

P K Kapur

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1440261/publications.pdf>

Version: 2024-02-01

250
papers

3,388
citations

218381

26
h-index

223531

46
g-index

266
all docs

266
docs citations

266
times ranked

832
citing authors

#	ARTICLE	IF	CITATIONS
1	Software Reliability Assessment with OR Applications. Springer Series in Reliability Engineering, 2011, , .	0.3	252
2	A Unified Approach for Developing Software Reliability Growth Models in the Presence of Imperfect Debugging and Error Generation. IEEE Transactions on Reliability, 2011, 60, 331-340.	3.5	175
3	A software reliability growth model for an error-removal phenomenon. Software Engineering Journal, 1992, 7, 291.	0.7	160
4	Two Dimensional Multi-Release Software Reliability Modeling and Optimal Release Planning. IEEE Transactions on Reliability, 2012, 61, 758-768.	3.5	109
5	Genetic algorithm based multi-objective reliability optimization in interval environment. Computers and Industrial Engineering, 2012, 62, 152-160.	3.4	100
6	Flexible software reliability growth model with testing effort dependent learning process. Applied Mathematical Modelling, 2008, 32, 1298-1307.	2.2	71
7	Two-way assessment of barriers to Leanâ€“Green Manufacturing System: insights from India. International Journal of Systems Assurance Engineering and Management, 2016, 7, 400-407.	1.5	67
8	Modeling and measuring attributes influencing DevOps implementation in an enterprise using structural equation modeling. Information and Software Technology, 2017, 92, 75-91.	3.0	57
9	Multi up-gradation software reliability model. , 2010, , .		45
10	Optimal software release policies for software reliability growth models under imperfect debugging. RAIRO - Operations Research, 1990, 24, 295-305.	1.0	45
11	Multi up-gradation software reliability growth model with imperfect debugging. International Journal of Systems Assurance Engineering and Management, 2010, 1, 299-306.	1.5	44
12	Optimal release policies for software systems with testing effort. International Journal of Systems Science, 1991, 22, 1563-1571.	3.7	41
13	Costâ€“reliability optimum release policies for a software system under penalty cost. International Journal of Systems Science, 1989, 20, 2547-2562.	3.7	39
14	Software reliability growth model with error dependency. Microelectronics Reliability, 1995, 35, 273-278.	0.9	39
15	SOFTWARE RELIABILITY GROWTH MODELLING FOR ERRORS OF DIFFERENT SEVERITY USING CHANGE POINT. International Journal of Reliability, Quality and Safety Engineering, 2007, 14, 311-326.	0.4	39
16	Optimal allocation of testing effort during testing and debugging phases: a control theoretic approach. International Journal of Systems Science, 2013, 44, 1639-1650.	3.7	39
17	Some replacement policies with minimal repairs and repair cost limit. International Journal of Systems Science, 1989, 20, 267-279.	3.7	36
18	Consumer behaviour-based innovation diffusion modelling using stochastic differential equation incorporating change in adoption rate. International Journal of Technology Marketing, 2012, 7, 346.	0.1	36

#	ARTICLE	IF	CITATIONS
19	Software reliability growth model with change-point and effort control using a power function of the testing time. International Journal of Production Research, 2008, 46, 771-787.	4.9	34
20	Optimal testing resource allocation during module testing considering cost, testing effort and reliability. Computers and Industrial Engineering, 2009, 57, 1122-1130.	3.4	32
21	A SOFTWARE RELIABILITY GROWTH MODEL WITH TESTING EFFORT DEPENDENT LEARNING FUNCTION FOR DISTRIBUTED SYSTEMS. International Journal of Reliability, Quality and Safety Engineering, 2004, 11, 365-377.	0.4	31
22	Modelling an imperfect debugging phenomenon in software reliability. Microelectronics Reliability, 1996, 36, 645-650.	0.9	29
23	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.	1.5	29
24	Optimal release policies for a flexible software reliability growth model. Reliability Engineering and System Safety, 1992, 35, 49-54.	5.1	28
25	Stochastic Differential Equation-Based Flexible Software Reliability Growth Model. Mathematical Problems in Engineering, 2009, 2009, 1-15.	0.6	28
26	OPTIMAL ALLOCATION OF TESTING RESOURCE FOR A MODULAR SOFTWARE. Asia-Pacific Journal of Operational Research, 2004, 21, 333-354.	0.9	26
27	Determining adoption pattern with pricing using two-dimensional innovation diffusion model. Journal of High Technology Management Research, 2010, 21, 136-146.	2.7	26
28	Modelling and measuring code smells in enterprise applications using TISM and two-way assessment. International Journal of Systems Assurance Engineering and Management, 2016, 7, 332-340.	1.5	26
29	An S-shaped software reliability growth model with two types of errors. Microelectronics Reliability, 1990, 30, 1085-1090.	0.9	25
30	Ranking hotels using aspect ratings based sentiment classification and interval-valued neutrosophic TOPSIS. International Journal of Systems Assurance Engineering and Management, 2019, 10, 973-983.	1.5	23
31	Software quality assurance using software reliability growth modelling: state of the art. International Journal of Business Information Systems, 2010, 6, 463.	0.2	21
32	Optimal replenishment and credit policy in EOQ model under two-levels of trade credit policy when demand is influenced by credit period. International Journal of Systems Assurance Engineering and Management, 2012, 3, 352-359.	1.5	21
33	Predicting the complexity of code changes using entropy based measures. International Journal of Systems Assurance Engineering and Management, 2014, 5, 155-164.	1.5	21
34	Release time problem with multiple constraints. International Journal of Systems Assurance Engineering and Management, 2015, 6, 83-91.	1.5	20
35	When to Release and Stop Testing of a Software. Journal of the Indian Society for Probability and Statistics, 2017, 18, 19-37.	0.3	20
36	Multi up-gradation software reliability growth model with faults of different severity. , 2011, , .		19

#	ARTICLE	IF	CITATIONS
37	On allocation of resources during testing phase of a modular software. International Journal of Systems Science, 2007, 38, 493-499.	3.7	18
38	OPTIMAL TESTING RESOURCE ALLOCATION FOR MODULAR SOFTWARE CONSIDERING COST, TESTING EFFORT AND RELIABILITY USING GENETIC ALGORITHM. International Journal of Reliability, Quality and Safety Engineering, 2009, 16, 495-508.	0.4	18
39	An innovation diffusion model for consumer durables with three parameters. Journal of Management Analytics, 2016, 3, 240-265.	1.6	18
40	OPTIMAL COMPONENT SELECTION OF COTS BASED SOFTWARE SYSTEM UNDER CONSENSUS RECOVERY BLOCK SCHEME INCORPORATING EXECUTION TIME. International Journal of Reliability, Quality and Safety Engineering, 2010, 17, 209-222.	0.4	17
41	MODELING TWO-DIMENSIONAL SOFTWARE MULTI-UPGRADATION AND RELATED RELEASE PROBLEM (A) Tj ETQq1 1 0.784314 rgBT /O Engineering, 2012, 19, 1250012.	0.4	17
42	Optimal cost: a criterion to release multiple versions of software. International Journal of Systems Assurance Engineering and Management, 2014, 5, 174-180.	1.5	17
43	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.	1.5	17
44	Integrated dynamic vendor selection and order allocation problem for the time dependent and stochastic data. Benchmarking, 2018, 25, 777-796.	2.9	17
45	Testing Effort Control Through Software Reliability Growth Modelling. International Journal of Modelling and Simulation, 2002, 22, 90-96.	2.3	16
46	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.	0.4	16
47	A multi-attribute approach for release time and reliability trend analysis of a software. International Journal of Systems Assurance Engineering and Management, 2012, 3, 246-254.	1.5	16
48	Modelling diffusion of successive generations of technology: a general framework. International Journal of Operational Research, 2013, 16, 465.	0.1	16
49	Release and testing stop time of a software using multi-attribute utility theory. Life Cycle Reliability and Safety Engineering, 2017, 6, 47-55.	0.6	16
50	Release policies with random software life cycle and penalty cost. Microelectronics Reliability, 1993, 33, 7-12.	0.9	15
51	Bicriterion release policy for exponential software reliability growth model. RAIRO - Operations Research, 1994, 28, 165-180.	1.0	15
52	Optimal advertising control policy for a new product in segmented market. Opsearch, 2009, 46, 225-237.	1.1	15
53	Dynamic optimal control model for profit maximization of software product under the influence of promotional effort. Journal of High Technology Management Research, 2012, 23, 122-129.	2.7	15
54	Generalized Innovation Diffusion Modeling & Weighted Criteria Based Ranking. , 2014, .		15

#	ARTICLE	IF	CITATIONS
55	A discrete SRGM for multi release software system. International Journal of Industrial and Systems Engineering, 2014, 16, 143.	0.1	15
56	A comparative study of vulnerability discovery modeling and software reliability growth modeling. , 2015, , .		15
57	User-dependent vulnerability discovery model and its interdisciplinary nature. Life Cycle Reliability and Safety Engineering, 2017, 6, 23-29.	0.6	15
58	Software Reliability Growth Models. Springer Series in Reliability Engineering, 2011, , 49-95.	0.3	15
59	GENERAL FRAMEWORK FOR CHANGE POINT PROBLEM IN SOFTWARE RELIABILITY AND RELATED RELEASE TIME PROBLEM. International Journal of Reliability, Quality and Safety Engineering, 2009, 16, 567-579.	0.4	14
60	A UNIFIED APPROACH FOR DEVELOPING SOFTWARE RELIABILITY GROWTH MODEL USING INFINITE SERVER QUEUING MODEL. International Journal of Reliability, Quality and Safety Engineering, 2010, 17, 401-424.	0.4	14
61	Vulnerability discovery model for a software system using stochastic differential equation. , 2015, , .		14
62	Selecting appropriate cloud solution for managing big data projects using hybrid AHP-entropy based assessment. , 2016, , .		14
63	RELIABILITY ANALYSIS OF PROJECT AND PRODUCT TYPE SOFTWARE IN OPERATIONAL PHASE INCORPORATING THE EFFECT OF FAULT REMOVAL EFFICIENCY. International Journal of Reliability, Quality and Safety Engineering, 2007, 14, 219-240.	0.4	13
64	Simultaneous allocation of testing time and resources for a modular software. International Journal of Systems Assurance Engineering and Management, 2010, 1, 351-361.	1.5	13
65	A stochastic formulation of successive software releases with faults severity. , 2011, , .		13
66	Release and testing stop time of a software: A new insight. , 2015, , .		13
67	Modeling two-dimensional technology diffusion process under dynamic adoption rate. Journal of Modelling in Management, 2019, 14, 717-737.	1.1	13
68	Optimum release policy for an inflection s-shaped software reliability growth model. Microelectronics Reliability, 1991, 31, 39-41.	0.9	12
69	Reliability growth modeling and optimal release policy under fuzzy environment of an N-version programming system incorporating the effect of fault removal efficiency. International Journal of Automation and Computing, 2007, 4, 369-379.	4.5	12
70	Optimal release and patching time of software with warranty. International Journal of Systems Assurance Engineering and Management, 2016, 7, 462-468.	1.5	12
71	A General Software Reliability Growth Model with Testing Effort Dependent Learning Process. International Journal of Modelling and Simulation, 2007, 27, 340-346.	2.3	11
72	Bass model revisited. Journal of Statistics and Management Systems, 2008, 11, 413-437.	0.3	11

#	ARTICLE	IF	CITATIONS
73	On the development of innovation diffusion model using stochastic differential equation incorporating change in the adoption rate. International Journal of Operational Research, 2012, 14, 472.	0.1	11
74	SOFTWARE RELEASE TIME BASED ON DIFFERENT MULTI-ATTRIBUTE UTILITY FUNCTIONS. International Journal of Reliability, Quality and Safety Engineering, 2013, 20, 1350012.	0.4	11
75	A unified approach for successive release of a software under two types of imperfect debugging. , 2014, , .		11
76	A software up-gradation model with testing effort and two types of imperfect debugging. , 2015, , .		11
77	Vulnerability Patch Modeling. International Journal of Reliability, Quality and Safety Engineering, 2016, 23, 1640013.	0.4	11
78	Multi-criteria intuitionistic fuzzy group decision analysis with TOPSIS method for selecting appropriate cloud solution to manage big data projects. International Journal of Systems Assurance Engineering and Management, 2016, 7, 316-324.	1.5	11
79	Assessment of environmental factors affecting software development process using ISM & MICMAC analysis. International Journal of Systems Assurance Engineering and Management, 2016, 7, 435-441.	1.5	11
80	Measuring and evaluating data distribution strategies using an integrated approach of fuzzy based MOORA and AHP. Life Cycle Reliability and Safety Engineering, 2017, 6, 37-45.	0.6	11
81	A Multi Release Cost Model in Distributed Environment. International Journal of Reliability, Quality and Safety Engineering, 2017, 24, 1750001.	0.4	11
82	Stochastic Behaviour of Some 2-Unit Redundant Systems. IEEE Transactions on Reliability, 1978, R-27, 382-385.	3.5	10
83	Innovation diffusion of successive generations of high technology products. , 2010, , .		10
84	A unified scheme for developing software reliability growth models using stochastic differential equations. International Journal of Operational Research, 2012, 15, 48.	0.1	10
85	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.	1.5	10
86	A unified approach for optimal release, patching and testing time of a software. International Journal of Mathematics in Operational Research, 2018, 13, 471.	0.1	10
87	Modeling innovation adoption incorporating time lag between awareness and adoption process. International Journal of Systems Assurance Engineering and Management, 2019, 10, 83-90.	1.5	10
88	Analytical evaluation of agile success factors influencing quality in software industry. International Journal of Systems Assurance Engineering and Management, 2020, 11, 247-257.	1.5	10
89	Unified framework to assess software reliability and determine optimal release time in presence of fault reduction factor, error generation and fault removal efficiency. International Journal of Systems Assurance Engineering and Management, 2022, 13, 2429-2441.	1.5	10
90	A 2-Dissimilar-Unit Redundant System With Repair And Preventive Maintenance. IEEE Transactions on Reliability, 1975, R-24, 274-274.	3.5	9

#	ARTICLE	IF	CITATIONS
91	A 2-Unit Warm-Standby Redundant System With Delay and One Repair Facility. IEEE Transactions on Reliability, 1975, R-24, 275-275.	3.5	9
92	OPTIMAL PRICE AND RELEASE TIME OF A SOFTWARE UNDER WARRANTY. International Journal of Reliability, Quality and Safety Engineering, 2013, 20, 1340004.	0.4	9
93	The impact of bugs reported from operational phase on successive software releases. International Journal of Productivity and Quality Management, 2014, 14, 423.	0.1	9
94	Modelling successive generations for products-in-use and number of products sold in the market. International Journal of Operational Research, 2015, 24, 228.	0.1	9
95	Fault severity based multi-release SRGM with testing resources. International Journal of Systems Assurance Engineering and Management, 2015, 6, 36-43.	1.5	9
96	On allocation of resources during testing phase incorporating flexible software reliability growth model with testing effort under dynamic environment. International Journal of Operational Research, 2017, 30, 523.	0.1	9
97	Joint Release and Testing Stop Time Policy with Testing-Effort and Change Point. , 2019, , 209-222.		9
98	Software release and testing stop time decision with change point. International Journal of Systems Assurance Engineering and Management, 2020, 11, 196-207.	1.5	9
99	Entropy-Based Two-Dimensional Software Reliability Growth Modeling for Open-Source Software Incorporating Change-Point. International Journal of Reliability, Quality and Safety Engineering, 2020, 27, 2040009.	0.4	9
100	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.	1.5	9
101	Intermittently used redundant system. Microelectronics Reliability, 1978, 17, 593-596.	0.9	8
102	Transient solutions of a software reliability model with imperfect debugging and error generation. Microelectronics Reliability, 1992, 32, 475-478.	0.9	8
103	SOFTWARE RELIABILITY GROWTH AND INNOVATION DIFFUSION MODELS: AN INTERFACE. International Journal of Reliability, Quality and Safety Engineering, 2004, 11, 339-364.	0.4	8
104	Measuring Reliability Growth of Open Source Software by Applying Stochastic Differential Equations. , 2010, , .		8
105	Measuring software testing efficiency using two-way assessment technique. , 2014, , .		8
106	Multi-generational innovation diffusion modelling: a two dimensional approach. International Journal of Applied Management Science, 2015, 7, 1.	0.1	8
107	Measuring brand health. , 2015, , .		8
108	A discrete SRGM for multi-release software system with imperfect debugging and related optimal release policy. , 2015, , .		8

#	ARTICLE	IF	CITATIONS
109	Bi-Criterion Problem to Determine Optimal Vulnerability Discovery and Patching Time. International Journal of Reliability, Quality and Safety Engineering, 2018, 25, 1850002.	0.4	8
110	Modeling Technological Substitution by Incorporating Dynamic Adoption Rate. International Journal of Innovation and Technology Management, 2019, 16, .	0.8	8
111	Analyzing the impact of review recency on helpfulness through econometric modeling. International Journal of Systems Assurance Engineering and Management, 2021, 12, 104-111.	1.5	8
112	Utility based Tool to Assess Overall Effectiveness of HRD Instruments. International Journal of Business Analytics, 2017, 4, 20-36.	0.2	8
113	Hierarchical framework for analysing the challenges of implementing industrial Internet of Things in manufacturing industries using ISM approach. International Journal of Systems Assurance Engineering and Management, 2022, 13, 2356-2370.	1.5	8
114	Optimal number of minimal repairs before replacement with repair cost limit. Reliability Engineering and System Safety, 1989, 26, 35-46.	5.1	7
115	Optimal Reliability Allocation Problem for a Modular Software System. Opsearch, 2003, 40, 138-148.	1.1	7
116	Optimising adoption of a single product in multi-segmented market using innovation diffusion model with consumer balking. International Journal of Technology Marketing, 2010, 5, 234.	0.1	7
117	STOCHASTIC DIFFERENTIAL EQUATION BASED SRGM FOR ERRORS OF DIFFERENT SEVERITY WITH TESTING-EFFORT. International Journal of Reliability, Quality and Safety Engineering, 2010, 17, 179-197.	0.4	7
118	Optimal release policy under fuzzy environment. International Journal of Systems Assurance Engineering and Management, 2011, 2, 48-58.	1.5	7
119	Multi Release Cost Model " A New Perspective. International Journal of Reliability, Quality and Safety Engineering, 2017, 24, 1740007.	0.4	7
120	A General Framework for Modeling of Multiple-Version Software with Change-Point. Springer Proceedings in Business and Economics, 2018, , 17-32.	0.3	7
121	A discrete SRGM for multi-release software system with faults of different severity. International Journal of Operational Research, 2018, 32, 156.	0.1	7
122	Joint optimization of software time-to-market and testing duration using multi-attribute utility theory. Annals of Operations Research, 2022, 312, 305-332.	2.6	7
123	Assessment of Software Vulnerabilities using Best-Worst Method and Two-Way Analysis. International Journal of Mathematical, Engineering and Management Sciences, 2020, 5, 328-342.	0.4	7
124	Effect of Standby Redundancy on System Reliability. IEEE Transactions on Reliability, 1976, R-25, 120-121.	3.5	6
125	An exponential SRGM with a bound on the number of failures. Microelectronics Reliability, 1993, 33, 1245-1249.	0.9	6
126	Flexible Software Reliability Growth Models for Distributed Systems. Opsearch, 2005, 42, 378-398.	1.1	6

#	ARTICLE	IF	CITATIONS
127	A Unified Modeling Framework Incorporating Change-Point for Measuring Reliability Growth during Software Testing. Opsearch, 2008, 45, 317-334.	1.1	6
128	A unified approach for developing two-dimensional software reliability model. International Journal of Operational Research, 2012, 13, 318.	0.1	6
129	PROFIT ESTIMATION FOR A PRODUCT UNDER WARRANTY: AN EVALUATION BASED ON CUSTOMER'S EXPECTATION AND SATISFACTION. International Journal of Reliability, Quality and Safety Engineering, 2014, 21, 1450029.	0.4	6
130	When to stop testing multi upgradations of software based on cost criteria. International Journal of Systems Science: Operations and Logistics, 2014, 1, 84-93.	2.0	6
131	Optimal price and testing time of a software under warranty and two types of imperfect debugging. International Journal of Systems Assurance Engineering and Management, 2014, 5, 120-126.	1.5	6
132	Optimal profit for manufacturers in product remanufacturing diffusion dynamics. Journal of Industrial and Production Engineering, 2017, 34, 568-579.	2.1	6
133	Multi-generation diffusion of technology. , 2017, , .		6
134	Effort-based software release and testing stop time decisions. International Journal of Reliability and Safety, 2019, 13, 179.	0.2	6
135	Software reliability prediction and release time management with coverage. International Journal of Quality and Reliability Management, 2022, 39, 741-761.	1.3	6
136	Availability measures for an intermittently used repairable system. Microelectronics Reliability, 1983, 23, 841-844.	0.9	5
137	Interval reliability of a two-unit stand-by redundant system. Microelectronics Reliability, 1983, 23, 167-168.	0.9	5
138	Generalised availability measures for a two-unit intermittently used repairable system. Microelectronics Reliability, 1984, 24, 29-34.	0.9	5
139	A General Discrete Software Reliability Growth Model. International Journal of Modelling and Simulation, 1998, 18, 60-65.	2.3	5
140	ON THE DEVELOPMENT OF UNIFIED SCHEME FOR DISCRETE SOFTWARE RELIABILITY GROWTH MODELING. International Journal of Reliability, Quality and Safety Engineering, 2010, 17, 245-260.	0.4	5
141	Optimal allocation of promotional resource for multi-product in segmented market for dynamic potential adopter and repeat purchasing diffusion models. International Journal of Advanced Operations Management, 2011, 3, 257.	0.3	5
142	PREDICTING SOFTWARE RELIABILITY IN A FUZZY FIELD ENVIRONMENT. International Journal of Reliability, Quality and Safety Engineering, 2013, 20, 1340001.	0.4	5
143	Exploratory study to identify critical success factors penetration in ERP implementations. , 2014, , .		5
144	Application of multi attribute utility theory in multiple releases of software. International Journal of Systems Assurance Engineering and Management, 2015, 6, 61-70.	1.5	5

#	ARTICLE	IF	CITATIONS
145	Multi release modeling of a software with testing effort and fault reduction factor. , 2016, , .		5
146	Software Release and Patching Time with Warranty Using Change Point. Springer Proceedings in Business and Economics, 2018, , 369-382.	0.3	5
147	Modeling technology diffusion: a study based on market coverage and advertising efforts. International Journal of Systems Assurance Engineering and Management, 2020, 11, 154-162.	1.5	5
148	Changeâ€­pointsâ€­based software scheduling. Quality and Reliability Engineering International, 2021, 37, 3282-3296.	1.4	5
149	On the Development of Discrete Software Reliability Growth Models. , 2008, , 1239-1255.		5
150	Analysis of 2-Unit Standby Redundant Repairable Systems. IEEE Transactions on Reliability, 1978, R-27, 385-388.	3.5	4
151	Two-unit redundant system with random switchover time and two types of repair. Microelectronics Reliability, 1979, 19, 325-328.	0.9	4
152	First uptime and disappointment time joint distribution of an intermittently used system. Microelectronics Reliability, 1980, 20, 891-893.	0.9	4
153	Optimum maintenance policies maximizing service reliability. International Journal of Systems Science, 1990, 21, 217-224.	3.7	4
154	A generalized reliability growth model for open source software. , 2010, , .		4
155	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.	0.1	4
156	Flexible Discrete Software Reliability Growth Model for Distributed Environment Incorporating Two Types of Imperfect Debugging. , 2012, , .		4
157	A Method for Selecting a Model to Estimate the Reliability of a Software Component in a Dynamic System. , 2013, , .		4
158	Assessment of quality factors in enterprise application integration. , 2015, , .		4
159	Multi up-gradation software reliability growth model with learning effect and severity of faults using SDE. International Journal of Systems Assurance Engineering and Management, 2015, 6, 18-25.	1.5	4
160	Exploring disaster recovery parameters in an enterprise application. , 2016, , .		4
161	Assessing optimal patch release time for vulnerable software systems. , 2016, , .		4
162	Severity measure of issues creating vulnerabilities in websites using two way assessment technique. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
163	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
164	Prioritizing and Optimizing Disaster Recovery Solution using Analytic Network Process and Multi Attribute Utility Theory. International Journal of Information Technology and Decision Making, 2019, 18, 171-207.	2.3	4
165	Multi-generational technology management in a segmented environment. International Journal of Product Development, 2020, 24, 1.	0.2	4
166	Two-phase methodology for prioritization and utility assessment of software vulnerabilities. International Journal of Systems Assurance Engineering and Management, 2020, 11, 289-300.	1.5	4
167	Technology diffusion model with change in adoption rate and repeat purchases: a case of consumer balking. International Journal of Systems Assurance Engineering and Management, 2021, 12, 29-36.	1.5	4
168	Optimal decisions on software release and post-release testing: A unified approach. Yugoslav Journal of Operations Research, 2021, 31, 165-180.	0.5	4
169	Determining Software Time-to-Market and Testing Stop Time when Release Time is a Change-Point. International Journal of Mathematical, Engineering and Management Sciences, 2020, 5, 208-224.	0.4	4
170	Reliability Model with 1 or 2 Repair Channels. IEEE Transactions on Reliability, 1975, R-24, 147-148.	3.5	3
171	A note on repair limit suspension policies for a 2-unit standby redundant system with two phase repairs. Microelectronics Reliability, 1978, 17, 591-592.	0.9	3
172	Joint Optimum Preventive-Maintenance and Repair-Limit Replacement Policies. IEEE Transactions on Reliability, 1980, R-29, 279-280.	3.5	3
173	Generalised availability measures for a multi-unit repairable system with standby failure. Microelectronics Reliability, 1984, 24, 637-646.	0.9	3
174	Optimum inspection policies for a computer system with hidden failure. International Journal of Systems Science, 1987, 18, 601-609.	3.7	3
175	Compound availability measures for a two-unit standby system. Microelectronics Reliability, 1990, 30, 425-429.	0.9	3
176	On a general imperfect debugging software reliability growth model. Microelectronics Reliability, 1994, 34, 1397-1403.	0.9	3
177	On Discrete Software Reliability Growth Model & Categorization of Faults. Opsearch, 2005, 42, 340-354.	1.1	3
178	A reliability growth model for object oriented software developed under concurrent distributed development environment. , 2010, , .		3
179	Measuring reliability growth of software by considering fault dependency, debugging time Lag functions and irregular fluctuation. Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM, 2010, 35, 1-11.	0.5	3
180	Optimal testing resource allocation for modular software considering imperfect debugging and change point using genetic algorithm. , 2010, , .		3

#	ARTICLE	IF	CITATIONS
181	Unified framework for developing Two Dimensional software reliability growth models with change point. , 2011, , .		3
182	Optimal strategies for price-warranty decision model of software product with dynamic production cost. , 2014, , .		3
183	Innovation diffusion models incorporating time lag between innovators and imitators adoption. , 2014, , .		3
184	When to stop testing under warranty using SRGM with change-point. , 2014, , .		3
185	Measuring testing efficiency: An alternative approach. , 2015, , .		3
186	Customer behavior dependent diffusion process & optimal model selection using distance based approach. , 2015, , .		3
187	Modeling Two-Dimensional Framework for Multi-Upgradations of a Software with Change Point. International Journal of Reliability, Quality and Safety Engineering, 2016, 23, 1640008.	0.4	3
188	Measuring testing efficiency & effectiveness for software upgradation and its impact on CBP. , 2016, , .		3
189	A generalized framework for modelling multi up-gradations of a software with testing effort and change point. , 2016, , .		3
190	Optimization Problems for a Modular Software with Faults of Different Severity. International Journal of Reliability, Quality and Safety Engineering, 2016, 23, 1640004.	0.4	3
191	Modelling fault detection with change-point in agile software development environment. , 2017, , .		3
192	Discrete-Time Framework for Determining Optimal Software Release and Patching Time. Springer Proceedings in Business and Economics, 2018, , 129-141.	0.3	3
193	Modeling Fault Detection Phenomenon in Multiple Sprints for Agile Software Environment. Springer Proceedings in Business and Economics, 2018, , 251-263.	0.3	3
194	Reliability Analysis for Upgraded Software with Updates. Springer Proceedings in Business and Economics, 2018, , 323-333.	0.3	3
195	Predicting diffusion dynamics and launch time strategy for mobile telecommunication services: an empirical analysis. Information Technology and Management, 2021, 22, 33-51.	1.4	3
196	Should Software Testing Continue After Release of a Software: A New Perspective. , 2021, , 709-737.		3
197	Availability measures for various multi-unit systems. Microelectronics Reliability, 1986, 26, 1089-1097.	0.9	2
198	Release time decision policy of software employed for the safety of critical system under uncertainty. Opsearch, 2008, 45, 209-224.	1.1	2

#	ARTICLE	IF	CITATIONS
199	Development of software reliability growth model incorporating enhancement of features and related release policy. International Journal of Systems Assurance Engineering and Management, 2010, 1, 52-58.	1.5	2
200	Replenishment decisions under two-level credit policy for flexible credit linked demand. International Journal of Operational Research, 2013, 18, 239.	0.1	2
201	Multi up gradation model under distributed environment. , 2014, , .		2
202	Generalized discrete time model for multi generational technological products. , 2015, , .		2
203	Developing software reliability growth model for multi up gradations with faults of different severity and related release time problem. , 2015, , .		2
204	Optimal Reliability Equivalence Factor for Reliability System Improvement Using Memetic Algorithm. International Journal of Reliability, Quality and Safety Engineering, 2017, 24, 1740008.	0.4	2
205	User-based multi-upgradation vulnerability discovery model. , 2017, , .		2
206	Effort and coverage dependent vulnerability discovery modeling. , 2017, , .		2
207	Generalised framework for optimal pre and post release software testing in presence of warranty. International Journal of Procurement Management, 2018, 11, 172.	0.1	2
208	Software Release Time Problem Revisited. Asset Analytics, 2019, , 295-305.	0.4	2
209	Optimizing the Defect Prioritization in Enterprise Application Integration. Advances in Intelligent Systems and Computing, 2019, , 585-597.	0.5	2
210	Prioritising vulnerabilities using ANP and evaluating their optimal discovery and patch release time. International Journal of Mathematics in Operational Research, 2019, 14, 236.	0.1	2
211	Evaluation and Selection of Software Vulnerabilities. International Journal of Reliability, Quality and Safety Engineering, 2020, 27, 2040014.	0.4	2
212	On interdisciplinarity between product adoption and vulnerability discovery modeling. International Journal of Systems Assurance Engineering and Management, 2021, 12, 176-187.	1.5	2
213	When to Start Remanufacturing Using Adopter Categorization. Springer Proceedings in Business and Economics, 2018, , 443-465.	0.3	2
214	A GENERAL SOFTWARE RELIABILITY GROWTH MODEL WITH TESTING EFFORT DEPENDENT LEARNING PROCESS. International Journal of Modelling and Simulation, 2007, 27, .	2.3	2
215	Intermittent Complex Systems. IEEE Transactions on Reliability, 1975, R-24, 276-277.	3.5	1
216	Allocation policy for testing effort of modular software system under budgetary constraint. Journal of Information and Optimization Sciences, 2011, 32, 315-337.	0.2	1

#	ARTICLE	IF	CITATIONS
217	Software release time problem with learning function under fuzzy environment. , 2014, , .		1
218	Prioritization and ranking of ERP testing components. , 2015, , .		1
219	Estimation of the Frank copula model for dependent competing risks in accelerated life testing. International Journal of Systems Assurance Engineering and Management, 2016, 8, 673.	1.5	1
220	Special issue on reliability, infocomm technology and business operations. International Journal of Systems Assurance Engineering and Management, 2016, 7, 399-399.	1.5	1
221	Strategic Price, Warranty and Profit Maximization Model of a Software Product Using Dynamic Optimization. International Journal of Reliability, Quality and Safety Engineering, 2016, 23, 1650002.	0.4	1
222	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.	0.4	1
223	Evolutionary Algorithm Based Faults Optimization of Multi-modular Software. Smart Innovation, Systems and Technologies, 2018, , 281-291.	0.5	1
224	Fixing of Faults and Vulnerabilities via Single Patch. Springer Proceedings in Business and Economics, 2018, , 175-190.	0.3	1
225	Three-dimensional wiener process based entropy prediction modelling for OSS. International Journal of Systems Assurance Engineering and Management, 2021, 12, 188-198.	1.5	1
226	Imperfect Debugging/Testing Efficiency Software Reliability Growth Models. Springer Series in Reliability Engineering, 2011, , 97-130.	0.3	1
227	Artificial Neural Networks Based SRGM. Springer Series in Reliability Engineering, 2011, , 255-282.	0.3	1
228	Two-Dimensional Framework to Optimize Release Time and Warranty. Springer Proceedings in Business and Economics, 2018, , 383-404.	0.3	1
229	Studying BHIM App Adoption using Bass Model: An Indian Perspective. International Journal of Mathematical, Engineering and Management Sciences, 2019, 5, 120-135.	0.4	1
230	Correction to a paper by Srivastava, Garg and Govil. Microelectronics Reliability, 1974, 13, 57-58.	0.9	0
231	Correction A 2-Unit Warm-Standby Redundant System with Delay and One Repair Facility. IEEE Transactions on Reliability, 1978, R-27, 388-388.	3.5	0
232	Optimal component selection of COTS based software system under recovery block scheme incorporating execution time. International Journal of Systems Assurance Engineering and Management, 2010, 1, 77-83.	1.5	0
233	Special issue on reliability and optimization. International Journal of Systems Assurance Engineering and Management, 2014, 5, 119-119.	1.5	0
234	Optimal release time determination for multi upgradation SRGM with faults of different severity using genetic algorithm. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
235	A generalized framework for multi release of a software under Distributed Environment. , 2015, , .		0
236	Software reliability viz-a-viz product diffusion: Modeling based interdisciplinary research framework. , 2016, , .		0
237	User based fault detection, vulnerability discovery and patching: An interdisciplinary research. , 2017, , .		0
238	Measuring architecture and design efficiency for enterprise applications. International Journal of Industrial and Systems Engineering, 2018, 28, 494.	0.1	0
239	Predicting Code Merge Conflicts and Selecting Optimal Code Branching Strategy for Quality Improvement in Banking Sector. Asset Analytics, 2019, , 15-33.	0.4	0
240	Measuring Severity of Attributes That Create Vulnerabilities in Websites and Software Applications Using Two Way Assessment Technique. Journal of Cases on Information Technology, 2019, 21, 39-50.	0.7	0
241	Measuring and Evaluating Best Practices in Agile Testing Environment Using AHP. Asset Analytics, 2021, , 475-495.	0.4	0
242	Fault Tolerant Systems. Springer Series in Reliability Engineering, 2011, , 451-512.	0.3	0
243	Allocation Problems at Unit Level Testing. Springer Series in Reliability Engineering, 2011, , 405-449.	0.3	0
244	Unification of SRGM. Springer Series in Reliability Engineering, 2011, , 215-253.	0.3	0
245	Software Release Time Decision Problems. Springer Series in Reliability Engineering, 2011, , 347-403.	0.3	0
246	Discrete SRGM. Springer Series in Reliability Engineering, 2011, , 313-346.	0.3	0
247	Change-Point Models. Springer Series in Reliability Engineering, 2011, , 171-213.	0.3	0
248	SRGM Using SDE. Springer Series in Reliability Engineering, 2011, , 283-312.	0.3	0
249	Diffusion Modeling Framework for Adoption of Competitive Brands. Asset Analytics, 2019, , 307-320.	0.4	0
250	Two-Dimensional Vulnerability Patching Model. Asset Analytics, 2019, , 321-331.	0.4	0