

# Leandro L Minku

## List of Publications by Year in descending order

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Version: 2024-02-01

107  
papers

3,730  
citations

331670

21  
h-index

161849

54  
g-index

109  
all docs

109  
docs citations

109  
times ranked

2474  
citing authors

#	ARTICLE	IF	CITATIONS
1	OSNN: An Online Semisupervised Neural Network for Nonstationary Data Streams. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 6029-6041.	11.3	1
2	Cross-Project Online Just-In-Time Software Defect Prediction. IEEE Transactions on Software Engineering, 2023, 49, 268-287.	5.6	4
3	A Procedure to Continuously Evaluate Predictive Performance of Just-In-Time Software Defect Prediction Models During Software Development. IEEE Transactions on Software Engineering, 2023, 49, 646-666.	5.6	3
4	Towards Reliable Online Just-in-Time Software Defect Prediction. IEEE Transactions on Software Engineering, 2023, 49, 1342-1358.	5.6	7
5	Metaheuristics in the Large European Journal of Operational Research, 2022, 297, 393-406.	5.7	32
6	A Diversity Framework for Dealing With Multiple Types of Concept Drift Based on Clustering in the Model Space. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1299-1309.	11.3	13
7	A Novel Generalized Metaheuristic Framework for Dynamic Capacitated Arc Routing Problems. IEEE Transactions on Evolutionary Computation, 2022, 26, 1486-1500.	10.0	6
8	Continuous and Proactive Software Architecture Evaluation: An IoT Case. ACM Transactions on Software Engineering and Methodology, 2022, 31, 1-54.	6.0	2
9	Adaptive Memory-Enhanced Time Delay Reservoir and its Memristive Implementation. IEEE Transactions on Computers, 2022, 71, 2766-2777.	3.4	6
10	BIAS: A Toolbox for Benchmarking Structural Bias in the Continuous Domain. IEEE Transactions on Evolutionary Computation, 2022, 26, 1380-1393.	10.0	6
11	What makes the dynamic capacitated Arc routing problem hard to solve. , 2022, , .		2
12	Detecting asthma exacerbations using daily home monitoring and machine learning. Journal of Asthma, 2021, 58, 1518-1527.	1.7	16
13	Tackling Virtual and Real Concept Drifts: An Adaptive Gaussian Mixture Model Approach. IEEE Transactions on Knowledge and Data Engineering, 2021, , 1-1.	5.7	9
14	The impact of data difficulty factors on classification of imbalanced and concept drifting data streams. Knowledge and Information Systems, 2021, 63, 1429-1469.	3.2	22
15	Exploiting Linear Interpolation of Variational Autoencoders for Satisfying Preferences in Evolutionary Design Optimization. , 2021, , .		2
16	Evaluation of Software Architectures under Uncertainty. ACM Transactions on Software Engineering and Methodology, 2021, 30, 1-50.	6.0	11
17	Surrogate models in evolutionary single-objective optimization: A new taxonomy and experimental study. Information Sciences, 2021, 562, 414-437.	6.9	46
18	Multi-objective software performance optimisation at the architecture level using randomised search rules. Information and Software Technology, 2021, 135, 106565.	4.4	7

#	ARTICLE	IF	CITATIONS
19	A hybrid local search framework for the dynamic capacitated arc routing problem. , 2021, , .		8
20	Multi-stream online transfer learning for software effort estimation: is it necessary?. , 2021, , .		3
21	Dynamic Evaluation of Microservice Granularity Adaptation. ACM Transactions on Autonomous and Adaptive Systems, 2021, 16, 1-35.	0.8	1
22	Exploiting Generative Models for Performance Predictions of 3D Car Designs. , 2021, , .		3
23	Second-order Time Delay Reservoir Computing for Nonlinear Time Series Problems. , 2021, , .		2
24	A heterogeneous online learning ensemble for non-stationary environments. Knowledge-Based Systems, 2020, 188, 104983.	7.1	32
25	Run-time evaluation of architectures: A case study of diversification in IoT. Journal of Systems and Software, 2020, 159, 110428.	4.5	13
26	Multifactorial 10-Year Prior Diagnosis Prediction Model of Dementia. International Journal of Environmental Research and Public Health, 2020, 17, 6674.	2.6	11
27	AUC Estimation and Concept Drift Detection for Imbalanced Data Streams with Multiple Classes. , 2020, , .		13
28	Computational Study on Effectiveness of Knowledge Transfer in Dynamic Multi-objective Optimization. , 2020, , .		3
29	Conference Highlights: JIT Fault Prevention, Motivated Modeling, Security in Requirements, and Improving Team Performance. IEEE Software, 2020, 37, 83-86.	1.8	0
30	Guest Editorial: Special Issue on Predictive Models and Data Analytics in Software Engineering. Empirical Software Engineering, 2020, 25, 1533-1535.	3.9	0
31	Better software analytics via "DUO" Data mining algorithms using/used-by optimizers. Empirical Software Engineering, 2020, 25, 2099-2136.	3.9	14
32	Towards Novel Meta-heuristic Algorithms for Dynamic Capacitated Arc Routing Problems. Lecture Notes in Computer Science, 2020, , 428-440.	1.3	5
33	An investigation of cross-project learning in online just-in-time software defect prediction. , 2020, , .		33
34	Quantifying The Generative Capabilities Of Variational Autoencoders For 3D Car Point Clouds. , 2020, , .		12
35	MARLINE: Multi-source Mapping Transfer Learning for Non-Stationary Environments. , 2020, , .		2
36	Multi-Source Transfer Learning for Non-Stationary Environments. , 2019, , .		11

#	ARTICLE	IF	CITATIONS
37	Class Imbalance Evolution and Verification Latency in Just-in-Time Software Defect Prediction. , 2019, , .		46
38	Highlights from ICSE 2019: Software Security and Mobile App Energy Consumption. IEEE Software, 2019, 36, 29-31.	1.8	1
39	Learning from data streams and class imbalance. Connection Science, 2019, 31, 103-104.	3.0	7
40	A novel online supervised hyperparameter tuning procedure applied to cross-company software effort estimation. Empirical Software Engineering, 2019, 24, 3153-3204.	3.9	27
41	Optimal Evolutionary Optimization Hyper-parameters to Mimic Human User Behavior. , 2019, , .		0
42	When and How to Transfer Knowledge in Dynamic Multi-objective Optimization. , 2019, , .		15
43	GMM-VRD: A Gaussian Mixture Model for Dealing With Virtual and Real Concept Drifts. , 2019, , .		5
44	Software Effort Interval Prediction via Bayesian Inference and Synthetic Bootstrap Resampling. ACM Transactions on Software Engineering and Methodology, 2019, 28, 1-46.	6.0	16
45	Transfer Learning in Non-stationary Environments. Studies in Big Data, 2019, , 13-37.	1.1	10
46	A Systematic Study of Online Class Imbalance Learning With Concept Drift. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4802-4821.	11.3	185
47	Guest editorial: special issue on predictive models for software quality. Software Quality Journal, 2018, 26, 521-523.	2.2	0
48	Empirical Software Engineering, Predictive Models, and Product Lines. IEEE Software, 2018, 35, 8-11.	1.8	0
49	A Q-learning-based memetic algorithm for multi-objective dynamic software project scheduling. Information Sciences, 2018, 428, 1-29.	6.9	67
50	Diversity-Based Pool of Models for Dealing with Recurring Concepts. , 2018, , .		13
51	Are 20% of files responsible for 80% of defects?. , 2018, , .		15
52	Reverse Engineering the Behaviour of Twitter Bots. , 2018, , .		9
53	A novel automated approach for software effort estimation based on data augmentation. , 2018, , .		10
54	Data-driven search-based software engineering. , 2018, , .		14

#	ARTICLE	IF	CITATIONS
55	Requirements, Human Values, and the Development Technology Landscape. IEEE Software, 2017, 34, 13-15.	1.8	1
56	Which models of the past are relevant to the present? A software effort estimation approach to exploiting useful past models. Automated Software Engineering, 2017, 24, 499-542.	2.9	19
57	Ensemble learning for data stream analysis: A survey. Information Fusion, 2017, 37, 132-156.	19.1	724
58	Effort and Cost in Software Engineering. , 2017, , .		8
59	Clustering Dycom. , 2017, , .		9
60	Time Series Forecasting in the Presence of Concept Drift: A PSO-based Approach. , 2017, , .		7
61	FEDD: Feature Extraction for Explicit Concept Drift Detection in time series. , 2016, , .		28
62	On the Terms Within- and Cross-Company in Software Effort Estimation. , 2016, , .		4
63	Dynamic selection of evolutionary operators based on online learning and fitness landscape analysis. Soft Computing, 2016, 20, 3889-3914.	3.6	18
64	Data mining for software engineering and humans in the loop. Progress in Artificial Intelligence, 2016, 5, 307-314.	2.4	20
65	Product Lines, Energy Conservation, Use Cases, Agile Development, and Infotainment. IEEE Software, 2016, 33, 29-31.	1.8	7
66	An Evolutionary Hyper-heuristic for the Software Project Scheduling Problem. Lecture Notes in Computer Science, 2016, , 37-47.	1.3	14
67	Knowledge Representation and Modelling: Structures and Trade-Offs. Natural Computing Series, 2016, , 79-111.	2.2	0
68	Online Ensemble Learning of Data Streams with Gradually Evolved Classes. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 1532-1545.	5.7	130
69	Regression Testing, Spoken Language, Crash-Inducing Commits, UML, and Legal Policy. IEEE Software, 2016, 33, 26-28.	1.8	1
70	Dynamic Software Project Scheduling through a Proactive-Rescheduling Method. IEEE Transactions on Software Engineering, 2016, 42, 658-686.	5.6	47
71	Diversifying Software Architecture for Sustainability: A Value-Based Perspective. Lecture Notes in Computer Science, 2016, , 55-63.	1.3	3
72	Ensembles of Learning Machines. , 2015, , 239-265.		3

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73	Using Goals in Model-Based Reasoning. , 2015, , 321-353.		9
74	Software Quality, Energy Awareness, and More. IEEE Software, 2015, 32, 98-100.	1.8	0
75	The Art and Science of Analyzing Software Data; Quantitative Methods. , 2015, , .		3
76	How to Make Best Use of Cross-Company Data for Web Effort Estimation?. , 2015, , .		18
77	An empirical evaluation of ensemble adjustment methods for analogy-based effort estimation. Journal of Systems and Software, 2015, 103, 36-52.	4.5	70
78	How to Adapt Models in a Dynamic World. , 2015, , 267-290.		0
79	Resampling-Based Ensemble Methods for Online Class Imbalance Learning. IEEE Transactions on Knowledge and Data Engineering, 2015, 27, 1356-1368.	5.7	280
80	An evolutionary algorithm for performance optimization at software architecture level. , 2015, , .		4
81	4th International Workshop on Realizing AI Synergies in Software Engineering (RAISE 2015). , 2015, , .		0
82	The potential benefit of relevance vector machine to software effort estimation. , 2014, , .		13
83	Measuring Energy Consumption for Web Service Product Configuration. , 2014, , .		6
84	How to make best use of cross-company data in software effort estimation?. , 2014, , .		48
85	Improved Evolutionary Algorithm Design for the Project Scheduling Problem Based on Runtime Analysis. IEEE Transactions on Software Engineering, 2014, 40, 83-102.	5.6	40
86	A multi-objective ensemble method for online class imbalance learning. , 2014, , .		12
87	Less is More: Temporal Fault Predictive Performance over Multiple Hadoop Releases. Lecture Notes in Computer Science, 2014, , 240-246.	1.3	24
88	Dynamic Selection of Evolutionary Algorithm Operators Based on Online Learning and Fitness Landscape Metrics. Lecture Notes in Computer Science, 2014, , 359-370.	1.3	15
89	Ensembles and locality: Insight on improving software effort estimation. Information and Software Technology, 2013, 55, 1512-1528.	4.4	104
90	A learning framework for online class imbalance learning. , 2013, , .		71

#	ARTICLE	IF	CITATIONS
91	Learning aesthetic judgements in evolutionary art systems. Genetic Programming and Evolvable Machines, 2013, 14, 315-337.	2.2	10
92	Data science for software engineering. , 2013, , .		6
93	An analysis of multi-objective evolutionary algorithms for training ensemble models based on different performance measures in software effort estimation. , 2013, , .		21
94	The impact of parameter tuning on software effort estimation using learning machines. , 2013, , .		57
95	ONLINE CLASS IMBALANCE LEARNING AND ITS APPLICATIONS IN FAULT DETECTION. International Journal of Computational Intelligence and Applications, 2013, 12, 1340001.	0.8	54
96	Software effort estimation as a multiobjective learning problem. ACM Transactions on Software Engineering and Methodology, 2013, 22, 1-32.	6.0	70
97	Concept drift detection for online class imbalance learning. , 2013, , .		53
98	Evolutionary algorithms for the project scheduling problem. , 2012, , .		12
99	Can cross-company data improve performance in software effort estimation?. , 2012, , .		37
100	Using unreliable data for creating more reliable online learners. , 2012, , .		6
101	DDD: A New Ensemble Approach for Dealing with Concept Drift. IEEE Transactions on Knowledge and Data Engineering, 2012, 24, 619-633.	5.7	338
102	Next challenges for adaptive learning systems. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2012, 14, 48-55.	4.0	67
103	A principled evaluation of ensembles of learning machines for software effort estimation. , 2011, , .		23
104	DESIGN OF EXPERIMENTS IN NEURO-FUZZY SYSTEMS. International Journal of Computational Intelligence and Applications, 2010, 09, 137-152.	0.8	12
105	The Impact of Diversity on Online Ensemble Learning in the Presence of Concept Drift. IEEE Transactions on Knowledge and Data Engineering, 2010, 22, 730-742.	5.7	342
106	Negative correlation in incremental learning. Natural Computing, 2009, 8, 289-320.	3.0	32
107	Selective negative correlation learning approach to incremental learning. Neurocomputing, 2009, 72, 2796-2805.	5.9	24