Vladimir Estivill-Castro

List of Publications by Year
in descending order

118 papers	1,821 citations	471371 17 h-index	315616 38 g-index
126 all docs	126 docs citations	126 times ranked	1496 citing authors

#	Article	IF	Citations
1	Explanations from a Robotic Partner Build Trust on the Robot's Decisions for Collaborative Human-Humanoid Interaction. Robotics, 2021, 10, 51.	2.1	5
2	Privacy protection of online social network users, against attribute inference attacks, through the use of a set of exhaustive rules. Neural Computing and Applications, 2021, 33, 12397-12427.	3.2	5
3	Verification and Simulation of Time-Domain Properties for Models of Behaviour. Communications in Computer and Information Science, 2021, , 225-249.	0.4	4
4	More Interpretable Decision Trees. Lecture Notes in Computer Science, 2021, , 280-292.	1.0	2
5	Protection of User-Defined Sensitive Attributes on Online Social Networks Against Attribute Inference Attack via Adversarial Data Mining. Communications in Computer and Information Science, 2020, , 230-249.	0.4	1
6	HeMI ++: A Genetic Algorithm based Clustering Technique for Sensible Clusters. , 2020, , .		1
7	Inviting Teachers to Use Educational Robotics to Foster Mathematical Problem-Solving. Advances in Intelligent Systems and Computing, 2020, , 248-261.	0.5	8
8	Human-In-The-Loop Construction of Decision Tree Classifiers with Parallel Coordinates. , 2020, , .		4
9	Model-to-Model Transformations for Efficient Time-domain Verification of Concurrent Models by NuSMV Modules. , 2020, , .		1
10	Multi-agent Modeling Simulation of In-vitro T-cells for Immunologic Alternatives to Cancer Treatment. , 2020, , .		0
11	The Understandability of Models for Behaviour. Communications in Computer and Information Science, 2020, , 50-75.	0.4	1
12	Real-Time Scene Understanding Using Deep Neural Networks for RoboCup SPL. Lecture Notes in Computer Science, 2019, , 96-108.	1.0	9
13	ROBO: Robust, Fully Neural Object Detection for Robot Soccer. Lecture Notes in Computer Science, 2019, , 309-322.	1.0	8
14	Privacy Preservation of Social Network Users Against Attribute Inference Attacks via Malicious Data Mining. , 2019, , .		5
15	Panel of Attribute Selection Methods to Rank Features Drastically Improves Accuracy in Filtering Web-pages Suitable for Education. , 2019, , .		1
16	Knowledge-Based Robotic Agent as a Game Player. Lecture Notes in Computer Science, 2019, , 322-336.	1.0	0
17	Resolving the Asymmetry of On-Exit versus On-Entry in Executable Models of Behaviour. , 2019, , .		1
18	Towards the Ranking of Web-pages for Educational Purposes. , 2019, , .		1

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19	Resolving the Asymmetry of On-Exit versus On-Entry in Executable Models of Behaviour. , 2019, , .		0
20	LINKING MATHEMATICS CURRICULUM AND CONCEPTS TO ROBOTICS ACTIVITIES. , 2019, , .		1
21	Improving binary classification of web pages using an ensemble of feature selection algorithms. , 2018, , .		4
22	Combining K-Means and a genetic algorithm through a novel arrangement of genetic operators for high quality clustering. Expert Systems With Applications, 2018, 91, 402-417.	4.4	61
23	High-Level Executable Models of Reactive Real-Time Systems with Logic-Labelled Finite-State Machines and FPGAs. , 2018, , .		3
24	Deterministic High-Level Executable Models Allowing Efficient Runtime Verification. Communications in Computer and Information Science, 2018, , 119-144.	0.4	1
25	Verifiable Parameterised Behaviour Models - For Robotic and Embedded Systems. , 2018, , .		1
26	Real-time detection of shill bidding in online auctions: A literature review. Computer Science Review, 2017, 25, 1-18.	10.2	9
27	Social media users' privacy against malicious data miners. , 2017, , .		4
28	3LP: Three Layers of Protection for Individual Privacy in Facebook. IFIP Advances in Information and Communication Technology, 2017, , 108-123.	0.5	5
29	Deterministic Executable Models Verified Efficiently at Runtime - An Architecture for Robotic and Embedded Systems. , 2017, , .		1
30	Architecture for logic programing with arrangements of finite-state machines. , 2016, , .		3
31	DAJEE. , 2016, , .		11
32	Run-time verification of regularly expressed behavioral properties in robotic systems with logic-labeled finite state machines. , 2016, , .		0
33	What Effect Does an Animal Robot Called CuDDler Have on the Engagement and Emotional Response of Older People with Dementia? A Pilot Feasibility Study. International Journal of Social Robotics, 2016, 8, 145-156.	3.1	51
34	Genetic algorithm with healthy population and multiple streams sharing information for clustering. Knowledge-Based Systems, 2016, 114, 61-78.	4.0	12
35	Hardness and tractability of detecting connected communities. , 2016, , .		2
36	Modeling, Validation, and Continuous Integration of Software Behaviours for Embedded Systems. , 2015, , .		3

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37	Is It FPT to Cover Points with Tours on Minimum Number of Bends (Errata)?. International Journal of Computational Geometry and Applications, 2015, 25, 11-14.	0.3	1
38	Can On-line Social Network Users Trust That What They Designated as Confidential Data Remains So?. , 2015, , .		4
39	Privacy Tips. , 2015, , .		4
40	Simple, Not Simplistic - The Middleware of Behaviour Models. , 2015, , .		7
41	Models Testing Models in Continuous Integration of Model-Driven Development. , 2015, , .		1
42	Empowering users of social networks to assess their privacy risks. , 2014, , .		7
43	Correctness by Construction with Logic-Labeled Finite-State Machines -- Comparison with Event-B. , 2014, , .		8
44	Path-finding in dynamic environments with PDDL-planners. , 2013, , .		6
45	Failure mode and effects analysis (FMEA) and model-checking of software for embedded systems by sequential scheduling of vectors of logic-labelled finite-state machines. , 2012, , .		4
46	Efficient Modelling of Embedded Software Systems and their Formal Verification. , 2012, , .		12
47	Efficient Model Checking and FMEA Analysis with Deterministic Scheduling of Transition-Labeled Finite-State Machines. , 2012, , .		11
48	Visual-Trace Simulation of Concurrent Finite-State Machines for Validation and Model-Checking of Complex Behaviour. Lecture Notes in Computer Science, 2012, , 52-64.	1.0	3
49	EXPLORATION OF MASSIVE CRIME DATA SETS THROUGH DATA MINING TECHNIQUES. Applied Artificial Intelligence, 2011, 25, 362-379.	2.0	15
50	FPT-ALGORITHMS FOR MINIMUM-BENDS TOURS. International Journal of Computational Geometry and Applications, 2011, 21, 189-213.	0.3	6
51	Single Parameter FPT-Algorithms for Non-trivial Games. Lecture Notes in Computer Science, 2011, , 121-124.	1.0	3
52	Requirements Engineering via Non-monotonic Logics and State Diagrams. Communications in Computer and Information Science, 2011, , 121-135.	0.4	10
53	Model Checking of Transition-Labeled Finite-State Machines. Communications in Computer and Information Science, 2011, , 61-73.	0.4	5
54	Modelling Behaviour Requirements for Automatic Interpretation, Simulation and Deployment. Lecture Notes in Computer Science, 2010, , 204-216.	1.0	4

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55	The Rectilinear k-Bends TSP. Lecture Notes in Computer Science, 2010, , 264-277.	1.0	0
56	Practical protocol for Yao's millionaires problem enables secure multi-party computation of metrics and efficient privacy-preserving k-NN for large data sets. Knowledge and Information Systems, 2009, 21, 327-363.	2.1	7
57	Legal and Technical Issues of Privacy Preservation in Data Mining. , 2009, , 1158-1163.		9
58	Architecture for Hybrid Robotic Behavior. Lecture Notes in Computer Science, 2009, , 145-156.	1.0	8
59	Fast Private Association Rule Mining by A Protocol for Securely Sharing Distributed Data. , 2007, , .		9
60	Privacy-Preserving k-NN for Small and Large Data Sets. , 2007, , .		6
61	Feature extraction and gating techniques for ultrasonic shaft signal classification. Applied Soft Computing Journal, 2007, 7, 156-165.	4.1	35
62	Fast Cluster Polygonization and its Applications in Data-Rich Environments. GeoInformatica, 2006, 10, 399-422.	2.0	12
63	The Undirected Feedback Vertex Set Problem Has a Poly(k) Kernel. Lecture Notes in Computer Science, 2006, , 192-202.	1.0	35
64	Sanitization of Databases for Refined Privacy Trade-Offs. Lecture Notes in Computer Science, 2006, , 522-528.	1.0	2
65	Two New Techniques for Hiding Sensitive Itemsets and Their Empirical Evaluation. Lecture Notes in Computer Science, 2006, , 302-311.	1.0	3
66	A Descriptive Language for Flexible and Robust Object Recognition. Lecture Notes in Computer Science, 2005, , 540-547.	1.0	1
67	Optimal Paths for Mutually Visible Agents. Lecture Notes in Computer Science, 2005, , 869-881.	1.0	0
68	Local search for Hamiltonian Path with applications to clustering visitation paths. Journal of the Operational Research Society, 2004, 55, 737-748.	2.1	5
69	Fast and Robust General Purpose Clustering Algorithms. Data Mining and Knowledge Discovery, 2004, 8, 127-150.	2.4	49
70	Generating Nearly Sorted Sequences – The use of measures of disorder. Electronic Notes in Theoretical Computer Science, 2004, 91, 56-95.	0.9	4
71	Clustering with obstacles for Geographical Data Mining. ISPRS Journal of Photogrammetry and Remote Sensing, 2004, 59, 21-34.	4.9	14
72	Cutting Up Is Hard To Do. Electronic Notes in Theoretical Computer Science, 2003, 78, 209-222.	0.9	76

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73	Group unified histories an instrument for productive unconstrained co-browsing. , 2003, , .		4
74	Cluster Validity Using Support Vector Machines. Lecture Notes in Computer Science, 2003, , 244-256.	1.0	10
75	CLUSTERING WEB VISITORS BY BAST, ROBUST AND CONVERGENT ALGORITHMS. International Journal of Foundations of Computer Science, 2002, 13, 497-520.	0.8	5
76	Why so many clustering algorithms. SIGKDD Explorations: Newsletter of the Special Interest Group (SIG) on Knowledge Discovery & Data Mining, 2002, 4, 65-75.	3.2	446
77	Argument free clustering for large spatial point-data sets via boundary extraction from Delaunay Diagram. Computers, Environment and Urban Systems, 2002, 26, 315-334.	3.3	64
78	Multi-Level Clustering and its Visualization for Exploratory Spatial Analysis. GeoInformatica, 2002, 6, 123-152.	2.0	37
79	Robust Distance-Based Clustering with Applications to Spatial Data Mining. Algorithmica, 2001, 30, 216-242.	1.0	34
80	AUTOCLUST+: Automatic Clustering of Point-Data Sets in the Presence of Obstacles. Lecture Notes in Computer Science, 2001, , 133-146.	1.0	43
81	Criteria on Proximity Graphs for Boundary Extraction and Spatial Clustering. Lecture Notes in Computer Science, 2001, , 348-357.	1.0	12
82	Categorizing Visitors Dynamically by Fast and Robust Clustering of Access Logs. Lecture Notes in Computer Science, 2001, , 498-507.	1.0	7
83	Fast Randomized Algorithms for Robust Estimation of Location. Lecture Notes in Computer Science, 2001, , 77-88.	1.0	3
84	Non-crisp Clustering by Fast, Convergent, and Robust Algorithms. Lecture Notes in Computer Science, 2001, , 103-114.	1.0	2
85	On the chromatic number of tree graphs. Discrete Mathematics, 2000, 223, 363-366.	0.4	7
86	Fast and Robust General Purpose Clustering Algorithms. Lecture Notes in Computer Science, 2000, , 208-218.	1.0	38
87	Hybrid Genetic Algorithms Are Better for Spatial Clustering. Lecture Notes in Computer Science, 2000, , 424-434.	1.0	7
88	Robust Clusterin of Large Geo-referenced Data Sets. Lecture Notes in Computer Science, 1999, , 327-338.	1.0	10
89	Data Swapping: Balancing Privacy against Precision in Mining for Logic Rules. Lecture Notes in Computer Science, 1999, , 389-398.	1.0	45
90	Hybrid Genetic Algorithm for Solving the p-Median Problem. Lecture Notes in Computer Science, 1999, , 18-25.	1.0	7

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91	Cluster discovery techniques for exploratory spatial data analysis. International Journal of Geographical Information Science, 1998, 12, 431-443.	2.2	83
92	Randomized K-Dimensional Binary Search Trees. Lecture Notes in Computer Science, 1998, , 198-209.	1.0	18
93	Illumination of Orthogonal Polygons with Orthogonal Floodlights. International Journal of Computational Geometry and Applications, 1998, 08, 25-38.	0.3	10
94	An adaptive generic sorting algorithm that uses variable partitioningâˆ—. International Journal of Computer Mathematics, 1996, 61, 181-194.	1.0	0
95	Computer science research in Mexico. Computer, 1995, 28, 56-62.	1.2	7
96	Illumination of polygons with vertex lights. Information Processing Letters, 1995, 56, 9-13.	0.4	20
97	Right invariant metrics and measures of presortedness. Discrete Applied Mathematics, 1993, 42, 1-16.	0.5	10
98	Randomized adaptive sorting. Random Structures and Algorithms, 1993, 4, 37-57.	0.6	1
99	Skip Sort â€" An Adaptive Randomized Algorithm or Expected Time Adaptivity is Best. , 1992, , 179-187.		0
100	A survey of adaptive sorting algorithms. ACM Computing Surveys, 1992, 24, 441-476.	16.1	151
101	Randomized Sorting of Shuffled Monotone Sequences. , 1992, , 143-151.		1
102	Practical adaptive sorting. Lecture Notes in Computer Science, 1991, , 47-54.	1.0	5
103	Sorting, measures of disorder, and worst-case performance. , 1991, , 124-131.		0
104	Competitiveness and response time in on-line algorithms. Lecture Notes in Computer Science, 1991, , 284-293.	1.0	1
105	A new measure of presortedness. Information and Computation, 1989, 83, 111-119.	0.5	26
106	Move-to-end is best for double-linked lists. , 0, , .		3
107	The design of competitive algorithms via genetic algorithms. , 0, , .		0
108	An adaptive generic sorting algorithm that uses variable partitioning. , 0, , .		0

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109	Adaptive genetic operators. , 0, , .		0
110	Effective and efficient boundary-based clustering for three-dimensional geoinformation studies. , 0, , .		0
111	A memetic algorithm instantiated with selection sort consistently finds global optima for the error-correcting graph isomorphism. , 0, , .		0
112	Support vector clustering through proximity graph modelling. , 0, , .		36
113	Foundations of unconstrained collaborative Web browsing with awareness. , 0, , .		5
114	Private representative-based clustering for vertically partitioned data. , 0, , .		7
115	Usability of Real-Time Unconstrained WWW-Co-Browsing for Educational Settings. , 0, , .		13
116	Why Are There So Many Clustering Algorithms, and How Valid Are Their Results?. , 0, , 169-199.		0
117	Fully neural object detection solutions for robot soccer. Neural Computing and Applications, 0, , 1.	3.2	7
118	Non-Monotonic Reasoning on Board a Sony AIBO. , 0, , .		1