Stefan Trausan-Matu

List of Publications by Citations

147 papers	795 citations	16 h-index	21 g-index
184 ext. papers	989 ext. citations	1.4 avg, IF	4.39 L-index

#	Paper	IF	Citations
147	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	7.7	59
146	ReaderBench: Automated evaluation of collaboration based on cohesion and dialogism. *International Journal of Computer-Supported Collaborative Learning*, **2015**, 10, 395-423	4.6	37
145	PolyCAFe□utomatic support for the polyphonic analysis of CSCL chats. *International Journal of Computer-Supported Collaborative Learning*, **2014**, 9, 127-156	4.6	30
144	A Polyphonic Model and System for Inter-animation Analysis in Chat Conversations with Multiple Participants. *Lecture Notes in Computer Science*, **2010**, 354-363	0.9	29
143	Cohesion network analysis of CSCL participation. *Behavior Research Methods*, **2018**, 50, 604-619	6.1	27
142	Supporting Polyphonic Collaborative Learning. *E-Service Journal*, **2007**, 6, 59	1.7	26
141	SENSE: A collaborative selfish node detection and incentive mechanism for opportunistic networks. *Journal of Network and Computer Applications*, **2014**, 41, 240-249	7.9	25
140	ReaderBench, an Environment for Analyzing Text Complexity and Reading Strategies. *Lecture Notes in Computer Science*, **2013**, 379-388	0.9	25
139	Adaptive event prediction strategy with dynamic time window for large-scale HPC systems **2011**,		23
138	Cube-CNN-SVM: A Novel Hyperspectral Image Classification Method **2016**,		23
137	Mining Texts, Learner Productions and Strategies with ReaderBench. *Studies in Computational Intelligence*, **2014**, 345-377	0.8	21
136	Textual Complexity and Discourse Structure in Computer-Supported Collaborative Learning. *Lecture Notes in Computer Science*, **2012**, 352-357	0.9	20
135	Polyphonic Inter-Animation of Voices in VMT **2009**, 451-473		20
134	Event Log Mining Tool for Large Scale HPC Systems. *Lecture Notes in Computer Science*, **2011**, 52-64	0.9	18
133	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	7.7	16
132	The Polyphonic Model of Hybrid and Collaborative Learning466-486		16
131	Before and during COVID-19: A Cohesion Network Analysis of students□nline participation in moodle courses. *Computers in Human Behavior*, **2021**, 121, 106780	7.7	13

130	Polyphonic Support for Collaborative Learning. *Lecture Notes in Computer Science*, **2006**, 132-139	0.9	12
129	Opinion Propagation in Online Social Networks **2014**,		11
128	Discourse cohesion **2015**,		10
127	ASAP- An Advanced System for Assessing Chat Participants. *Lecture Notes in Computer Science*, **2008**, 58-68	0.9	10
126	Automated essay scoring in applied games: Reducing the teacher bandwidth problem in online training. *Computers and Education*, **2018**, 123, 212-224	9.5	10
125	Automatic Assessment of Collaborative Chat Conversations with PolyCAFe. *Lecture Notes in Computer Science*, **2011**, 299-312	0.9	9
124	Scoring Summaries Using Recurrent Neural Networks. *Lecture Notes in Computer Science*, **2018**, 191-201	0.9	8
123	ARSYS -- Article Recommender System **2012**,		8
122	Mapping Data Mining Algorithms on a GPU Architecture: A Study. *Lecture Notes in Computer Science* , **2011**, 102-112	0.9	8
121	Automatic Support for the Analysis of Online Collaborative Learning Chat Conversations. *Lecture Notes in Computer Science*, **2010**, 383-394	0.9	8
120	A Deep Insight in Chat Analysis: Collaboration, Evolution and Evaluation, Summarization and Search. *Lecture Notes in Computer Science*, **2010**, 191-200	0.9	8
119	Overview and Preliminary Results of Using PolyCAFe for Collaboration Analysis and Feedback Generation. *Lecture Notes in Computer Science*, **2010**, 420-425	0.9	8
118	Towards an Integrated Approach for Evaluating Textual Complexity for Learning Purposes. *Lecture Notes in Computer Science*, **2012**, 268-278	0.9	7
117	Predicting newcomer integration in online learning communities: Automated dialog assessment in blogger communities. *Computers in Human Behavior*, **2020**, 105, 106202	7.7	7
116	Automated dialog analysis to predict blogger community response to newcomer inquiries. *Computers in Human Behavior*, **2018**, 89, 349-354	7.7	6
115	Reflecting Comprehension through French Textual Complexity Factors **2014**,		6
114	MODELING INDIVIDUAL DIFFERENCES AMONG WRITERS USING READERBENCH **2016**,		6
113	ReaderBench Learns Dutch: Building a Comprehensive Automated Essay Scoring System for Dutch Language. *Lecture Notes in Computer Science*, **2017**, 52-63	0.9	6

112	Predicting Question Quality Using Recurrent Neural Networks. *Lecture Notes in Computer Science*, **2018**, 491-502	0.9	6
111	Bring It on! Challenges Encountered While Building a Comprehensive Tutoring System Using ReaderBench. *Lecture Notes in Computer Science*, **2018**, 409-419	0.9	6
110	Collaborative and Differential Utterances, Pivotal Moments, and Polyphony **2013**, 123-139		6
109	Expressing Sentiments in Game Reviews. *Lecture Notes in Computer Science*, **2016**, 352-355	0.9	5
108	Combining Taxonomies using Word2vec **2016**,		5
107	A System for the Automatic Analysis of Computer-Supported Collaborative Learning Chats **2012**,		5
106	Extraction of Socio-semantic Data from Chat Conversations in Collaborative Learning Communities. *Lecture Notes in Computer Science*, **2008**, 366-377	0.9	5
105	Predicting Comprehension from Students Summaries. *Lecture Notes in Computer Science*, **2015**, 95-104	0.9	5
104	Analyzing Emotional States Induced by News Articles with Latent Semantic Analysis. *Lecture Notes in Computer Science*, **2012**, 59-68	0.9	5
103	Extracting Gamers' Opinions from Reviews **2016**,		5
102	Predicting Academic Performance Based on Students Blog and Microblog Posts. *Lecture Notes in Computer Science*, **2016**, 370-376	0.9	4
101	Unlocking the Power of Word2Vec for Identifying Implicit Links **2017**,		4
100	Repetition as Artifact Generation in Polyphonic CSCL Chats **2012**,		4
99	Voices' inter-animation detection with readerbench modelling and assessing polyphony in CSCL chats as voice synergy **2013**,		4
98	The Runner -- Recommender System of Workout and Nutrition for Runners **2011**,		4
97	Validating the Automated Assessment of Participation and of Collaboration in Chat Conversations. *Lecture Notes in Computer Science*, **2014**, 230-235	0.9	4
96	Are Automatically Identified Reading Strategies Reliable Predictors of Comprehension?. *Lecture Notes in Computer Science*, **2014**, 456-465	0.9	4
95	ReaderBench : An Integrated Cohesion-Centered Framework. *Lecture Notes in Computer Science*, **2015**, 505-508	0.9	4

94	ReadME Generating Personalized Feedback for Essay Writing Using the ReaderBench Framework. *Smart Innovation, Systems and Technologies*, **2019**, 133-145	0.5	4
93	The Impact of Valence Shifters on Mining Implicit Economic Opinions. *Lecture Notes in Computer Science*, **2010**, 131-140	0.9	4
92	Identification and Classification of the Most Important Moments from Students Collaborative Discourses. *Lecture Notes in Computer Science*, **2012**, 330-339	0.9	4
91	A Paper Recommendation System with ReaderBench: The Graphical Visualization of Semantically Related Papers and Concepts. *Lecture Notes in Educational Technology*, **2016**, 445-451	0.4	4
90	Predicting Student Performance and Differences in Learning Styles Based on Textual Complexity Indices Applied on Blog and Microblog Posts: A Preliminary Study **2016**,		4
89	A Three Word-Level Approach Used in Machine Learning for Romanian Sentiment Analysis **2019**,		4
88	Analyzing the Semantic Relatedness of Paper Abstracts: An Application to the Educational Research Field **2015**,		3
87	Classifying Written Texts Through Rhythmic Features. *Lecture Notes in Computer Science*, **2016**, 121-129	0.9	3
86	ReaderBench: A Multi-lingual Framework for Analyzing Text Complexity. *Lecture Notes in Computer Science*, **2017**, 495-499	0.9	3
85	ReaderBench: Building Comprehensive Sociograms of Online Communities **2017**,		3
84	Bringing the Social Semantic Web to the Personal Learning Environment **2010**,		3
83	Un environnement personnel dapprentissage valuant des distances pistmiques et dialogiques. *Distances Et Savoirs*, **2011**, 9, 473-492		3
82	Building a Comprehensive Romanian Knowledge Base for Drug Administration **2019**,		3
81	Comprehensive Exploration of Game Reviews Extraction and Opinion Mining Using NLP Techniques. *Advances in Intelligent Systems and Computing*, **2020**, 323-331	0.4	3
80	Informal Learning in Online Knowledge Communities: Predicting Community Response to Visitor Inquiries. *Lecture Notes in Computer Science*, **2015**, 447-452	0.9	3
79	Computer-assisted evaluation of CSCL chat conversations **2009**,		3
78	Virtual Communities of Practice in Academia: Automated Analysis of Collaboration Based on the Social Knowledge-Building Model. *Lecture Notes in Computer Science*, **2013**, 623-624	0.9	3
77	Is it possible to grow an Ithou relation with an artificial agent? A dialogistic perspective. *AI and Society*, **2019**, 34, 9-17	2.1	3

76	Exploring Online Course Sociograms Using Cohesion Network Analysis. *Lecture Notes in Computer Science*, **2018**, 337-342	0.9	3
75	Ontology-Centered Personalized Presentation of Knowledge Extracted from the Web. *Lecture Notes in Computer Science*, **2002**, 259-269	0.9	3
74	Document clustering based on time series **2015**,		2
73	Forming Teams by Psychological Traits -- An Effective Method of Developing Groups in an Educational Environment **2013**,		2
72	NLCP: Towards a Compiler for Natural Language **2017**,		2
71	Atlas: News aggregation service **2017**,		2
70	Identifying Socio-Cognitive Structures in Online Knowledge Building Communities Using Cohesion Network Analysis **2017**,		2
69	Beyond Traditional NLP: A Distributed Solution for Optimizing Chat Processing - Automatic Chat Assessment Using Tagged Latent Semantic Analysis **2011**,		2
68	The Language Technologies for Lifelong Learning Project **2009**,		2
67	Automatic forum analysis **2012**,		2
66	A socio-cultural ontology for urban development. *Studies in Computational Intelligence*, **2007**, 121-130	0.8	2
65	Autonomous News Clustering and Classification for an Intelligent Web Portal **2008**, 477-486		2
64	Supporting collaborative learning across social media applications **2009**,		2
63	Multi-document Cohesion Network Analysis: Visualizing Intratextual and Intertextual Links. *Lecture Notes in Computer Science*, **2020**, 80-85	0.9	2
62	Concept-Based Topic Model Improvement. *Studies in Computational Intelligence*, **2011**, 133-142	0.8	2
61	Identifying Implicit Links in CSCL Chats Using String Kernels and Neural Networks. *Lecture Notes in Computer Science*, **2018**, 204-208	0.9	2
60	Rhetorical structure analysis for assessing collaborative processes in CSCL **2015**,		1
59	Technology: Creativity in Chats **2020**, 569-578		1

58	Finding the Needle in a Haystack: Who are the Most Central Authors Within a Domain?. *Lecture Notes in Computer Science*, **2016**, 632-635	0.9	1
57	Analysis of collaboration in CSCL chat using rhetorical schemas **2016**,		1
56	Modeling Collaboration in Online Conversations Using Time Series Analysis and Dialogism. *Lecture Notes in Computer Science*, **2019**, 458-468	0.9	1
55	Text analysis based on time series **2013**,		1
54	How Well Do Student Nurses Write Case Studies? A Cohesion-Centered Textual Complexity Analysis. *Lecture Notes in Computer Science*, **2017**, 43-53	0.9	1
53	Semantic Boggle: A Game for Vocabulary Acquisition. *Lecture Notes in Computer Science*, **2017**, 606-609	0.9	1
52	Seeker: A serious game for improving cognitive abilities **2015**,		1
51	Analyzing students pauses during reading and explaining a story **2015**,		1
50	A comparison of semantic similarity techniques for a corpus of CSCL chats **2015**,		1
49	Trust and user profiling for refining the prediction of reader's emotional state induced by news articles **2014**,		1
48	CSCL chats analysis using R package **2014**,		1
47	A comprehensive study of Twitter social networks **2014**,		1
46	A Tool for Discourse Analysis and Visualization. *International Journal of Virtual Communities and Social Networking*, **2013**, 5, 55-71		1
45	Tagging Choreographic Data for Data Mining and Classification **2012**,		1
44	Automatic Irony Detection for Romanian Online News **2020**,		1
43	Metaphor Processing for Learning Terminology on the Web. *Lecture Notes in Computer Science*, **2000**, 232-241	0.9	1
42	Help Me Understand This Conversation: Methods of Identifying Implicit Links Between CSCL Contributions. *Lecture Notes in Computer Science*, **2018**, 482-496	0.9	1
41	Semantic Meta-search Using Cohesion Network Analysis. *Lecture Notes in Computer Science*, **2018**, 207-219	0.9	1

40	Improving Writing for Romanian Language. *Smart Innovation, Systems and Technologies*, **2020**, 131-141	0.5	1
39	Cohesion Network Analysis: Predicting Course Grades and Generating Sociograms for a Romanian Moodle Course. *Lecture Notes in Computer Science*, **2020**, 174-183	0.9	1
38	Voice Control Framework for Form Based Applications. *Lecture Notes in Computer Science*, **2014**, 222-227	0.9	1
37	Predicting Newcomer Integration in Online Knowledge Communities by Automated Dialog Analysis. *Lecture Notes in Educational Technology*, **2016**, 13-17	0.4	1
36	Using the Social Web to Supplement Classical Learning. *Lecture Notes in Computer Science*, **2009**, 386-389	0.9	1
35	Repetition and Rhythmicity Based Assessment Model for Chat Conversations. *Lecture Notes in Computer Science*, **2011**, 513-522	0.9	1
34	AlgoLabel: A Large Dataset for Multi-Label Classification of Algorithmic Challenges. *Mathematics*, **2020**, 8, 1995	2.3	1
33	Time Evolution of Writing Styles in Romanian Language **2016**,		1
32	Intelligent Platform for the Analysis of Drug Leaflets Using NLP Techniques **2019**,		1
31	Exploring Dialogism Using Language Models. *Lecture Notes in Computer Science*, **2021**, 296-301	0.9	1
30	Towards an Automated Model of Comprehension (AMoC). *Lecture Notes in Computer Science*, **2018**, 427-436	0.9	1
29	ReadME Enhancing Automated Writing Evaluation. *Lecture Notes in Computer Science*, **2018**, 281-285	0.9	1
28	Mass Customization in Continuing Medical Education: Automated Extraction of E-Learning Topics. *Lecture Notes in Computer Science*, **2017**, 576-579	0.9	0
27	Cohesion-Centered Analysis of Sociograms for Online Communities and Courses Using ReaderBench. *Lecture Notes in Computer Science*, **2018**, 622-626	0.9	0
26	Network Based Analysis of Intertextual Relations. *Advances in Intelligent Systems and Computing*, **2013**, 753-762	0.4	0
25	NLP-Based Heuristics for Assessing Participants in CSCL Chats. *Lecture Notes in Computer Science*, **2013**, 84-96	0.9	0
24	Automatic Fake News Detection for Romanian Online News. *Information (Switzerland)*, **2022**, 13, 151	2.6	0
23	Identifying the Structure of CSCL Conversations Using String Kernels. *Mathematics*, **2021**, 9, 3330	2.3	0

22	Dialogism **2021**, 219-239	0
21	The Edutainment Platform: Interactive Storytelling Relying on Semantic Similarity. *Lecture Notes in Educational Technology*, **2018**, 87-96	0.4
20	Exploring General Morphological Analysis and Providing Personalized Recommendations to Stimulate Creativity with ReaderBench. *Lecture Notes in Educational Technology*, **2018**, 41-50	0.4
19	Extracting Patterns from Educational Traces via Clustering and Associated Quality Metrics. *Lecture Notes in Computer Science*, **2016**, 109-118	0.9
18	The Robbers and the Others A Serious Game Using Natural Language Processing. *Smart Innovation, Systems and Technologies*, **2019**, 159-164	0.5
17	Automated Prediction of Student Participation in Collaborative Dialogs Using Time Series Analyses. *Smart Innovation, Systems and Technologies*, **2019**, 177-185	0.5
16	User-Level Opinion Propagation Analysis in Discussion Forum Threads. *Lecture Notes in Computer Science*, **2014**, 25-36	0.9
15	Ontology-Based Interoperability in Knowledge-Based Communication Systems. *Advanced Information and Knowledge Processing*, **2011**, 139-152	0.3
14	Supporting knowledge Discovery in an eLearning Environment Having Social Components **2010**, 157-162	
13	Inter-Animation between Utterances in Collaborative Chat Conversations. *Advances in Human and Social Aspects of Technology Book Series*,63-93	0.2
12	Newcomer Integration in Online Communities: Chronemics in Asynchronous Collaborative Discussions. *Smart Innovation, Systems and Technologies*, **2021**, 27-38	0.5
11	Flexible Querying of an Intelligent Information System for EU Joint Project Proposals in a Specific Topic. *Lecture Notes in Computer Science*, **2006**, 290-295	0.9
10	Polyphony, a Knowledge-based Chat System Supporting Collaborative Work. *Studies in Computational Intelligence*, **2008**, 155-164	0.8
9	Automated Scoring of Self-explanations Using Recurrent Neural Networks. *Lecture Notes in Computer Science*, **2019**, 659-663	0.9
8	ReadME Your Personal Writing Assistant. *Lecture Notes in Computer Science*, **2019**, 751-755	0.9
7	Prediction of Newcomer Integration in Online Knowledge Building Communities Using Time Series Analyses. *Smart Innovation, Systems and Technologies*, **2020**, 153-160	0.5
6	Cohesion Network Analysis for Predicting User Ranks in Reddit Communities. *Smart Innovation, Systems and Technologies*, **2021**, 173-185	0.5
5	Semantic Recommendations and Topic Modeling Based on the Chronology of Romanian Literary Life. *Lecture Notes in Computer Science*, **2020**, 164-174	0.9

4	What Makes Your Writing Style Unique? Significant Differences Between Two Famous Romanian Orators. *Lecture Notes in Computer Science*, **2016**, 143-152	0.9
3	Towards Automatic Structure Analysis of Digital Musical Content. *Lecture Notes in Computer Science* , **2012**, 223-229	0.9
2	Dialogism Meets Language Models for Evaluating Involvement in CSCL Conversations. *Smart Innovation, Systems and Technologies*, **2022**, 67-78	0.5
1	Artifact Analysis **2021**, 551-567	