Wendy W Chapman

List of Publications by Year
in descending order

126 papers	6,328 citations	117625 34 h-index	76900 74 g-index
133 all docs	133 docs citations	133 times ranked	5768 citing authors

#	Article	IF	Citations
1	Natural language processing: an introduction. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, 544-551.	4.4	962
2	A Simple Algorithm for Identifying Negated Findings and Diseases in Discharge Summaries. Journal of Biomedical Informatics, 2001, 34, 301-310.	4.3	815
3	What can natural language processing do for clinical decision support?. Journal of Biomedical Informatics, 2009, 42, 760-772.	4.3	466
4	ConText: An algorithm for determining negation, experiencer, and temporal status from clinical reports. Journal of Biomedical Informatics, 2009, 42, 839-851.	4.3	276
5	Using Twitter to Examine Smoking Behavior and Perceptions of Emerging Tobacco Products. Journal of Medical Internet Research, 2013, 15, e174.	4.3	272
6	Overcoming barriers to NLP for clinical text: the role of shared tasks and the need for additional creative solutions. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, 540-543.	4.4	207
7	Using clinical Natural Language Processing for health outcomes research: Overview and actionable suggestions for future advances. Journal of Biomedical Informatics, 2018, 88, 11-19.	4.3	139
8	Using Natural Language Processing to Improve Efficiency of Manual Chart Abstraction in Research: The Case of Breast Cancer Recurrence. American Journal of Epidemiology, 2014, 179, 749-758.	3.4	135
9	iDASH: integrating data for analysis, anonymization, and sharing. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 196-201.	4.4	130
10	Overview of the ShARe/CLEF eHealth Evaluation Lab 2013. Lecture Notes in Computer Science, 2013, , 212-231.	1.3	127
11	Classifying free-text triage chief complaints into syndromic categories with natural language processing. Artificial Intelligence in Medicine, 2005, 33, 31-40.	6.5	112
12	Document-level classification of CT pulmonary angiography reports based on an extension of the ConText algorithm. Journal of Biomedical Informatics, 2011, 44, 728-737.	4.3	112
13	Public sharing of research datasets: A pilot study of associations. Journal of Informetrics, 2010, 4, 148-156.	2.9	108
14	Evaluating the state of the art in disorder recognition and normalization of the clinical narrative. Journal of the American Medical Informatics Association: JAMIA, 2015, 22, 143-154.	4.4	107
15	Classification of Emergency Department Chief Complaints Into 7 Syndromes: A Retrospective Analysis of 527,228 Patients. Annals of Emergency Medicine, 2005, 46, 445-455.	0.6	89
16	SemEval-2014 Task 7: Analysis of Clinical Text. , 2014, , .		89
17	A Comparison of Classification Algorithms to Automatically Identify Chest X-Ray Reports That Support Pneumonia. Journal of Biomedical Informatics, 2001, 34, 4-14.	4.3	80
18	Automated Syndromic Surveillance for the 2002 Winter Olympics: Table 1. Journal of the American Medical Informatics Association: JAMIA, 2003, 10, 547-554.	4.4	79

#	ARTICLE	IF	CITATIONS
19	Developing a natural language processing application for measuring the quality of colonoscopy procedures. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, i150-i156.	4.4	77
20	Implementability of healthcare interventions: an overview of reviews and development of a conceptual framework. Implementation Science, 2022, 17, 10.	6.9	72
21	Fever detection from free-text clinical records for biosurveillance. Journal of Biomedical Informatics, 2004, 37, 120-127.	4.3	63
22	Natural Language Processing to identify pneumonia from radiology reports. Pharmacoepidemiology and Drug Safety, 2013, 22, 834-841.	1.9	60
23	Road Map For Diffusion Of Innovation In Health Care. Health Affairs, 2018, 37, 198-204.	5.2	60
24	Recent Advances in Using Natural Language Processing to Address Public Health Research Questions Using Social Media and ConsumerGenerated Data. Yearbook of Medical Informatics, 2019, 28, 208-217.	1.0	60
25	Coreference resolution: A review of general methodologies and applications in the clinical domain. Journal of Biomedical Informatics, 2011, 44, 1113-1122.	4.3	56
26	Overview of the ShARe/CLEF eHealth Evaluation Lab 2014. Lecture Notes in Computer Science, 2014, , 172-191.	1.3	56
27	Comparative Effectiveness of Carotid Endarterectomy vs Initial Medical Therapy in Patients With Asymptomatic Carotid Stenosis. JAMA Neurology, 2020, 77, 1110.	9.0	54
28	A common type system for clinical natural language processing. Journal of Biomedical Semantics, 2013, 4, 1.	1.6	47
29	Moonstone: a novel natural language processing system for inferring social risk from clinical narratives. Journal of Biomedical Semantics, 2019, 10, 6.	1.6	46
30	Using chief complaints for syndromic surveillance: A review of chief complaint based classifiers in North America. Journal of Biomedical Informatics, 2013, 46, 734-743.	4.3	44
31	Creating a Text Classifier to Detect Radiology Reports Describing Mediastinal Findings Associated with Inhalational Anthrax and Other Disorders. Journal of the American Medical Informatics Association: JAMIA, 2003, 10, 494-503.	4.4	41
32	Identifying respiratory findings in emergency department reports for biosurveillance using MetaMap. Studies in Health Technology and Informatics, 2004, 107, 487-91.	0.3	41
33	Evaluating the effects of machine pre-annotation and an interactive annotation interface on manual de-identification of clinical text. Journal of Biomedical Informatics, 2014, 50, 162-172.	4.3	40
34	Anaphoric relations in the clinical narrative: corpus creation. Journal of the American Medical Informatics Association: JAMIA, 2011, 18, 459-465.	4.4	39
35	Extracting a stroke phenotype risk factor from Veteran Health Administration clinical reports: an information content analysis. Journal of Biomedical Semantics, 2016, 7, 26.	1.6	38
36	Developing a manually annotated clinical document corpus to identify phenotypic information for inflammatory bowel disease. BMC Bioinformatics, 2009, 10, S12.	2.6	37

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37	Current issues in biomedical text mining and natural language processing. Journal of Biomedical Informatics, 2009, 42, 757-759.	4.3	37
38	Extending the NegEx lexicon for multiple languages. Studies in Health Technology and Informatics, 2013, 192, 677-81.	0.3	37
39	Improving performance of natural language processing part-of-speech tagging on clinical narratives through domain adaptation. Journal of the American Medical Informatics Association: JAMIA, 2013, 20, 931-939.	4.4	36
40	Comparison of 2 Natural Language Processing Methods for Identification of Bleeding Among Critically Ill Patients. JAMA Network Open, 2018, 1, e183451.	5.9	36
41	Building an automated SOAP classifier for emergency department reports. Journal of Biomedical Informatics, 2012, 45, 71-81.	4.3	32
42	NLPReViz: an interactive tool for natural language processing on clinical text. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 81-87.	4.4	32
43	A Proposed Framework on Integrating Health Equity and Racial Justice into the Artificial Intelligence Development Lifecycle. Journal of Health Care for the Poor and Underserved, 2021, 32, 300-317.	0.8	32
44	Developing syndrome definitions based on consensus and current use. Journal of the American Medical Informatics Association: JAMIA, 2010, 17, 595-601.	4.4	28
45	A system for coreference resolution for the clinical narrative. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 660-667.	4.4	28
46	Evaluation of preprocessing techniques for chief complaint classification. Journal of Biomedical Informatics, 2008, 41, 613-623.	4.3	27
47	Establishing a multidisciplinary initiative for interoperable electronic health record innovations at an academic medical center. JAMIA Open, 2021, 4, ooab041.	2.0	26
48	Generating a Reliable Reference Standard Set for Syndromic Case Classification. Journal of the American Medical Informatics Association: JAMIA, 2005, 12, 618-629.	4.4	25
49	Implementation and evaluation of a negation tagger in a pipeline-based system for information extract from pathology reports. Studies in Health Technology and Informatics, 2004, 107, 663-7.	0.3	25
50	Heuristic Sample Selection to Minimize Reference Standard Training Set for a Part-Of-Speech Tagger. Journal of the American Medical Informatics Association: JAMIA, 2007, 14, 641-650.	4.4	24
51	Evaluation of training with an annotation schema for manual annotation of clinical conditions from emergency department reports. International Journal of Medical Informatics, 2008, 77, 107-113.	3.3	24
52	An approach to improve LOINC mapping through augmentation of local test names. Journal of Biomedical Informatics, 2012, 45, 651-657.	4.3	24
53	Accuracy of three classifiers of acute gastrointestinal syndrome for syndromic surveillance. Proceedings, 2002, , 345-9.	0.6	23
54	Electronic Interpretation of Chest Radiograph Reports to Detect Central Venous Catheters. Infection Control and Hospital Epidemiology, 2003, 24, 950-954.	1.8	21

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55	Inductive creation of an annotation schema for manually indexing clinical conditions from emergency department reports. Journal of Biomedical Informatics, 2006, 39, 196-208.	4.3	21
56	Effectiveness of Lexico-syntactic Pattern Matching for Ontology Enrichment with Clinical Documents. Methods of Information in Medicine, 2011, 50, 397-407.	1.2	21
57	Interactive NLP in Clinical Care: Identifying Incidental Findings in Radiology Reports. Applied Clinical Informatics, 2019, 10, 655-669.	1.7	20
58	Portable Automated Surveillance of Surgical Site Infections Using Natural Language Processing. Annals of Surgery, 2020, 272, 629-636.	4.2	20
59	Development of Electronic Health Record–Based Prediction Models for 30-Day Readmission Risk Among Patients Hospitalized for Acute Myocardial Infarction. JAMA Network Open, 2021, 4, e2035782.	5.9	20
60	Cue-based assertion classification for Swedish clinical text–Developing a lexicon for pyConTextSwe. Artificial Intelligence in Medicine, 2014, 61, 137-144.	6.5	19
61	Impact of Different Electronic Cohort Definitions to Identify Patients With Atrial Fibrillation From the Electronic Medical Record. Journal of the American Heart Association, 2020, 9, e014527.	3.7	19
62	Automated ancillary cancer history classification for mesothelioma patients from free-text clinical reports. Journal of Pathology Informatics, 2010, 1, 24.	1.7	18
63	Normalizing acronyms and abbreviations to aid patient understanding of clinical texts: ShARe/CLEF eHealth Challenge 2013, Task 2. Journal of Biomedical Semantics, 2016, 7, 43.	1.6	16
64	Adaptation of an NLP system to a new healthcare environment to identify social determinants of health. Journal of Biomedical Informatics, 2021, 120, 103851.	4.3	16
65	Quantifying the Characteristics of Unambiguous Chest Radiography Reports in the Context of Pneumonia. Academic Radiology, 2001, 8, 57-66.	2.5	15
66	BluLab: Temporal Information Extraction for the 2015 Clinical TempEval Challenge. , 2015, , .		15
67	Telehealth and virtual health monitoring in cystic fibrosis. Current Opinion in Pulmonary Medicine, 2021, 27, 544-553.	2.6	14
68	Knowledge Author: facilitating user-driven, domain content development to support clinical information extraction. Journal of Biomedical Semantics, 2016, 7, 42.	1.6	13
69	Toward Vocabulary Control for Chief Complaint. Academic Emergency Medicine, 2008, 15, 476-482.	1.8	12
70	Anaphoric reference in clinical reports: Characteristics of an annotated corpus. Journal of Biomedical Informatics, 2012, 45, 507-521.	4.3	12
71	Use of Computerized Provider Order Entry Events for Postoperative Complication Surveillance. JAMA Surgery, 2019, 154, 311.	4.3	12
72	Semantic annotation of clinical events for generating a problem list. AMIA ... Annual Symposium proceedings, 2013, 2013, 1032-41.	0.2	12

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73	The RODS Open Source Project: removing a barrier to syndromic surveillance. Studies in Health Technology and Informatics, 2004, 107, 1192-6.	0.3	12
74	Determining Onset for Familial Breast and Colorectal Cancer from Family History Comments in the Electronic Health Record. AMIA Summits on Translational Science Proceedings, 2019, 2019, 173-181.	0.4	11
75	Identifying Data Sharing in Biomedical Literature. Nature Precedings, 2008, , .	0.1	9
76	Trends in Low-Value Carotid Imaging in the Veterans Health Administration From 2007 to 2016. JAMA Network Open, 2020, 3, e2015250.	5.9	9
77	Automating tissue bank annotation from pathology reports - comparison to a gold standard expert annotation set. AMIA … Annual Symposium proceedings, 2005, , 460-4.	0.2	9
78	Rapid deployment of an electronic disease surveillance system in the state of Utah for the 2002 Olympic Winter Games. Proceedings, 2002, , 285-9.	0.6	9
79	Recall and bias of retrieving gene expression microarray datasets through PubMed identifiers. Journal of Biomedical Discovery and Collaboration, 2010, 5, 7-20.	2.0	9
80	Chief Complaints and ICD Codes. , 2006, , 333-359.		8
81	ONYX. , 2009, , .		8
82	Data, network, and application: technical description of the Utah RODS Winter Olympic Biosurveillance System. Proceedings, 2002, , 815-9.	0.6	8
83	A comparison of two approaches to text processing: facilitating chart reviews of radiology reports in electronic medical records. Perspectives in Health Information Management / AHIMA, American Health Information Management Association, 2010, 7, 1a.	0.0	8
84	Detecting Evidence of Intra-abdominal Surgical Site Infections from Radiology Reports Using Natural Language Processing. AMIA … Annual Symposium proceedings, 2017, 2017, 515-524.	0.2	8
85	Formative Evaluation of Ontology Learning Methods for Entity Discovery by Using Existing Ontologies as Reference Standards. Methods of Information in Medicine, 2013, 52, 308-316.	1.2	7
86	Natural Language Processing for Biosurveillance. Integrated Series on Information Systems, 2011, , 279-310.	0.1	7
87	Extracting Intrauterine Device Usage from Clinical Texts Using Natural Language Processing. , 2017, , .		6
88	Emergency Medical Services Utilization by Children. Pediatric Emergency Care, 2019, 35, 846-851.	0.9	6
89	Assessing the Feasibility of an Automated Suggestion System for Communicating Critical Findings from Chest Radiology Reports to Referring Physicians. , 2016, , .		6
90	Methodology to develop and evaluate a semantic representation for NLP. AMIA … Annual Symposium proceedings, 2009, 2009, 271-5.	0.2	6

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91	Determination of Marital Status of Patients from Structured and Unstructured Electronic Healthcare Data. AMIA ... Annual Symposium proceedings, 2019, 2019, 267-274.	0.2	6
92	Evaluating the effectiveness of four contextual features in classifying annotated clinical conditions in emergency department reports. AMIA ... Annual Symposium proceedings, 2006, , 141-5.	0.2	5
93	The Rapid Development of Virtual Care Tools in Response to COVID-19: Case Studies in Three Australian Health Services. JMIR Formative Research, 2022, 6, e32619.	1.4	5
94	Natural Language Processing for Biosurveillance. , 2006, , 255-271.		4
95	Distinguishing historical from current problems in clinical reports. , 2009, , .		4
96	Carrell et al. Respond to "Observational Research and the EHR". American Journal of Epidemiology, 2014, 179, 762-763.	3.4	3
97	Documentation of ENDS Use in the Veterans Affairs Electronic Health Record (2008â€"2014). American Journal of Preventive Medicine, 2019, 56, 474-475.	3.0	3
98	Health Informaticsâ€"Ambitions and Purpose. Frontiers in Digital Health, 2019, 1, 2.	2.8	3
99	Examining the Interfacility Variation of Social Determinants of Health in the Veterans Health Administration. , 2021, 38, 15-19.		3
100	Using Natural Language Processing to improve EHR Structured Data-based Surgical Site Infection Surveillance. AMIA ... Annual Symposium proceedings, 2019, 2019, 794-803.	0.2	3
101	Generality and reuse in a common type system for clinical natural language processing. , 2011, , .		2
102	Mo1110 Quality Improvement Natural Language Processing Colonoscopy Evaluation Tool (QUINCE): A Flexible, Portable Tool to Extract Pathology Results for Colonoscopy Quality Reporting. Gastroenterology, 2016, 150, S637.	1.3	2
103	An Interactive NLP Tool for Signout Note Preparation. , 2018, , .		2
104	Temporal annotation of clinical text. , 2008, , .		2
105	Evaluating syndrome definitions in the extended syndromic surveillance ontology. Emerging Health Threats Journal, 2011, 4, .	3.0	2
106	#wheezing: A Content Analysis of Asthma-Related Tweets. Online Journal of Public Health Informatics, 2013, 5, .	0.7	2
107	Understanding Inter-rater Disagreement: A Mixed Methods Approach. AMIA ... Annual Symposium proceedings, 2010, 2010, 81-5.	0.2	2
108	Analysis of False Positive Errors of an Acute Respiratory Infection Text Classifier due to Contextual Features. Summit on Translational Bioinformatics, 2010, 2010, 56-60.	0.7	2

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109	Developing a manually annotated clinical document corpus to identify phenotypic information for inflammatory bowel disease. Summit on Translational Bioinformatics, 2009, 2009, 1-32.	0.7	2
110	Using open access literature to guide full-text query formulation. Nature Precedings, 2010, , .	0.1	1
111	Development and Validation of a Natural Language Processing Computer Program to Evaluate the Quality of Colonoscopy Reports. Gastroenterology, 2011, 140, S-413.	1.3	1
112	Developing a web-based SKOS editor. Journal of Biomedical Semantics, 2016, 7, 5.	1.6	1
113	Abstract WMP92: Towards High-Precision Stroke Classification Using Natural Language Processing. Stroke, 2018, 49, .	2.0	1
114	Generating Patient Problem Lists from the ShARe Corpus using SNOMED CT/SNOMED CT CORE Problem List. , 2014, , .		1
115	Annotating the Clinical Text – MiPACQ, ShARe, SHARPn and THYME Corpora. , 2017, , 1357-1378.		1
116	Envisioning a data reuse registry. Nature Precedings, 2008, , .	0.1	0
117	Does Domain Knowledge Matter for Assertion Annotation in Clinical Texts?. , 2012, , .		0
118	The Frequency of ConText Lexical Items in Diverse Medical Texts. , 2012, , .		0
119	Tu1002 - Administrative Billing Codes do not Accurately Identify Dysphagia Indications for EGD Procedures: Implications for Classifying Overuse and Quality Measurement. Gastroenterology, 2018, 154, S-886-S-887.	1.3	0
120	Association of Marital Status with Health Care Utilization after Complex Surgical Procedures. Journal of the American College of Surgeons, 2019, 229, e27.	0.5	0
121	Bayesian Networks for Detection of Postoperative Health Care-Associated Infections Using Electronic Health Care Record Data. Journal of the American College of Surgeons, 2019, 229, e27.	0.5	0
122	An ISDS-Based Initiative for Conventions for Biosurveillance Data Analysis Methods. Online Journal of Public Health Informatics, 2013, 5, .	0.7	0
123	Classifying Supporting, Refuting, or Uncertain Evidence for Pneumonia Case Review. Online Journal of Public Health Informatics, 2015, 7, .	0.7	0
124	Extending an Uncertainty Taxonomy for Suspected Pneumonia Case Review. Online Journal of Public Health Informatics, 2016, 8, .	0.7	0
125	Esophagogastroduodenoscopy Use in the National Veteran Population: A Minority of Patients Account for the Majority of Procedures. American Journal of Gastroenterology, 2016, 111, S158-S159.	0.4	0
126	Natural Language Processing Accurately Identifies Dysphagia Indications for Esophagogastroduodenoscopy Procedures in a Large US Integrated Healthcare System: Implications for Classifying Overuse and Quality Measurement. AMIA Summits on Translational Science Proceedings, 2019, 2019, 665-671.	0.4	0