

Erik Cambria

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3846582/publications.pdf>

Version: 2024-02-01

307
papers

26,480
citations

9786

73
h-index

10158

140
g-index

346
all docs

346
docs citations

346
times ranked

12838
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Trends in Deep Learning Based Natural Language Processing [Review Article]. IEEE Computational Intelligence Magazine, 2018, 13, 55-75.	3.2	2,089
2	Affective Computing and Sentiment Analysis. IEEE Intelligent Systems, 2016, 31, 102-107.	4.0	967
3	A review of affective computing: From unimodal analysis to multimodal fusion. Information Fusion, 2017, 37, 98-125.	19.1	890
4	New Avenues in Opinion Mining and Sentiment Analysis. IEEE Intelligent Systems, 2013, 28, 15-21.	4.0	836
5	A Survey on Knowledge Graphs: Representation, Acquisition, and Applications. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 494-514.	11.3	769
6	Jumping NLP Curves: A Review of Natural Language Processing Research [Review Article]. IEEE Computational Intelligence Magazine, 2014, 9, 48-57.	3.2	688
7	Tensor Fusion Network for Multimodal Sentiment Analysis. , 2017, , .		679
8	Deep Learning-based Text Classification. ACM Computing Surveys, 2022, 54, 1-40.	23.0	652
9	Aspect extraction for opinion mining with a deep convolutional neural network. Knowledge-Based Systems, 2016, 108, 42-49.	7.1	646
10	Context-Dependent Sentiment Analysis in User-Generated Videos. , 2017, , .		434
11	ABCDM: An Attention-based Bidirectional CNN-RNN Deep Model for sentiment analysis. Future Generation Computer Systems, 2021, 115, 279-294.	7.5	423
12	Deep Learning-Based Document Modeling for Personality Detection from Text. IEEE Intelligent Systems, 2017, 32, 74-79.	4.0	393
13	Fusing audio, visual and textual clues for sentiment analysis from multimodal content. Neurocomputing, 2016, 174, 50-59.	5.9	372
14	Convolutional MKL Based Multimodal Emotion Recognition and Sentiment Analysis. , 2016, , .		354
15	Deep Convolutional Neural Network Textual Features and Multiple Kernel Learning for Utterance-level Multimodal Sentiment Analysis. , 2015, , .		339
16	DialogueRNN: An Attentive RNN for Emotion Detection in Conversations. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 6818-6825.	4.9	338
17	Extreme Learning Machines [Trends & Controversies]. IEEE Intelligent Systems, 2013, 28, 30-59.	4.0	329
18	MELD: A Multimodal Multi-Party Dataset for Emotion Recognition in Conversations. , 2019, , .		323

#	ARTICLE	IF	CITATIONS
19	Sentiment Analysis Is a Big Suitcase. IEEE Intelligent Systems, 2017, 32, 74-80.	4.0	302
20	Supervised Learning for Fake News Detection. IEEE Intelligent Systems, 2019, 34, 76-81.	4.0	298
21	Sentic patterns: Dependency-based rules for concept-level sentiment analysis. Knowledge-Based Systems, 2014, 69, 45-63.	7.1	273
22	Multimodal Language Analysis in the Wild: CMU-MOSEI Dataset and Interpretable Dynamic Fusion Graph. , 2018, , .		262
23	SenticNet 6: Ensemble Application of Symbolic and Subsymbolic AI for Sentiment Analysis. , 2020, , .		258
24	Natural language based financial forecasting: a survey. Artificial Intelligence Review, 2018, 50, 49-73.	15.7	238
25	Multimodal Sentiment Analysis using hierarchical fusion with context modeling. Knowledge-Based Systems, 2018, 161, 124-133.	7.1	237
26	Sentic LSTM: a Hybrid Network for Targeted Aspect-Based Sentiment Analysis. Cognitive Computation, 2018, 10, 639-650.	5.2	232
27	Conversational Memory Network for Emotion Recognition in Dyadic Dialogue Videos. , 2018, 2018, 2122-2132.		228
28	Aspect-based sentiment analysis via affective knowledge enhanced graph convolutional networks. Knowledge-Based Systems, 2022, 235, 107643.	7.1	222
29	Learning Community Embedding with Community Detection and Node Embedding on Graphs. , 2017, , .		221
30	ICON: Interactive Conversational Memory Network for Multimodal Emotion Detection. , 2018, , .		210
31	How Intense Are You? Predicting Intensities of Emotions and Sentiments using Stacked Ensemble [Application Notes]. IEEE Computational Intelligence Magazine, 2020, 15, 64-75.	3.2	187
32	Statistical Approaches to Concept-Level Sentiment Analysis. IEEE Intelligent Systems, 2013, 28, 6-9.	4.0	186
33	The Hourglass of Emotions. Lecture Notes in Computer Science, 2012, , 144-157.	1.3	184
34	Semi-supervised learning for big social data analysis. Neurocomputing, 2018, 275, 1662-1673.	5.9	181
35	A Rule-Based Approach to Aspect Extraction from Product Reviews. , 2014, , .		180
36	Multilingual Sentiment Analysis: State of the Art and Independent Comparison of Techniques. Cognitive Computation, 2016, 8, 757-771.	5.2	177

#	ARTICLE	IF	CITATIONS
37	Distinguishing between facts and opinions for sentiment analysis: Survey and challenges. Information Fusion, 2018, 44, 65-77.	19.1	176
38	Technical analysis and sentiment embeddings for market trend prediction. Expert Systems With Applications, 2019, 135, 60-70.	7.6	175
39	Towards an intelligent framework for multimodal affective data analysis. Neural Networks, 2015, 63, 104-116.	5.9	173
40	Ensemble application of convolutional neural networks and multiple kernel learning for multimodal sentiment analysis. Neurocomputing, 2017, 261, 217-230.	5.9	167
41	Sentiment and Sarcasm Classification With Multitask Learning. IEEE Intelligent Systems, 2019, 34, 38-43.	4.0	164
42	Recent trends in deep learning based personality detection. Artificial Intelligence Review, 2020, 53, 2313-2339.	15.7	160
43	Ensemble application of convolutional and recurrent neural networks for multi-label text categorization. , 2017, , .		148
44	Feature Ensemble Plus Sample Selection: Domain Adaptation for Sentiment Classification. IEEE Intelligent Systems, 2013, 28, 10-18.	4.0	144
45	The four dimensions of social network analysis: An overview of research methods, applications, and software tools. Information Fusion, 2020, 63, 88-120.	19.1	143
46	A Practical Guide to Sentiment Analysis. A Practical Guide To Sentiment Analysis, 2017, , .	0.3	141
47	Fuzzy commonsense reasoning for multimodal sentiment analysis. Pattern Recognition Letters, 2019, 125, 264-270.	4.2	141
48	A Review of Sentiment Analysis Research in Chinese Language. Cognitive Computation, 2017, 9, 423-435.	5.2	139
49	Multilingual sentiment analysis: from formal to informal and scarce resource languages. Artificial Intelligence Review, 2017, 48, 499-527.	15.7	138
50	Multimodal Sentiment Analysis: Addressing Key Issues and Setting Up the Baselines. IEEE Intelligent Systems, 2018, 33, 17-25.	4.0	134
51	Learning Word Representations for Sentiment Analysis. Cognitive Computation, 2017, 9, 843-851.	5.2	133
52	BiERU: Bidirectional emotional recurrent unit for conversational sentiment analysis. Neurocomputing, 2022, 467, 73-82.	5.9	133
53	EmoSenticSpace: A novel framework for affective common-sense reasoning. Knowledge-Based Systems, 2014, 69, 108-123.	7.1	132
54	A concept-level approach to the analysis of online review helpfulness. Computers in Human Behavior, 2016, 58, 75-81.	8.5	129

#	ARTICLE	IF	CITATIONS
55	Bayesian network based extreme learning machine for subjectivity detection. Journal of the Franklin Institute, 2018, 355, 1780-1797.	3.4	128
56	Word Polarity Disambiguation Using Bayesian Model and Opinion-Level Features. Cognitive Computation, 2015, 7, 369-380.	5.2	126
57	Learning multi-grained aspect target sequence for Chinese sentiment analysis. Knowledge-Based Systems, 2018, 148, 167-176.	7.1	124
58	Modelling customer satisfaction from online reviews using ensemble neural network and effect-based Kano model. International Journal of Production Research, 2019, 57, 7068-7088.	7.5	124
59	Affective Computing and Sentiment Analysis. A Practical Guide To Sentiment Analysis, 2017, , 1-10.	0.3	119
60	Sentic Computing for social media marketing. Multimedia Tools and Applications, 2012, 59, 557-577.	3.9	118
61	Sentiment Data Flow Analysis by Means of Dynamic Linguistic Patterns. IEEE Computational Intelligence Magazine, 2015, 10, 26-36.	3.2	118
62	OntoSenticNet: A Commonsense Ontology for Sentiment Analysis. IEEE Intelligent Systems, 2018, 33, 77-85.	4.0	114
63	The Hourglass Model Revisited. IEEE Intelligent Systems, 2020, 35, 96-102.	4.0	114
64	Polarity shift detection, elimination and ensemble: A three-stage model for document-level sentiment analysis. Information Processing and Management, 2016, 52, 36-45.	8.6	113
65	A Generative Model for category text generation. Information Sciences, 2018, 450, 301-315.	6.9	113
66	A tale of two epidemics: Contextual Word2Vec for classifying twitter streams during outbreaks. Information Processing and Management, 2019, 56, 247-257.	8.6	113
67	Multi-level Multiple Attentions for Contextual Multimodal Sentiment Analysis. , 2017, , .		112
68	A review of sentiment analysis research in Arabic language. Future Generation Computer Systems, 2020, 112, 408-430.	7.5	112
69	A survey on empathetic dialogue systems. Information Fusion, 2020, 64, 50-70.	19.1	112
70	Sentic Computing. , 2015, , .		109
71	Knowledge-Based Approaches to Concept-Level Sentiment Analysis. IEEE Intelligent Systems, 2013, 28, 12-14.	4.0	105
72	Sentic LDA: Improving on LDA with semantic similarity for aspect-based sentiment analysis. , 2016, , .		101

#	ARTICLE	IF	CITATIONS
73	Suicidal Ideation Detection: A Review of Machine Learning Methods and Applications. IEEE Transactions on Computational Social Systems, 2021, 8, 214-226.	4.4	100
74	User reviews: Sentiment analysis using lexicon integrated two-channel CNN+LSTM family models. Applied Soft Computing Journal, 2020, 94, 106435.	7.2	95
75	Sentic PROMs: Application of sentic computing to the development of a novel unified framework for measuring health-care quality. Expert Systems With Applications, 2012, 39, 10533-10543.	7.6	94
76	Sentic Web: A New Paradigm for Managing Social Media Affective Information. Cognitive Computation, 2011, 3, 480-489.	5.2	93
77	Cognitive-inspired domain adaptation of sentiment lexicons. Information Processing and Management, 2019, 56, 554-564.	8.6	92
78	Guest Editorial: Big Social Data Analysis. Knowledge-Based Systems, 2014, 69, 1-2.	7.1	91
79	Intelligent Asset Allocation via Market Sentiment Views. IEEE Computational Intelligence Magazine, 2018, 13, 25-34.	3.2	90
80	Towards Scalable and Reliable Capsule Networks for Challenging NLP Applications. , 2019, , .		90
81	An ELM-based model for affective analogical reasoning. Neurocomputing, 2015, 149, 443-455.	5.9	89
82	Consensus vote models for detecting and filtering neutrality in sentiment analysis. Information Fusion, 2018, 44, 126-135.	19.1	89
83	Statistical Learning Theory and ELM for Big Social Data Analysis. IEEE Computational Intelligence Magazine, 2016, 11, 45-55.	3.2	88
84	Learning word dependencies in text by means of a deep recurrent belief network. Knowledge-Based Systems, 2016, 108, 144-154.	7.1	86
85	Anaphora and coreference resolution: A review. Information Fusion, 2020, 59, 139-162.	19.1	86
86	Sentic Computing for patient centered applications. , 2010, , .		81
87	A review of emotion sensing: categorization models and algorithms. Multimedia Tools and Applications, 2020, 79, 35553-35582.	3.9	80
88	Real-Time Video Emotion Recognition Based on Reinforcement Learning and Domain Knowledge. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1034-1047.	8.3	80
89	Sentic Album: Content-, Concept-, and Context-Based Online Personal Photo Management System. Cognitive Computation, 2012, 4, 477-496.	5.2	77
90	Learning short-text semantic similarity with word embeddings and external knowledge sources. Knowledge-Based Systems, 2019, 182, 104842.	7.1	77

#	ARTICLE	IF	CITATIONS
91	SeNTU: Sentiment Analysis of Tweets by Combining a Rule-based Classifier with Supervised Learning. , 2015, , .		77
92	Sentiment Analysis and Topic Recognition in Video Transcriptions. IEEE Intelligent Systems, 2021, 36, 88-95.	4.0	75
93	Semantic Multidimensional Scaling for Open-Domain Sentiment Analysis. IEEE Intelligent Systems, 2014, 29, 44-51.	4.0	74
94	Common Sense Knowledge for Handwritten Chinese Text Recognition. Cognitive Computation, 2013, 5, 234-242.	5.2	73
95	IARM: Inter-Aspect Relation Modeling with Memory Networks in Aspect-Based Sentiment Analysis. , 2018, , .		73
96	Embedding Both Finite and Infinite Communities on Graphs [Application Notes]. IEEE Computational Intelligence Magazine, 2019, 14, 39-50.	3.2	71
97	Sentic blending: Scalable multimodal fusion for the continuous interpretation of semantics and sentics. , 2013, , .		69
98	Learning binary codes with neural collaborative filtering for efficient recommendation systems. Knowledge-Based Systems, 2019, 172, 64-75.	7.1	69
99	Circular-ELM for the reduced-reference assessment of perceived image quality. Neurocomputing, 2013, 102, 78-89.	5.9	66
100	A graph-based approach to commonsense concept extraction and semantic similarity detection. , 2013, , .		66
101	Multi-Level Fine-Scaled Sentiment Sensing with Ambivalence Handling. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2020, 28, 683-697.	1.9	66
102	Merging SenticNet and WordNet-Affect emotion lists for sentiment analysis. , 2012, , .		65
103	Acoustic template-matching for automatic emergency state detection: An ELM based algorithm. Neurocomputing, 2015, 149, 426-434.	5.9	62
104	Multitask Representation Learning for Multimodal Estimation of Depression Level. IEEE Intelligent Systems, 2019, 34, 45-52.	4.0	61
105	Public Moodâ€œDriven Asset Allocation: the Importance of Financial Sentiment in Portfolio Management. Cognitive Computation, 2018, 10, 1167-1176.	5.2	60
106	The CLSA Model: A Novel Framework for Concept-Level Sentiment Analysis. Lecture Notes in Computer Science, 2015, , 3-22.	1.3	59
107	Computational Intelligence for Affective Computing and Sentiment Analysis [Guest Editorial]. IEEE Computational Intelligence Magazine, 2019, 14, 16-17.	3.2	59
108	Common Sense Computing: From the Society of Mind to Digital Intuition and beyond. Lecture Notes in Computer Science, 2009, , 252-259.	1.3	58

#	ARTICLE	IF	CITATIONS
109	Enriching SenticNet Polarity Scores through Semi-Supervised Fuzzy Clustering. , 2012, , .		56
110	Intention awareness: improving upon situation awareness in human-centric environments. Human-centric Computing and Information Sciences, 2013, 3, .	6.1	56
111	Big Social Data Analysis. , 2013, , 401-414.		55
112	Application of multi-dimensional scaling and artificial neural networks for biologically inspired opinion mining. Biologically Inspired Cognitive Architectures, 2013, 4, 41-53.	0.9	53
113	Inconsistencies on TripAdvisor reviews: A unified index between users and Sentiment Analysis Methods. Neurocomputing, 2019, 353, 3-16.	5.9	53
114	Sentiment-aware volatility forecasting. Knowledge-Based Systems, 2019, 176, 68-76.	7.1	52
115	Sentic Computing: Exploitation of Common Sense for the Development of Emotion-Sensitive Systems. Lecture Notes in Computer Science, 2010, , 148-156.	1.3	52
116	Modeling Inter-Aspect Dependencies for Aspect-Based Sentiment Analysis. , 2018, , .		52
117	Segment-level joint topic-sentiment model for online review analysis. IEEE Intelligent Systems, 2019, 34, 43-50.	4.0	50
118	A novel context-aware multimodal framework for persian sentiment analysis. Neurocomputing, 2021, 457, 377-388.	5.9	50
119	Modelling Public Sentiment in Twitter: Using Linguistic Patterns to Enhance Supervised Learning. Lecture Notes in Computer Science, 2015, , 49-65.	1.3	50
120	New Trends of Learning in Computational Intelligence [Guest Editorial]. IEEE Computational Intelligence Magazine, 2015, 10, 16-17.	3.2	49
121	Disentangled Variational Auto-Encoder for semi-supervised learning. Information Sciences, 2019, 482, 73-85.	6.9	46
122	Bottom-Up and Top-Down: Predicting Personality with Psycholinguistic and Language Model Features. , 2020, , .		45
123	An Introduction to Concept-Level Sentiment Analysis. Lecture Notes in Computer Science, 2013, , 478-483.	1.3	44
124	BabelSenticNet: A Commonsense Reasoning Framework for Multilingual Sentiment Analysis. , 2018, , .		44
125	Sentic Medoids: Organizing Affective Common Sense Knowledge in a Multi-Dimensional Vector Space. Lecture Notes in Computer Science, 2011, , 601-610.	1.3	43
126	Phonetic-Based Microtext Normalization for Twitter Sentiment Analysis. , 2017, , .		42

#	ARTICLE	IF	CITATIONS
127	A survey on personality-aware recommendation systems. <i>Artificial Intelligence Review</i> , 2022, 55, 2409-2454.	15.7	42
128	Role of Muscle Synergies in Real-Time Classification of Upper Limb Motions using Extreme Learning Machines. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2016, 13, 76.	4.6	40
129	Intent Classification for Dialogue Utterances. <i>IEEE Intelligent Systems</i> , 2020, 35, 82-88.	4.0	40
130	MetaPro: A computational metaphor processing model for text pre-processing. <i>Information Fusion</i> , 2022, 86-87, 30-43.	19.1	40
131	Suicidal ideation and mental disorder detection with attentive relation networks. <i>Neural Computing and Applications</i> , 2022, 34, 10309-10319.	5.6	38
132	New avenues in knowledge bases for natural language processing. <i>Knowledge-Based Systems</i> , 2016, 108, 1-4.	7.1	36
133	SenticSpace: Visualizing Opinions and Sentiments in a Multi-dimensional Vector Space. <i>Lecture Notes in Computer Science</i> , 2010, , 385-393.	1.3	36
134	Time Expression Analysis and Recognition Using Syntactic Token Types and General Heuristic Rules. , 2017, , .		36
135	Combining Sentiment Lexicons and Content-Based Features for Depression Detection. <i>IEEE Intelligent Systems</i> , 2021, 36, 99-105.	4.0	36
136	Unsupervised Commonsense Knowledge Enrichment for Domain-Specific Sentiment Analysis. <i>Cognitive Computation</i> , 2016, 8, 467-477.	5.2	35
137	Ensemble application of ELM and GPU for real-time multimodal sentiment analysis. <i>Memetic Computing</i> , 2018, 10, 3-13.	4.0	35
138	Sounds of Silence Breakers: Exploring Sexual Violence on Twitter. , 2018, , .		34
139	A survey of graph processing on graphics processing units. <i>Journal of Supercomputing</i> , 2018, 74, 2086-2115.	3.6	33
140	Predicting political sentiments of voters from Twitter in multi-party contexts. <i>Applied Soft Computing Journal</i> , 2020, 97, 106743.	7.2	33
141	Context- and Sentiment-Aware Networks for Emotion Recognition in Conversation. <i>IEEE Transactions on Artificial Intelligence</i> , 2022, 3, 699-708.	4.7	33
142	Computational Intelligence for Big Social Data Analysis [Guest Editorial]. <i>IEEE Computational Intelligence Magazine</i> , 2016, 11, 8-9.	3.2	32
143	<scp>MuSe-Toolbox:</scp> The Multimodal Sentiment Analysis Continuous Annotation Fusion and Discrete Class Transformation Toolbox. , 2021, , .		32
144	Phonetic-enriched text representation for Chinese sentiment analysis with reinforcement learning. <i>Information Fusion</i> , 2021, 70, 88-99.	19.1	31

#	ARTICLE	IF	CITATIONS
145	Comment toxicity detection via a multichannel convolutional bidirectional gated recurrent unit. Neurocomputing, 2021, 441, 272-278.	5.9	31
146	MuSe 2020 Challenge and Workshop. , 2020, , .		31
147	Benchmarking Multimodal Sentiment Analysis. Lecture Notes in Computer Science, 2018, , 166-179.	1.3	30
148	Extracting Time Expressions and Named Entities with Constituent-Based Tagging Schemes. Cognitive Computation, 2020, 12, 844-862.	5.2	29
149	Bridging Cognitive Models and Recommender Systems. Cognitive Computation, 2020, 12, 426-427.	5.2	29
150	Dialogue systems with audio context. Neurocomputing, 2020, 388, 102-109.	5.9	29
151	Adaptive Modality Distillation for Separable Multimodal Sentiment Analysis. IEEE Intelligent Systems, 2021, 36, 82-89.	4.0	28
152	A Convolutional Stacked Bidirectional LSTM with a Multiplicative Attention Mechanism for Aspect Category and Sentiment Detection. Cognitive Computation, 2021, 13, 1423-1432.	5.2	28
153	A multilingual semi-supervised approach in deriving Singlish sentic patterns for polarity detection. Knowledge-Based Systems, 2016, 105, 236-247.	7.1	27
154	A Survey on Deep Learning in Image Polarity Detection: Balancing Generalization Performances and Computational Costs. Electronics (Switzerland), 2019, 8, 783.	3.1	25
155	Sequential fusion of facial appearance and dynamics for depression recognition. Pattern Recognition Letters, 2021, 150, 115-121.	4.2	25
156	OntoSenticNet 2: Enhancing Reasoning Within Sentiment Analysis. IEEE Intelligent Systems, 2022, 37, 103-110.	4.0	25
157	Cross-Lingual Sentiment Quantification. IEEE Intelligent Systems, 2020, 35, 106-114.	4.0	24
158	Enhancing Business Intelligence by Means of Suggestive Reviews. Scientific World Journal, The, 2014, 2014, 1-11.	2.1	23
159	Sentic Computing. Cognitive Computation, 2015, 7, 183-185.	5.2	23
160	PerSent: A Freely Available Persian Sentiment Lexicon. Lecture Notes in Computer Science, 2016, , 310-320.	1.3	23
161	Multitask learning for emotion and personality traits detection. Neurocomputing, 2022, 493, 340-350.	5.9	23
162	Enhancing Sentiment Classification Performance Using Bi-Tagged Phrases. , 2013, , .		22

#	ARTICLE	IF	CITATIONS
163	A Review of Shorthand Systems: From Brachygraphy to Microtext and Beyond. Cognitive Computation, 2020, 12, 778-792.	5.2	22
164	Arabic question answering system: a survey. Artificial Intelligence Review, 2022, 55, 207-253.	15.7	22
165	Time Expression Recognition Using a Constituent-based Tagging Scheme. , 2018, , .		21
166	What do people think about this monument? Understanding negative reviews via deep learning, clustering and descriptive rules. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 39-52.	4.9	21
167	New research methods & algorithms in social network analysis. Future Generation Computer Systems, 2021, 114, 290-293.	7.5	21
168	Stock trading rule discovery with double deep Q-network. Applied Soft Computing Journal, 2021, 107, 107320.	7.2	21
169	Ten Years of Sentic Computing. Cognitive Computation, 2022, 14, 5-23.	5.2	20
170	No, That Never Happened!! Investigating Rumors on Twitter. IEEE Intelligent Systems, 2018, 33, 8-15.	4.0	19
171	Relation Extraction of Medical Concepts Using Categorization and Sentiment Analysis. Cognitive Computation, 2018, 10, 670-685.	5.2	19
172	Type Like a Man! Inferring Gender from Keystroke Dynamics in Live-Chats. IEEE Intelligent Systems, 2019, 34, 53-59.	4.0	19
173	End-to-End latent-variable task-oriented dialogue system with exact log-likelihood optimization. World Wide Web, 2020, 23, 1989-2002.	4.0	19
174	Isanette: A Common and Common Sense Knowledge Base for Opinion Mining. , 2011, , .		18
175	Lyapunov filtering of objectivity for Spanish Sentiment Model. , 2016, , .		18
176	Multimodal Sentiment Analysis. A Practical Guide To Sentiment Analysis, 2018, , .	0.3	18
177	Ensemble Hybrid Learning Methods for Automated Depression Detection. IEEE Transactions on Computational Social Systems, 2023, 10, 211-219.	4.4	18
178	A survey on deep reinforcement learning for audio-based applications. Artificial Intelligence Review, 2023, 56, 2193-2240.	15.7	18
179	Tweeting in Support of LGBT?. , 2019, , .		17
180	ESWCâ€™14 Challenge on Concept-Level Sentiment Analysis. Communications in Computer and Information Science, 2014, , 3-20.	0.5	17

#	ARTICLE	IF	CITATIONS
181	Data intensive review mining for sentiment classification across heterogeneous domains. , 2013, , .		16
182	Semi-supervised Learning for Affective Common-Sense Reasoning. Cognitive Computation, 2017, 9, 18-42.	5.2	16
183	Commonsense Knowledge Enhanced Memory Network for Stance Classification. IEEE Intelligent Systems, 2020, 35, 102-109.	4.0	16
184	SenticNet. , 2015, , 23-71.		15
185	Seq2Seq Deep Learning Models for Microtext Normalization. , 2019, , .		14
186	Popularity prediction on vacation rental websites. Neurocomputing, 2020, 412, 372-380.	5.9	14
187	Taylor's theorem: A new perspective for neural tensor networks. Knowledge-Based Systems, 2021, 228, 107258.	7.1	14
188	PhonSenticNet: A Cognitive Approach to Microtext Normalization for Concept-Level Sentiment Analysis. Lecture Notes in Computer Science, 2019, , 177-188.	1.3	14
189	Commonsense-based topic modeling. , 2013, , .		13
190	Affective neural networks and cognitive learning systems for big data analysis. Neural Networks, 2014, 58, 1-3.	5.9	13
191	Guest Editorial: Industrial Internet of Things: Where Are We and What Is Next?. IEEE Transactions on Industrial Informatics, 2021, 17, 7700-7703.	11.3	13
192	Weakly supervised semantic segmentation with superpixel embedding. , 2016, , .		12
193	Towards GPU-Based Common-Sense Reasoning: Using Fast Subgraph Matching. Cognitive Computation, 2016, 8, 1074-1086.	5.2	12
194	Emotion and sentiment in social and expressive media: Introduction to the special issue. Information Processing and Management, 2016, 52, 1-4.	8.6	12
195	Discovering Bayesian Market Views for Intelligent Asset Allocation. Lecture Notes in Computer Science, 2019, , 120-135.	1.3	12
196	Predicting video engagement using heterogeneous DeepWalk. Neurocomputing, 2021, 465, 228-237.	5.9	12
197	AspNet: Aspect Extraction by Bootstrapping Generalization and Propagation Using an Aspect Network. Cognitive Computation, 2015, 7, 241-253.	5.2	11
198	SLT-Based ELM for Big Social Data Analysis. Cognitive Computation, 2017, 9, 259-274.	5.2	11

#	ARTICLE	IF	CITATIONS
199	Adaptive two-stage feature selection for sentiment classification. , 2017, , .		11
200	Ensemble of Technical Analysis and Machine Learning for Market Trend Prediction. , 2018, , .		11
201	Balancing computational complexity and generalization ability: A novel design for ELM. Neurocomputing, 2020, 401, 405-417.	5.9	11
202	Gated recurrent unit with multilingual universal sentence encoder for Arabic aspect-based sentiment analysis. Knowledge-Based Systems, 2023, 261, 107540.	7.1	11
203	Bayesian Deep Convolution Belief Networks for Subjectivity Detection. , 2016, , .		10
204	Predicting evolving chaotic time series with fuzzy neural networks. , 2017, , .		10
205	Can a Humanoid Robot be part of the Organizational Workforce? A User Study Leveraging Sentiment Analysis. , 2019, , .		10
206	Growing semantic vines for robust asset allocation. Knowledge-Based Systems, 2019, 165, 297-305.	7.1	10
207	Sentic Avatar: Multimodal Affective Conversational Agent with Common Sense. Lecture Notes in Computer Science, 2011, , 81-95.	1.3	10
208	Dilated Convolutional Attention Network for Medical Code Assignment from Clinical Text. , 2020, , .		10
209	Summary of MuSe 2020. , 2020, , .		10
210	Polarity and Subjectivity Detection with Multitask Learning and BERT Embedding. Future Internet, 2022, 14, 191.	3.8	10
211	A learning scheme based on similarity functions for affective common-sense reasoning. , 2015, , .		9
212	Investigating Timing and Impact of News on the Stock Market. , 2018, , .		9
213	Ensemble Application of Transfer Learning and Sample Weighting for Stock Market Prediction. , 2019, , .		9
214	Deciphering Public Opinion of Nuclear Energy on Twitter. , 2020, , .		9
215	Toward Aspect-Level Sentiment Modification Without Parallel Data. IEEE Intelligent Systems, 2021, 36, 75-81.	4.0	9
216	Artificial Intelligence, Social Media and Supply Chain Management: The Way Forward. Electronics (Switzerland), 2021, 10, 2348.	3.1	9

#	ARTICLE	IF	CITATIONS
217	MuSe 2021 Challenge. , 2021, , .		9
218	Guest Editorial: Explainable artificial intelligence for sentiment analysis. Knowledge-Based Systems, 2022, 238, 107920.	7.1	9
219	Gender-based multi-aspect sentiment detection using multilabel learning. Information Sciences, 2022, 606, 453-468.	6.9	9
220	Computational Intelligence for Natural Language Processing [Guest Editorial]. IEEE Computational Intelligence Magazine, 2014, 9, 19-63.	3.2	8
221	Concept-Level Sentiment Analysis with SenticNet. A Practical Guide To Sentiment Analysis, 2017, , 173-188.	0.3	8
222	Semantic Sentiment Analysis Challenge at ESWC2017. Communications in Computer and Information Science, 2017, , 109-123.	0.5	8
223	Learning From Personal Longitudinal Dialog Data. IEEE Intelligent Systems, 2019, 34, 16-23.	4.0	8
224	Genetic Programming for Domain Adaptation in Product Reviews. , 2020, , .		8
225	Does semantics aid syntax? An empirical study on named entity recognition and classification. Neural Computing and Applications, 2022, 34, 8373-8384.	5.6	8
226	Graph routing between capsules. Neural Networks, 2021, 143, 345-354.	5.9	8
227	PerSent 2.0: Persian Sentiment Lexicon Enriched with Domain-Specific Words. Lecture Notes in Computer Science, 2020, , 497-509.	1.3	8
228	Concept-level sentiment analysis. , 2014, , .		7
229	Understanding the Role of Social Media in Backpacker Tourism. , 2019, , .		7
230	Learning with Similarity Functions: a Tensor-Based Framework. Cognitive Computation, 2019, 11, 31-49.	5.2	7
231	A Multitask Learning Framework for Multimodal Sentiment Analysis. , 2021, , .		7
232	Document Representation with Statistical Word Senses in Cross-Lingual Document Clustering. International Journal of Pattern Recognition and Artificial Intelligence, 2015, 29, 1559003.	1.2	6
233	Multitask Recalibrated Aggregation Network for Medical Code Prediction. Lecture Notes in Computer Science, 2021, , 367-383.	1.3	6
234	CSenticNet: A Concept-Level Resource for Sentiment Analysis in Chinese Language. Lecture Notes in Computer Science, 2018, , 90-104.	1.3	6

#	ARTICLE	IF	CITATIONS
235	One Belt, One Road, One Sentiment? A Hybrid Approach to Gauging Public Opinions on the New Silk Road Initiative. , 2020, , .		6
236	Fake News Detection Using XLNet Fine-Tuning Model. , 2021, , .		6
237	Affective reasoning for big social data analysis. IEEE Transactions on Affective Computing, 2017, 8, 426-427.	8.3	5
238	Combining Textual Clues with Audio-Visual Information for Multimodal Sentiment Analysis. A Practical Guide To Sentiment Analysis, 2018, , 153-178.	0.3	5
239	Toward hardware-aware deep-learning-based dialogue systems. Neural Computing and Applications, 2022, 34, 10397-10408.	5.6	5
240	Emotion Recognition on Edge Devices: Training and Deployment. Sensors, 2021, 21, 4496.	3.8	5
241	Guest Editorial: A Decade of Sentic Computing. Cognitive Computation, 2022, 14, 1-4.	5.2	5
242	Deep-attack over the deep reinforcement learning. Knowledge-Based Systems, 2022, 250, 108965.	7.1	5
243	New Trends of Learning in Computational Intelligence (Part II) [Guest Editorial]. IEEE Computational Intelligence Magazine, 2015, 10, 8-8.	3.2	4
244	Open Secrets and Wrong Rights. , 2017, , .		4
245	Storages Are Not Forever. Cognitive Computation, 2017, 9, 646-658.	5.2	4
246	Auto-categorization of medical concepts and contexts. , 2017, , .		4
247	Letâ€™s Chat about Brexit! A Politically-Sensitive Dialog System Based on Twitter Data. , 2017, , .		4
248	Learning Visual Concepts in Images Using Temporal Convolutional Networks. , 2018, , .		4
249	Soft labeling constraint for generalizing from sentiments in single domain. Knowledge-Based Systems, 2022, 245, 108346.	7.1	4
250	Muscle synergies for reliable classification of arm motions using myoelectric interface. , 2015, 2015, 1136-9.		3
251	Sentiment-Oriented Information Retrieval: Affective Analysis of Documents Based on the SenticNet Framework. Studies in Computational Intelligence, 2016, , 175-197.	0.9	3
252	Employing sentiment-based affinity and gravity scores to identify relations of medical concepts. , 2017, , .		3

#	ARTICLE	IF	CITATIONS
253	Semantically Enhanced Models for Commonsense Knowledge Acquisition. , 2018, , .		3
254	Singlish SenticNet: A Concept-Based Sentiment Resource for Singapore English. , 2018, , .		3
255	Speaker-Independent Multimodal Sentiment Analysis for Big Data. , 2019, , 13-43.		3
256	This! Identifying New Sentiment Slang Through Orthographic Pleonasm Online: Yasss Slay Gorg Queen llysm. IEEE Intelligent Systems, 2021, 36, 114-120.	4.0	3
257	Mood of the Planet: Challenging Visions of Big Data in the Arts. Cognitive Computation, 2022, 14, 310-321.	5.2	3
258	Towards IMACA: Intelligent Multimodal Affective Conversational Agent. Lecture Notes in Computer Science, 2012, , 656-663.	1.3	3
259	Clustering Social Networks Using Interaction Semantics and Sentic. Lecture Notes in Computer Science, 2012, , 379-385.	1.3	3
260	Improving Zero-Shot Learning Baselines with Commonsense Knowledge. Cognitive Computation, 2022, 14, 2212-2222.	5.2	3
261	Semantic Models for Style-Based Text Clustering. , 2011, , .		2
262	A Localization Toolkit for Sentic Net. , 2014, , .		2
263	Subjectivity Detection in Nuclear Energy Tweets. Computacion Y Sistemas, 2018, 21, .	0.3	2
264	A Novel Non-Iterative Parameter Estimation Method for Interval Type-2 Fuzzy Neural Networks Based on a Dynamic Cost Function. , 2019, , .		2
265	Landmark calibration for facial expressions and fish classification. Signal, Image and Video Processing, 2022, 16, 377-384.	2.7	2
266	Sentic Computing for Social Media Analysis, Representation, and Retrieval. Computer Communications and Networks, 2013, , 191-215.	0.8	2
267	Sentiment Analysis, Basic Tasks of. , 2017, , 1-20.		2
268	COAL: Convolutional Online Adaptation Learning for Opinion Mining. , 2020, , .		2
269	Interpretable Representation Learning for Personality Detection. , 2021, , .		2
270	Concept Extraction from Natural Text for Concept Level Text Analysis. A Practical Guide To Sentiment Analysis, 2018, , 79-84.	0.3	1

#	ARTICLE	IF	CITATIONS
271	EmoSenticSpace: Dense Concept-Based Affective Features with Common-Sense Knowledge. A Practical Guide To Sentiment Analysis, 2018, , 85-116.	0.3	1
272	Semantic Sentiment Analysis Challenge at ESWC2018. Communications in Computer and Information Science, 2018, , 117-128.	0.5	1
273	New Avenues in Mobile Tourism. , 2020, , .		1
274	TOMN: Constituent-Based Tagging Scheme. A Practical Guide To Sentiment Analysis, 2021, , 59-75.	0.3	1
275	SenticNet. A Practical Guide To Sentiment Analysis, 2017, , 39-103.	0.3	1
276	Efficient Semantic Search Over Structured Web Data: A GPU Approach. Lecture Notes in Computer Science, 2018, , 549-562.	1.3	1
277	Switching Between Different Ways to Think. Lecture Notes in Computer Science, 2011, , 56-69.	1.3	1
278	Sentic Maxine: Multimodal Affective Fusion and Emotional Paths. Lecture Notes in Computer Science, 2012, , 555-565.	1.3	1
279	Sentic Applications. , 2015, , 107-153.		1
280	GpSense: A GPU-Friendly Method for Commonsense Subgraph Matching in Massively Parallel Architectures. Lecture Notes in Computer Science, 2018, , 547-559.	1.3	1
281	Sentic Computing. , 2022, , 821-827.		1
282	Transformer-Based Bidirectional Encoder Representations for Emotion Detection from Text. , 2021, , .		1
283	DUISE: A New Benchmark Dataset for Drug User Sentiment Extraction. , 2021, , .		1
284	Preface to the Sentiment Elicitation from Natural Text for Information Retrieval and Extraction Workshop. , 2011, , .		0
285	Preface to the Workshop on Sentiment Elicitation from Natural Text for Information Retrieval and Extraction – SENTIRE 2012. , 2012, , .		0
286	Inducing Word Senses for Cross-lingual Document Clustering. , 2013, , .		0
287	Preface to Sentiment Elicitation from Natural Text for Information Retrieval and Extraction. , 2013, , .		0
288	Development of a Diplomatic, Information, Military, Health, and Economic Effects Modeling System. International Journal of Privacy and Health Information Management, 2013, 1, 1-11.	0.2	0

#	ARTICLE	IF	CITATIONS
289	Collective copyright. , 2014, , .		0
290	Commonsense Knowledge as the Glue in a Hybrid Model of Computational Creativity. , 2014, , .		0
291	Preface to SENTIRE 2014. , 2014, , .		0
292	Discrete classification of upper limb motions using myoelectric interface. , 2015, , .		0
293	Sentic Computing for Social Network Analysis. , 2017, , 71-90.		0
294	Literature Survey and Datasets. A Practical Guide To Sentiment Analysis, 2018, , 37-78.	0.3	0
295	An Attention-Based Model for Learning Dynamic Interaction Networks. , 2019, , .		0
296	SynTime: Token Types and Heuristic Rules. A Practical Guide To Sentiment Analysis, 2021, , 47-58.	0.3	0
297	Sentic Patterns. , 2015, , 73-106.		0
298	Application to Sentiment Analysis. A Practical Guide To Sentiment Analysis, 2017, , 105-125.	0.3	0
299	Sentiment Analysis, Basic Tasks of. , 2018, , 2434-2454.		0
300	ASR Hypothesis Reranking Using Prior-Informed Restricted Boltzmann Machine. Lecture Notes in Computer Science, 2018, , 503-514.	1.3	0
301	Classifying World Englishes from a Lexical Perspective: A Corpus-Based Approach. Lecture Notes in Computer Science, 2018, , 564-575.	1.3	0
302	Developing a Concept-Level Knowledge Base for Sentiment Analysis in Singlish. Lecture Notes in Computer Science, 2018, , 347-361.	1.3	0
303	Theoretical Underpinnings on Text Mining. A Practical Guide To Sentiment Analysis, 2019, , 27-35.	0.3	0
304	Literature Review and Preliminaries. A Practical Guide To Sentiment Analysis, 2019, , 9-25.	0.3	0
305	Computational Semantics for Asset Correlations. A Practical Guide To Sentiment Analysis, 2019, , 37-61.	0.3	0
306	Sentiment Analysis for View Modeling. A Practical Guide To Sentiment Analysis, 2019, , 63-96.	0.3	0

#	ARTICLE	IF	CITATIONS
307	Sentic Computing. , 2020, , 1-6.		0