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	Bitcoin as a Safe Haven during COVID-19 Disease. Future Internet, 2022, 14, 98.	2.4	4
2	Application Prospects of Blockchain Technology to Support the Development of Interport Communities. Computers, 2022, 11, 60.	2.1	3
3	A System Proposal for Information Management in Building Sector Based on BIM, SSI, IoT and Blockchain. Future Internet, 2022, 14, 140.	2.4	7
4	A blockchain architecture for industrial applications. Blockchain: Research and Applications, 2022, 3, 100088.	4.5	12
5	Automatic Generation of Ethereum-Based Smart Contracts for Agri-Food Traceability System. IEEE Access, 2022, 10, 50363-50383.	2.6	14
6	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
7	Can the Blockchain Facilitate the Development of an Interport Community?. Lecture Notes in Computer Science, 2021, , 240-251.	1.0	0
8	Assessing the Risk of Software Development in Agile Methodologies Using Simulation. IEEE Access, 2021, 9, 134240-134258.	2.6	5
9	A Blockchain-Based Traceability System in Agri-Food SME: Case Study of a Traditional Bakery. IEEE Access, 2021, 9, 62899-62915.	2.6	62
10	A Digital Voting System for the 21st Century. Lecture Notes in Computer Science, 2021, , 42-53.	1.0	1
11	Raising Sustainability Awareness in Agile Blockchain-Oriented Software Engineering. , 2021, , .		6
12	Analysis of Source Code Duplication in Ethreum Smart Contracts. , 2021, , .		4
13	Predictions of bitcoin prices through machine learning based frameworks. PeerJ Computer Science, 2021, 7, e413.	2.7	20
14	Blockchain and Self Sovereign Identity to Support Quality in the Food Supply Chain. Future Internet, 2021, 13, 301.	2.4	14
15	An Organized Repository of Ethereum Smart Contractsâ€™ Source Codes and Metrics. Future Internet, 2020, 12, 197.	2.4	30
16	The Butterfly â€œAffectâ€ impact of development practices on cryptocurrency prices. EPJ Data Science, 2020, 9, .	1.5	22
17	Design of a Sustainable Blockchain-Oriented Software for Building Workers Management. Frontiers in Blockchain, 2020, 3, .	1.6	5
18	Are the Gas Prices Oracle Reliable? A Case Study using the EthGasStation. , 2020, , .		12

#	ARTICLE	IF	CITATIONS
19	PASO: A Web-Based Parser for Solidity Language Analysis. , 2020, , .		4
20	Applying the ETL Process to Blockchain Data. Prospect and Findings. Information (Switzerland), 2020, 11, 204.	1.7	13
21	Forecasting Bitcoin closing price series using linear regression and neural networks models. PeerJ Computer Science, 2020, 6, e279.	2.7	40
22	ABCDEâ€"agile block chain DApp engineering. Blockchain: Research and Applications, 2020, 1, 100002.	4.5	37
23	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
24	A Massive Analysis of Ethereum Smart Contracts Empirical Study and Code Metrics. IEEE Access, 2019, 7, 78194-78213.	2.6	88
25	Implementing a Microservices System with Blockchain Smart Contracts. , 2019, , .		29
26	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
27	A Blockchain Based System to Ensure Transparency and Reliability in Food Supply Chain. Lecture Notes in Computer Science, 2019, , 379-391.	1.0	17
28	A Petri Nets Model for Blockchain Analysis. Computer Journal, 2018, 61, 1374-1388.	1.5	37
29	Ethereum smart contracts as blockchain-oriented microservices. , 2018, , .		9
30	Blockchain applications for agile methodologies. , 2018, , .		17
31	Initial Coin Offerings and Agile Practices. Future Internet, 2018, 10, 103.	2.4	21
32	Angry-builds. , 2018, , .		3
33	An Agile Software Engineering Method to Design Blockchain Applications. , 2018, , .		58
34	Mining Communication Patterns in Software Development. , 2018, , .		22
35	On measuring affects of github issues' commenters. , 2018, , .		16
36	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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37	Blockchain-Oriented Software Engineering: Challenges and New Directions. , 2017, , .		205
38	Connecting the Dots: Measuring Effectiveness and Affectiveness in Software Systems. , 2017, , .		1
39	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
40	On the randomness and seasonality of affective metrics for software development. , 2017, , .		11
41	Estimating Story Points from Issue Reports. , 2016, , .		30
42	The emotional side of software developers in JIRA. , 2016, , .		72
43	Arsonists or Firefighters? Affectiveness in Agile Software Development. Lecture Notes in Business Information Processing, 2016, , 144-155.	0.8	19
44	The JIRA Repository Dataset. , 2015, , .		56
45	A Curated Benchmark Collection of Python Systems for Empirical Studies on Software Engineering. , 2015, , .		15
46	How Do Python Programs Use Inheritance? A Replication Study. , 2015, , .		5
47	A Preliminary Study on Mobile Apps Call Graphs through a Complex Network Approach. , 2015, , .		0
48	Could micro patterns be used as software stability indicator?. , 2015, , .		4
49	Are Bullies More Productive? Empirical Study of Affectiveness vs. Issue Fixing Time. , 2015, , .		90
50	6th International Workshop on Emerging Trends in Software Metrics (WETSoM 2015). , 2015, , .		0
51	The evolution of knowledge in the refactoring research field. , 2015, , .		0
52	Would you mind fixing this issue?. Lecture Notes in Business Information Processing, 2015, , 129-140.	0.8	30
53	Clustering of defects in Java software systems. , 2014, , .		2
54	System performance analyses through object-oriented fault and coupling prisms. , 2014, , .		1

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55	On the influence of maintenance activity types on the issue resolution time. , 2014, , .		21
56	Software Metrics in Agile Software: An Empirical Study. Lecture Notes in Business Information Processing, 2014, , 157-170.	0.8	16
57	Are Refactoring Practices Related to Clusters in Java Software?. Lecture Notes in Business Information Processing, 2014, , 269-276.	0.8	3
58	Refactoring Clustering in Java Software Networks. Lecture Notes in Business Information Processing, 2014, , 121-135.	0.8	0
59	A study of the community structure of a complex software network. , 2013, , .		14
60	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
61	Micro Patterns in Agile Software. Lecture Notes in Business Information Processing, 2013, , 210-222.	0.8	11
62	An analysis of anti-micro-patterns effects on fault-proneness in large Java systems. , 2012, , .		6
63	Entropy of the degree distribution and object-oriented software quality. , 2012, , .		9
64	Onset of chaotic phase synchronization in complex networks of coupled heterogeneous oscillators. Physical Review E, 2012, 86, 027201.	0.8	10
65	A case study of the use of Open Source CMS in Public Administrations. , 2012, , .		2
66	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
67	Micro Pattern Fault-Proneness. , 2012, , .		21
68	Refactoring and its Relationship with Fan-in and Fan-out: An Empirical Study. , 2012, , .		17
69	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
70	Parameter-based refactoring and the relationship with fan-in/fan-out coupling.. Journal of Object Technology, 2012, 11, 7:1.	0.8	2
71	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
72	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

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73	On the Distribution of Bugs in the Eclipse System. IEEE Transactions on Software Engineering, 2011, 37, 872-877.	4.3	39
74	Application of 2â€Ð DIGE to formalinâ€fixed, paraffinâ€embedded tissues. Proteomics, 2011, 11, 1005-1011.	1.3	26
75	Proteomic analysis of formalin-fixed, paraffin-embedded lung neuroendocrine tumor samples from hospital archives. Journal of Proteomics, 2011, 74, 359-370.	1.2	39
76	The fractal dimension metric and its use to assess object-oriented software quality. , 2011, , .		3
77	An analysis of SNA metrics on the Java Qualitas Corpus. , 2011, , .		3
78	An Empirical Study of Refactoring in the Context of FanIn and FanOut Coupling. , 2011, , .		6
79	An Empirical Study of Social Networks Metrics in Object-Oriented Software. Advances in Software Engineering, 2010, 2010, 1-21.	0.6	22
80	A machine learning approach for text categorization of fixing-issue commits on CVS. , 2010, , .		11
81	Assessing traditional and new metrics for object-oriented systems. , 2010, , .		18
82	Computing the Fractal Dimension - A Global Metrics for Large Software Systems. , 2010, , .		2
83	A Dynamic Model of Software Product Generative Process. , 2008, , .		0
84	Statistical descriptions of nonlinear systems at the onset of chaos. Physica A: Statistical Mechanics and Its Applications, 2006, 365, 252-257.	1.2	16
85	Entropy Production and Pesin-Like Identity at the Onset of Chaos. Progress of Theoretical Physics, 2006, 115, 23-29.	2.0	17
86	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
87	WHAT ENTROPY AT THE EDGE OF CHAOS?. , 2005, , .		0
88	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
89	CHUA'S PERIODIC TABLE. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2002, 12, 1451-1464.	0.7	3
90	From Bifurcations to Chua's Periodic Table. Materials Research Society Symposia Proceedings, 2002, 731, 581.	0.1	0

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91	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
92	FEEDBACK SYNCHRONIZATION USING POLE-PLACEMENT CONTROL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2000, 10, 2611-2617.	0.7	5
93	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
94	Software development: do good manners matter?. PeerJ Computer Science, 0, 2, e73.	2.7	48