Erik Cambria

List of Publications by Citations

289 papers	14,717 citations	66 h-index	115 g-index
345 ext. papers	20,215 ext. citations	4.8 avg, IF	7.81 L-index

#	Paper	IF	Citations
289	Recent Trends in Deep Learning Based Natural Language Processing [Review Article]. *IEEE Computational Intelligence Magazine*, **2018**, 13, 55-75	5.6	1230
288	Affective Computing and Sentiment Analysis. *IEEE Intelligent Systems*, **2016**, 31, 102-107	4.2	701
287	New Avenues in Opinion Mining and Sentiment Analysis. *IEEE Intelligent Systems*, **2013**, 28, 15-21	4.2	597
286	A review of affective computing: From unimodal analysis to multimodal fusion. *Information Fusion*, **2017**, 37, 98-125	16.7	512
285	Aspect extraction for opinion mining with a deep convolutional neural network. *Knowledge-Based Systems*, **2016**, 108, 42-49	7.3	453
284	Jumping NLP Curves: A Review of Natural Language Processing Research [Review Article]. *IEEE Computational Intelligence Magazine*, **2014**, 9, 48-57	5.6	432
283	Fusing audio, visual and textual clues for sentiment analysis from multimodal content. *Neurocomputing*, **2016**, 174, 50-59	5.4	262
282	Extreme Learning Machines [Trends & Controversies]. *IEEE Intelligent Systems*, **2013**, 28, 30-59	4.2	249
281	Tensor Fusion Network for Multimodal Sentiment Analysis **2017**,		233
280	. *IEEE Intelligent Systems*, **2017**, 32, 74-79	4.2	228
279	Sentic patterns: Dependency-based rules for concept-level sentiment analysis. *Knowledge-Based Systems*, **2014**, 69, 45-63	7.3	211
278	Sentiment Analysis Is a Big Suitcase. *IEEE Intelligent Systems*, **2017**, 32, 74-80	4.2	209
277	ABCDM: An Attention-based Bidirectional CNN-RNN Deep Model for sentiment analysis. *Future Generation Computer Systems*, **2021**, 115, 279-294	7.5	189
276	Convolutional MKL Based Multimodal Emotion Recognition and Sentiment Analysis **2016**,		187
275	Context-Dependent Sentiment Analysis in User-Generated Videos **2017**,		184
274	Deep Convolutional Neural Network Textual Features and Multiple Kernel Learning for Utterance-level Multimodal Sentiment Analysis **2015**,		180
273	Deep Learning--based Text Classification. *ACM Computing Surveys*, **2021**, 54, 1-40	13.4	175

272	A Survey on Knowledge Graphs: Representation, Acquisition, and Applications. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	165
271	SenticNet 6: Ensemble Application of Symbolic and Subsymbolic AI for Sentiment Analysis **2020**,		156
270	Sentic LSTM: a Hybrid Network for Targeted Aspect-Based Sentiment Analysis. *Cognitive Computation*, **2018**, 10, 639-650	4.4	146
269	Semi-supervised learning for big social data analysis. *Neurocomputing*, **2018**, 275, 1662-1673	5.4	140
268	Learning Community Embedding with Community Detection and Node Embedding on Graphs **2017**,		139
267	Natural language based financial forecasting: a survey. *Artificial Intelligence Review*, **2018**, 50, 49-73	9.7	137
266	Sentic Computing. *SpringerBriefs in Cognitive Computation*, **2012**,		133
265	How Intense Are You? Predicting Intensities of Emotions and Sentiments using Stacked Ensemble [Application Notes]. *IEEE Computational Intelligence Magazine*, **2020**, 15, 64-75	5.6	129
264	The Hourglass of Emotions. *Lecture Notes in Computer Science*, **2012**, 144-157	0.9	128
263	Towards an intelligent framework for multimodal affective data analysis. *Neural Networks*, **2015**, 63, 104-16	9.1	127
262	Supervised Learning for Fake News Detection. *IEEE Intelligent Systems*, **2019**, 34, 76-81	4.2	121
261	Multimodal sentiment analysis using hierarchical fusion with context modeling. *Knowledge-Based Systems*, **2018**, 161, 124-133	7.3	118
260	A Rule-Based Approach to Aspect Extraction from Product Reviews **2014**,		114
259	Distinguishing between facts and opinions for sentiment analysis: Survey and challenges. *Information Fusion*, **2018**, 44, 65-77	16.7	113
258	Multilingual Sentiment Analysis: State of the Art and Independent Comparison of Techniques. *Cognitive Computation*, **2016**, 8, 757-771	4.4	111
257	Feature Ensemble Plus Sample Selection: Domain Adaptation for Sentiment Classification. *IEEE Intelligent Systems*, **2013**, 28, 10-18	4.2	109
256	Ensemble application of convolutional neural networks and multiple kernel learning for multimodal sentiment analysis. *Neurocomputing*, **2017**, 261, 217-230	5.4	108
255	Word Polarity Disambiguation Using Bayesian Model and Opinion-Level Features. *Cognitive Computation*, **2015**, 7, 369-380	4.4	107

254	Learning Word Representations for Sentiment Analysis. *Cognitive Computation*, **2017**, 9, 843-851	4.4	105
253	Multilingual sentiment analysis: from formal to informal and scarce resource languages. *Artificial Intelligence Review*, **2017**, 48, 499-527	9.7	101
252	EmoSenticSpace: A novel framework for affective common-sense reasoning. *Knowledge-Based Systems*, **2014**, 69, 108-123	7.3	100
251	Fuzzy commonsense reasoning for multimodal sentiment analysis. *Pattern Recognition Letters*, **2019**, 125, 264-270	4.7	99
250	DialogueRNN: An Attentive RNN for Emotion Detection in Conversations. *Proceedings of the AAAI Conference on Artificial Intelligence*, **2019**, 33, 6818-6825	5	98
249	Sentiment Data Flow Analysis by Means of Dynamic Linguistic Patterns. *IEEE Computational Intelligence Magazine*, **2015**, 10, 26-36	5.6	97
248	Bayesian network based extreme learning machine for subjectivity detection. *Journal of the Franklin Institute*, **2018**, 355, 1780-1797	4	97
247	Sentiment and Sarcasm Classification With Multitask Learning. *IEEE Intelligent Systems*, **2019**, 34, 38-43	4.2	95
246	A Review of Sentiment Analysis Research in Chinese Language. *Cognitive Computation*, **2017**, 9, 423-435	4.4	90
245	Ensemble application of convolutional and recurrent neural networks for multi-label text categorization **2017**,		89
244	A concept-level approach to the analysis of online review helpfulness. *Computers in Human Behavior*, **2016**, 58, 75-81	7.7	88
243	MELD: A Multimodal Multi-Party Dataset for Emotion Recognition in Conversations **2019**,		87
242	Sentic Computing for social media marketing. *Multimedia Tools and Applications*, **2012**, 59, 557-577	2.5	86
241	Learning multi-grained aspect target sequence for Chinese sentiment analysis. *Knowledge-Based Systems*, **2018**, 148, 167-176	7.3	85
240	A Generative Model for category text generation. *Information Sciences*, **2018**, 450, 301-315	7.7	84
239	. *IEEE Intelligent Systems*, **2018**, 33, 77-85	4.2	84
238	Polarity shift detection, elimination and ensemble: A three-stage model for document-level sentiment analysis. *Information Processing and Management*, **2016**, 52, 36-45	6.3	82
237	Technical analysis and sentiment embeddings for market trend prediction. *Expert Systems With Applications*, **2019**, 135, 60-70	7.8	80

236	Sentic Computing **2015**,		78
235	Knowledge-Based Approaches to Concept-Level Sentiment Analysis. *IEEE Intelligent Systems*, **2013**, 28, 12-14	4.2	77
234	Sentic Web: A New Paradigm for Managing Social Media Affective Information. *Cognitive Computation*, **2011**, 3, 480-489	4.4	76
233	Recent trends in deep learning based personality detection. *Artificial Intelligence Review*, **2020**, 53, 2313-2339	9.7	75
232	An ELM-based model for affective analogical reasoning. *Neurocomputing*, **2015**, 149, 443-455	5.4	73
231	Conversational Memory Network for Emotion Recognition in Dyadic Dialogue Videos **2018**, 2018, 2122-2132		73
230	The four dimensions of social network analysis: An overview of research methods, applications, and software tools. *Information Fusion*, **2020**, 63, 88-120	16.7	71
229	Multimodal Sentiment Analysis: Addressing Key Issues and Setting Up the Baselines. *IEEE Intelligent Systems*, **2018**, 33, 17-25	4.2	70
228	Sentic LDA: Improving on LDA with semantic similarity for aspect-based sentiment analysis **2016**,		69
227	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	7.8	69
226	The Hourglass Model Revisited. *IEEE Intelligent Systems*, **2020**, 35, 96-102	4.2	69
225	A tale of two epidemics: Contextual Word2Vec for classifying twitter streams during outbreaks. *Information Processing and Management*, **2019**, 56, 247-257	6.3	68
224	Learning word dependencies in text by means of a deep recurrent belief network. *Knowledge-Based Systems*, **2016**, 108, 144-154	7.3	67
223	Sentic Album: Content-, Concept-, and Context-Based Online Personal Photo Management System. *Cognitive Computation*, **2012**, 4, 477-496	4.4	66
222	Statistical Learning Theory and ELM for Big Social Data Analysis. *IEEE Computational Intelligence Magazine*, **2016**, 11, 45-55	5.6	63
221	ICON: Interactive Conversational Memory Network for Multimodal Emotion Detection **2018**,		63
220	Sentic Computing for patient centered applications **2010**,		61
219	Common Sense Knowledge for Handwritten Chinese Text Recognition. *Cognitive Computation*, **2013**, 5, 234-242	4.4	58

218	Towards Scalable and Reliable Capsule Networks for Challenging NLP Applications **2019**,		58
217	A Practical Guide to Sentiment Analysis. *A Practical Guide To Sentiment Analysis*, **2017**,	0	57
216	Semantic Multidimensional Scaling for Open-Domain Sentiment Analysis. *IEEE Intelligent Systems*, **2014**, 29, 44-51	4.2	54
215	Cognitive-inspired domain adaptation of sentiment lexicons. *Information Processing and Management*, **2019**, 56, 554-564	6.3	53
214	Modelling customer satisfaction from online reviews using ensemble neural network and effect-based Kano model. *International Journal of Production Research*, **2019**, 57, 7068-7088	7.8	53
213	SeNTU: Sentiment Analysis of Tweets by Combining a Rule-based Classifier with Supervised Learning **2015**,		53
212	A review of sentiment analysis research in Arabic language. *Future Generation Computer Systems*, **2020**, 112, 408-430	7.5	51
211	Circular-ELM for the reduced-reference assessment of perceived image quality. *Neurocomputing*, **2013**, 102, 78-89	5.4	51
210	Multi-level Multiple Attentions for Contextual Multimodal Sentiment Analysis **2017**,		49
209	. *IEEE Computational Intelligence Magazine*, **2019**, 14, 39-50	5.6	48
208	Intelligent Asset Allocation via Market Sentiment Views. *IEEE Computational Intelligence Magazine*, **2018**, 13, 25-34	5.6	47
207	Learning binary codes with neural collaborative filtering for efficient recommendation systems. *Knowledge-Based Systems*, **2019**, 172, 64-75	7.3	46
206	Application of multi-dimensional scaling and artificial neural networks for biologically inspired opinion mining. *Biologically Inspired Cognitive Architectures*, **2013**, 4, 41-53		46
205	Affective Computing and Sentiment Analysis. *A Practical Guide To Sentiment Analysis*, **2017**, 1-10	0	45
204	Sentic Computing: Exploitation of Common Sense for the Development of Emotion-Sensitive Systems. *Lecture Notes in Computer Science*, **2010**, 148-156	0.9	45
203	Statistical Approaches to Concept-Level Sentiment Analysis. *IEEE Intelligent Systems*, **2013**, 28, 6-9	4.2	44
202	A survey on empathetic dialogue systems. *Information Fusion*, **2020**, 64, 50-70	16.7	43
201	Consensus vote models for detecting and filtering neutrality in sentiment analysis. *Information Fusion*, **2018**, 44, 126-135	16.7	43

200	A graph-based approach to commonsense concept extraction and semantic similarity detection **2013**,		43
199	Intention awareness: improving upon situation awareness in human-centric environments. *Human-centric Computing and Information Sciences*, **2013**, 3,	5.4	42
198	New Trends of Learning in Computational Intelligence [Guest Editorial]. *IEEE Computational Intelligence Magazine*, **2015**, 10, 16-17	5.6	42
197	Enriching SenticNet Polarity Scores through Semi-Supervised Fuzzy Clustering **2012**,		42
196	Merging SenticNet and WordNet-Affect emotion lists for sentiment analysis **2012**,		42
195	Big Social Data Analysis **2013**, 401-414		42
194	User reviews: Sentiment analysis using lexicon integrated two-channel CNN–LSTM family models. *Applied Soft Computing Journal*, **2020**, 94, 106435	7.5	41
193	Learning short-text semantic similarity with word embeddings and external knowledge sources. *Knowledge-Based Systems*, **2019**, 182, 104842	7.3	41
192	Multimodal Language Analysis in the Wild: CMU-MOSEI Dataset and Interpretable Dynamic Fusion Graph **2018**,		40
191	Sentiment Analysis and Topic Recognition in Video Transcriptions. *IEEE Intelligent Systems*, **2021**, 36, 88-95	4.2	40
190	Anaphora and coreference resolution: A review. *Information Fusion*, **2020**, 59, 139-162	16.7	38
189	Sentic blending: Scalable multimodal fusion for the continuous interpretation of semantics and sentics **2013**,		38
188	BiERU: Bidirectional emotional recurrent unit for conversational sentiment analysis. *Neurocomputing*, **2022**, 467, 73-82	5.4	38
187	Common Sense Computing: From the Society of Mind to Digital Intuition and beyond. *Lecture Notes in Computer Science*, **2009**, 252-259	0.9	38
186	A review of emotion sensing: categorization models and algorithms. *Multimedia Tools and Applications*, **2020**, 79, 35553-35582	2.5	37
185	The CLSA Model: A Novel Framework for Concept-Level Sentiment Analysis. *Lecture Notes in Computer Science*, **2015**, 3-22	0.9	35
184	Segment-level joint topic-sentiment model for online review analysis. *IEEE Intelligent Systems*, **2019** , 34, 43-50	4.2	34
183	Acoustic template-matching for automatic emergency state detection: An ELM based algorithm. *Neurocomputing*, **2015**, 149, 426-434	5.4	34

182	Modelling Public Sentiment in Twitter: Using Linguistic Patterns to Enhance Supervised Learning. *Lecture Notes in Computer Science*, **2015**, 49-65	0.9	34
181	IARM: Inter-Aspect Relation Modeling with Memory Networks in Aspect-Based Sentiment Analysis **2018**,		33
180	Public MoodDriven Asset Allocation: the Importance of Financial Sentiment in Portfolio Management. *Cognitive Computation*, **2018**, 10, 1167-1176	4.4	33
179	Inconsistencies on TripAdvisor reviews: A unified index between users and Sentiment Analysis Methods. *Neurocomputing*, **2019**, 353, 3-16	5.4	31
178	New avenues in knowledge bases for natural language processing. *Knowledge-Based Systems*, **2016**, 108, 1-4	7.3	31
177	An Introduction to Concept-Level Sentiment Analysis. *Lecture Notes in Computer Science*, **2013**, 478-483	0.9	31
176	Computational Intelligence for Affective Computing and Sentiment Analysis [Guest Editorial]. *IEEE Computational Intelligence Magazine*, **2019**, 14, 16-17	5.6	29
175	Sentiment-aware volatility forecasting. *Knowledge-Based Systems*, **2019**, 176, 68-76	7.3	28
174	Computational Intelligence for Big Social Data Analysis [Guest Editorial]. *IEEE Computational Intelligence Magazine*, **2016**, 11, 8-9	5.6	28
173	Role of Muscle Synergies in Real-Time Classification of Upper Limb Motions using Extreme Learning Machines. *Journal of NeuroEngineering and Rehabilitation*, **2016**, 13, 76	5.3	28
172	Aspect-based sentiment analysis via affective knowledge enhanced graph convolutional networks. *Knowledge-Based Systems*, **2021**, 235, 107643	7.3	27
171	Unsupervised Commonsense Knowledge Enrichment for Domain-Specific Sentiment Analysis. *Cognitive Computation*, **2016**, 8, 467-477	4.4	26
170	Phonetic-Based Microtext Normalization for Twitter Sentiment Analysis **2017**,		26
169	SenticSpace: Visualizing Opinions and Sentiments in a Multi-dimensional Vector Space. *Lecture Notes in Computer Science*, **2010**, 385-393	0.9	26
168	A survey of graph processing on graphics processing units. *Journal of Supercomputing*, **2018**, 74, 2086-2115	1.5	24
167	Modeling Inter-Aspect Dependencies for Aspect-Based Sentiment Analysis **2018**,		24
166	Sentic Medoids: Organizing Affective Common Sense Knowledge in a Multi-Dimensional Vector Space. *Lecture Notes in Computer Science*, **2011**, 601-610	0.9	24
165	Multi-Level Fine-Scaled Sentiment Sensing with Ambivalence Handling. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **2020**, 28, 683-697	0.8	24

164	A multilingual semi-supervised approach in deriving Singlish sentic patterns for polarity detection. *Knowledge-Based Systems*, **2016**, 105, 236-247	7.3	24
163	Multitask Representation Learning for Multimodal Estimation of Depression Level. *IEEE Intelligent Systems*, **2019**, 34, 45-52	4.2	24
162	BabelSenticNet: A Commonsense Reasoning Framework for Multilingual Sentiment Analysis **2018**,		24
161	Common Sense Knowledge Based Personality Recognition from Text. *Lecture Notes in Computer Science*, **2013**, 484-496	0.9	23
160	Suicidal Ideation Detection: A Review of Machine Learning Methods and Applications. *IEEE Transactions on Computational Social Systems*, **2021**, 8, 214-226	4.5	23
159	A novel context-aware multimodal framework for persian sentiment analysis. *Neurocomputing*, **2021**, 457, 377-388	5.4	23
158	Disentangled Variational Auto-Encoder for semi-supervised learning. *Information Sciences*, **2019**, 482, 73-85	7.7	22
157	. *IEEE Intelligent Systems*, **2020**, 35, 106-114	4.2	21
156	Ensemble application of ELM and GPU for real-time multimodal sentiment analysis. *Memetic Computing*, **2018**, 10, 3-13	3.4	21
155	PerSent: A Freely Available Persian Sentiment Lexicon. *Lecture Notes in Computer Science*, **2016**, 310-320	0.9	20
154	A Survey on Deep Learning in Image Polarity Detection: Balancing Generalization Performances and Computational Costs. *Electronics (Switzerland)*, **2019**, 8, 783	2.6	19
153	Bridging Cognitive Models and Recommender Systems. *Cognitive Computation*, **2020**, 12, 426-427	4.4	18
152	Time Expression Analysis and Recognition Using Syntactic Token Types and General Heuristic Rules **2017**,		18
151	Sentic Computing. *Cognitive Computation*, **2015**, 7, 183-185	4.4	17
150	Enhancing business intelligence by means of suggestive reviews. *Scientific World Journal, The*, **2014**, 2014, 879323	2.2	17
149	Sounds of Silence Breakers: Exploring Sexual Violence on Twitter **2018**,		17
148	ESWC14 Challenge on Concept-Level Sentiment Analysis. *Communications in Computer and Information Science*, **2014**, 3-20	0.3	16
147	Predicting political sentiments of voters from Twitter in multi-party contexts. *Applied Soft Computing Journal*, **2020**, 97, 106743	7.5	16

146	Extracting Time Expressions and Named Entities with Constituent-Based Tagging Schemes. *Cognitive Computation*, **2020**, 12, 844-862	4.4	15
145	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	3.7	15
144	Real-Time Video Emotion Recognition based on Reinforcement Learning and Domain Knowledge. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 1-1	6.4	15
143	Dialogue systems with audio context. *Neurocomputing*, **2020**, 388, 102-109	5.4	14
142	Semi-supervised Learning for Affective Common-Sense Reasoning. *Cognitive Computation*, **2017**, 9, 18-42	4.4	14
141	Relation Extraction of Medical Concepts Using Categorization and Sentiment Analysis. *Cognitive Computation*, **2018**, 10, 670-685	4.4	13
140	Enhancing Sentiment Classification Performance Using Bi-Tagged Phrases **2013**,		13
139	MuSe 2020 Challenge and Workshop **2020**,		13
138	Combining Sentiment Lexicons and Content-Based Features for Depression Detection. *IEEE Intelligent Systems*, **2021**, 36, 99-105	4.2	12
137	Towards a Chinese Common and Common Sense Knowledge Base for Sentiment Analysis. *Lecture Notes in Computer Science*, **2012**, 437-446	0.9	12
136	Suicidal ideation and mental disorder detection with attentive relation networks. *Neural Computing and Applications*,1	4.8	12
135	No, That Never Happened!! Investigating Rumors on Twitter. *IEEE Intelligent Systems*, **2018**, 33, 8-15	4.2	12
134	SLT-Based ELM for Big Social Data Analysis. *Cognitive Computation*, **2017**, 9, 259-274	4.4	11
133	Tweeting in Support of LGBT? **2019**,		11
132	A Review of Shorthand Systems: From Brachygraphy to Microtext and Beyond. *Cognitive Computation*, **2020**, 12, 778-792	4.4	11
131	Bottom-Up and Top-Down: Predicting Personality with Psycholinguistic and Language Model Features **2020**,		11
130	Popularity prediction on vacation rental websites. *Neurocomputing*, **2020**, 412, 372-380	5.4	11
129	Phonetic-enriched text representation for Chinese sentiment analysis with reinforcement learning. *Information Fusion*, **2021**, 70, 88-99	16.7	11

128	Lyapunov filtering of objectivity for Spanish Sentiment Model **2016**,		11
127	AspNet: Aspect Extraction by Bootstrapping Generalization and Propagation Using an Aspect Network. *Cognitive Computation*, **2015**, 7, 241-253	4.4	10
126	Commonsense-based topic modeling **2013**,		10
125	Data intensive review mining for sentiment classification across heterogeneous domains **2013**,		10
124	Isanette: A Common and Common Sense Knowledge Base for Opinion Mining **2011**,		10
123	Benchmarking Multimodal Sentiment Analysis. *Lecture Notes in Computer Science*, **2018**, 166-179	0.9	10
122	Intent Classification for Dialogue Utterances. *IEEE Intelligent Systems*, **2020**, 35, 82-88	4.2	10
121	Commonsense Knowledge Enhanced Memory Network for Stance Classification. *IEEE Intelligent Systems*, **2020**, 35, 102-109	4.2	10
120	Ten Years of Sentic Computing. *Cognitive Computation*,1	4.4	10
119	Type Like a Man! Inferring Gender from Keystroke Dynamics in Live-Chats. *IEEE Intelligent Systems*, **2019**, 34, 53-59	4.2	10
118	End-to-End latent-variable task-oriented dialogue system with exact log-likelihood optimization. *World Wide Web*, **2020**, 23, 1989-2002	2.9	10
117	Time Expression Recognition Using a Constituent-based Tagging Scheme **2018**,		10
116	Towards GPU-Based Common-Sense Reasoning: Using Fast Subgraph Matching. *Cognitive Computation*, **2016**, 8, 1074-1086	4.4	9
115	Predicting evolving chaotic time series with fuzzy neural networks **2017**,		9
114	PhonSenticNet: A Cognitive Approach to Microtext Normalization for Concept-Level Sentiment Analysis. *Lecture Notes in Computer Science*, **2019**, 177-188	0.9	9
113	Adaptive Modality Distillation for Separable Multimodal Sentiment Analysis. *IEEE Intelligent Systems*, **2021**, 36, 82-89	4.2	9
112	Comment toxicity detection via a multichannel convolutional bidirectional gated recurrent unit. *Neurocomputing*, **2021**, 441, 272-278	5.4	9
111	Bayesian Deep Convolution Belief Networks for Subjectivity Detection **2016**,		9

110	Growing semantic vines for robust asset allocation. *Knowledge-Based Systems*, **2019**, 165, 297-305	7.3	9
109	Computational Intelligence for Natural Language Processing [Guest Editorial]. *IEEE Computational Intelligence Magazine*, **2014**, 9, 19-63	5.6	8
108	A learning scheme based on similarity functions for affective common-sense reasoning **2015**,		8
107	Sentic Avatar: Multimodal Affective Conversational Agent with Common Sense. *Lecture Notes in Computer Science*, **2011**, 81-95	0.9	8
106	New research methods & algorithms in social network analysis. *Future Generation Computer Systems* , **2021**, 114, 290-293	7.5	8
105	Multimodal Sentiment Analysis. *A Practical Guide To Sentiment Analysis*, **2018**,	0	8
104	A survey on personality-aware recommendation systems. *Artificial Intelligence Review*,1	9.7	8
103	Sequential fusion of facial appearance and dynamics for depression recognition. *Pattern Recognition Letters*, **2021**, 150, 115-121	4.7	8
102	Emotion and sentiment in social and expressive media: Introduction to the special issue. *Information Processing and Management*, **2016**, 52, 1-4	6.3	7
101	Semantic Sentiment Analysis Challenge at ESWC2017. *Communications in Computer and Information Science*, **2017**, 109-123	0.3	7
100	A Convolutional Stacked Bidirectional LSTM with a Multiplicative Attention Mechanism for Aspect Category and Sentiment Detection. *Cognitive Computation*, **2021**, 13, 1423	4.4	7
99	Seq2Seq Deep Learning Models for Microtext Normalization **2019**,		7
98	Learning with Similarity Functions: a Tensor-Based Framework. *Cognitive Computation*, **2019**, 11, 31-49	4.4	7
97	Taylor□ theorem: A new perspective for neural tensor networks. *Knowledge-Based Systems*, **2021**, 228, 107258	7.3	7
96	Concept-level sentiment analysis **2014**,		6
95	Adaptive two-stage feature selection for sentiment classification **2017**,		6
94	SenticNet **2015**, 23-71		6
93	Can a Humanoid Robot be part of the Organizational Workforce? A User Study Leveraging Sentiment Analysis **2019**,		6

92	OntoSenticNet 2: Enhancing Reasoning Within Sentiment Analysis. *IEEE Intelligent Systems*, **2022**, 37, 103-110	4.2	6
91	Concept-Level Sentiment Analysis with SenticNet. *A Practical Guide To Sentiment Analysis*, **2017**, 173-188	0	5
90	Discovering Bayesian Market Views for Intelligent Asset Allocation. *Lecture Notes in Computer Science*, **2019**, 120-135	0.9	5
89	Document Representation with Statistical Word Senses in Cross-Lingual Document Clustering. *International Journal of Pattern Recognition and Artificial Intelligence*, **2015**, 29, 1559003	1.1	5
88	Balancing computational complexity and generalization ability: A novel design for ELM. *Neurocomputing*, **2020**, 401, 405-417	5.4	5
87	Learning From Personal Longitudinal Dialog Data. *IEEE Intelligent Systems*, **2019**, 34, 16-23	4.2	5
86	Sentiment Analysis in the Bio-Medical Domain. *A Practical Guide To Sentiment Analysis*, **2017**,	0	5
85	Context- and Sentiment-Aware Networks for Emotion Recognition in Conversation. *IEEE Transactions on Artificial Intelligence*, **2022**, 1-1	4.7	5
84	Summary of MuSe 2020 **2020**,		5
83	CSenticNet: A Concept-Level Resource for Sentiment Analysis in Chinese Language. *Lecture Notes in Computer Science*, **2018**, 90-104	0.9	5
82	Ensemble of Technical Analysis and Machine Learning for Market Trend Prediction **2018**,		5
81	Multitask learning for emotion and personality traits detection. *Neurocomputing*, **2022**, 493, 340-350	5.4	5
80	Ensemble Application of Transfer Learning and Sample Weighting for Stock Market Prediction **2019** ,		4
79	Storages Are Not Forever. *Cognitive Computation*, **2017**, 9, 646-658	4.4	4
78	. *IEEE Transactions on Affective Computing*, **2017**, 8, 426-427	5.7	4
77	Auto-categorization of medical concepts and contexts **2017**,		4
76	New Trends of Learning in Computational Intelligence (Part II) [Guest Editorial]. *IEEE Computational Intelligence Magazine*, **2015**, 10, 8-8	5.6	4
75	MuSe-Toolbox: The Multimodal Sentiment Analysis Continuous Annotation Fusion and Discrete Class Transformation Toolbox **2021**,		4

74	MuSe 2021 Challenge **2021**,		4
73	Genetic Programming for Domain Adaptation in Product Reviews **2020**,		4
72	Weakly supervised semantic segmentation with superpixel embedding **2016**,		4
71	Combining Textual Clues with Audio-Visual Information for Multimodal Sentiment Analysis. *A Practical Guide To Sentiment Analysis*, **2018**, 153-178	0	4
70	Stock trading rule discovery with double deep Q-network. *Applied Soft Computing Journal*, **2021**, 107, 107320	7.5	4
69	Open Secrets and Wrong Rights **2017**,		3
68	Employing sentiment-based affinity and gravity scores to identify relations of medical concepts **2017**,		3
67	Muscle synergies for reliable classification of arm motions using myoelectric interface. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 1136-9	0.9	3
66	Dilated Convolutional Attention Network for Medical Code Assignment from Clinical Text **2020**,		3
65	Gated Recurrent Unit with Multilingual Universal Sentence Encoder for Arabic Aspect-Based Sentiment Analysis. *Knowledge-Based Systems*, **2021**, 107540	7.3	3
64	PerSent 2.0: Persian Sentiment Lexicon Enriched with Domain-Specific Words. *Lecture Notes in Computer Science*, **2020**, 497-509	0.9	3
63	Deciphering Public Opinion of Nuclear Energy on Twitter **2020**,		3
62	Sentiment-Oriented Information Retrieval: Affective Analysis of Documents Based on the SenticNet Framework. *Studies in Computational Intelligence*, **2016**, 175-197	0.8	3
61	Understanding the Role of Social Media in Backpacker Tourism **2019**,		3
60	Toward Aspect-Level Sentiment Modification Without Parallel Data. *IEEE Intelligent Systems*, **2021**, 36, 75-81	4.2	3
59	Investigating Timing and Impact of News on the Stock Market **2018**,		3
58	Learning Visual Concepts in Images Using Temporal Convolutional Networks **2018**,		3
57	Singlish SenticNet: A Concept-Based Sentiment Resource for Singapore English **2018**,		3

56	Fake News Detection Using XLNet Fine-Tuning Model **2021**,		3
55	Let Chat about Brexit! A Politically-Sensitive Dialog System Based on Twitter Data **2017**,		2
54	Semantic Models for Style-Based Text Clustering **2011**,		2
53	COAL: Convolutional Online Adaptation Learning for Opinion Mining **2020**,		2
52	Arabic question answering system: a survey. *Artificial Intelligence Review*,1	9.7	2
51	Predicting Future Market Trends: Which Is the Optimal Window?. *Proceedings of the International Neural Networks Society*, **2020**, 180-185	0.5	2
50	Semantically Enhanced Models for Commonsense Knowledge Acquisition **2018**,		2
49	Sentic Patterns: Sentiment Data Flow Analysis by Means of Dynamic Linguistic Patterns. *A Practical Guide To Sentiment Analysis*, **2018**, 117-151	0	2
48	Mood of the Planet: Challenging Visions of Big Data in the Arts. *Cognitive Computation*, **2021**, 1-12	4.4	2
47	Predicting video engagement using heterogeneous DeepWalk. *Neurocomputing*, **2021**, 465, 228-237	5.4	2
46	Sentic Computing for Social Media Analysis, Representation, and Retrieval. *Computer Communications and Networks*, **2013**, 191-215	0.5	2
45	Speaker-Independent Multimodal Sentiment Analysis for Big Data **2019**, 13-43		1
44	A Localization Toolkit for Sentic Net **2014**,		1
43	One Belt, One Road, One Sentiment? A Hybrid Approach to Gauging Public Opinions on the New Silk Road Initiative **2020**,		1
42	SenticNet. *A Practical Guide To Sentiment Analysis*, **2017**, 39-103	0	1
41	Efficient Semantic Search Over Structured Web Data: A GPU Approach. *Lecture Notes in Computer Science*, **2018**, 549-562	0.9	1
40	Towards IMACA: Intelligent Multimodal Affective Conversational Agent. *Lecture Notes in Computer Science*, **2012**, 656-663	0.9	1
39	Sentic Neural Networks: A Novel Cognitive Model for Affective Common Sense Reasoning. *Lecture Notes in Computer Science*, **2012**, 12-21	0.9	1

38	New Avenues in Mobile Tourism **2020**,		1
37	Does semantics aid syntax? An empirical study on named entity recognition and classification. *Neural Computing and Applications*,1	4.8	1
36	A Novel Non-Iterative Parameter Estimation Method for Interval Type-2 Fuzzy Neural Networks Based on a Dynamic Cost Function **2019**,		1
35	Toward hardware-aware deep-learning-based dialogue systems. *Neural Computing and Applications*,1	4.8	1
34	Multitask Recalibrated Aggregation Network for Medical Code Prediction. *Lecture Notes in Computer Science*, **2021**, 367-383	0.9	1
33	Concept Extraction from Natural Text for Concept Level Text Analysis. *A Practical Guide To Sentiment Analysis*, **2018**, 79-84	0	1
32	EmoSenticSpace: Dense Concept-Based Affective Features with Common-Sense Knowledge. *A Practical Guide To Sentiment Analysis*, **2018**, 85-116	0	1
31	Semantic Sentiment Analysis Challenge at ESWC2018. *Communications in Computer and Information Science*, **2018**, 117-128	0.3	1
30	This! Identifying New Sentiment Slang Through Orthographic Pleonasm Online: Yasss Slay Gorg Queen Ilysm. *IEEE Intelligent Systems*, **2021**, 36, 114-120	4.2	1
29	Artificial Intelligence, Social Media and Supply Chain Management: The Way Forward. *Electronics (Switzerland)*, **2021**, 10, 2348	2.6	1
28	Graph routing between capsules. *Neural Networks*, **2021**, 143, 345-354	9.1	1
27	Deep-attack over the deep reinforcement learning. *Knowledge-Based Systems*, **2022**, 108965	7.3	1
26	Gender-based multi-aspect sentiment detection using multilabel learning. *Information Sciences*, **2022**, 606, 453-468	7.7	1
25	Storage and Update of Knowledge. *A Practical Guide To Sentiment Analysis*, **2019**, 97-111	0	0
24	Sentic Applications **2015**, 107-153		0
23	Switching Between Different Ways to Think. *Lecture Notes in Computer Science*, **2011**, 56-69	0.9	0
22	Sentic Maxine: Multimodal Affective Fusion and Emotional Paths. *Lecture Notes in Computer Science* , **2012**, 555-565	0.9	0
21	Clustering Social Networks Using Interaction Semantics and Sentics. *Lecture Notes in Computer Science*, **2012**, 379-385	0.9	0

20	Landmark calibration for facial expressions and fish classification. *Signal, Image and Video Processing*,1	1.6	0
19	TOMN: Constituent-Based Tagging Scheme. *A Practical Guide To Sentiment Analysis*, **2021**, 59-75	0	0
18	Ensemble Hybrid Learning Methods for Automated Depression Detection. *IEEE Transactions on Computational Social Systems*, **2022**, 1-9	4.5	0
17	Soft labeling constraint for generalizing from sentiments in single domain. *Knowledge-Based Systems*, **2022**, 245, 108346	7.3	0
16	Sentic Computing for Social Network Analysis **2017**, 71-90		
15	Development of a Diplomatic, Information, Military, Health, and Economic Effects Modeling System. *International Journal of Privacy and Health Information Management*, **2013**, 1, 1-11	0.1	
14	Sentic Computing **2022**, 821-827		
13	ASR Hypothesis Reranking Using Prior-Informed Restricted Boltzmann Machine. *Lecture Notes in Computer Science*, **2018**, 503-514	0.9	
12	Classifying World Englishes from a Lexical Perspective: A Corpus-Based Approach. *Lecture Notes in Computer Science*, **2018**, 564-575	0.9	
11	Developing a Concept-Level Knowledge Base for Sentiment Analysis in Singlish. *Lecture Notes in Computer Science*, **2018**, 347-361	0.9	
10	GpSense: A GPU-Friendly Method for Commonsense Subgraph Matching in Massively Parallel Architectures. *Lecture Notes in Computer Science*, **2018**, 547-559	0.9	
9	Theoretical Underpinnings on Text Mining. *A Practical Guide To Sentiment Analysis*, **2019**, 27-35	0	
8	Literature Review and Preliminaries. *A Practical Guide To Sentiment Analysis*, **2019**, 9-25	0	
7	Computational Semantics for Asset Correlations. *A Practical Guide To Sentiment Analysis*, **2019**, 37-61	0	
6	Sentiment Analysis for View Modeling. *A Practical Guide To Sentiment Analysis*, **2019**, 63-96	0	
5	Sentic Patterns **2015**, 73-106		
4	Application to Sentiment Analysis. *A Practical Guide To Sentiment Analysis*, **2017**, 105-125	0	
3	UGTO: Uncommon Words and Proper Nouns. *A Practical Guide To Sentiment Analysis*, **2021**, 77-94	0	