

Flavius Frasincar

List of Publications by Year in descending order

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Version: 2024-02-01

166
papers

3,174
citations

257101

24
h-index

243296

44
g-index

184
all docs

184
docs citations

184
times ranked

1996
citing authors

#	ARTICLE	IF	CITATIONS
1	Survey on Aspect-Level Sentiment Analysis. IEEE Transactions on Knowledge and Data Engineering, 2016, 28, 813-830.	4.0	518
2	Exploiting emoticons in sentiment analysis. , 2013, , .		133
3	Supervised and Unsupervised Aspect Category Detection for Sentiment Analysis with Co-occurrence Data. IEEE Transactions on Cybernetics, 2018, 48, 1263-1275.	6.2	97
4	Ontology-based news recommendation. , 2010, , .		91
5	A Survey of event extraction methods from text for decision support systems. Decision Support Systems, 2016, 85, 12-22.	3.5	89
6	Polarity analysis of texts using discourse structure. , 2011, , .		73
7	Multi-lingual support for lexicon-based sentiment analysis guided by semantics. Decision Support Systems, 2014, 62, 43-53.	3.5	70
8	An Automated Framework for Incorporating News into Stock Trading Strategies. IEEE Transactions on Knowledge and Data Engineering, 2014, 26, 823-835.	4.0	66
9	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.	5.4	65
10	Faceted product search powered by the Semantic Web. Decision Support Systems, 2012, 53, 425-437.	3.5	62
11	Semantic Web service discovery using natural language processing techniques. Expert Systems With Applications, 2013, 40, 4660-4671.	4.4	62
12	Domain taxonomy learning from text: The subsumption method versus hierarchical clustering. Data and Knowledge Engineering, 2013, 83, 54-69.	2.1	60
13	A Semantic Web-Based Approach for Building Personalized News Services. International Journal of E-Business Research, 2009, 5, 35-53.	0.7	57
14	News personalization using the CF-IDF semantic recommender. , 2011, , .		52
15	A semantic approach for extracting domain taxonomies from text. Decision Support Systems, 2014, 62, 78-93.	3.5	50
16	Semantics-based news recommendation. , 2012, , .		47
17	Semantics-based information extraction for detecting economic events. Multimedia Tools and Applications, 2013, 64, 27-52.	2.6	47
18	Using rhetorical structure in sentiment analysis. Communications of the ACM, 2015, 58, 69-77.	3.3	46

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19	Determining negation scope and strength in sentiment analysis. , 2011, , .		43
20	tOWL: A Temporal Web Ontology Language. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 268-281.	5.5	42
21	A Survey on Aspect-Based Sentiment Classification. ACM Computing Surveys, 2023, 55, 1-37.	16.1	42
22	Intent Classification for Dialogue Utterances. IEEE Intelligent Systems, 2020, 35, 82-88.	4.0	40
23	Semi-automatic financial events discovery based on lexico-semantic patterns. International Journal of Web Engineering and Technology, 2010, 6, 115.	0.1	37
24	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.	1.0	35
25	Hera: Development of Semantic Web Information Systems. Lecture Notes in Computer Science, 2003, , 529-538.	1.0	33
26	A lexico-semantic pattern language for learning ontology instances from text. Web Semantics, 2012, 15, 37-50.	2.2	32
27	RDF-GL: A SPARQL-Based Graphical Query Language for RDF. Advanced Information and Knowledge Processing, 2010, , 87-116.	0.2	32
28	Facet selection algorithms for web product search. , 2013, , .		29
29	Finding Implicit Features in Consumer Reviews for Sentiment Analysis. Lecture Notes in Computer Science, 2014, , 130-144.	1.0	29
30	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.	3.5	28
31	Dynamic Facet Ordering for Faceted Product Search Engines. IEEE Transactions on Knowledge and Data Engineering, 2017, 29, 1004-1016.	4.0	28
32	RAL: An Algebra for Querying RDF. World Wide Web, 2004, 7, 83-109.	2.7	27
33	A semantic web-based approach for personalizing news. , 2010, , .		25
34	Hypermedia Presentation Adaptation on the Semantic Web. Lecture Notes in Computer Science, 2002, , 133-142.	1.0	23
35	Semantic news recommendation using wordnet and bing similarities. , 2013, , .		22
36	Adapting Graph Visualization Techniques for the Visualization of RDF Data. , 2006, , 154-171.		22

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37	SOBA: Semi-automated Ontology Builder for Aspect-based sentiment analysis. <i>Web Semantics</i> , 2020, 60, 100544.	2.2	21
38	Knowledge Engineering in a Temporal Semantic Web Context. , 2008, , .		20
39	Sentiment Lexicon Creation from Lexical Resources. <i>Lecture Notes in Business Information Processing</i> , 2011, , 185-196.	0.8	20
40	Review-aggregated aspect-based sentiment analysis with ontology features. <i>Progress in Artificial Intelligence</i> , 2018, 7, 295-306.	1.5	20
41	Using Hierarchical Edge Bundles to visualize complex ontologies in GLOW. , 2012, , .		19
42	Automated product taxonomy mapping in an e-commerce environment. <i>Expert Systems With Applications</i> , 2015, 42, 1298-1313.	4.4	19
43	Ontology-Enhanced Aspect-Based Sentiment Analysis. <i>Lecture Notes in Computer Science</i> , 2017, , 302-320.	1.0	18
44	Prediction of the MSCI EURO index based on fuzzy grammar fragments extracted from European Central Bank statements. , 2010, , .		17
45	Ant colony optimization for RDF chain queries for decision support. <i>Expert Systems With Applications</i> , 2013, 40, 1555-1563.	4.4	17
46	A competing risks model based on latent Dirichlet Allocation for predicting churn reasons. <i>Decision Support Systems</i> , 2021, 146, 113541.	3.5	17
47	RCQ-GA: RDF Chain Query Optimization Using Genetic Algorithms. <i>Lecture Notes in Computer Science</i> , 2009, , 181-192.	1.0	17
48	Spatial Knowledge Representation on the Semantic Web. , 2010, , .		16
49	Design and implementation of component-based adaptive Web presentations. , 2004, , .		15
50	Multi-component similarity method for web product duplicate detection. , 2015, , .		15
51	Ontology-Driven Sentiment Analysis of Product and Service Aspects. <i>Lecture Notes in Computer Science</i> , 2018, , 608-623.	1.0	15
52	A Hybrid Approach for Aspect-Based Sentiment Analysis Using Deep Contextual Word Embeddings and Hierarchical Attention. <i>Lecture Notes in Computer Science</i> , 2020, , 365-380.	1.0	15
53	Engineering the Presentation Layer of Adaptable Web Information Systems. <i>Lecture Notes in Computer Science</i> , 2004, , 459-472.	1.0	15
54	tOWL: Integrating Time in OWL. , 2010, , 225-246.		14

#	ARTICLE	IF	CITATIONS
55	COMMIT-P1WP3: A Co-occurrence Based Approach to Aspect-Level Sentiment Analysis. , 2014, , .		14
56	A semantic clustering-based approach for searching and browsing tag spaces. , 2011, , .		13
57	Bing-SF-IDF+. , 2015, , .		13
58	Polarity classification using structure-based vector representations of text. Decision Support Systems, 2015, 74, 46-56.	3.5	13
59	Hypermedia presentation generation in Hera. Information Systems, 2010, 35, 23-55.	2.4	12
60	Maximizing revenue with allocation of multiple advertisements on a Web banner. Computers and Operations Research, 2011, 38, 1412-1424.	2.4	12
61	TaxoLearn: A Semantic Approach to Domain Taxonomy Learning. , 2012, , .		12
62	A Hybrid Model Words-Driven Approach for Web Product Duplicate Detection. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2013, , 149-161.	0.2	12
63	Semantics-based news recommendation with SF-IDF+. , 2013, , .		12
64	Aspect-Based Sentiment Analysis on the Web Using Rhetorical Structure Theory. Lecture Notes in Computer Science, 2016, , 317-334.	1.0	12
65	Detection of Multiple Implicit Features per Sentence in Consumer Review Data. Communications in Computer and Information Science, 2016, , 289-303.	0.4	11
66	Searching and Browsing Tag Spaces Using the Semantic Tag Clustering Search Framework. , 2010, , .		10
67	Review-level aspect-based sentiment analysis using an ontology. , 2018, , .		10
68	ALDONA. , 2019, , .		10
69	Heracles: A framework for developing and evaluating text mining algorithms. Expert Systems With Applications, 2019, 127, 68-84.	4.4	10
70	A news event-driven approach for the historical value at risk method. Expert Systems With Applications, 2015, 42, 4667-4675.	4.4	9
71	Data augmentation in a hybrid approach for aspect-based sentiment analysis. , 2021, , .		9
72	The Benefit of Concept-Based Features for Sentiment Analysis. Communications in Computer and Information Science, 2015, , 223-233.	0.4	9

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73	Personalizing News Services Using Semantic Web Technologies. , 0, , 261-289.		9
74	Adaptation and reuse in designing Web information systems. , 2004, , .		8
75	Visualizing Concept Associations Using Concept Density Maps. , 0, , .		8
76	A Comparison Study for Novelty Control Mechanisms Applied to Web News Stories. , 2012, , .		8
77	A semantic-based approach for searching and browsing tag spaces. Decision Support Systems, 2012, 54, 644-654.	3.5	8
78	A general framework for time-aware decision support systems. Expert Systems With Applications, 2013, 40, 399-407.	4.4	8
79	Lexicon-based sentiment analysis by mapping conveyed sentiment to intended sentiment. International Journal of Web Engineering and Technology, 2014, 9, 125.	0.1	8
80	News Recommendation with CF-IDF+. Lecture Notes in Computer Science, 2018, , 170-184.	1.0	8
81	Automatically Building Financial Sentiment Lexicons While Accounting for Negation. Cognitive Computation, 2022, 14, 442-460.	3.6	8
82	A workflow-driven design of web information systems. , 2006, , .		7
83	Bing-CF-IDF+: A Semantics-Driven News Recommender System. Lecture Notes in Computer Science, 2019, , 32-47.	1.0	7
84	Ontology-Driven News Classification with Aethalides. Journal of Web Engineering, 2019, 18, 627-654.	0.7	7
85	Determining the most representative image on a Web page. Information Sciences, 2020, 512, 1234-1248.	4.0	7
86	The impact of word sense disambiguation on stock price prediction. Expert Systems With Applications, 2021, 184, 115568.	4.4	7
87	Duplicate detection in web shops using LSH to reduce the number of computations. , 2016, , .		7
88	A linked open data schema-driven approach for Top-N recommendations. , 2017, , .		7
89	Sentiment Analysis with a Multilingual Pipeline. Lecture Notes in Computer Science, 2011, , 129-142.	1.0	7
90	Temporal optimisations and temporal cardinality in the tOWL language. International Journal of Web Engineering and Technology, 2012, 7, 45.	0.1	6

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91	A query language and ranking algorithm for news items in the Hermes news processing framework. Science of Computer Programming, 2014, 94, 32-52.	1.5	6
92	Semantics-Driven Implicit Aspect Detection in Consumer Reviews. , 2015, , .		6
93	Aspect-Based Sentiment Analysis Using Lexico-Semantic Patterns. Lecture Notes in Computer Science, 2016, , 35-42.	1.0	6
94	A Semantic Approach for News Recommendation. Advances in Business Information Systems and Analytics Book Series, 0, , 102-121.	0.3	6
95	Visualisation of RDF(S)-based information. , 0, , .		5
96	SASOBUS: Semi-automatic Sentiment Domain Ontology Building Using Synsets. Lecture Notes in Computer Science, 2020, , 105-120.	1.0	5
97	Improving the Exploration of Tag Spaces Using Automated Tag Clustering. Lecture Notes in Computer Science, 2011, , 274-288.	1.0	5
98	SCHEMA - An Algorithm for Automated Product Taxonomy Mapping in E-commerce. Lecture Notes in Computer Science, 2012, , 300-314.	1.0	5
99	Towards Cross-Language Sentiment Analysis through Universal Star Ratings. Advances in Intelligent Systems and Computing, 2013, , 69-79.	0.5	5
100	An Automatic Approach for Mapping Product Taxonomies in E-Commerce Systems. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2012, , 334-349.	0.2	5
101	An Empirical Study for Determining Relevant Features for Sentiment Summarization of Online Conversational Documents. Lecture Notes in Computer Science, 2012, , 567-579.	1.0	5
102	Methodologies for Web information system design. , 0, , .		4
103	A framework for automatic annotation of web pages using the Google rich snippets vocabulary. , 2011, , .		4
104	Explaining a neural attention model for aspect-based sentiment classification using diagnostic classification. , 2021, , .		4
105	Single Pattern Generating Heuristics for Pixel Advertisements. Lecture Notes in Computer Science, 2009, , 415-428.	1.0	4
106	Event-Driven Ontology Updating. Lecture Notes in Computer Science, 2012, , 44-57.	1.0	4
107	A reverse engineering approach for automatic annotation of Web pages. Multimedia Tools and Applications, 2013, 64, 119-140.	2.6	3
108	Model words-driven approaches for duplicate detection on the web. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
109	Bing-SF-IDF+ , 2014 , ,		3
110	Implicit feature detection for sentiment analysis. , 2014 , ,		3
111	An Ontology-Enhanced Hybrid Approach to Aspect-Based Sentiment Analysis. Lecture Notes in Computer Science, 2017 , , 338-345.	1.0	3
112	An LSH-Based Model-Words-Driven Product Duplicate Detection Method. Lecture Notes in Computer Science, 2018 , , 409-423.	1.0	3
113	Augmenting LOD-Based Recommender Systems Using Graph Centrality Measures. Lecture Notes in Computer Science, 2019 , , 19-31.	1.0	3
114	Automatic Web Page Annotation with Google Rich Snippets. Lecture Notes in Computer Science, 2010 , , 957-974.	1.0	3
115	Financial News Analysis Using a Semantic Web Approach. , 0 , , 311-328.		3
116	Bing-CSF-IDF+: A Semantics-Driven Recommender System for News. Communications in Computer and Information Science, 2020 , , 143-153.	0.4	3
117	RDF/XML-based automatic generation of adaptable hypermedia presentations. , 0 , ,		2
118	Hera presentation generator. , 2005 , ,		2
119	A fuzzy model of the MSCI EURO index based on content analysis of European Central Bank statements. , 2010 , ,		2
120	A review of approaches for representing RCC8 in OWL , 2010 , ,		2
121	A fuzzy model of a European index based on automatically extracted content information. , 2011 , ,		2
122	A Linguistic Approach for Semantic Web Service Discovery. Advances in Intelligent Systems and Computing, 2012 , , 131-142.	0.5	2
123	Event-based historical Value-at-Risk. , 2012 , ,		2
124	An Ontology-Based Approach for Product Entity Resolution on the Web. Lecture Notes in Computer Science, 2014 , , 534-543.	1.0	2
125	Implicit Feature Extraction for Sentiment Analysis in Consumer Reviews. Lecture Notes in Computer Science, 2014 , , 228-231.	1.0	2
126	A framework for Web news items analysis in relation to share prices. , 2014 , ,		2

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127	RDF chain query optimization in a distributed environment. , 2015, , .		2
128	Addressing the cold user problem for model-based recommender systems. , 2017, , .		2
129	Scalable entity resolution for Web product descriptions. Information Fusion, 2020, 53, 103-111.	11.7	2
130	Active learning strategies for solving the cold user problem in model-based recommender systems. Web Intelligence, 2021, 18, 269-283.	0.1	2
131	WEB-SOBA: Word Embeddings-Based Semi-automatic Ontology Building for Aspect-Based Sentiment Classification. Lecture Notes in Computer Science, 2021, , 340-355.	1.0	2
132	Pattern Learning for Detecting Defect Reports and Improvement Requests in App Reviews. Lecture Notes in Computer Science, 2020, , 126-134.	1.0	2
133	A Genetic Programming Approach for Learning Semantic Information Extraction Rules from News. Lecture Notes in Computer Science, 2014, , 418-432.	1.0	2
134	Structuring Political Documents for Importance Ranking. Lecture Notes in Computer Science, 2012, , 345-350.	1.0	2
135	Using word embeddings for ontology-driven aspect-based sentiment analysis. , 2020, , .		2
136	Scaling Pair-Wise Similarity-Based Algorithms in Tagging Spaces. Lecture Notes in Computer Science, 2012, , 46-60.	1.0	2
137	A Semantic Web Approach for Visualization-Based News Analytics. Lecture Notes in Business Information Processing, 2014, , 195-204.	0.8	2
138	A Data Type-Driven Property Alignment Framework for Product Duplicate Detection on the Web. Lecture Notes in Computer Science, 2016, , 380-395.	1.0	2
139	Addressing Scalability Issues in Semantics-Driven Recommender Systems. , 2021, , .		2
140	Fine-Tuning for Cross-Domain Aspect-Based Sentiment Classification. , 2021, , .		2
141	Modeling Second Language Acquisition with pre-trained neural language models. Expert Systems With Applications, 2022, 207, 117871.	4.4	2
142	Explaining a Deep Neural Model with Hierarchical Attention for Aspect-Based Sentiment Classification Using Diagnostic Classifiers. Lecture Notes in Computer Science, 2022, , 268-282.	1.0	2
143	Cluster-Based Visualization of Concept Associations. , 2008, , .		1
144	RCQ-ACS: RDF Chain Query Optimization Using an Ant Colony System. , 2012, , .		1

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145	Querying and ranking news items in the hermes framework. , 2012, , .		1
146	A Lexico-Semantic Pattern Language for Learning Ontology Instances from Text. SSRN Electronic Journal, 2012, , .	0.4	1
147	Automatic review identification on the web using pattern recognition. Software - Practice and Experience, 2013, 43, 1415-1436.	2.5	1
148	A case-based analysis of the effect of offline media on online conversion actions. , 2013, , .		1
149	Ontology population from web product information. , 2014, , .		1
150	Analysing the effect of offline media on online conversion actions. International Journal of Web Engineering and Technology, 2017, 12, 165.	0.1	1
151	Exploring lexico-semantic patterns for aspect-based sentiment analysis. , 2019, , .		1
152	Word Sense Disambiguation for Automatic Taxonomy Construction from Text-Based Web Corpora. Lecture Notes in Computer Science, 2011, , 241-248.	1.0	1
153	A Linguistic Graph-Based Approach for Web News Sentence Searching. Lecture Notes in Computer Science, 2013, , 57-64.	1.0	1
154	An elastic net regularized matrix factorization technique for recommender systems. , 2020, , .		1
155	Enhancing Semantics-Driven Recommender Systems with Visual Features. Lecture Notes in Computer Science, 2022, , 443-459.	1.0	1
156	Dynamic Facet Ordering for Faceted Product Search Engines (Extended Abstract). , 2018, , .		0
157	APFA: Automated product feature alignment for duplicate detection. Expert Systems With Applications, 2021, 174, 114759.	4.4	0
158	Preface to WISM 2011. Lecture Notes in Computer Science, 2011, , 1-1.	1.0	0
159	An Automated Approach to Product Taxonomy Mapping in E-Commerce. Advances in Intelligent Systems and Computing, 2012, , 111-120.	0.5	0
160	Ninth International Workshop on Web Information Systems Modeling (WISM 2012). Lecture Notes in Computer Science, 2012, , 325-326.	1.0	0
161	A Dependency Graph Isomorphism for News Sentence Searching. Lecture Notes in Computer Science, 2013, , 384-387.	1.0	0
162	Ontology-Based Management of Conflicting Products in Pixel Advertising. Lecture Notes in Computer Science, 2014, , 433-447.	1.0	0

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163	Temporally Enhanced Ontologies in OWL: A Shared Conceptual Model and Reference Implementation. Lecture Notes in Computer Science, 2015, , 31-45.	1.0	0
164	Web News Sentence Searching Using Linguistic Graph Similarity. Communications in Computer and Information Science, 2016, , 319-333.	0.4	0
165	Predicting individual behaviour: an empirical approach in online marketing. International Journal of Web Engineering and Technology, 2020, 15, 283.	0.1	0
166	Adversarial Training for a Hybrid Approach to Aspect-Based Sentiment Analysis. Lecture Notes in Computer Science, 2021, , 291-305.	1.0	0