Roberto Tonelli

List of Publications by Year
in descending order

94 papers	1,805 citations	430754 18 h-index	501076 28 g-index
97 all docs	97 docs citations	97 times ranked	1190 citing authors

#	Article	IF	Citations
1	Blockchain-Oriented Software Engineering: Challenges and New Directions. , 2017, , .		205
2	Are Bullies More Productive? Empirical Study of Affectiveness vs. Issue Fixing Time. , 2015, , .		90
3	A Massive Analysis of Ethereum Smart Contracts Empirical Study and Code Metrics. IEEE Access, 2019, 7, 78194-78213.	2.6	88
4	The emotional side of software developers in JIRA. , 2016, , .		72
5	Ensuring transparency and traceability of food local products: A blockchain application to a Smart Tourism Region. Concurrency Computation Practice and Experience, 2021, 33, .	1.4	62
6	A Blockchain-Based Traceability System in Agri-Food SME: Case Study of a Traditional Bakery. IEEE Access, 2021, 9, 62899-62915.	2.6	62
7	An Agile Software Engineering Method to Design Blockchain Applications. , 2018, , .		58
8	The JIRA Repository Dataset. , 2015, , .		56
9	Software development: do good manners matter?. PeerJ Computer Science, 0, 2, e73.	2.7	48
10	Forecasting Bitcoin closing price series using linear regression and neural networks models. PeerJ Computer Science, 2020, 6, e279.	2.7	40
11	On the Distribution of Bugs in the Eclipse System. IEEE Transactions on Software Engineering, 2011, 37, 872-877.	4.3	39
12	Proteomic analysis of formalin-fixed, paraffin-embedded lung neuroendocrine tumor samples from hospital archives. Journal of Proteomics, 2011, 74, 359-370.	1.2	39
13	A Petri Nets Model for Blockchain Analysis. Computer Journal, 2018, 61, 1374-1388.	1.5	37
14	ABCDEâ€"agile block chain DApp engineering. Blockchain: Research and Applications, 2020, 1, 100002.	4.5	37
15	NMR Analysis of Seven Selections of Vermentino Grape Berry: Metabolites Composition and Development. Journal of Agricultural and Food Chemistry, 2011, 59, 793-802.	2.4	33
16	How diverse is your team? Investigating gender and nationality diversity in GitHub teams. Journal of Software Engineering Research and Development, 2017, 5, .	1.0	33
17	Estimating Story Points from Issue Reports. , 2016, , .		30
18	An Organized Repository of Ethereum Smart Contractsâ€™ Source Codes and Metrics. Future Internet, 2020, 12, 197.	2.4	30

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19	Would you mind fixing this issue?. Lecture Notes in Business Information Processing, 2015, , 129-140.	0.8	30
20	Implementing a Microservices System with Blockchain Smart Contracts. , 2019, , .		29
21	Application of 2â€Ð DIGE to formalinâ€fixed, paraffinâ€embedded tissues. Proteomics, 2011, 11, 1005-1011.	1.3	26
22	AN EMPIRICAL STUDY OF SOFTWARE METRICS FOR ASSESSING THE PHASES OF AN AGILE PROJECT. International Journal of Software Engineering and Knowledge Engineering, 2012, 22, 525-548.	0.6	26
23	An Empirical Study of Social Networks Metrics in Object-Oriented Software. Advances in Software Engineering, 2010, 2010, 1-21.	0.6	22
24	Mining Communication Patterns in Software Development. , 2018, , .		22
25	The Butterfly â€œAffectâ€ impact of development practices on cryptocurrency prices. EPJ Data Science, 2020, 9, .	1.5	22
26	Micro Pattern Fault-Proneness. , 2012, , .		21
27	On the influence of maintenance activity types on the issue resolution time. , 2014, , .		21
28	Initial Coin Offerings and Agile Practices. Future Internet, 2018, 10, 103.	2.4	21
29	Predictions of bitcoin prices through machine learning based frameworks. PeerJ Computer Science, 2021, 7, e413.	2.7	20
30	Arsonists or Firefighters? Affectiveness in Agile Software Development. Lecture Notes in Business Information Processing, 2016, , 144-155.	0.8	19
31	Assessing traditional and new metrics for object-oriented systems. , 2010, , .		18
32	An Agent Based Model to Analyze the Bitcoin Mining Activity and a Comparison with the Gold Mining Industry. Future Internet, 2019, 11, 8.	2.4	18
33	Entropy Production and Pesin-Like Identity at the Onset of Chaos. Progress of Theoretical Physics, 2006, 115, 23-29.	2.0	17
34	Refactoring and its Relationship with Fan-in and Fan-out: An Empirical Study. , 2012, , .		17
35	Blockchain applications for agile methodologies. , 2018, , .		17
36	A Blockchain Based System to Ensure Transparency and Reliability in Food Supply Chain. Lecture Notes in Computer Science, 2019, , 379-391.	1.0	17

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37	Statistical descriptions of nonlinear systems at the onset of chaos. Physica A: Statistical Mechanics and Its Applications, 2006, 365, 252-257.	1.2	16
38	On measuring affects of github issues' commenters. , 2018, , .		16
39	Software Metrics in Agile Software: An Empirical Study. Lecture Notes in Business Information Processing, 2014, , 157-170.	0.8	16
40	Effect of Modified Atmosphere Packaging on Quality Index Method (QIM) Scores of Farmed Gilthead Seabream (<i>Sparus aurata</i>â€,L.) at Low and Abused Temperatures. Journal of Food Science, 2011, 76, S185-91.	1.5	15
41	Effects of the fermentation process on gas-cell size two-dimensional distribution and rheological characteristics of durum-wheat-based doughs. Food Research International, 2012, 49, 193-200.	2.9	15
42	A Curated Benchmark Collection of Python Systems for Empirical Studies on Software Engineering. , 2015, , .		15
43	A study of the community structure of a complex software network. , 2013, , .		14
44	Blockchain and Self Sovereign Identity to Support Quality in the Food Supply Chain. Future Internet, 2021, 13, 301.	2.4	14
45	Automatic Generation of Ethereum-Based Smart Contracts for Agri-Food Traceability System. IEEE Access, 2022, 10, 50363-50383.	2.6	14
46	Applying the ETL Process to Blockchain Data. Prospect and Findings. Information (Switzerland), 2020, 11, 204.	1.7	13
47	Weak insensitivity to initial conditions at the edge of chaos in the logistic map. Physica A: Statistical Mechanics and Its Applications, 2004, 340, 234-239.	1.2	12
48	Are the Gas Prices Oracle Reliable? A Case Study using the EthGasStation. , 2020, , .		12
49	A blockchain architecture for industrial applications. Blockchain: Research and Applications, 2022, 3, 100088.	4.5	12
50	A machine learning approach for text categorization of fixing-issue commits on CVS. , 2010, , .		11
51	Micro Patterns in Agile Software. Lecture Notes in Business Information Processing, 2013, , 210-222.	0.8	11
52	On the randomness and seasonality of affective metrics for software development. , 2017, , .		11
53	Onset of chaotic phase synchronization in complex networks of coupled heterogeneous oscillators. Physical Review E, 2012, 86, 027201.	0.8	10
54	Software Quality and Community Structure in Java Software Networks. International Journal of Software Engineering and Knowledge Engineering, 2017, 27, 1063-1096.	0.6	10

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55	EXPERIMENTAL DEFINITION OF THE BASIN OF ATTRACTION FOR CHUA'S CIRCUIT. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 959-970.	0.7	9
56	Entropy of the degree distribution and object-oriented software quality. , 2012, , .		9
57	Ethereum smart contracts as blockchain-oriented microservices. , 2018, , .		9
58	A System Proposal for Information Management in Building Sector Based on BIM, SSI, IoT and Blockchain. Future Internet, 2022, 14, 140.	2.4	7
59	An Empirical Study of Refactoring in the Context of FanIn and FanOut Coupling. , 2011, , .		6
60	An analysis of anti-micro-patterns effects on fault-proneness in large Java systems. , 2012, , .		6
61	Raising Sustainability Awareness in Agile Blockchain-Oriented Software Engineering. , 2021, , .		6
62	FEEDBACK SYNCHRONIZATION USING POLE-PLACEMENT CONTROL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 2611-2617.	0.7	5
63	How Do Python Programs Use Inheritance? A Replication Study. , 2015, , .		5
64	Design of a Sustainable Blockchain-Oriented Software for Building Workers Management. Frontiers in Blockchain, 2020, 3, .	1.6	5
65	Assessing the Risk of Software Development in Agile Methodologies Using Simulation. IEEE Access, 2021, 9, 134240-134258.	2.6	5
66	ENTROPY OF SOME CK METRICS TO ASSESS OBJECT-ORIENTED SOFTWARE QUALITY. International Journal of Software Engineering and Knowledge Engineering, 2013, 23, 173-188.	0.6	4
67	Could micro patterns be used as software stability indicator?. , 2015, , .		4
68	PASO: A Web-Based Parser for Solidity Language Analysis. , 2020, , .		4
69	Analysis of Source Code Duplication in Ethreum Smart Contracts. , 2021, , .		4
70	Bitcoin as a Safe Haven during COVID-19 Disease. Future Internet, 2022, 14, 98.	2.4	4
71	CHUA'S PERIODIC TABLE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 1451-1464.	0.7	3
72	The fractal dimension metric and its use to assess object-oriented software quality. , 2011, , .		3

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73	An analysis of SNA metrics on the Java Qualitas Corpus. , 2011, , .		3
74	Angry-builds. , 2018, , .		3
75	Are Refactoring Practices Related to Clusters in Java Software?. Lecture Notes in Business Information Processing, 2014, , 269-276.	0.8	3
76	Application Prospects of Blockchain Technology to Support the Development of Interport Communities. Computers, 2022, 11, 60.	2.1	3
77	Computing the Fractal Dimension - A Global Metrics for Large Software Systems. , 2010, , .		2
78	A case study of the use of Open Source CMS in Public Administrations. , 2012, , .		2
79	Clustering of defects in Java software systems. , 2014, , .		2
80	Parameter-based refactoring and the relationship with fan-in/fan-out coupling.. Journal of Object Technology, 2012, 11, 7:1.	0.8	2
81	Crypto-Trading. Rechargeable Token-Based Smart Energy Market Enabled by Blockchain and IoT Technology. Lecture Notes in Computer Science, 2020, , 166-178.	1.0	2
82	System performance analyses through object-oriented fault and coupling prisms. , 2014, , .		1
83	Connecting the Dots: Measuring Effectiveness and Affectiveness in Software Systems. , 2017, , .		1
84	A Digital Voting System for the 21st Century. Lecture Notes in Computer Science, 2021, , 42-53.	1.0	1
85	FRACTURE IN COMPOSITES IN A NONLINEAR DYNAMIC SCHEME. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 1999, 09, 2363-2367.	0.7	0
86	From Bifurcations to Chua's Periodic Table. Materials Research Society Symposia Proceedings, 2002, 731, 581.	0.1	0
87	CONVERGENCE TO THE CRITICAL ATTRACTOR AT INFINITE AND TANGENT BIFURCATION POINTS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 2369-2375.	0.7	0
88	A Dynamic Model of Software Product Generative Process. , 2008, , .		0
89	A Preliminary Study on Mobile Apps Call Graphs through a Complex Network Approach. , 2015, , .		0
90	6th International Workshop on Emerging Trends in Software Metrics (WETSoM 2015). , 2015, , .		0

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91	The evolution of knowledge in the refactoring research field. , 2015, , .		0
92	Can the Blockchain Facilitate the Development of an Interport Community?. Lecture Notes in Computer Science, 2021, , 240-251.	1.0	0
93	WHAT ENTROPY AT THE EDGE OF CHAOS?. , 2005, , .		0
94	Refactoring Clustering in Java Software Networks. Lecture Notes in Business Information Processing, 2014, , 121-135.	0.8	0