

Vijay Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

369
citations

759233

12
h-index

888059

17
g-index

41
all docs

41
docs citations

41
times ranked

197
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal allocation of testing effort during testing and debugging phases: a control theoretic approach. International Journal of Systems Science, 2013, 44, 1639-1650.	5.5	39
2	Software Code Smell Prediction Model Using Shannon, R�nyi and Tsallis Entropies. Entropy, 2018, 20, 372.	2.2	30
3	Modeling and Characterizing Software Vulnerabilities. International Journal of Mathematical, Engineering and Management Sciences, 2017, 2, 288-299.	0.7	26
4	Improving the tribological performance of canola oil by adding CuO nanoadditives for steel/steel contact. Materials Today: Proceedings, 2020, 28, 1392-1396.	1.8	21
5	Release time problem with multiple constraints. International Journal of Systems Assurance Engineering and Management, 2015, 6, 83-91.	2.4	20
6	New Product Launching with Pricing, Free Replacement, Rework, and Warranty Policies via Genetic Algorithmic Approach. International Journal of Computational Intelligence Systems, 2019, 12, 519.	2.7	20
7	Cost-Reliability-Optimal Release Time of Software with Patching Considered. International Journal of Reliability, Quality and Safety Engineering, 2018, 25, 1850018.	0.6	18
8	Two-Dimensional Multi-Release Software Reliability Modeling for Fault Detection and Fault Correction Processes. International Journal of Reliability, Quality and Safety Engineering, 2016, 23, 1640002.	0.6	16
9	A novel CRITIC�TOPSIS approach for optimal selection of software reliability growth model (SRGM). Quality and Reliability Engineering International, 2022, 38, 2501-2520.	2.3	16
10	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.	4.9	15
11	Bug prediction modeling using complexity of code changes. International Journal of Systems Assurance Engineering and Management, 2015, 6, 44-60.	2.4	14
12	Extracting rules for vulnerabilities detection with static metrics using machine learning. International Journal of Systems Assurance Engineering and Management, 2021, 12, 65-76.	2.4	14
13	Selection of optimal software reliability growth models using an integrated entropy�Technique for Order Preference by Similarity to an Ideal Solution (TOPSIS) approach. Mathematical Methods in the Applied Sciences, 0, , .	2.3	13
14	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
15	An effort allocation model considering different budgetary constraint on fault detection process and fault correction process. Decision Science Letters, 2016, , 143-156.	1.2	11
16	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.	0.2	9
17	Dynamic testing resource allocation modeling for multi-release software using optimal control theory and genetic algorithm. International Journal of Quality and Reliability Management, 2020, 37, 1049-1069.	2.0	9
18	Two-dimensional multi-release software modelling with testing effort, time and two types of imperfect debugging. International Journal of Reliability and Safety, 2016, 10, 368.	0.2	8

#	ARTICLE	IF	CITATIONS
19	Crow Search Optimization Based Approach for Parameter Estimation of SRGMs. , 2019, , .		8
20	Optimal promotional policy of an innovation diffusion model incorporating the brand image in a segment-specific market. Journal of Management Analytics, 2022, 9, 120-136.	2.5	8
21	Resource Allocation Problem for Multi Versions of Software System. , 2019, , .		5
22	Optimal Promotional Effort Policy in Innovation Diffusion Model Incorporating Dynamic Market Size in Segment Specific Market. International Journal of Mathematical, Engineering and Management Sciences, 2020, 5, 682-696.	0.7	5
23	Study of bug prediction modeling using various entropy measures- a theoretical approach. , 2014, , .		4
24	Optimizing Replica Creation using Agents in Data Grids. , 2019, , .		4
25	Empirical evaluation of code smells in open-source software (OSS) using Best Worst Method (BWM) and TOPSIS approach. International Journal of Quality and Reliability Management, 2021, ahead-of-print, .	2.0	4
26	Optimal strategies for price-warranty decision model of software product with dynamic production cost. , 2014, , .		3
27	Measuring software reliability under the influence of an infected patch. Yugoslav Journal of Operations Research, 2021, 31, 249-264.	0.8	3
28	Optimal strategy for determining pricing policy of a product under the influence of reworking during production. , 2014, , .		1
29	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.	0.6	1
30	Explosion Consequence Analysis for Military Targets Through Support Vector Machines. , 2020, , .		1
31	Optimization of Replica Consistency and Conflict Resolution in Data Grid Environment. International Journal of Mathematical, Engineering and Management Sciences, 2019, 4, 1420-1433.	0.7	1
32	Effect of learning on the optimal ordering policy of inventory model for deteriorating items with shortages and trade-credit financing. International Journal of Systems Assurance Engineering and Management, 0, , 1.	2.4	1
33	An empirical analysis of code smells using CRITIC-TOPSIS method. , 2022, , .		1
34	Advertising and Pricing Policies for a Diffusion Model Incorporating Price Sensitive Potential Market in Segment Specific Environment. International Journal of Mathematical, Engineering and Management Sciences, 2022, 7, 547-557.	0.7	1
35	An Assessment of Some Entropy Measures in Predicting Bugs of Open-Source Software. Advances in Intelligent Systems and Computing, 2019, , 609-621.	0.6	0
36	Computational and mathematical approach for recent problems in mathematical sciences. International Journal for Computational Methods in Engineering Science and Mechanics, 2021, 22, 169-169.	2.1	0

#	ARTICLE	IF	CITATIONS
37	Driving to safety: real-time danger spot and drowsiness monitoring system. Soft Computing, 2021, 25, 14479-14497.	3.6	0