Trevor A Cohen

List of Publications by Year in descending order

99 papers	2,043 citations	279701 23 h-index	289141 40 g-index
111 all docs	111 docs citations	111 times ranked	2247 citing authors

#	ARTICLE	IF	CITATIONS
1	Considering complexity in healthcare systems. Journal of Biomedical Informatics, 2011, 44, 943-947.	2.5	252
2	Empirical distributional semantics: Methods and biomedical applications. Journal of Biomedical Informatics, 2009, 42, 390-405.	2.5	161
3	Enhancing clinical concept extraction with distributional semantics. Journal of Biomedical Informatics, 2012, 45, 129-140.	2.5	89
4	Reflective Random Indexing and indirect inference: A scalable method for discovery of implicit connections. Journal of Biomedical Informatics, 2010, 43, 240-256.	2.5	87
5	A cognitive blueprint of collaboration in context: Distributed cognition in the psychiatric emergency department. Artificial Intelligence in Medicine, 2006, 37, 73-83.	3.8	79
6	Identifying plausible adverse drug reactions using knowledge extracted from the literature. Journal of Biomedical Informatics, 2014, 52, 293-310.	2.5	60
7	Understanding the nature of information seeking behavior in critical care: Implications for the design of health information technology. Artificial Intelligence in Medicine, 2013, 57, 21-29.	3.8	58
8	The Semantic Vectors Package: New Algorithms and Public Tools for Distributional Semantics. , 2010, , .		57
9	Discovering discovery patterns with predication-based Semantic Indexing. Journal of Biomedical Informatics, 2012, 45, 1049-1065.	2.5	57
10	Reasoning with vectors: A continuous model for fast robust inference. Logic Journal of the IGPL, 2015, 23, 141-173.	1.3	56
11	New perspectives on error in critical care. Current Opinion in Critical Care, 2008, 14, 456-459.	1.6	55
12	DataMed â€" an open source discovery index for finding biomedical datasets. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 300-308.	2.2	54
13	Recovery at the edge of error: Debunking the myth of the infallible expert. Journal of Biomedical Informatics, 2011, 44, 413-424.	2.5	48
14	Content-Driven Analysis of an Online Community for Smoking Cessation: Integration of Qualitative Techniques, Automated Text Analysis, and Affiliation Networks. American Journal of Public Health, 2015, 105, 1206-1212.	1.5	45
15	Making sense: Sensor-based investigation of clinician activities in complex critical care environments. Journal of Biomedical Informatics, 2011, 44, 441-454.	2.5	43
16	In Pursuit of Theoretical Ground in Behavior Change Support Systems: Analysis of Peer-to-Peer Communication in a Health-Related Online Community. Journal of Medical Internet Research, 2016, 18, e28.	2.1	42
17	EpiphaNet: An Interactive Tool to Support Biomedical Discoveries. Journal of Biomedical Discovery and Collaboration, 2010, 5, 21-49.	2.0	40
18	Customizing clinical narratives for the electronic medical record interface using cognitive methods. International Journal of Medical Informatics, 2006, 75, 346-368.	1.6	34

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19	Embedding of semantic predications. Journal of Biomedical Informatics, 2017, 68, 150-166.	2.5	32
20	SCOR: A secure international informatics infrastructure to investigate COVID-19. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1721-1726.	2.2	31
21	Simulating expert clinical comprehension: Adapting latent semantic analysis to accurately extract clinical concepts from psychiatric narrative. Journal of Biomedical Informatics, 2008, 41, 1070-1087.	2.5	29
22	Reflective random indexing for semi-automatic indexing of the biomedical literature. Journal of Biomedical Informatics, 2010, 43, 694-700.	2.5	28
23	A publicly available benchmark for biomedical dataset retrieval: the reference standard for the 2016 bioCADDIE dataset retrieval challenge. Database: the Journal of Biological Databases and Curation, 2017, 2017, .	1.4	26
24	Finding meaning in social media: content-based social network analysis of QuitNet to identify new opportunities for health promotion. Studies in Health Technology and Informatics, 2013, 192, 807-11.	0.2	26
25	Extracting genetic alteration information for personalized cancer therapy from ClinicalTrials.gov. Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 750-757.	2.2	23
26	Information retrieval for biomedical datasets: the 2016 bioCADDIE dataset retrieval challenge. Database: the Journal of Biological Databases and Curation, 2017, 2017, .	1.4	22
27	Behavioral Activation and Depression Symptomatology: Longitudinal Assessment of Linguistic Indicators in Text-Based Therapy Sessions. Journal of Medical Internet Research, 2021, 23, e28244.	2.1	19
28	Automated identification of molecular effects of drugs (AIMED). Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 758-765.	2.2	18
29	Cost-aware active learning for named entity recognition in clinical text. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 1314-1322.	2.2	18
30	Avatar-based simulation in the evaluation of diagnosis and management of mental health disorders in primary care. Journal of Biomedical Informatics, 2012, 45, 1137-1150.	2.5	17
31	Measuring content overlap during handoff communication using distributional semantics: An exploratory study. Journal of Biomedical Informatics, 2017, 65, 132-144.	2.5	17
32	Finding Schizophrenia's Prozac Emergent Relational Similarity in Predication Space. Lecture Notes in Computer Science, 2011, , 48-59.	1.0	17
33	Reevaluating Recovery: Perceived Violations and Preemptive Interventions on Emergency Psychiatry Rounds. Journal of the American Medical Informatics Association: JAMIA, 2007, 14, 312-319.	2.2	16
34	An active learning-enabled annotation system for clinical named entity recognition. BMC Medical Informatics and Decision Making, 2017, 17, 82.	1.5	16
35	Learning predictive models of drug side-effect relationships from distributed representations of literature-derived semantic predications. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 1339-1350.	2.2	16
36	MEDRank: Using graph-based concept ranking to index biomedical texts. International Journal of Medical Informatics, 2011, 80, 431-441.	1.6	14

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37	Mobile RDoC: Using Smartphones to Understand the Relationship Between Auditory Verbal Hallucinations and Need for Care. Schizophrenia Bulletin Open, 2020, 1, sgaa060.	0.9	14
38	Predication-based semantic indexing: permutations as a means to encode predications in semantic space. AMIA ... Annual Symposium proceedings, 2009, 2009, 114-8.	0.2	14
39	Discovery by scent: Discovery browsing system based on the Information Foraging Theory. , 2012, , .		13
40	Real, Complex, and Binary Semantic Vectors. Lecture Notes in Computer Science, 2012, , 24-35.	1.0	13
41	Social Media as a Research Tool (SMaaRT) for Risky Behavior Analytics: Methodological Review. JMIR Public Health and Surveillance, 2020, 6, e21660.	1.2	13
42	Many Paths Lead to Discovery: Analogical Retrieval of Cancer Therapies. Lecture Notes in Computer Science, 2012, , 90-101.	1.0	11
43	Discovery at a distance: Farther journeys in predication space. , 2012, , .		10
44	Using Empirically Constructed Lexical Resources for Named Entity Recognition. Biomedical Informatics Insights, 2013, 6s1, BII.S11664.	4.6	10
45	Using Ontology Fingerprints to disambiguate gene name entities in the biomedical literature. Database: the Journal of Biological Databases and Curation, 2015, 2015, bav034-bav034.	1.4	9
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#	ARTICLE	IF	CITATIONS
55	Complementing Observational Signals with Literature-Derived Distributed Representations for Post-Marketing Drug Surveillance. Drug Safety, 2020, 43, 67-77.	1.4	7
56	Reading the written language environment: Learning orthographic structure from statistical regularities. Journal of Memory and Language, 2020, 114, 104148.	1.1	7
57	Content-specific network analysis of peer-to-peer communication in an online community for smoking cessation. AMIA ... Annual Symposium proceedings, 2016, 2016, 934-943.	0.2	7
58	Adapting Word Embeddings from Multiple Domains to Symptom Recognition from Psychiatric Notes. AMIA Summits on Translational Science Proceedings, 2018, 2017, 281-289.	0.4	7
59	Mining HPV Vaccine Knowledge Structures of Young Adults From Reddit Using Distributional Semantics and Pathfinder Networks. Cancer Control, 2020, 27, 107327481989144.	0.7	6
60	Leveraging Social Media for Health Promotion and Behavior Change: Methods of Analysis and Opportunities for Intervention. Computers in Health Care, 2017, , 315-345.	0.2	6
61	Semantic Vector Combinations and the Synoptic Gospels. Lecture Notes in Computer Science, 2009, , 251-265.	1.0	6
62	Content-Sensitive Characterization of Peer Interactions of Highly Engaged Users in an Online Community for Smoking Cessation: Mixed-Methods Approach for Modeling User Engagement in Health Promotion Interventions. Journal of Participatory Medicine, 2018, 10, e9.	0.7	6
63	Retrofitting Concept Vector Representations of Medical Concepts to Improve Estimates of Semantic Similarity and Relatedness. Studies in Health Technology and Informatics, 2017, 245, 657-661.	0.2	6
64	Graph-based signal integration for high-throughput phenotyping. BMC Bioinformatics, 2012, 13, S2.	1.2	5
65	A Distributional Semantics Approach to Simultaneous Recognition of Multiple Classes of Named Entities. Lecture Notes in Computer Science, 2010, , 224-235.	1.0	5
66	Orthogonality and Orthography: Introducing Measured Distance into Semantic Space. Lecture Notes in Computer Science, 2014, , 34-46.	1.0	5
67	Predicting Adverse Drug-Drug Interactions with Neural Embedding of Semantic Predications. AMIA ... Annual Symposium proceedings, 2019, 2019, 992-1001.	0.2	5
68	A Comparison of Natural Language Processing Methods for the Classification of Lumbar Spine Imaging Findings Related to Lower Back Pain. Academic Radiology, 2022, 29, S188-S200.	1.3	5
69	Evaluating the effects of cognitive support on psychiatric clinical comprehension. Artificial Intelligence in Medicine, 2014, 62, 91-104.	3.8	4
70	Exploring dangerous neighborhoods: latent semantic analysis and computing beyond the bounds of the familiar. AMIA ... Annual Symposium proceedings, 2005, , 151-5.	0.2	4
71	Approaching the limits of knowledge: the influence of priming on error detection in simulated clinical rounds. AMIA ... Annual Symposium proceedings, 2011, 2011, 1155-64.	0.2	4
72	Hyperdimensional computing approach to word sense disambiguation. AMIA ... Annual Symposium proceedings, 2012, 2012, 1129-38.	0.2	4

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73	Literature-Based Discovery of Confounding in Observational Clinical Data. AMIA ... Annual Symposium proceedings, 2016, 2016, 1920-1929.	0.2	4
74	Characterization of Temporal Semantic Shifts of Peer-to-Peer Communication in a Health-Related Online Community: Implications for Data-driven Health Promotion. AMIA ... Annual Symposium proceedings, 2016, 2016, 1977-1986.	0.2	4
75	: Distributed Representations of Adverse Event Reporting System Data as a Means to Identify Drug/Side-Effect Associations. AMIA ... Annual Symposium proceedings, 2019, 2019, 717-726.	0.2	4
76	Augmenting aer2vec: Enriching distributed representations of adverse event report data with orthographic and lexical information. Journal of Biomedical Informatics, 2021, 119, 103833.	2.5	3
77	Sub-optimal Patterns of Information Use: A Rational Analysis of Information Seeking Behavior in Critical Care. Computers in Health Care, 2014, , 389-408.	0.2	3
78	Exploring MEDLINE space with random indexing and pathfinder networks. AMIA ... Annual Symposium proceedings, 2008, , 126-30.	0.2	3
79	Re-thinking Complexity in the Critical Care Environment. Computers in Health Care, 2014, , 343-355.	0.2	2
80	Expansion-by-Analogy: A Vector Symbolic Approach to Semantic Search. Lecture Notes in Computer Science, 2015, , 54-66.	1.0	2
81	Orthogonality and Orthography: Introducing Measured Distance into Semantic Space. Lecture Notes in Computer Science, 2014, , 34-46.	1.0	2
82	Graded Vector Representations of Immunoglobulins Produced in Response to West Nile Virus. Lecture Notes in Computer Science, 2017, , 135-148.	1.0	2
83	Cost-sensitive Active Learning for Phenotyping of Electronic Health Records. AMIA Summits on Translational Science Proceedings, 2019, 2019, 829-838.	0.4	2
84	Predicting biomedical document access as a function of past use. Journal of the American Medical Informatics Association: JAMIA, 2012, 19, 473-478.	2.2	1
85	Rapamycinâ€â^â€mTORâ€+â€BRAFâ€=â€? Using relational similarity to find therapeutically relevant drug-gene relationships in unstructured text. Journal of Biomedical Informatics, 2019, 90, 103094.	2.5	1
86	Complexity and Errors in Critical Care. Computers in Health Care, 2014, , 1-13.	0.2	1
87	A Framework for Understanding Error and Complexity in Critical Care. Computers in Health Care, 2014, , 17-34.	0.2	1
88	Clinical Implications of Cognitive Complexity in Critical Care. Computers in Health Care, 2014, , 423-440.	0.2	1
89	Effective Use of Clinical Decision Support in Critical Care: Using Risk Assessment Framework for Evaluation of a Computerized Weaning Protocol. Annals of Information Systems, 2016, , 217-232.	0.5	1
90	Pragmatics to Reveal Intent in Social Media Peer Interactions: Mixed Methods Study. Journal of Medical Internet Research, 2021, 23, e32167.	2.1	1

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91	Standard Solutions for Complex Settings: The Idiosyncrasies of a Weaning Protocol Use in Practice. Computers in Health Care, 2014, , 183-202.	0.2	1
92	Embedding Probabilities in Predication Space with Hermitian Holographic Reduced Representations. Lecture Notes in Computer Science, 2016, , 245-257.	1.0	1
93	The Portrayal of Quit Emotions: Content-Sensitive Analysis of Peer Interactions in an Online Community for Smoking Cessation. Lecture Notes in Computer Science, 2018, , 253-262.	1.0	1
94	Temporal Trends of Psychosociobehavioral Factors Underlying Tobacco Use: A Semi-Automated Exploratory Analysis of Peer-to-Peer Communication in a Health-Related Online Community. Studies in Health Technology and Informatics, 2017, 237, 123-129.	0.2	1
95	The Centroid Cannot Hold: Comparing Sequential and Global Estimates of Coherence as Indicators of Formal Thought Disorder. AMIA … Annual Symposium proceedings, 2020, 2020, 1315-1324.	0.2	1
96	Retrofitting Vector Representations of Adverse Event Reporting Data to Structured Knowledge to Improve Pharmacovigilance Signal Detection. AMIA … Annual Symposium proceedings, 2020, 2020, 383-392.	0.2	1
97	The trajectory of scientific discovery: concept co-occurrence and converging semantic distance. Studies in Health Technology and Informatics, 2010, 160, 661-5.	0.2	1
98	Geometric Representations in Biomedical Informatics: Applications in Automated Text Analysis. , 2014, , 99-139.		0
99	Transitions Between Electronic and Combustible Cigarettes: A Mixed Methods Analysis of Peer Interactions in an Online Community for Tobacco Cessation. Studies in Health Technology and Informatics, 2021, 281, 1004-1008.	0.2	0