Flavius Frasincar

List of Publications by Year
in descending order

166 papers	3,174 citations

257450

24 h-index	

243625

44 g-index	

184 all docs	184 docs citations

184 times ranked	1996 citing authors

#	Article	IF	Citations
1	A Survey on Aspect-Based Sentiment Classification. ACM Computing Surveys, 2023, 55, 1-37.	23.0	42
2	Automatically Building Financial Sentiment Lexicons While Accounting for Negation. Cognitive Computation, 2022, 14, 442-460.	5.2	8
3	Enhancing Semantics-Driven Recommender Systems with Visual Features. Lecture Notes in Computer Science, 2022, , 443-459.	1.3	1
4	Modeling Second Language Acquisition with pre-trained neural language models. Expert Systems With Applications, 2022, 207, 117871.	7.6	2
5	Explaining aÂDeep Neural Model withÂHierarchical Attention forÂAspect-Based Sentiment Classification Using Diagnostic Classifiers. Lecture Notes in Computer Science, 2022, , 268-282.	1.3	2
6	Data augmentation in a hybrid approach for aspect-based sentiment analysis. , 2021, , .		9
7	Explaining a neural attention model for aspect-based sentiment classification using diagnostic classification. , 2021, , .		4
8	Active learning strategies for solving the cold user problem in model-based recommender systems. Web Intelligence, 2021, 18, 269-283.	0.2	2
9	A competing risks model based on latent Dirichlet Allocation for predicting churn reasons. Decision Support Systems, 2021, 146, 113541.	5.9	17
10	APFA: Automated product feature alignment for duplicate detection. Expert Systems With Applications, 2021, 174, 114759.	7.6	0
11	The impact of word sense disambiguation on stock price prediction. Expert Systems With Applications, 2021, 184, 115568.	7.6	7
12	WEB-SOBA: Word Embeddings-Based Semi-automatic Ontology Building for Aspect-Based Sentiment Classification. Lecture Notes in Computer Science, 2021, , 340-355.	1.3	2
13	Adversarial Training forÂaÂHybrid Approach toÂAspect-Based Sentiment Analysis. Lecture Notes in Computer Science, 2021, , 291-305.	1.3	0
14	Addressing Scalability Issues in Semantics-Driven Recommender Systems. , 2021, , .		2
15	Fine-Tuning for Cross-Domain Aspect-Based Sentiment Classification. , 2021, , .		2
16	Scalable entity resolution for Web product descriptions. Information Fusion, 2020, 53, 103-111.	19.1	2
17	Intent Classification for Dialogue Utterances. IEEE Intelligent Systems, 2020, 35, 82-88.	4.0	40
18	SOBA: Semi-automated Ontology Builder for Aspect-based sentiment analysis. Web Semantics, 2020, 60, 100544.	2.9	21

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19	Determining the most representative image on a Web page. Information Sciences, 2020, 512, 1234-1248.	6.9	7
20	ALDONAr: A hybrid solution for sentence-level aspect-based sentiment analysis using a lexicalized domain ontology and a regularized neural attention model. Information Processing and Management, 2020, 57, 102211.	8.6	65
21	SASOBUS: Semi-automatic Sentiment Domain Ontology Building Using Synsets. Lecture Notes in Computer Science, 2020, , 105-120.	1.3	5
22	A Hybrid Approach for Aspect-Based Sentiment Analysis Using Deep Contextual Word Embeddings and Hierarchical Attention. Lecture Notes in Computer Science, 2020, , 365-380.	1.3	15
23	Pattern Learning for Detecting Defect Reports and Improvement Requests in App Reviews. Lecture Notes in Computer Science, 2020, , 126-134.	1.3	2
24	Using word embeddings for ontology-driven aspect-based sentiment analysis. , 2020, , .		2
25	Predicting individual behaviour: an empirical approach in online marketing. International Journal of Web Engineering and Technology, 2020, 15, 283.	0.2	0
26	Bing-CSF-IDF+: A Semantics-Driven Recommender System for News. Communications in Computer and Information Science, 2020, , 143-153.	0.5	3
27	An elastic net regularized matrix factorization technique for recommender systems. , 2020, , .		1
28	A Hybrid Approach for Aspect-Based Sentiment Analysis Using a Lexicalized Domain Ontology and Attentional Neural Models. Lecture Notes in Computer Science, 2019, , 363-378.	1.3	35
29	Bing-CF-IDF+: A Semantics-Driven News Recommender System. Lecture Notes in Computer Science, 2019, , 32-47.	1.3	7
30	Augmenting LOD-Based Recommender Systems Using Graph Centrality Measures. Lecture Notes in Computer Science, 2019, , 19-31.	1.3	3
31	Exploring lexico-semantic patterns for aspect-based sentiment analysis. , 2019, , .		1
32	ALDONA. , 2019, , .		10
33	Heracles: A framework for developing and evaluating text mining algorithms. Expert Systems With Applications, 2019, 127, 68-84.	7.6	10
34	Ontology-Driven News Classification with Aethalides. Journal of Web Engineering, 2019, 18, 627-654.	0.7	7
35	Supervised and Unsupervised Aspect Category Detection for Sentiment Analysis with Co-occurrence Data. IEEE Transactions on Cybernetics, 2018, 48, 1263-1275.	9.5	97
36	Dynamic Facet Ordering for Faceted Product Search Engines (Extended Abstract). , 2018, , .		0

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37	Review-aggregated aspect-based sentiment analysis with ontology features. Progress in Artificial Intelligence, 2018, 7, 295-306.	2.4	20
38	An LSH-Based Model-Words-Driven Product Duplicate Detection Method. Lecture Notes in Computer Science, 2018, , 409-423.	1.3	3
39	Review-level aspect-based sentiment analysis using an ontology. , 2018, , .		10
40	Ontology-Driven Sentiment Analysis of Product and Service Aspects. Lecture Notes in Computer Science, 2018, , 608-623.	1.3	15
41	News Recommendation with CF-IDF+. Lecture Notes in Computer Science, 2018, , 170-184.	1.3	8
42	Dynamic Facet Ordering for Faceted Product Search Engines. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1004-1016.	5.7	28
43	Addressing the cold user problem for model-based recommender systems. , 2017, , .		2
44	An Ontology-Enhanced Hybrid Approach to Aspect-Based Sentiment Analysis. Lecture Notes in Computer Science, 2017, , 338-345.	1.3	3
45	Analysing the effect of offline media on online conversion actions. International Journal of Web Engineering and Technology, 2017, 12, 165.	0.2	1
46	Ontology-Enhanced Aspect-Based Sentiment Analysis. Lecture Notes in Computer Science, 2017, , 302-320.	1.3	18
47	A linked open data schema-driven approach for Top-N recommendations. , 2017, , .		7
48	Aspect-Based Sentiment Analysis on the Web Using Rhetorical Structure Theory. Lecture Notes in Computer Science, 2016, , 317-334.	1.3	12
49	Detection of Multiple Implicit Features per Sentence in Consumer Review Data. Communications in Computer and Information Science, 2016, , 289-303.	0.5	11
50	A Survey of event extraction methods from text for decision support systems. Decision Support Systems, 2016, 85, 12-22.	5.9	89
51	Survey on Aspect-Level Sentiment Analysis. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 813-830.	5.7	518
52	Aspect-Based Sentiment Analysis Using Lexico-Semantic Patterns. Lecture Notes in Computer Science, 2016, , 35-42.	1.3	6
53	Duplicate detection in web shops using LSH to reduce the number of computations. , 2016, , .		7
54	A Data Type-Driven Property Alignment Framework for Product Duplicate Detection on the Web. Lecture Notes in Computer Science, 2016, , 380-395.	1.3	2

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55	Web News Sentence Searching Using Linguistic Graph Similarity. Communications in Computer and Information Science, 2016, , 319-333.	0.5	0
56	A news event-driven approach for the historical value at risk method. Expert Systems With Applications, 2015, 42, 4667-4675.	7.6	9
57	Multi-component similarity method for web product duplicate detection. , 2015, , .		15
58	Bing-SF-IDF+. , 2015, , .		13
59	Using rhetorical structure in sentiment analysis. Communications of the ACM, 2015, 58, 69-77.	4.5	46
60	Polarity classification using structure-based vector representations of text. Decision Support Systems, 2015, 74, 46-56.	5.9	13
61	RDF chain query optimization in a distributed environment. , 2015, , .		2
62	Semantics-Driven Implicit Aspect Detection in Consumer Reviews. , 2015, , .		6
63	Automated product taxonomy mapping in an e-commerce environment. Expert Systems With Applications, 2015, 42, 1298-1313.	7.6	19
64	The Benefit of Concept-Based Features for Sentiment Analysis. Communications in Computer and Information Science, 2015, , 223-233.	0.5	9
65	Temporally Enhanced Ontologies in OWL: A Shared Conceptual Model and Reference Implementation. Lecture Notes in Computer Science, 2015, , 31-45.	1.3	0
66	An Ontology-Based Approach for Product Entity Resolution on the Web. Lecture Notes in Computer Science, 2014, , 534-543.	1.3	2
67	Bing-SF-IDF+. , 2014, , .		3
68	Ontology population from web product information. , 2014, , .		1
69	Implicit feature detection for sentiment analysis. , 2014, , .		3
70	Implicit Feature Extraction for Sentiment Analysis in Consumer Reviews. Lecture Notes in Computer Science, 2014, , 228-231.	1.3	2
71	Finding Implicit Features in Consumer Reviews for Sentiment Analysis. Lecture Notes in Computer Science, 2014, , 130-144.	1.3	29
72	A semantic approach for extracting domain taxonomies from text. Decision Support Systems, 2014, 62, 78-93.	5.9	50

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73	Multi-lingual support for lexicon-based sentiment analysis guided by semantics. Decision Support Systems, 2014, 62, 43-53.	5.9	70
74	An Automated Framework for Incorporating News into Stock Trading Strategies. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 823-835.	5.7	66
75	A framework for Web news items analysis in relation to share prices. , 2014, , .		2
76	FLOPPIES: A Framework for Large-Scale Ontology Population of Product Information from Tabular Data in E-commerce Stores. Decision Support Systems, 2014, 59, 296-311.	5.9	28
77	A query language and ranking algorithm for news items in the Hermes news processing framework. Science of Computer Programming, 2014, 94, 32-52.	1.9	6
78	Lexicon-based sentiment analysis by mapping conveyed sentiment to intended sentiment. International Journal of Web Engineering and Technology, 2014, 9, 125.	0.2	8
79	A Genetic Programming Approach for Learning Semantic Information Extraction Rules from News. Lecture Notes in Computer Science, 2014, , 418-432.	1.3	2
80	COMMIT-P1WP3: A Co-occurrence Based Approach to Aspect-Level Sentiment Analysis. , 2014, , .		14
81	Ontology-Based Management of Conflicting Products in Pixel Advertising. Lecture Notes in Computer Science, 2014, , 433-447.	1.3	0
82	A Semantic Web Approach for Visualization-Based News Analytics. Lecture Notes in Business Information Processing, 2014, , 195-204.	1.0	2
83	Semantics-based information extraction for detecting economic events. Multimedia Tools and Applications, 2013, 64, 27-52.	3.9	47
84	A reverse engineering approach for automatic annotation of Web pages. Multimedia Tools and Applications, 2013, 64, 119-140.	3.9	3
85	A general framework for time-aware decision support systems. Expert Systems With Applications, 2013, 40, 399-407.	7.6	8
86	A Hybrid Model Words-Driven Approach for Web Product Duplicate Detection. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2013, , 149-161.	0.3	12
87	Ant colony optimization for RDF chain queries for decision support. Expert Systems With Applications, 2013, 40, 1555-1563.	7.6	17
88	Domain taxonomy learning from text: The subsumption method versus hierarchical clustering. Data and Knowledge Engineering, 2013, 83, 54-69.	3.4	60
89	Semantic Web service discovery using natural language processing techniques. Expert Systems With Applications, 2013, 40, 4660-4671.	7.6	62
90	Automatic review identification on the web using pattern recognition. Software - Practice and Experience, 2013, 43, 1415-1436.	3.6	1

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91	Semantics-based news recommendation with SF-IDF+. , 2013, , .		12
92	Facet selection algorithms for web product search. , 2013, , .		29
93	Model words-driven approaches for duplicate detection on the web. , 2013, , .		3
94	Semantic news recommendation using wordnet and bing similarities. , 2013, , .		22
95	Exploiting emoticons in sentiment analysis. , 2013, , .		133
96	A case-based analysis of the effect of offline media on online conversion actions. , 2013, , .		1
97	Towards Cross-Language Sentiment Analysis through Universal Star Ratings. Advances in Intelligent Systems and Computing, 2013, , 69-79.	0.6	5
98	A Linguistic Graph-Based Approach for Web News Sentence Searching. Lecture Notes in Computer Science, 2013, , 57-64.	1.3	1
99	A Dependency Graph Isomorphism for News Sentence Searching. Lecture Notes in Computer Science, 2013, , 384-387.	1.3	0
100	TaxoLearn: A Semantic Approach to Domain Taxonomy Learning. , 2012, , .		12
101	Using Hierarchical Edge Bundles to visualize complex ontologies in GLOW. , 2012, , .		19
102	RCQ-ACS: RDF Chain Query Optimization Using an Ant Colony System. , 2012, , .		1
103	Querying and ranking news items in the hermes framework. , 2012, , .		1
104	Semantics-based news recommendation. , 2012, , .		47
105	A Linguistic Approach for Semantic Web Service Discovery. Advances in Intelligent Systems and Computing, 2012, , 131-142.	0.6	2
106	Temporal optimisations and temporal cardinality in the tOWL language. International Journal of Web Engineering and Technology, 2012, 7, 45.	0.2	6
107	A Comparison Study for Novelty Control Mechanisms Applied to Web News Stories. , 2012, , .		8
108	A lexico-semantic pattern language for learning ontology instances from text. Web Semantics, 2012, 15, 37-50.	2.9	32

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109	Event-based historical Value-at-Risk. , 2012, , .		2
110	Faceted product search powered by the Semantic Web. Decision Support Systems, 2012, 53, 425-437.	5.9	62
111	A semantic-based approach for searching and browsing tag spaces. Decision Support Systems, 2012, 54, 644-654.	5.9	8
112	A Lexico-Semantic Pattern Language for Learning Ontology Instances from Text. SSRN Electronic Journal, 2012, , .	0.4	1
113	tOWL: A Temporal Web Ontology Language. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 268-281.	5.0	42
114	SCHEMA - An Algorithm for Automated Product Taxonomy Mapping in E-commerce. Lecture Notes in Computer Science, 2012, , 300-314.	1.3	5
115	An Automatic Approach for Mapping Product Taxonomies in E-Commerce Systems. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2012, , 334-349.	0.3	5
116	Structuring Political Documents for Importance Ranking. Lecture Notes in Computer Science, 2012, , 345-350.	1.3	2
117	Event-Driven Ontology Updating. Lecture Notes in Computer Science, 2012, , 44-57.	1.3	4
118	An Empirical Study for Determining Relevant Features for Sentiment Summarization of Online Conversational Documents. Lecture Notes in Computer Science, 2012, , 567-579.	1.3	5
119	Scaling Pair-Wise Similarity-Based Algorithms in Tagging Spaces. Lecture Notes in Computer Science, 2012, , 46-60.	1.3	2
120	An Automated Approach to Product Taxonomy Mapping in E-Commerce. Advances in Intelligent Systems and Computing, 2012, , 111-120.	0.6	0
121	Ninth International Workshop on Web Information Systems Modeling (WISM 2012). Lecture Notes in Computer Science, 2012, , 325-326.	1.3	0
122	Determining negation scope and strength in sentiment analysis. , 2011, , .		43
123	A fuzzy model of a European index based on automatically extracted content information. , 2011, , .		2
124	Sentiment Lexicon Creation from Lexical Resources. Lecture Notes in Business Information Processing, 2011, , 185-196.	1.0	20
125	Maximizing revenue with allocation of multiple advertisements on a Web banner. Computers and Operations Research, 2011, 38, 1412-1424.	4.0	12
126	Polarity analysis of texts using discourse structure. , 2011, , .		73

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127	A framework for automatic annotation of web pages using the Google rich snippets vocabulary. , 2011, , .		4
128	A semantic clustering-based approach for searching and browsing tag spaces. , 2011, , .		13
129	News personalization using the CF-IDF semantic recommender. , 2011, , .		52
130	Improving the Exploration of Tag Spaces Using Automated Tag Clustering. Lecture Notes in Computer Science, 2011, , 274-288.	1.3	5
131	Word Sense Disambiguation for Automatic Taxonomy Construction from Text-Based Web Corpora. Lecture Notes in Computer Science, 2011, , 241-248.	1.3	1
132	Sentiment Analysis with a Multilingual Pipeline. Lecture Notes in Computer Science, 2011, , 129-142.	1.3	7
133	Preface to WISM 2011. Lecture Notes in Computer Science, 2011, , 1-1.	1.3	0
134	Semi-automatic financial events discovery based on lexico-semantic patterns. International Journal of Web Engineering and Technology, 2010, 6, 115.	0.2	37
135	Hypermedia presentation generation in Hera. Information Systems, 2010, 35, 23-55.	3.6	12
136	A fuzzy model of the MSCI EURO index based on content analysis of European Central Bank statements. , 2010, , .		2
137	Spatial Knowledge Representation on the Semantic Web. , 2010, , .		16
138	Prediction of the MSCI EURO index based on fuzzy grammar fragments extracted from European Central Bank statements. , 2010, , .		17
139	A semantic web-based approach for personalizing news. , 2010, , .		25
140	A review of approaches for representing RCC8 in OWL. , 2010, , .		2
141	Ontology-based news recommendation. , 2010, , .		91
142	Searching and Browsing Tag Spaces Using the Semantic Tag Clustering Search Framework. , 2010, , .		10
143	RDF-GL: A SPARQL-Based Graphical Query Language for RDF. Advanced Information and Knowledge Processing, 2010, , 87-116.	0.3	32
144	tOWL: Integrating Time in OWL. , 2010, , 225-246.		14

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145	Automatic Web Page Annotation with Google Rich Snippets. Lecture Notes in Computer Science, 2010, , 957-974.	1.3	3
146	A Semantic Web-Based Approach for Building Personalized News Services. International Journal of E-Business Research, 2009, 5, 35-53.	1.0	57
147	RCQ-GA: RDF Chain Query Optimization Using Genetic Algorithms. Lecture Notes in Computer Science, 2009, , 181-192.	1.3	17
148	Single Pattern Generating Heuristics for Pixel Advertisements. Lecture Notes in Computer Science, 2009, , 415-428.	1.3	4
149	Cluster-Based Visualization of Concept Associations. , 2008, , .		1
150	Knowledge Engineering in a Temporal Semantic Web Context. , 2008, , .		20
151	A workflow-driven design of web information systems. , 2006, , .		7
152	Adapting Graph Visualization Techniques for the Visualization of RDF Data. , 2006, , 154-171.		22
153	Hera presentation generator. , 2005, , .		2
154	Design and implementation of component-based adaptive Web presentations. , 2004, , .		15
155	RAL: An Algebra for Querying RDF. World Wide Web, 2004, 7, 83-109.	4.0	27
156	Adaptation and reuse in designing Web information systems. , 2004, , .		8
157	Engineering the Presentation Layer of Adaptable Web Information Systems. Lecture Notes in Computer Science, 2004, , 459-472.	1.3	15
158	Hera: Development of Semantic Web Information Systems. Lecture Notes in Computer Science, 2003, , 529-538.	1.3	33
159	Hypermedia Presentation Adaptation on the Semantic Web. Lecture Notes in Computer Science, 2002, , 133-142.	1.3	23
160	Visualisation of RDF(S)-based information. , 0, , .		5
161	RDF/XML-based automatic generation of adaptable hypermedia presentations. , 0, , .		2
162	Methodologies for Web information system design. , 0, , .		4

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163	Visualizing Concept Associations Using Concept Density Maps. , 0, , .		8
164	Financial News Analysis Using a Semantic Web Approach. , 0, , 311-328.		3
165	Personalizing News Services Using Semantic Web Technologies. , 0, , 261-289.		9
166	A Semantic Approach for News Recommendation. Advances in Business Information Systems and Analytics Book Series, 0, , 102-121.	0.4	6