

Stefan Trausan-Matu

List of Publications by Year in descending order

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Version: 2024-02-01

166
papers

1,208
citations

566801

15
h-index

552369

26
g-index

184
all docs

184
docs citations

184
times ranked

669
citing authors

#	ARTICLE	IF	CITATIONS
1	Participation in virtual academic communities of practice under the influence of technology acceptance and community factors. A learning analytics application. Computers in Human Behavior, 2014, 34, 339-344.	5.1	78
2	ReaderBench: Automated evaluation of collaboration based on cohesion and dialogism. International Journal of Computer-Supported Collaborative Learning, 2015, 10, 395-423.	1.9	51
3	PolyCAFe™ automatic support for the polyphonic analysis of CSCL chats. International Journal of Computer-Supported Collaborative Learning, 2014, 9, 127-156.	1.9	48
4	ReaderBench, an Environment for Analyzing Text Complexity and Reading Strategies. Lecture Notes in Computer Science, 2013, , 379-388.	1.0	45
5	Cohesion network analysis of CSCL participation. Behavior Research Methods, 2018, 50, 604-619.	2.3	44
6	Cube-CNN-SVM: A Novel Hyperspectral Image Classification Method. , 2016, , .		43
7	A Polyphonic Model and System for Inter-animation Analysis in Chat Conversations with Multiple Participants. Lecture Notes in Computer Science, 2010, , 354-363.	1.0	37
8	SENSE: A collaborative selfish node detection and incentive mechanism for opportunistic networks. Journal of Network and Computer Applications, 2014, 41, 240-249.	5.8	33
9	Before and during COVID-19: A Cohesion Network Analysis of students'™ online participation in moodle courses. Computers in Human Behavior, 2021, 121, 106780.	5.1	32
10	Mining Texts, Learner Productions and Strategies with ReaderBench. Studies in Computational Intelligence, 2014, , 345-377.	0.7	32
11	Supporting Polyphonic Collaborative Learning. E-Service Journal, 2007, 6, 59.	0.6	31
12	Textual Complexity and Discourse Structure in Computer-Supported Collaborative Learning. Lecture Notes in Computer Science, 2012, , 352-357.	1.0	27
13	Adaptive event prediction strategy with dynamic time window for large-scale HPC systems. , 2011, , .		25
14	Event Log Mining Tool for Large Scale HPC Systems. Lecture Notes in Computer Science, 2011, , 52-64.	1.0	24
15	The Polyphonic Model of Hybrid and Collaborative Learning. , 0, , 466-486.		24
16	Opinion Propagation in Online Social Networks. , 2014, , .		23
17	Finding student-centered open learning environments on the internet: Automated dialogue assessment in academic virtual communities of practice. Computers in Human Behavior, 2015, 47, 119-127.	5.1	23
18	Automated essay scoring in applied games: Reducing the teacher bandwidth problem in online training. Computers and Education, 2018, 123, 212-224.	5.1	20

#	ARTICLE	IF	CITATIONS
19	Automatic Support for the Analysis of Online Collaborative Learning Chat Conversations. Lecture Notes in Computer Science, 2010, , 383-394.	1.0	13
20	Automatic Assessment of Collaborative Chat Conversations with PolyCAFe. Lecture Notes in Computer Science, 2011, , 299-312.	1.0	13
21	Automatic Fake News Detection for Romanian Online News. Information (Switzerland), 2022, 13, 151.	1.7	13
22	Discourse cohesion. , 2015, , .		12
23	ASAP- An Advanced System for Assessing Chat Participants. Lecture Notes in Computer Science, 2008, , 58-68.	1.0	12
24	ARSYS -- Article Recommender System. , 2012, , .		11
25	Predicting Question Quality Using Recurrent Neural Networks. Lecture Notes in Computer Science, 2018, , 491-502.	1.0	11
26	A Deep Insight in Chat Analysis: Collaboration, Evolution and Evaluation, Summarization and Search. Lecture Notes in Computer Science, 2010, , 191-200.	1.0	11
27	Overview and Preliminary Results of Using PolyCAFe for Collaboration Analysis and Feedback Generation. Lecture Notes in Computer Science, 2010, , 420-425.	1.0	11
28	The Runner -- Recommender System of Workout and Nutrition for Runners. , 2011, , .		10
29	Predicting newcomer integration in online learning communities: Automated dialog assessment in blogger communities. Computers in Human Behavior, 2020, 105, 106202.	5.1	10
30	ReaderBench Learns Dutch: Building a Comprehensive Automated Essay Scoring System for Dutch Language. Lecture Notes in Computer Science, 2017, , 52-63.	1.0	10
31	Mapping Data Mining Algorithms on a GPU Architecture: A Study. Lecture Notes in Computer Science, 2011, , 102-112.	1.0	9
32	ReaderBench: A Multi-lingual Framework for Analyzing Text Complexity. Lecture Notes in Computer Science, 2017, , 495-499.	1.0	9
33	Bring It on! Challenges Encountered While Building a Comprehensive Tutoring System Using ReaderBench. Lecture Notes in Computer Science, 2018, , 409-419.	1.0	9
34	Scoring Summaries Using Recurrent Neural Networks. Lecture Notes in Computer Science, 2018, , 191-201.	1.0	9
35	Validating the Automated Assessment of Participation and of Collaboration in Chat Conversations. Lecture Notes in Computer Science, 2014, , 230-235.	1.0	9
36	Towards an Integrated Approach for Evaluating Textual Complexity for Learning Purposes. Lecture Notes in Computer Science, 2012, , 268-278.	1.0	9

#	ARTICLE	IF	CITATIONS
37	Extracting Gamers' Opinions from Reviews. , 2016, , .		8
38	Repetition as Artifact Generation in Polyphonic CSCL Chats. , 2012, , .		7
39	Reflecting Comprehension through French Textual Complexity Factors. , 2014, , .		7
40	Combining Taxonomies using Word2vec. , 2016, , .		7
41	Automated dialog analysis to predict blogger community response to newcomer inquiries. Computers in Human Behavior, 2018, 89, 349-354.	5.1	7
42	ReaderBench : An Integrated Cohesion-Centered Framework. Lecture Notes in Computer Science, 2015, , 505-508.	1.0	7
43	ReadME â€“ Generating Personalized Feedback for Essay Writing Using the ReaderBench Framework. Smart Innovation, Systems and Technologies, 2019, , 133-145.	0.5	7
44	The Impact of Valence Shifters on Mining Implicit Economic Opinions. Lecture Notes in Computer Science, 2010, , 131-140.	1.0	7
45	A Paper Recommendation System with ReaderBench: The Graphical Visualization of Semantically Related Papers and Concepts. Lecture Notes in Educational Technology, 2016, , 445-451.	0.5	7
46	Comprehensive Exploration of Game Reviews Extraction and Opinion Mining Using NLP Techniques. Advances in Intelligent Systems and Computing, 2020, , 323-331.	0.5	7
47	Analyzing the Semantic Relatedness of Paper Abstracts: An Application to the Educational Research Field. , 2015, , .		6
48	A Three Word-Level Approach Used in Machine Learning for Romanian Sentiment Analysis. , 2019, , .		6
49	Ontology-Centered Personalized Presentation of Knowledge Extracted from the Web. Lecture Notes in Computer Science, 2002, , 259-269.	1.0	6
50	Are Automatically Identified Reading Strategies Reliable Predictors of Comprehension?. Lecture Notes in Computer Science, 2014, , 456-465.	1.0	6
51	Identification and Classification of the Most Important Moments from Studentsâ€™ Collaborative Discourses. Lecture Notes in Computer Science, 2012, , 330-339.	1.0	6
52	MODELING INDIVIDUAL DIFFERENCES AMONG WRITERS USING READERBENCH. , 2016, , .		6
53	Extraction of Socio-semantic Data from Chat Conversations in Collaborative Learning Communities. Lecture Notes in Computer Science, 2008, , 366-377.	1.0	6
54	Bringing the Social Semantic Web to the Personal Learning Environment. , 2010, , .		5

#	ARTICLE	IF	CITATIONS
55	A System for the Automatic Analysis of Computer-Supported Collaborative Learning Chats. , 2012, , .		5
56	Voices' inter-animation detection with readerbench modelling and assessing polyphony in CSCL chats as voice synergy. , 2013, , .		5
57	Predicting Student Performance and Differences in Learning Styles Based on Textual Complexity Indices Applied on Blog and Microblog Posts: A Preliminary Study. , 2016, , .		5
58	Expressing Sentiments in Game Reviews. Lecture Notes in Computer Science, 2016, , 352-355.	1.0	5
59	Classifying Written Texts Through Rhythmic Features. Lecture Notes in Computer Science, 2016, , 121-129.	1.0	5
60	Predicting Academic Performance Based on Students'™ Blog and Microblog Posts. Lecture Notes in Computer Science, 2016, , 370-376.	1.0	5
61	Predicting Comprehension from Students'™ Summaries. Lecture Notes in Computer Science, 2015, , 95-104.	1.0	5
62	Un environnement personnel d'™apprentissage Å©valuant des distances Å©pistÅ©miques et dialogiques. Distances Et Savoirs, 2011, 9, 473-492.	0.1	5
63	Concept-Based Topic Model Improvement. Studies in Computational Intelligence, 2011, , 133-142.	0.7	5
64	The Language Technologies for Lifelong Learning Project. , 2009, , .		4
65	Automatic forum analysis. , 2012, , .		4
66	Forming Teams by Psychological Traits – An Effective Method of Developing Groups in an Educational Environment. , 2013, , .		4
67	Analysis of collaboration in CSCL chat using rhetorical schemas. , 2016, , .		4
68	Unlocking the Power of Word2Vec for Identifying Implicit Links. , 2017, , .		4
69	Dialogism. , 2021, , 219-239.		4
70	Beyond Traditional NLP: A Distributed Solution for Optimizing Chat Processing - Automatic Chat Assessment Using Tagged Latent Semantic Analysis. , 2011, , .		3
71	Opinion Influence Analysis in Online Forum Threads. , 2014, , .		3
72	Seeker: A serious game for improving cognitive abilities. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
73	Rhetorical structure analysis for assessing collaborative processes in CSCL. , 2015, , .		3
74	Time Evolution of Writing Styles in Romanian Language. , 2016, , .		3
75	Finding the Needle in a Haystack: Who are the Most Central Authors Within a Domain?. Lecture Notes in Computer Science, 2016, , 632-635.	1.0	3
76	Semantic Boggle: A Game for Vocabulary Acquisition. Lecture Notes in Computer Science, 2017, , 606-609.	1.0	3
77	ReaderBench: Building Comprehensive Sociograms of Online Communities. , 2017, , .		3
78	Exploring Online Course Sociograms Using Cohesion Network Analysis. Lecture Notes in Computer Science, 2018, , 337-342.	1.0	3
79	Towards a Deep Speech Model for Romanian Language. , 2019, , .		3
80	Is it possible to grow an "I-Thou" relation with an artificial agent? A dialogistic perspective. AI and Society, 2019, 34, 9-17.	3.1	3
81	Informal Learning in Online Knowledge Communities: Predicting Community Response to Visitor Inquiries. Lecture Notes in Computer Science, 2015, , 447-452.	1.0	3
82	Computer-assisted evaluation of CSCL chat conversations. , 2009, , .		3
83	Help Me Understand This Conversation: Methods of Identifying Implicit Links Between CSCL Contributions. Lecture Notes in Computer Science, 2018, , 482-496.	1.0	3
84	Cohesion-Centered Analysis of Sociograms for Online Communities and Courses Using ReaderBench. Lecture Notes in Computer Science, 2018, , 622-626.	1.0	3
85	Building a Comprehensive Romanian Knowledge Base for Drug Administration. , 2019, , .		3
86	A socio-cultural ontology for urban development. Studies in Computational Intelligence, 2007, , 121-130.	0.7	2
87	Text analysis based on time series. , 2013, , .		2
88	Trust and user profiling for refining the prediction of reader's emotional state induced by news articles. , 2014, , .		2
89	Document clustering based on time series. , 2015, , .		2
90	How Well Do Student Nurses Write Case Studies? A Cohesion-Centered Textual Complexity Analysis. Lecture Notes in Computer Science, 2017, , 43-53.	1.0	2

#	ARTICLE	IF	CITATIONS
91	NLCP: Towards a Compiler for Natural Language. , 2017, , .		2
92	Atlas: News aggregation service. , 2017, , .		2
93	Identifying Socio-Cognitive Structures in Online Knowledge Building Communities Using Cohesion Network Analysis. , 2017, , .		2
94	Towards an Automated Model of Comprehension (AMoC). Lecture Notes in Computer Science, 2018, , 427-436.	1.0	2
95	Modeling Collaboration in Online Conversations Using Time Series Analysis and Dialogism. Lecture Notes in Computer Science, 2019, , 458-468.	1.0	2
96	Intelligent Platform for the Analysis of Drug Leaflets Using NLP Techniques. , 2019, , .		2
97	AlgoLabel: A Large Dataset for Multi-Label Classification of Algorithmic Challenges. Mathematics, 2020, 8, 1995.	1.1	2
98	Multi-document Cohesion Network Analysis: Visualizing Intratextual and Intertextual Links. Lecture Notes in Computer Science, 2020, , 80-85.	1.0	2
99	Supporting collaborative learning across social media applications. , 2009, , .		2
100	Metaphor Processing for Learning Terminology on the Web. Lecture Notes in Computer Science, 2000, , 232-241.	1.0	2
101	NLP-Based Heuristics for Assessing Participants in CSCL Chats. Lecture Notes in Computer Science, 2013, , 84-96.	1.0	2
102	Automatic Irony Detection for Romanian Online News. , 2020, , .		2
103	Identifying the Structure of CSCL Conversations Using String Kernels. Mathematics, 2021, 9, 3330.	1.1	2
104	Supporting knowledge Discovery in an eLearning Environment Having Social Components. , 2010, , 157-162.		1
105	Tagging Choreographic Data for Data Mining and Classification. , 2012, , .		1
106	The features-based evolution of the opinions in forums using a semantic summarization approach. , 2013, , .		1
107	Ontology-based flexible topic classification of crowdsourcing textual resources. , 2013, , .		1
108	A Tool for Discourse Analysis and Visualization. International Journal of Virtual Communities and Social Networking, 2013, 5, 55-71.	0.2	1

#	ARTICLE	IF	CITATIONS
109	User-Level Opinion Propagation Analysis in Discussion Forum Threads. Lecture Notes in Computer Science, 2014, , 25-36.	1.0	1
110	CSCL chats analysis using R package. , 2014, , .		1
111	A comprehensive study of Twitter social networks. , 2014, , .		1
112	Analysis of interactions in a collaborative learning session of instant messaging. , 2014, , .		1
113	Predicting the integration of newcomers in OKBCs based on existing members' involvement. , 2015, , .		1
114	Topics Evolution in Online Knowledge Building Communities: A Case Study of Cooking Versus Politics Blogs. , 2015, , .		1
115	Analyzing students pauses during reading and explaining a story. , 2015, , .		1
116	A comparison of semantic similarity techniques for a corpus of CSCL chats. , 2015, , .		1
117	Metaphor Annotation in Sesotho Text Corpus: Towards the Representation of Resource-Scarce Languages in NLP. , 2015, , .		1
118	A Model for the Recognition of Discourse Relations. , 2015, , .		1
119	The rhetorical nature of rhythm. , 2016, , .		1
120	Document semantic distance based on the time series model. , 2016, , .		1
121	Mass Customization in Continuing Medical Education: Automated Extraction of E-Learning Topics. Lecture Notes in Computer Science, 2017, , 576-579.	1.0	1
122	Intertextuality detection in literary texts using Word2Vec models. , 2017, , .		1
123	Using natural language processing for analyzing Arabic poetry rhythm. , 2017, , .		1
124	The Edutainment Platform: Interactive Storytelling Relying on Semantic Similarity. Lecture Notes in Educational Technology, 2018, , 87-96.	0.5	1
125	Analysis of Trends in Online Romanian News Using Semantic Models. , 2019, , .		1
126	PIAM - Intelligent Platform for Retrieving Relevant Information on Drugs Marketed in Romania. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
127	Technology: Creativity in Chats. , 2020, , 569-578.		1
128	Exploring Dialogism Using Language Models. Lecture Notes in Computer Science, 2021, , 296-301.	1.0	1
129	Cohesion Network Analysis: Predicting Course Grades and Generating Sociograms for a Romanian Moodle Course. Lecture Notes in Computer Science, 2020, , 174-183.	1.0	1
130	Voice Control Framework for Form Based Applications. Lecture Notes in Computer Science, 2014, , 222-227.	1.0	1
131	Repetition and Rhythmicity Based Assessment Model for Chat Conversations. Lecture Notes in Computer Science, 2011, , 513-522.	1.0	1
132	Network Based Analysis of Intertextual Relations. Advances in Intelligent Systems and Computing, 2013, , 753-762.	0.5	1
133	Automated Scoring of Self-explanations Using Recurrent Neural Networks. Lecture Notes in Computer Science, 2019, , 659-663.	1.0	1
134	Improving Writing for Romanian Language. Smart Innovation, Systems and Technologies, 2020, , 131-141.	0.5	1
135	Targeted Romanian Online News in a Mobile Application Using AI. , 2020, , .		1
136	Cohesion Network Analysis: Customized Curriculum Management in Moodle. , 2020, , .		1
137	COREFDRAW: a tool for annotation and visualization of coreference data. , 0, , .		0
138	Toolkit for automatic analysis of chat conversations. , 2010, , .		0
139	Ontology-Based Interoperability in Knowledge-Based Communication Systems. Advanced Information and Knowledge Processing, 2011, , 139-152.	0.2	0
140	Ant Colony Optimisation for Automatically Populating Ontologies with Individuals. , 2012, , .		0
141	A Tool for Discourse Analysis and Visualization. , 2012, , .		0
142	Overview and Preliminary Results for a Opinions Summarization Method. , 2013, , .		0
143	Developing an Arabic corpus for event mining. , 2013, , .		0
144	CSCL chats' analysis using time series. , 2014, , .		0

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145	Analysis of disfluency in audio and chat transcripts. , 2016, , .		0
146	Building a semantic recommendation engine for news feeds based on emerging topics from tweets. , 2016, , .		0
147	How Adequate Is Your CV? Analyzing French CVs with ReaderBench. , 2017, , .		0
148	Semantic Similarity versus Co-Authorship Networks: A Detailed Comparison. , 2017, , .		0
149	Predicting through writing style the impact of blog posts in online communities. , 2017, , .		0
150	Exploiting Opinion Influence in Question Answering Systems. , 2017, , .		0
151	Concurrent Processing of Scientific Articles using Cohesion Network Analysis. , 2018, , .		0
152	The Robbers and the Others – A Serious Game Using Natural Language Processing. Smart Innovation, Systems and Technologies, 2019, , 159-164.	0.5	0
153	Automated Prediction of Student Participation in Collaborative Dialogs Using Time Series Analyses. Smart Innovation, Systems and Technologies, 2019, , 177-185.	0.5	0
154	Dialogism Meets Language Models for Evaluating Involvement in CSCL Conversations. Smart Innovation, Systems and Technologies, 2022, , 67-78.	0.5	0
155	Flexible Querying of an Intelligent Information System for EU Joint Project Proposals in a Specific Topic. Lecture Notes in Computer Science, 2006, , 290-295.	1.0	0
156	Polyphony, a Knowledge-based Chat System Supporting Collaborative Work. Studies in Computational Intelligence, 2008, , 155-164.	0.7	0
157	MALAPROPISMS DETECTION AND CORRECTION USING A PARONYMS DICTIONARY, A SEARCH ENGINE AND WORDNET. , 2010, , .		0
158	FILLING THE GAPS USING GOOGLE 5-GRAMS CORPUS. , 2010, , .		0
159	AUTOMATIC FEEDBACK SYSTEM FOR COLLABORATIVE LEARNING USING CHATS AND FORUMS. , 2010, , .		0
160	Towards Automatic Structure Analysis of Digital Musical Content. Lecture Notes in Computer Science, 2012, , 223-229.	1.0	0
161	Modeling Post-level Sentiment Evolution in Online Forum Threads. , 2015, , .		0
162	What Makes Your Writing Style Unique? Significant Differences Between Two Famous Romanian Orators. Lecture Notes in Computer Science, 2016, , 143-152.	1.0	0

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163	ReadME – Your Personal Writing Assistant. Lecture Notes in Computer Science, 2019, , 751-755.	1.0	0
164	Prediction of Newcomer Integration in Online Knowledge Building Communities Using Time Series Analyses. Smart Innovation, Systems and Technologies, 2020, , 153-160.	0.5	0
165	Semantic Recommendations and Topic Modeling Based on the Chronology of Romanian Literary Life. Lecture Notes in Computer Science, 2020, , 164-174.	1.0	0
166	Inter-Animation between Utterances in Collaborative Chat Conversations. Advances in Human and Social Aspects of Technology Book Series, 0, , 63-93.	0.3	0