Sophia Ananiadou

List of Publications by Year
in descending order

161 papers	6,886 citations	66343 42 h-index	79698 73 g-index
171 all docs	171 docs citations	171 times ranked	5595 citing authors

#	Article	IF	Citations
1	Improving Textual Emotion Recognition Based on Intra- and Inter-Class Variations. IEEE Transactions on Affective Computing, 2023, 14, 1297-1307.	8.3	4
2	Natural language processing applied to mental illness detection: a narrative review. Npj Digital Medicine, 2022, 5, 46.	10.9	78
3	Divide-and-Conquer: Post-User Interaction Network for Fake News Detection on Social Media. , 2022, , .		19
4	A mental state Knowledgeâ€"aware and Contrastive Network for early stress and depression detection on social media. Information Processing and Management, 2022, 59, 102961.	8.6	29
5	Comparing neural models for nested and overlapping biomedical event detection. BMC Bioinformatics, 2022, 23, .	2.6	2
6	Neighbour Interaction based Click-Through Rate Prediction via Graph-masked Transformer. , 2022, , .		8
7	A Narrative Literature Review of Natural Language Processing Applied to the Occupational Exposome. International Journal of Environmental Research and Public Health, 2022, 19, 8544.	2.6	5
8	HSEarch: Semantic Search System for Workplace Accident Reports. Lecture Notes in Computer Science, 2021, , 514-519.	1.3	0
9	A Deep Learning Approach to Refine the Identification of High-Quality Clinical Research Articles From the Biomedical Literature: Protocol for Algorithm Development and Validation. JMIR Research Protocols, 2021, 10, e29398.	1.0	6
10	Automatic identification of suicide notes with a transformer-based deep learning model. Internet Interventions, 2021, 25, 100422.	2.7	17
11	Paladin: an annotation tool based on active and proactive learning. , 2021, , .		6
12	NERO: a biomedical named-entity (recognition) ontology with a large, annotated corpus reveals meaningful associations through text embedding. Npj Systems Biology and Applications, 2021, 7, 38.	3.0	3
13	A term-based and citation network-based search system for COVID-19. JAMIA Open, 2021, 4, ooab104.	2.0	1
14	An ensemble of neural models for nested adverse drug events and medication extraction with subwords. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 22-30.	4.4	41
15	Adverse drug events and medication relation extraction in electronic health records with ensemble deep learning methods. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 39-46.	4.4	72
16	Syntactically-informed word representations from graph neural network. Neurocomputing, 2020, 413, 431-443.	5.9	13
17	Womenâ€™s health in <i>The BMJ</i>: a data science history. BMJ Open, 2020, 10, e039759.	1.9	7
18	Cited text span identification for scientific summarisation using pre-trained encoders. Scientometrics, 2020, 125, 3109-3137.	3.0	15

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19	DeepEventMine: end-to-end neural nested event extraction from biomedical texts. Bioinformatics, 2020, 36, 4910-4917.	4.1	35
20	The pace of modern culture. Nature Human Behaviour, 2020, 4, 352-360.	12.0	14
21	On revolutions. Palgrave Communications, 2020, 6, .	4.7	3
22	Mapping anatomical related entities to human body parts based on wikipedia in discharge summaries. BMC Bioinformatics, 2019, 20, 430.	2.6	2
23	Annotating and detecting phenotypic information for chronic obstructive pulmonary disease. JAMIA Open, 2019, 2, 261-271.	2.0	4
24	Quantifying risk factors in medical reports with a context-aware linear model. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 537-546.	4.4	3
25	Machine learning algorithms for systematic review: reducing workload in a preclinical review of animal studies and reducing human screening error. Systematic Reviews, 2019, 8, 23.	5.3	90
26	Improving reference prioritisation with PICO recognition. BMC Medical Informatics and Decision Making, 2019, 19, 256.	3.0	22
27	A Text Mining Pipeline Using Active and Deep Learning Aimed at Curating Information in Computational Neuroscience. Neuroinformatics, 2019, 17, 391-406.	2.8	17
28	Thalia: semantic search engine for biomedical abstracts. Bioinformatics, 2019, 35, 1799-1801.	4.1	43
29	Connecting the Dots: Document-level Neural Relation Extraction with Edge-oriented Graphs. , 2019, , .		107
30	Inter-sentence Relation Extraction with Document-level Graph Convolutional Neural Network. , 2019, , .		134
31	Improving classification of Adverse Drug Reactions through Using Sentiment Analysis and Transfer Learning. , 2019, , .		14
32	COPIOUS: A gold standard corpus of named entities towards extracting species occurrence from biodiversity literature. Biodiversity Data Journal, 2019, 7, e29626.	0.8	14
33	Hypothesis, analysis and synthesis, it's all Greek to me. ELife, 2019, 8, .	6.0	5
34	Self-Tuned Descriptive Document Clustering Using a Predictive Network. IEEE Transactions on Knowledge and Data Engineering, 2018, 30, 1929-1942.	5.7	8
35	LitPathExplorer: a confidence-based visual text analytics tool for exploring literature-enriched pathway models. Bioinformatics, 2018, 34, 1389-1397.	4.1	4
36	Biosimilar vs originator insulins: Systematic review and meta‐analysis. Diabetes, Obesity and Metabolism, 2018, 20, 1787-1792.	4.4	21

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37	Data Visualization with Structural Control of Global Cohort and Local Data Neighborhoods. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2018, 40, 1323-1337.	13.9	8
38	Annotation and detection of drug effects in text for pharmacovigilance. Journal of Cheminformatics, 2018, 10, 37.	6.1	21
39	Prioritising references for systematic reviews with RobotAnalyst: A user study. Research Synthesis Methods, 2018, 9, 470-488.	8.7	77
40	Identification of research hypotheses and new knowledge from scientific literature. BMC Medical Informatics and Decision Making, 2018, 18, 46.	3.0	52
41	APLenty: annotation tool for creating high-quality datasets using active and proactive learning. , 2018, , .		4
42	A Neural Layered Model for Nested Named Entity Recognition. , 2018, , .		145
43	A Walk-based Model on Entity Graphs for Relation Extraction. , 2018, , .		60
44	Enriching news events with meta-knowledge information. Language Resources and Evaluation, 2017, 51, 409-438.	2.7	33
45	Supporting Biological Pathway Curation Through Text Mining. Communications in Computer and Information Science, 2017, , 59-73.	0.5	2
46	Risk of bias reporting in the recent animal focal cerebral ischaemia literature. Clinical Science, 2017, 131, 2525-2532.	4.3	26
47	A semi-supervised approach using label propagation to support citation screening. Journal of Biomedical Informatics, 2017, 72, 67-76.	4.3	31
48	Role of in silico tools and text mining in the safety assessment of selected plant coumarins. Toxicology Letters, 2017, 280, S96.	0.8	0
49	Using uncertainty to link and rank evidence from biomedical literature for model curation. Bioinformatics, 2017, 33, 3784-3792.	4.1	23
50	Constructing a biodiversity terminological inventory. PLoS ONE, 2017, 12, e0175277.	2.5	12
51	biochem4j: Integrated and extensible biochemical knowledge through graph databases. PLoS ONE, 2017, 12, e0179130.	2.5	31
52	A Text Mining-Based Framework for Constructing an RDF-Compliant Biodiversity Knowledge Repository. Communications in Computer and Information Science, 2017, , 30-42.	0.5	7
53	The GENIA Corpus: Annotation Levels and Applications. , 2017, , 1395-1432.		4
54	Proactive Learning for Named Entity Recognition. , 2017, , .		18

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55	Text mining resources for the life sciences. Database: the Journal of Biological Databases and Curation, 2016, 2016, .	3.0	44
56	Analysis of the effect of sentiment analysis on extracting adverse drug reactions from tweets and forum posts. Journal of Biomedical Informatics, 2016, 62, 148-158.	4.3	140
57	Topic detection using paragraph vectors to support active learning in systematic reviews. Journal of Biomedical Informatics, 2016, 62, 59-65.	4.3	67
58	Argo: enabling the development of bespoke workflows and services for disease annotation. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw066.	3.0	15
59	Overview of the interactive task in BioCreative V. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw119.	3.0	36
60	BioCreative V BioC track overview: collaborative biocurator assistant task for BioGRID. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw121.	3.0	28
61	The strategic impact of META-NET on the regional, national and international level. Language Resources and Evaluation, 2016, 50, 351-374.	2.7	3
62	Descriptive document clustering via discriminant learning in a coâ€embedded space of multilevel similarities. Journal of the Association for Information Science and Technology, 2016, 67, 106-133.	2.9	16
63	SciLite: a platform for displaying text-mined annotations as a means to link research articles with biological data. Wellcome Open Research, 2016, 1, 25.	1.8	21
64	Text Mining the History of Medicine. PLoS ONE, 2016, 11, e0144717.	2.5	47
65	Mapping Phenotypic Information in Heterogeneous Textual Sources to a Domain-Specific Terminological Resource. PLoS ONE, 2016, 11, e0162287.	2.5	11
66	A Text Mining Framework for Accelerating the Semantic Curation of Literature. Lecture Notes in Computer Science, 2016, , 459-462.	1.3	3
67	Supporting systematic reviews using LDA-based document representations. Systematic Reviews, 2015, 4, 172.	5.3	40
68	Overview of the Cancer Genetics and Pathway Curation tasks of BioNLP Shared Task 2013. BMC Bioinformatics, 2015, 16, S2.	2.6	44
69	Optimising chemical named entity recognition with pre-processing analytics, knowledge-rich features and heuristics. Journal of Cheminformatics, 2015, 7, S6.	6.1	24
70	Semantically enhanced search system for historical medical archives. , 2015, , .		2
71	Using text mining techniques to extract phenotypic information from the PhenoCHF corpus. BMC Medical Informatics and Decision Making, 2015, 15, S3.	3.0	26
72	Adaptable, high recall, event extraction system with minimal configuration. BMC Bioinformatics, 2015, 16, S7.	2.6	17

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73	A Cross-Lingual Similarity Measure for Detecting Biomedical Term Translations. PLoS ONE, 2015, 10, e0126196.	2.5	4
74	Customised OCR correction for historical medical text. , 2015, , .		20
75	Event-based text mining for biology and functional genomics. Briefings in Functional Genomics, 2015, 14, 213-230.	2.7	58
76	Europe PMC: a full-text literature database for the life sciences and platform for innovation. Nucleic Acids Research, 2015, 43, D1042-D1048.	14.5	104
77	Using text mining for study identification in systematic reviews: a systematic review of current approaches. Systematic Reviews, 2015, 4, 5.	5.3	345
78	Supporting the annotation of chronic obstructive pulmonary disease (COPD) phenotypes with text mining workflows. Journal of Biomedical Semantics, 2015, 6, 8.	1.6	16
79	Bilingual term alignment from comparable corpora in English discharge summary and Chinese discharge summary. BMC Bioinformatics, 2015, 16, 149.	2.6	8
80	Boosting drug named entity recognition using an aggregate classifier. Artificial Intelligence in Medicine, 2015, 65, 145-153.	6.5	40
81	A Hybrid Approach to Compiling Bilingual Dictionaries of Medical Terms from Parallel Corpora. Lecture Notes in Computer Science, 2014, , 57-69.	1.3	3
82	Text-mining-assisted biocuration workflows in Argo. Database: the Journal of Biological Databases and Curation, 2014, 2014, .	3.0	21
83	Anatomical entity mention recognition at literature scale. Bioinformatics, 2014, 30, 868-875.	4.1	49
84	Reducing systematic review workload through certainty-based screening. Journal of Biomedical Informatics, 2014, 51, 242-253.	4.3	116
85	Processing biological literature with customizable Web services supporting interoperable formats. Database: the Journal of Biological Databases and Curation, 2014, 2014, bau064-bau064.	3.0	12
86	DISCOVERING ROBUST EMBEDDINGS IN (DIS)SIMILARITY SPACE FOR HIGHâ€DIMENSIONAL LINGUISTIC FEATURES. Computational Intelligence, 2014, 30, 285-315.	3.2	0
87	Generalising semantic category disambiguation with large lexical resources for fun and profit. Journal of Biomedical Semantics, 2014, 5, 26.	1.6	2
88	Semi-supervised learning of causal relations in biomedical scientific discourse. BioMedical Engineering OnLine, 2014, 13, S1.	2.7	16
89	Anatomical Entity Recognition with a Hierarchical Framework Augmented by External Resources. PLoS ONE, 2014, 9, e108396.	2.5	10
90	Combining String and Context Similarity for Bilingual Term Alignment from Comparable Corpora. , 2014, , .		8

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91	Deploying and sharing U-Compare workflows as web services. Journal of Biomedical Semantics, 2013, 4, 7.	1.6	7
92	Wide coverage biomedical event extraction using multiple partially overlapping corpora. BMC Bioinformatics, 2013, 14, 175.	2.6	35
93	Negated bio-events: analysis and identification. BMC Bioinformatics, 2013, 14, 14.	2.6	52
94	BioCause: Annotating and analysing causality in the biomedical domain. BMC Bioinformatics, 2013, 14, 2.	2.6	58
95	A method for discovering and inferring appropriate eligibility criteria in clinical trial protocols without labeled data. BMC Medical Informatics and Decision Making, 2013, 13, S6.	3.0	3
96	A hybrid approach to recognising discourse causality in the biomedical domain. , 2013, , .		0
97	Dealing with Data Sparsity in Drug Named Entity Recognition. , 2013, , .		3
98	Text Mining Supporting Search for Knowledge Discovery in Diabetes. Current Cardiovascular Risk Reports, 2013, 7, 1-8.	2.0	11
99	A method for integrating and ranking the evidence for biochemical pathways by mining reactions from text. Bioinformatics, 2013, 29, i44-i52.	4.1	34
100	News search using discourse analytics. , 2013, , .		12
101	RECOGNISING DISCOURSE CAUSALITY TRIGGERS IN THE BIOMEDICAL DOMAIN. Journal of Bioinformatics and Computational Biology, 2013, 11, 1343008.	0.8	5
102	"Mining events from the literature for bioinformatics applications" by S. Ananiadou, P. Thompson, and R. Nawaz; with Martin Vesely as coordinator. SIGWEB Newsletter: the Newsletter of ACM's Special Interest Group on Hypertext and Hypermedia, 2013, , 1-12.	0.6	1
103	Large-Scale Event Extraction from Literature with Multi-Level Gene Normalization. PLoS ONE, 2013, 8, e55814.	2.5	83
104	Facilitating the Analysis of Discourse Phenomena in an Interoperable NLP Platform. Lecture Notes in Computer Science, 2013, , 559-571.	1.3	22
105	Enhancing Search: Events and Their Discourse Context. Lecture Notes in Computer Science, 2013, , 318-334.	1.3	32
106	Argo: an integrative, interactive, text mining-based workbench supporting curation. Database: the Journal of Biological Databases and Curation, 2012, 2012, bas010-bas010.	3.0	55
107	Event extraction across multiple levels of biological organization. Bioinformatics, 2012, 28, i575-i581.	4.1	107
108	Boosting automatic event extraction from the literature using domain adaptation and coreference resolution. Bioinformatics, 2012, 28, 1759-1765.	4.1	95

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109	ASCOT. , 2012, , .		0
110	Inferring appropriate eligibility criteria in clinical trial protocols without labeled data. , 2012, , .		9
111	Proximity-Based Frameworks for Generating Embeddings from Multi-Output Data. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2012, 34, 2216-2232.	13.9	28
112	Extracting semantically enriched events from biomedical literature. BMC Bioinformatics, 2012, 13, 108.	2.6	52
113	Overview of the ID, EPI and REL tasks of BioNLP Shared Task 2011. BMC Bioinformatics, 2012, 13, S2.	2.6	51
114	ASCOT: a text mining-based web-service for efficient search and assisted creation of clinical trials. BMC Medical Informatics and Decision Making, 2012, 12, S3.	3.0	18
115	Developing Multilingual Text Mining Workflows in UIMA and U-Compare. Lecture Notes in Computer Science, 2012, , 82-93.	1.3	2
116	Adding text mining workflows as web services to the BioCatalogue. , 2012, , .		1
117	U-Compare: A modular NLP workflow construction and evaluation system. IBM Journal of Research and Development, 2011, 55, 11:1-11:10.	3.1	18
118	Using Workflows to Explore and Optimise Named Entity Recognition for Chemistry. PLoS ONE, 2011, 6, e20181.	2.5	18
119	EXTRACTING SECONDARY BIO-EVENT ARGUMENTS WITH EXTRACTION CONSTRAINTS. Computational Intelligence, 2011, 27, 702-721.	3.2	1
120	U-Compare bio-event meta-service: compatible BioNLP event extraction services. BMC Bioinformatics, 2011, 12, 481.	2.6	10
121	Mining metabolites: extracting the yeast metabolome from the literature. Metabolomics, 2011, 7, 94-101.	3.0	37
122	Enriching a biomedical event corpus with meta-knowledge annotation. BMC Bioinformatics, 2011, 12, 393.	2.6	57
123	The BioLexicon: a large-scale terminological resource for biomedical text mining. BMC Bioinformatics, 2011, 12, 397.	2.6	41
124	Detecting experimental techniques and selecting relevant documents for protein-protein interactions from biomedical literature. BMC Bioinformatics, 2011, 12, S11.	2.6	30
125	Applications of text mining within systematic reviews. Research Synthesis Methods, 2011, 2, 1-14.	8.7	146
126	AGRA: analysis of gene ranking algorithms. Bioinformatics, 2011, 27, 1185-1186.	4.1	0

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127	UKPMC: a full text article resource for the life sciences. Nucleic Acids Research, 2011, 39, D58-D65.	14.5	40
128	Automatic extraction of angiogenesis bioprocess from text. Bioinformatics, 2011, 27, 2730-2737.	4.1	12
129	Discovering and visualizing indirect associations between biomedical concepts. Bioinformatics, 2011, 27, i111-i119.	4.1	101
130	Named Entity Recognition for Bacterial Type IV Secretion Systems. PLoS ONE, 2011, 6, e14780.	2.5	17
131	Supporting the education evidence portal via text mining. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 3829-3844.	3.4	11
132	Event extraction for systems biology by text mining the literature. Trends in Biotechnology, 2010, 28, 381-390.	9.3	160
133	Text mining meets workflow: linking U-Compare with Taverna. Bioinformatics, 2010, 26, 2486-2487.	4.1	16
134	PathText: a text mining integrator for biological pathway visualizations. Bioinformatics, 2010, 26, i374-i381.	4.1	47
135	THE VALUE OF AN IN-DOMAIN LEXICON IN GENOMICS QA. Journal of Bioinformatics and Computational Biology, 2010, 08, 147-161.	0.8	6
136	Building a high-quality sense inventory for improved abbreviation disambiguation. Bioinformatics, 2010, 26, 1246-1253.	4.1	41
137	Disambiguating the species of biomedical named entities using natural language parsers. Bioinformatics, 2010, 26, 661-667.	4.1	55
138	Supporting Systematic Reviews Using Text Mining. Social Science Computer Review, 2009, 27, 509-523.	4.2	90
139	Construction of an annotated corpus to support biomedical information extraction. BMC Bioinformatics, 2009, 10, 349.	2.6	73
140	U-Compare: share and compare text mining tools with UIMA. Bioinformatics, 2009, 25, 1997-1998.	4.1	81
141	Highly scalable Text Mining - parallel tagging application. , 2009, , .		4
142	Clinical text classification under the Open and Closed Topic Assumptions. International Journal of Data Mining and Bioinformatics, 2009, 3, 299.	0.1	8
143	Generating Natural Language specifications from UML class diagrams. Requirements Engineering, 2008, 13, 1-18.	3.1	77
144	How to make the most of NE dictionaries in statistical NER. BMC Bioinformatics, 2008, 9, S5.	2.6	29

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145	Accelerating the annotation of sparse named entities by dynamic sentence selection. BMC Bioinformatics, 2008, 9, S8.	2.6	13
146	Normalizing biomedical terms by minimizing ambiguity and variability. BMC Bioinformatics, 2008, 9, S2.	2.6	36
147	FACTA: a text search engine for finding associated biomedical concepts. Bioinformatics, 2008, 24, 2559-2560.	4.1	152
148	Learning string similarity measures for gene/protein name dictionary look-up using logistic regression. Bioinformatics, 2007, 23, 2768-2774.	4.1	81
149	Multi-topic Aspects in Clinical Text Classification. , 2007, , .		7
150	Text mining and its potential applications in systems biology. Trends in Biotechnology, 2006, 24, 571-579.	9.3	281
151	Building an abbreviation dictionary using a term recognition approach. Bioinformatics, 2006, 22, 3089-3095.	4.1	71
152	Thesaurus or Logical Ontology, Which One Do We Need for Text Mining?. Computers and the Humanities, 2005, 39, 77-90.	1.4	19
153	Text mining and ontologies in biomedicine: Making sense of raw text. Briefings in Bioinformatics, 2005, 6, 239-251.	6.5	245
154	Terminology-driven literature mining and knowledge acquisition in biomedicine. International Journal of Medical Informatics, 2002, 67, 33-48.	3.3	32
155	TRUCKS: A Model for Automatic Multi-Word Term Recognition.. Journal of Natural Language Processing, 2001, 8, 101-125.	0.2	25
156	Automatic recognition of multi-word terms:. the C-value/NC-value method. International Journal on Digital Libraries, 2000, 3, 115-130.	1.5	542
157	The C-value/NC-value domain-independent method for multi-word term extraction. Journal of Natural Language Processing, 1999, 6, 145-179.	0.2	135
158	Towards a Linguistic Treatment of Compounds in a Machine Translation Environment. Journal of Natural Language Processing, 1996, 3, 45-66.	0.2	0
159	Terms are not alone: term choice and choice terms. ASLIB Proceedings, 1995, 47, 47-60.	1.2	5
160	Argo as a platform for integrating distinct biodiversity analytics tools into workflows for building graph databases. Biodiversity Information Science and Standards, 0, 1, e20067.	0.0	1
161	On Revolutions. SSRN Electronic Journal, 0, , .	0.4	0