analysis to predict Bombay stock exchange using artificial neural network. , 2014, , .		9
36	Anti social comment classification based on kNN algorithm. , 2017, , .		9

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37	Analysis of IoT security at network layer. , 2017, , .		9
38	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
39	Use case point estimation technique in software development. , 2016, , .		8
40	A wearable NFC wristband for remote home automation system. , 2017, , .		8
41	Identification & enhancement of different skin lesion images by segmentation techniques. , 2017, , .		8
42	Analysis of Detection and Prevention of Malware in Cloud Computing Environment. , 2019, , .		8
43	Detecting Fraudulent Insurance Claims Using Random Forests and Synthetic Minority Oversampling Technique. , 2019, , .		8
44	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
45	Improving patient matching: Single patient view for Clinical Decision Support using Big Data analytics. , 2015, , .		7
46	Secure data transfer in MANET using symmetric and asymmetric cryptography. , 2015, , .		7
47	Digital Image Restoration using Image Filtering Techniques. , 2019, , .		7
48	Decision Making Support System for Prediction of Prices in Agricultural Commodity. , 2019, , .		7
49	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
50	Best practices for managing risk in adaptive agile process. , 2014, , .		6
51	Elimination based algorithm for link prediction on social networks. International Journal of Systems Assurance Engineering and Management, 2015, 6, 78-82.	2.4	6
52	Comparative study of various protocols of DDS. Journal of Statistics and Management Systems, 2017, 20, 647-658.	0.6	6
53	Enhancement of medical images using Kalman filter. , 2017, , .		6
54	Multi-generation diffusion of technology. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
55	Security Enhancement through IRIS and Biometric Recognition in ATM. , 2019, , .		6
56	Potential Bottleneck and Measuring Performance of Serverless Computing: A Literature Study. , 2020, , .		6
57	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
58	Software Reliability Growth Model with testing effort using learning function. , 2012, , .		5
59	Exploratory study to identify critical success factors penetration in ERP implementations. , 2014, , .		5
60	Multi release modeling of a software with testing effort and fault reduction factor. , 2016, , .		5
61	Selection of framework for implementing agile in software industry by fuzzy AHP approach. , 2017, , .		5
62	Biometric based authentication and access control techniques to secure mobile cloud computing. , 2017, , .		5
63	Prediction of aviation accidents using logistic regression model. , 2017, , .		5
64	A literature review on cross project defect prediction. , 2017, , .		5
65	Security Implications in IoT using Authentication and Access Control. , 2018, , .		5
66	Cyberbullying Detection using Recursive Neural Network through Offline Repository. , 2018, , .		5
67	Microcontroller Based Bank Locker Security System Using IRIS Scanner and Vein Scanner. , 2018, , .		5
68	Future of Wearable Devices Using IoT Synergy in AI. , 2019, , .		5
69	Advance Persistent Threat and Cyber Spying - The Big Picture, Its Tools, Attack Vectors and Countermeasures. , 2019, , .		5
70	IoT Based Predictive Model for Cloud Seeding. , 2019, , .		5
71	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
72	Flexible Discrete Software Reliability Growth Model for Distributed Environment Incorporating Two Types of Imperfect Debugging. , 2012, , .		4

#	ARTICLE	IF	CITATIONS
73	Analysis of various testing techniques. International Journal of Systems Assurance Engineering and Management, 2014, 5, 276-290.	2.4	4
74	Political opinion mining using E-social network data. , 2017, , .		4
75	A Naive Bayes classifier approach for detecting hypervisor attacks in virtual machines. , 2017, , .		4
76	Implementation of Data Sampling in Class Imbalance Learning for Cross Project Defect Prediction: An Empirical Study. , 2018, , .		4
77	Security Issues and Challenges in Perception Layer of Smart Healthcare. , 2018, , .		4
78	IoT based Security Model to Enhance Blockchain Technology. , 2018, , .		4
79	NFC Car Keys By Using RSA Cryptography In WSN Security. , 2019, , .		4
80	A Framework to Identify and secure the Issues of Fake News and Rumours in Social Networking. , 2019, , .		4
81	Preventive Measures to Secure Issues in Cloud Computing. , 2019, , .		4
82	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
83	When to stop testing under warranty using SRGM with change-point. , 2014, , .		3
84	Measuring testing efficiency: An alternative approach. , 2015, , .		3
85	Reducing Route discovery latency in MANETs using ACO. , 2015, , .		3
86	Recognizing images of handwritten digits using learning vector quantization artificial neural network. , 2015, , .		3
87	Quantifying software reliability using testing effort. , 2016, , .		3
88	Modelling the successive software release time of S-shaped model with imperfect debugging. , 2016, , .		3
89	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
90	Evaluation of open source software and improving its quality. , 2016, , .		3

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91	Measuring testing efficiency & effectiveness for software upgradation and its impact on CBP. , 2016, , .		3
92	A study for improving energy efficiency in mobile devices. , 2017, , .		3
93	Enhancement of historical documents by image processing techniques. , 2017, , .		3
94	Smart Gesture Control for Home Automation Using Internet of Things. Advances in Intelligent Systems and Computing, 2018, , 633-641.	0.6	3
95	Analysis of Scaling in Cloud Infrastructure. , 2018, , .		3
96	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
97	Water Quality Index Using IOT. , 2018, , .		3
98	Secure Data in Cloud Computing Using Face Detection and Fingerprint. , 2018, , .		3
99	Blood Flow Detection and Monitoring Using Sensory Data. , 2019, , .		3
100	Motorcycle Safety Solution using the Internet of Things. , 2019, , .		3
101	Ensuring quality in ERP implementations through testing components: an ISM approach. International Journal of Technology, Policy and Management, 2019, 19, 89.	0.3	3
102	IOT Aided Techniques for Agriculture. , 2019, , .		3
103	Effect of Cooling Systems on the Energy Efficiency of Data Centers: Machine Learning Optimisation. , 2020, , .		3
104	AI and Blockchain Integration. , 2020, , .		3
105	A Framework for Prioritizing Software Vulnerabilities Using Fuzzy Best-Worst Method. , 2020, , .		3
106	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
107	Anatomy of Big lot Data analytics. , 2019, , .		3
108	Multidimensional modeling for data warehouse using object oriented approach. , 2014, , .		2

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109	Developing software reliability growth model for multi up gradations with faults of different severity and related release time problem. , 2015, , .		2
110	Unified ontology for data integration for tourism sector. , 2017, , .		2
111	Smart and connecting city parking â€” Leveraging lot. , 2017, , .		2
112	Performance evaluation of baseline link prediction techniques on simple and complex networks. , 2017, , .		2
113	NLCS based string approximation for searching indexing keywords in B-tree. , 2017, , .		2
114	An Improved Model to Increase Quality of User Experience Through Usability Testing. , 2018, , .		2
115	Role and Aplications of lot in Online Transactions using Blockchain Technology. , 2018, , .		2
116	Business Models Leveraging IoT and Cognitive Computing. , 2019, , .		2
117	Reduction of Noise of Cloud Medical Images Using Image Enhancement Technique. Lecture Notes in Mechanical Engineering, 2019, , 825-835.	0.4	2
118	A Noval Collaborative Filtering Technique Approach for Recommender System. , 2019, , .		2
119	An Innovative Model for the Enhancement of IoT Device Using Lightweight Cryptography. , 2019, , .		2
120	An Authentication Model for Online Transactions Using Biometric Security. , 2019, , .		2
121	Prevention of Drive by Download Attack (URL Malware Detector). , 2019, , .		2
122	Review on Breast Cancer Disease Predictive Modelling using Swarm Intelligence. , 2020, , .		2
123	Efficiency measurement of data centers: An elucidative review. Journal of Discrete Mathematical Sciences and Cryptography, 2020, 23, 221-236.	0.8	2
124	Evaluation and Selection of Software Vulnerabilities. International Journal of Reliability, Quality and Safety Engineering, 2020, 27, 2040014.	0.6	2
125	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
126	Prioritization and ranking of ERP testing components. , 2015, , .		1

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127	Evolving a risk-free, requirement centric and goal oriented software development life cycle model. , 2015, , .		1
128	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
129	Testing Apache OpenOffice Writer using statistical usage testing technique. International Journal of Systems Assurance Engineering and Management, 2015, 6, 3-17.	2.4	1
130	A novel approach for improving recommender system. , 2016, , .		1
131	Multi-level selection of reusable software components. , 2016, , .		1
132	Parallel implementation of Dâ€Phylo algorithm for maximum likelihood clusters. IET Nanobiotechnology, 2017, 11, 134-142.	3.8	1
133	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
134	Data mining on social networks for target advertisement in automobile sector. , 2017, , .		1
135	Hybrid artificial intelligence model based on neural network simulation models for software maintainability prediction. , 2017, , .		1
136	Framework for authentication and access control in IoT. , 2017, , .		1
137	Reconstructing phylogenetic tree using a proteinâ€protein interaction technique. IET Nanobiotechnology, 2017, 11, 1005-1016.	3.8	1
138	Trust modeling for secure route discovery in mobile ad-hoc networks. , 2017, , .		1
139	Modification of Playfair Algorithm Using Genetic Algorithm. , 2018, , .		1
140	Digital Image Security Using Hybrid Visual Cryptography. , 2018, , .		1
141	Understanding Relation between Public Sentiments and Government Policy Reforms. , 2018, , .		1
142	Combination of Virtual Private Network and Wireless Sensor Network: Protection Against The Interference Problem of IOT. , 2019, , .		1
143	Study on Temperature Variation Pattern Based on Data Analytics. , 2019, , .		1
144	Information Gain Model for Efficient Influential Node Identification in Social Networks. , 2019, , .		1

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145	Securing Virtual Machines on Cloud through Game Theory Approach. , 2019, , .		1
146	A Conceptual Framework for Improving the Software Security of Self-Driven Vehicles. , 2019, , .		1
147	A Security Model for Intrusion Detection and Prevention over Wireless Network. , 2019, , .		1
148	A Model to Enhance Security Of Digital Transaction. , 2019, , .		1
149	A Model to Implement and Secure Online Documentation using Blockchain. , 2019, , .		1
150	Artificial Intelligence Based Path Finding and Decision Making in First Person Shooting Game. , 2019, , .		1
151	IOT based Automated Quality Assessment for Fruits and Vegetables using Infrared. , 2019, , .		1
152	Maintaining Reusable Software Components. , 2019, , .		1
153	Enhanced Long Range IRIS Recognition. , 2019, , .		1
154	A Framework for Homogeneous Cross-Project Defect Prediction. International Journal of Software Innovation, 2021, 9, 52-68.	0.4	1
155	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
156	A supervised learning approach for link prediction in complex social networks. International Journal of Advanced Intelligence Paradigms, 2021, 20, 1.	0.3	1
157	Prediction of Cross Project Defects using Ensemble based Multinomial Classifier. EAI Endorsed Transactions on Scalable Information Systems, 2018, .	0.8	1
158	A Framework for User Profile Enrichment in Content-based Recommender Systems by inferring the Semantic Couplings. , 2018, , .		1
159	Sentiment Analysis and Prediction Using Neural Networks. Communications in Computer and Information Science, 2019, , 458-470.	0.5	1
160	Performance Evaluation of Robot Path Planning Using Hybrid TSP Based ACO. Communications in Computer and Information Science, 2019, , 448-457.	0.5	1
161	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
162	Breast Cancer Recurrence Prediction Model Using Machine Learning Technique: State of the Art, Challenges and Future Direction. , 2021, , .		1

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163	Data Center Air Handling Unit Fan Speed Optimization Using Machine Learning Techniques. , 2021, , .		1
164	Special issue on reliability and optimization. International Journal of Systems Assurance Engineering and Management, 2014, 5, 119-119.	2.4	0
165	General maturity model for social messaging application. , 2015, , .		0
166	Weaving Techniques and its impact on execution of classes in Aspect Oriented Programming. , 2015, , .		0
167	Applying FLOOT testing to agile methodology. , 2015, , .		0
168	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
169	Optimizing search query using feature thesaurus and optimizaton tool. , 2017, , .		0
170	Enhancing password security using cyclic group matrix. , 2017, , .		0
171	Notice of Violation of IEEE Publication Princ: Website Promotion Using Soft-Computing Techniques. , 2018, , .		0
172	Statistical Approach for Combating Web Spamming Using Fisher Technique. , 2018, , .		0
173	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
174	Dynamic Clustering of n-Dimensional Data on Tangential Space. , 2018, , .		0
175	Fault Tolerance Based Indexing for Multidimensional Data Bases. , 2019, , .		0
176	Enviroment Monitoring Using Internet of Things â€œ Cloud Burstprediction. , 2019, , .		0
177	A Classical Constraint Satisfaction Problem and its Solution using Artificial Intelligence. , 2019, , .		0
178	Enhancement of Reading Visibility using LED Embedded Whiteboards. , 2019, , .		0
179	Data Security Enhancement in Cloud Computing Using Multimodel Biometric System. , 2019, , .		0
180	Discovering Influential Nodes on Social Media using Gaussian Kernel Method. , 2019, , .		0

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181	Optimizing Autonomous Vehicles to Prevent On-Road Congestion. , 2019, , .		0
182	Diverse IoT Based Gadgets to Update a Moderate Condition of Farmers in India. , 2019, , .		0
183	Enhancing Remembrance of Password as an Image. , 2019, , .		0
184	Substantiation of multinomial classification using ensemble learning approach. IOP Conference Series: Materials Science and Engineering, 2019, 618, 012039.	0.6	0
185	An Intruder Monitoring System for Improving the Network Security. , 2019, , .		0
186	Dihedral Group Matrix: A password security Approach. , 2019, , .		0
187	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
188	Techniques for Sensing Heartbeat using IoT. , 2019, , .		0
189	Influence Prediction Using Bayesian Belief Networks For Real Life Networks. , 2019, , .		0
190	Advanced Gameplay Strategy Based on Grey Wolf Optimization. , 2019, , .		0
191	Prevention of Agricultural Commodities using Artificial Intelligence. , 2019, , .		0
192	Internet of Things in Retail Using Fuzzy Logic for Customer Loyalty. , 2019, , .		0
193	Data Mining Strategies for Drug Analysis on Twitter. , 2019, , .		0
194	Performace Testing Approach for Enterprise Application comprising Serverless Component. , 2021, , .		0
195	Securing Password File Using Bezier Curves. Communications in Computer and Information Science, 2010, , 675-680.	0.5	0
196	Analysing the Genetic Diversity of Commonly Occurring Diseases. Advances in Intelligent Systems and Computing, 2018, , 37-48.	0.6	0
197	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
198	A Framework for User Profile Enrichment in Content-based Recommender Systems by inferring the Semantic Couplings. , 2018, , .		0