

Cristobal Romero Morales

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

8,077
citations

126907

33
h-index

118850

62
g-index

76
all docs

76
docs citations

76
times ranked

4629
citing authors

#	ARTICLE	IF	CITATIONS
1	Educational Data Mining: A Review of the State of the Art. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2010, 40, 601-618.	2.9	1,232
2	KEEL: a software tool to assess evolutionary algorithms for data mining problems. Soft Computing, 2009, 13, 307-318.	3.6	1,165
3	Educational data mining: A survey from 1995 to 2005. Expert Systems With Applications, 2007, 33, 135-146.	7.6	952
4	Data mining in course management systems: Moodle case study and tutorial. Computers and Education, 2008, 51, 368-384.	8.3	704
5	Data mining in education. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2013, 3, 12-27.	6.8	515
6	Predicting students' final performance from participation in on-line discussion forums. Computers and Education, 2013, 68, 458-472.	8.3	404
7	Educational data mining and learning analytics: An updated survey. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2020, 10, e1355.	6.8	332
8	Web usage mining for predicting final marks of students that use Moodle courses. Computer Applications in Engineering Education, 2013, 21, 135-146.	3.4	198
9	Early dropout prediction using data mining: a case study with high school students. Expert Systems, 2016, 33, 107-124.	4.5	191
10	Predicting student failure at school using genetic programming and different data mining approaches with high dimensional and imbalanced data. Applied Intelligence, 2013, 38, 315-330.	5.3	152
11	Applying Web usage mining for personalizing hyperlinks in Web-based adaptive educational systems. Computers and Education, 2009, 53, 828-840.	8.3	126
12	JCLEC: a Java framework for evolutionary computation. Soft Computing, 2007, 12, 381-392.	3.6	120
13	Knowledge Discovery with Genetic Programming for Providing Feedback to Courseware Authors. User Modeling and User-Adapted Interaction, 2004, 14, 425-464.	3.8	119
14	A survey on educational process mining. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2018, 8, e1230.	6.8	116
15	An architecture for making recommendations to courseware authors using association rule mining and collaborative filtering. User Modeling and User-Adapted Interaction, 2009, 19, 99-132.	3.8	115
16	A collaborative educational association rule mining tool. Internet and Higher Education, 2011, 14, 77-88.	6.5	95
17	Predicting School Failure and Dropout by Using Data Mining Techniques. Revista Iberoamericana De Tecnologías Del Aprendizaje, 2013, 8, 7-14.	0.9	82
18	Process mining for self-regulated learning assessment in e-learning. Journal of Computing in Higher Education, 2020, 32, 74-88.	6.1	81

#	ARTICLE	IF	CITATIONS
19	Evolutionary algorithms for subgroup discovery in e-learning: A practical application using Moodle data. <i>Expert Systems With Applications</i> , 2009, 36, 1632-1644.	7.6	80
20	Text mining in education. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2019, 9, e1332.	6.8	79
21	Educational data science in massive open online courses. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2017, 7, e1187.	6.8	74
22	Clustering for improving educational process mining. , 2014, , .		71
23	Association rule mining using genetic programming to provide feedback to instructors from multiple-choice quiz data. <i>Expert Systems</i> , 2013, 30, 162-172.	4.5	58
24	Using mobile and web-based computerized tests to evaluate university students. <i>Computer Applications in Engineering Education</i> , 2009, 17, 435-447.	3.4	56
25	An evolutionary algorithm for the discovery of rare class association rules in learning management systems. <i>Applied Intelligence</i> , 2015, 42, 501-513.	5.3	53
26	Multiple instance learning for classifying students in learning management systems. <i>Expert Systems With Applications</i> , 2011, 38, 15020-15031.	7.6	48
27	A Survey on Pre-Processing Educational Data. <i>Studies in Computational Intelligence</i> , 2014, , 29-64.	0.9	48
28	Reducing gaps in quantitative association rules: A genetic programming free-parameter algorithm. <i>Integrated Computer-Aided Engineering</i> , 2014, 21, 321-337.	4.6	44
29	MDM tool: A data mining framework integrated into Moodle. <i>Computer Applications in Engineering Education</i> , 2017, 25, 90-102.	3.4	44
30	Evaluation and selection of group recommendation strategies for collaborative searching of learning objects. <i>International Journal of Human Computer Studies</i> , 2015, 76, 22-39.	5.6	42
31	Helping university students to choose elective courses by using a hybrid multi-criteria recommendation system with genetic optimization. <i>Knowledge-Based Systems</i> , 2020, 194, 105385.	7.1	42
32	Personalized Links Recommendation Based on Data Mining in Adaptive Educational Hypermedia Systems. <i>Lecture Notes in Computer Science</i> , 2007, , 292-306.	1.3	41
33	A framework for recommendation in learning object repositories: An example of application in civil engineering. <i>Advances in Engineering Software</i> , 2013, 56, 1-14.	3.8	41
34	On the Use of Genetic Programming for Mining Comprehensible Rules in Subgroup Discovery. <i>IEEE Transactions on Cybernetics</i> , 2014, 44, 2329-2341.	9.5	40
35	Discovering Prediction Rules in AHA! Courses. <i>Lecture Notes in Computer Science</i> , 2003, , 25-34.	1.3	35
36	A holographic mobile-based application for practicing pronunciation of basic English vocabulary for Spanish speaking children. <i>International Journal of Human Computer Studies</i> , 2019, 124, 13-25.	5.6	34

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37	Web-based adaptive training simulator system for cardiac life support. Artificial Intelligence in Medicine, 2006, 38, 67-78.	6.5	32
38	Towards Portability of Models for Predicting Studentsâ€™ Final Performance in University Courses Starting from Moodle Logs. Applied Sciences (Switzerland), 2020, 10, 354.	2.5	29
39	Multi-source and multimodal data fusion for predicting academic performance in blended learning university courses. Computers and Electrical Engineering, 2021, 89, 106908.	4.8	29
40	Discovering learning processes using Inductive Miner: A case study with Learning Management Systems (LMSs). Psicothema, 2018, 30, 322-329.	0.9	28
41	Multi-instance genetic programming for web index recommendation. Expert Systems With Applications, 2009, 36, 11470-11479.	7.6	24
42	RM-Tool: A framework for discovering and evaluating association rules. Advances in Engineering Software, 2011, 42, 566-576.	3.8	23
43	Guest Editorial: Special Issue on Early Prediction and Supporting of Learning Performance. IEEE Transactions on Learning Technologies, 2019, 12, 145-147.	3.2	20
44	A review on data fusion in multimodal learning analytics and educational data mining. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2022, 12, .	6.8	16
45	Evolutionary algorithms for subgroup discovery applied to e-learning data. , 2010, , .		15
46	Improving essay peer grading accuracy in massive open online courses using personalized weights from student's engagement and performance. Journal of Computer Assisted Learning, 2019, 35, 110-120.	5.1	15
47	Using Rules Discovery for the Continuous Improvement of e-Learning Courses. Lecture Notes in Computer Science, 2006, , 887-895.	1.3	15
48	Predicting academic performance of university students from multi-sources data in blended learning. , 2019, , .		14
49	Improving prediction of studentsâ€™ performance in intelligent tutoring systems using attribute selection and ensembles of different multimodal data sources. Journal of Computing in Higher Education, 2021, 33, 614-634.	6.1	13
50	Early Prediction of Student Learning Performance Through Data Mining: A Systematic Review. Psicothema, 2021, 33, 456-465.	0.9	13
51	Predicting Academic Achievement Using Multiple Instance Genetic Programming. , 2009, , .		11
52	DRAL: a tool for discovering relevant e-activities for learners. Knowledge and Information Systems, 2013, 36, 211-250.	3.2	10
53	Authoring and Management Tools for Adaptive Educational Hypermedia Systems: The AHA! Case Study. Studies in Computational Intelligence, 2007, , 285-308.	0.9	10
54	Subgroup discovery in MOOCs: a big data application for describing different types of learners. Interactive Learning Environments, 2019, , 1-19.	6.4	9

#	ARTICLE	IF	CITATIONS
55	Improving the portability of predicting studentsâ€™ performance models by using ontologies. Journal of Computing in Higher Education, 2022, 34, 1-19.	6.1	8
56	Discovering Subgroups by Means of Genetic Programming. Lecture Notes in Computer Science, 2013, , 121-132.	1.3	8
57	Preface to the special issue on data mining for personalised educational systems. User Modeling and User-Adapted Interaction, 2011, 21, 1-3.	3.8	7
58	Improving Meta-learning for Algorithm Selection by Using Multi-label Classification: A Case of Study with Educational Data Sets. International Journal of Computational Intelligence Systems, 2015, 8, 1144.	2.7	7
59	Recommender systems in social and online learning environments. Expert Systems, 2015, 32, 261-263.	4.5	7
60	Modeling and predicting studentsâ€™ engagement behaviors using mixture Markov models. Knowledge and Information Systems, 2022, 64, 1349-1384.	3.2	7
61	Discovering clues to avoid middle school failure at early stages. , 2015, , .		6
62	J. A. Larusson, B. White (eds): Learning Analytics: From Research to Practice. Technology, Knowledge and Learning, 2015, 20, 357-360.	4.9	6
63	Multiple Instance Learning with Genetic Programming for Web Mining. , 2007, , 919-927.		5
64	Rule mining with GBGP to improve web-based adaptive educational systems. WIT Transactions on State-of-the-art in Science and Engineering, 2006, , 173-189.	0.0	5
65	Assignments as Influential Factor to Improve the Prediction of Student Performance in Online Courses. Applied Sciences (Switzerland), 2021, 11, 10145.	2.5	5
66	A similarity-based approach to enhance learning objects management systems. , 2011, , .		3
67	Using Android Wear for Avoiding Procrastination Behaviours in MOOCs. , 2016, , .		3
68	A genetic programming free-parameter algorithm for mining association rules. , 2012, , .		1
69	Editorial: A Message from the Editorial Team and an Introduction to the January-March 2016 Issue. IEEE Transactions on Learning Technologies, 2016, 9, 1-4.	3.2	0
70	Evolutionary Combining of Basis Function Neural Networks for Classification. Lecture Notes in Computer Science, 2007, , 447-456.	1.3	0