Bojan Cukic

List of Publications by Year
in descending order

105 papers	3,529 citations	516215 16 h-index	344852 36 g-index
107 all docs	107 docs citations	107 times ranked	2009 citing authors

#	Article	IF	Citations
1	Software Engineering for Self-Adaptive Systems: A Research Roadmap. Lecture Notes in Computer Science, 2009, , 1-26.	1.0	624
2	Defect prediction from static code features: currentÂresults, limitations, new approaches. Automated Software Engineering, 2010, 17, 375-407.	2.2	371
3	Software Engineering for Self-Adaptive Systems: A Second Research Roadmap. Lecture Notes in Computer Science, 2013, , 1-32.	1.0	317
4	Techniques for evaluating fault prediction models. Empirical Software Engineering, 2008, 13, 561-595.	3.0	225
5	A Scenario-Based Reliability Analysis Approach for Component-Based Software. IEEE Transactions on Reliability, 2004, 53, 465-480.	3.5	167
6	Implications of ceiling effects in defect predictors. , 2008, , .		127
7	Image quality assessment for iris biometric. , 2006, 6202, 124.		92
8	Estimating and Fusing Quality Factors for Iris Biometric Images. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2010, 40, 509-524.	3.4	82
9	Can data transformation help in the detection of fault-prone modules?. , 2008, , .		60
10	Fault Prediction using Early Lifecycle Data. , 2007, , .		54
11	Variance Analysis in Software Fault Prediction Models. , 2009, , .		54
12	Fingerprint liveness detection based on histograms of invariant gradients. , 2014, , .		54
13	Defect Prediction between Software Versions with Active Learning and Dimensionality Reduction. , 2014, , .		51
14	A Statistical Framework for the Prediction of Fault-Proneness. , 2007, , 237-263.		48
15	Protecting Iris Images through Asymmetric Digital Watermarking. , 2007, , .		46
16	The stochastic precedence ordering with applications in sampling and testing. Journal of Applied Probability, 2004, 41, 73-82.	0.4	46
17	Performance Analysis of Iris-Based Identification System at the Matching Score Level. IEEE Transactions on Information Forensics and Security, 2006, 1, 154-168.	4.5	45
18	Cross-Spectral Face Verification in the Short Wave Infrared (SWIR) Band. , 2010, , .		45

#	ARTICLE	IF	CITATIONS
19	Software defect prediction using semi-supervised learning with dimension reduction. , 2012, , .		45
20	Evaluating the Reliability of Credential Hardening through Keystroke Dynamics. Software Reliability Engineering (ISSRE), Proceedings of the IEEE International Symposium on, 2006, , .	0.0	44
21	Multi-spectral face recognition: Identification of people in difficult environments. , 2012, , .		39
22	Log-Based Reliability Analysis of Software as a Service (SaaS). , 2010, , .		37
23	Cost Curve Evaluation of Fault Prediction Models. , 2008, , .		36
24	Touch gesture-based authentication on mobile devices: The effects of user posture, device size, configuration, and inter-session variability. Journal of Systems and Software, 2019, 149, 158-173.	3.3	35
25	Adequate and Precise Evaluation of Quality Models in Software Engineering Studies. , 2007, , .		32
26	Comparing partition and random testing via majorization and schur functions. IEEE Transactions on Software Engineering, 2003, 29, 88-94.	4.3	30
27	The stochastic precedence ordering with applications in sampling and testing. Journal of Applied Probability, 2004, 41, 73-82.	0.4	28
28	Detecting bug duplicate reports through local references. , 2011, , .		28
29	Effects of User Habituation in Keystroke Dynamics on Password Security Policy. , 2011, , .		27
30	Automated triaging of very large bug repositories. Information and Software Technology, 2017, 89, 1-13.	3.0	27
31	Identifying sensors from fingerprint images. , 2009, , .		26
32	Robust and interoperable fingerprint spoof detection via convolutional neural networks. , 2016, , .		25
33	Lyapunov Analysis of Neural Network Stability in an Adaptive Flight Control System. Lecture Notes in Computer Science, 2003, , 77-92.	1.0	24
34	An automated method for predicting iris segmentation failures. , 2009, , .		24
35	An adaptive approach with active learning in software fault prediction. , 2012, , .		24
36	Misclassification cost-sensitive fault prediction models. , 2009, , .		22

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37	Cross-spectral face recognition in heterogeneous environments: A case study on matching visible to short-wave infrared imagery. , 2011, , .		22
38	When to Test Less. IEEE Software, 2000, 17, 107-112.	2.1	21
39	Stochastic orders in partition and random testing of software. Journal of Applied Probability, 2002, 39, 555-565.	0.4	19
40	Automated Duplicate Bug Report Classification Using Subsequence Matching. , 2012, , .		19
41	Stochastic orders in partition and random testing of software. Journal of Applied Probability, 2002, 39, 555-565.	0.4	18
42	Title is missing!. Annals of Software Engineering, 2000, 10, 103-150.	0.5	16
43	PREDICTING FAULT-PRONE MODULES IN EMBEDDED SYSTEMS USING ANALOGY-BASED CLASSIFICATION MODELS. International Journal of Software Engineering and Knowledge Engineering, 2002, 12, 201-221.	0.6	16
44	The virtues of assessing software reliability early. IEEE Software, 2005, 22, 50-53.	2.1	16
45	Building a second opinion. , 2013, , .		16
46	ADEQUACY OF LIMITED TESTING FOR KNOWLEDGE BASED SYSTEMS. International Journal on Artificial Intelligence Tools, 2000, 09, 153-172.	0.7	15
47	An iterative semi-supervised approach to software fault prediction. , 2011, , .		14
48	On designing a SWIR multi-wavelength facial-based acquisition system. Proceedings of SPIE, 2012, , .	0.8	14
49	Interoperability in fingerprint recognition: A large-scale empirical study. , 2013, , .		14
50	A preliminary study on identifying sensors from iris images. , 2015, , .		14
51	Minimizing the impact of low interoperability between optical fingerprints sensors. , 2013, , .		13
52	A Semi-supervised Approach to Software Defect Prediction. , 2014, , .		12
53	Leveraging Variations in Event Sequences in Keystroke-Dynamics Authentication Systems. , 2014, , .		12
54	Exploiting quality and texture features to estimate age and gender from fingerprints. , 2014, , .		12

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55	AUTOMATED GENERATION OF TEST TRAJECTORIES FOR EMBEDDED FLIGHT CONTROL SYSTEMS. International Journal of Software Engineering and Knowledge Engineering, 2002, 12, 175-200.	0.6	11
56	A fusion approach for classifying duplicate problem reports. , 2013, , .		11
57	Validating neural network-based online adaptive systems: a case study. Software Quality Journal, 2007, 15, 309-326.	1.4	10
58	Combined performance and risk analysis for border management applications. , 2010, , .		10
59	Interoperability between Fingerprint Biometric Systems: An Empirical Study. , 2014, , .		10
60	Effect of User Posture and Device Size on the Performance of Touch-Based Authentication Systems. , 2015, , .		9
61	Normalizing variations in feature vector structure in keystroke dynamics authentication systems. Software Quality Journal, 2016, 24, 137-157.	1.4	9
62	RETNA: from requirements to testing in a natural way. , 2004, 2004, 262-271.		8
63	INCREMENTAL DEVELOPMENT OF FAULT PREDICTION MODELS. International Journal of Software Engineering and Knowledge Engineering, 2013, 23, 1399-1425.	0.6	8
64	Eclipse vs. Mozilla: A Comparison of Two Large-Scale Open Source Problem Report Repositories. , 2015, , .		8
65	An Approach to V&V of Embedded Adaptive Systems. Lecture Notes in Computer Science, 2004, , 173-188.	1.0	7
66	Keystroke Dynamics-Based Credential Hardening Systems. Advances in Pattern Recognition, 2009, , 329-347.	0.8	6
67	On the Cost of Mining Very Large Open Source Repositories. , 2015, , .		6
68	Modeling the Performance of Border Inspections with Electronic Travel Documents. , 2006, , .		5
69	Monitoring techniques for an online neuro-adaptive controller. Journal of Systems and Software, 2006, 79, 1527-1540.	3.3	5
70	Multicomputer system for optical character recognition in web library creation. Library Collections Acquisitions and Technical Services, 2008, 32, 19-30.	0.1	5
71	How to build repeatable experiments. , 2009, , .		5
72	Predicting more from less: Synergies of learning. , 2013, , .		5

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73	Trust-Based Development Framework for Distributed Systems and IoT. , 2016, , .		5
74	An Empirical Assessment on Program Module-Order Models. Quality Technology and Quantitative Management, 2007, 4, 171-190.	1.1	4
75	Social engineering in social networking sites: Affect-based model. , 2013, , .		4
76	Removing gender signature from fingerprints. , 2014, , .		4
77	Effectively Combining Software Verification Strategies: Understanding Different Assumptions. Software Reliability Engineering (ISSRE), Proceedings of the IEEE International Symposium on, 2006, , .	0.0	3
78	High Assurance Software Systems. Computer Journal, 2006, 49, 507-508.	1.5	3
79	A Methodology for Prevention of Biometric Presentation Attacks. , 2016, , .		3
80	Random testing of formal software models and induced coverage. , 2006, , .		3
81	Impact of Biometric Data Quality on Rank-Level Fusion Schemes. Lecture Notes in Computer Science, 2013, , 209-216.	1.0	3
82	Handling Language Variations in Open Source Bug Reporting Systems. , 2012, , .		2
83	Proactive Model-Based Performance Analysis and Security Tradeoffs in a Complex System. , 2014, , .		2
84	The Connected Learner: Engaging faculty to connect computing students to peers, profession and purpose. , 2016, , .		2
85	Fostering Greater Persistence Among Underserved Computer Science Undergraduates: A Descriptive Study of the I-PASS Project. The Journal of College Student Retention: Researchory and Practice, 0, , 152102512210869.	0.9	2
86	Verification and Validation of a Fingerprint Image Registration Software. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.0	1
87	Decision dependability and its application to identity management. , 2009, , .		1
88	Privacy protection schemes for fingerprint recognition systems. Proceedings of SPIE, 2015, , .	0.8	1
89	Identifying sensors from fingerprint images. , 2009, , .		1
90	Real-Time Data Fusion Technique for Validation of an Autonomous System. , 0, , .		0

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91	A Strategy for Verification of Decomposable SCR Models. , 2006, , .		0
92	A validation approach for neural network-based online adaptive systems. Software - Practice and Experience, 2006, 36, 1209-1225.	2.5	0
93	Stability Monitoring and Analysis of Learning in Adaptive Systems. , 2006, , .		0
94	Cost curve analysis of biometric system performance. , 2009, , .		0
95	Optimal method for growth in dynamic self organizing learning systems. , 2010, , .		0
96	Challenges for Creating Highly Dependable Service Based Systems. , 2011, , .		0
97	Performance and Risk Analysis for Border Management Applications: A Model-Driven Approach and a Perspective View. , 2012, , .		0
98	Supporting Decision-Making for Biometric System Deployment through Visual Analysis. , 2014, , .		0
99	On the Adequacy of Performance Models in an Adaptive Border Inspection Management System. , 2014, , .		0
100	Continual authentication. Biometric Technology Today, 2014, 2014, 5-9.	0.7	0
101	Performance Analysis of Dynamic Cell Structures. Studies in Computational Intelligence, 2007, , 367-389.	0.7	0
102	Iris Digital Watermarking. , 2009, , 778-787.		0
103	Dynamic Allocation in Neural Networks for Adaptive Controllers. Studies in Computational Intelligence, 2010, , 111-139.	0.7	0
104	REQUIREMENTS ENGINEERING VIA LYAPUNOV ANALYSIS FOR ADAPTIVE FLIGHT CONTROL SYSTEMS. Series on Software Engineering and Knowledge Engineering, 2011, , 145-165.	0.1	0
105	Pointer-Based Recognition. , 2014, , 1-9.		0