

Trevor A Cohen

List of Publications by Year in descending order

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Version: 2024-02-01

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	A Comparison of Natural Language Processing Methods for the Classification of Lumbar Spine Imaging Findings Related to Lower Back Pain. <i>Academic Radiology</i> , 2022, 29, S188-S200.	1.3	5
2	Fully automated detection of formal thought disorder with Time-series Augmented Representations for Detection of Incoherent Speech (TARDIS). <i>Journal of Biomedical Informatics</i> , 2022, 126, 103998.	2.5	8
3	Mixed-methods evaluation of three natural language processing modeling approaches for measuring documented goals-of-care discussions in the electronic health record. <i>Journal of Pain and Symptom Management</i> , 2022, 63, e713-e723.	0.6	9
4	Transitions Between Electronic and Combustible Cigarettes: A Mixed Methods Analysis of Peer Interactions in an Online Community for Tobacco Cessation. <i>Studies in Health Technology and Informatics</i> , 2021, 281, 1004-1008.	0.2	0
5	Using computable knowledge mined from the literature to elucidate confounders for EHR-based pharmacovigilance. <i>Journal of Biomedical Informatics</i> , 2021, 117, 103719.	2.5	8
6	Perceived Utility and Characterization of Personal Google Search Histories to Detect Data Patterns Proximal to a Suicide Attempt in Individuals Who Previously Attempted Suicide: Pilot Cohort Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e27918.	2.1	8
7	Augmenting aer2vec: Enriching distributed representations of adverse event report data with orthographic and lexical information. <i>Journal of Biomedical Informatics</i> , 2021, 119, 103833.	2.5	3
8	Behavioral Activation and Depression Symptomatology: Longitudinal Assessment of Linguistic Indicators in Text-Based Therapy Sessions. <i>Journal of Medical Internet Research</i> , 2021, 23, e28244.	2.1	19
9	Pragmatics to Reveal Intent in Social Media Peer Interactions: Mixed Methods Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e32167.	2.1	1
10	Complementing Observational Signals with Literature-Derived Distributed Representations for Post-Marketing Drug Surveillance. <i>Drug Safety</i> , 2020, 43, 67-77.	1.4	7
11	Mining HPV Vaccine Knowledge Structures of Young Adults From Reddit Using Distributional Semantics and Pathfinder Networks. <i>Cancer Control</i> , 2020, 27, 107327481989144.	0.7	6
12	Reading the written language environment: Learning orthographic structure from statistical regularities. <i>Journal of Memory and Language</i> , 2020, 114, 104148.	1.1	7
13	SCOR: A secure international informatics infrastructure to investigate COVID-19. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 1721-1726.	2.2	31
14	Social Media as a Research Tool (SMaaRT) for Risky Behavior Analytics: Methodological Review. <i>JMIR Public Health and Surveillance</i> , 2020, 6, e21660.	1.2	13
15	Mobile RDoC: Using Smartphones to Understand the Relationship Between Auditory Verbal Hallucinations and Need for Care. <i>Schizophrenia Bulletin Open</i> , 2020, 1, sgaa060.	0.9	14
16	The Centroid Cannot Hold: Comparing Sequential and Global Estimates of Coherence as Indicators of Formal Thought Disorder. <i>AMIA ... Annual Symposium proceedings</i> , 2020, 2020, 1315-1324.	0.2	1
17	Retrofitting Vector Representations of Adverse Event Reporting Data to Structured Knowledge to Improve Pharmacovigilance Signal Detection. <i>AMIA ... Annual Symposium proceedings</i> , 2020, 2020, 383-392.	0.2	1
18	Cost-aware active learning for named entity recognition in clinical text. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2019, 26, 1314-1322.	2.2	18

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19	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
20	Cost-sensitive Active Learning for Phenotyping of Electronic Health Records. AMIA Summits on Translational Science Proceedings, 2019, 2019, 829-838.	0.4	2
21	Predicting Adverse Drug-Drug Interactions with Neural Embedding of Semantic Predications. AMIA ... Annual Symposium proceedings, 2019, 2019, 992-1001.	0.2	5
22	: 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
23	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
24	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
25			

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37	Temporal Trends of Psychosociobehavioral Factors Underlying Tobacco Use: A Semi-Automated Exploratory Analysis of Peer-to-Peer Communication in a Health-Related Online Community. <i>Studies in Health Technology and Informatics</i> , 2017, 237, 123-129.	0.2	1
38	Retrofitting Concept Vector Representations of Medical Concepts to Improve Estimates of Semantic Similarity and Relatedness. <i>Studies in Health Technology and Informatics</i> , 2017, 245, 657-661.	0.2	6
39	Extracting genetic alteration information for personalized cancer therapy from ClinicalTrials.gov. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2016, 23, 750-757.	2.2	23
40	Automated identification of molecular effects of drugs (AIMED). <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2016, 23, 758-765.	2.2	18
41	Effective Use of Clinical Decision Support in Critical Care: Using Risk Assessment Framework for Evaluation of a Computerized Weaning Protocol. <i>Annals of Information Systems</i> , 2016, , 217-232.	0.5	1
42	In Pursuit of Theoretical Ground in Behavior Change Support Systems: Analysis of Peer-to-Peer Communication in a Health-Related Online Community. <i>Journal of Medical Internet Research</i> , 2016, 18, e28.	2.1	42
43	Embedding Probabilities in Predication Space with Hermitian Holographic Reduced Representations. <i>Lecture Notes in Computer Science</i> , 2016, , 245-257.	1.0	1
44	Literature-Based Discovery of Confounding in Observational Clinical Data. <i>AMIA ... Annual Symposium proceedings</i> , 2016, 2016, 1920-1929.	0.2	4
45	Classification-by-Analogy: Using Vector Representations of Implicit Relationships to Identify Plausibly Causal Drug/Side-effect Relationships. <i>AMIA ... Annual Symposium proceedings</i> , 2016, 2016, 1940-1949.	0.2	9
46	Content-specific network analysis of peer-to-peer communication in an online community for smoking cessation. <i>AMIA ... Annual Symposium proceedings</i> , 2016, 2016, 934-943.	0.2	7
47	Characterization of Temporal Semantic Shifts of Peer-to-Peer Communication in a Health-Related Online Community: Implications for Data-driven Health Promotion. <i>AMIA ... Annual Symposium proceedings</i> , 2016, 2016, 1977-1986.	0.2	4
48	Using Ontology Fingerprints to disambiguate gene name entities in the biomedical literature. <i>Database: the Journal of Biological Databases and Curation</i> , 2015, 2015, bav034-bav034.	1.4	9
49	Content-Driven Analysis of an Online Community for Smoking Cessation: Integration of Qualitative Techniques, Automated Text Analysis, and Affiliation Networks. <i>American Journal of Public Health</i> , 2015, 105, 1206-1212.	1.5	45
50	Reasoning with vectors: A continuous model for fast robust inference. <i>Logic Journal of the IGPL</i> , 2015, 23, 141-173.	1.3	56
51	Expansion-by-Analogy: A Vector Symbolic Approach to Semantic Search. <i>Lecture Notes in Computer Science</i> , 2015, , 54-66.	1.0	2
52	Evaluating the effects of cognitive support on psychiatric clinical comprehension. <i>Artificial Intelligence in Medicine</i> , 2014, 62, 91-104.	3.8	4
53	Identifying plausible adverse drug reactions using knowledge extracted from the literature. <i>Journal of Biomedical Informatics</i> , 2014, 52, 293-310.	2.5	60
54	Geometric Representations in Biomedical Informatics: Applications in Automated Text Analysis. , 2014, , 99-139.		0

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55	Complexity and Errors in Critical Care. Computers in Health Care, 2014, , 1-13.	0.2	1
56	Re-thinking Complexity in the Critical Care Environment. Computers in Health Care, 2014, , 343-355.	0.2	2
57	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
58	A Framework for Understanding Error and Complexity in Critical Care. Computers in Health Care, 2014, , 17-34.	0.2	1
59	Clinical Implications of Cognitive Complexity in Critical Care. Computers in Health Care, 2014, , 423-440.	0.2	1
60	Orthogonality and Orthography: Introducing Measured Distance into Semantic Space. Lecture Notes in Computer Science, 2014, , 34-46.	1.0	5
61	Orthogonality and Orthography: Introducing Measured Distance into Semantic Space. Lecture Notes in Computer Science, 2014, , 34-46.	1.0	2
62	Standard Solutions for Complex Settings: The Idiosyncrasies of a Weaning Protocol Use in Practice. Computers in Health Care, 2014, , 183-202.	0.2	1
63	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
64	Using Empirically Constructed Lexical Resources for Named Entity Recognition. Biomedical Informatics Insights, 2013, 6s1, BII.S11664.	4.6	10
65	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
66	Discovery at a distance: Farther journeys in predication space. , 2012, , .		10
67	Discovery by scent: Discovery browsing system based on the Information Foraging Theory. , 2012, , .		13
68	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
69	Discovering discovery patterns with predication-based Semantic Indexing. Journal of Biomedical Informatics, 2012, 45, 1049-1065.	2.5	57
70	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
71	Graph-based signal integration for high-throughput phenotyping. BMC Bioinformatics, 2012, 13, S2.	1.2	5
72	Enhancing clinical concept extraction with distributional semantics. Journal of Biomedical Informatics, 2012, 45, 129-140.	2.5	89

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73	Real, Complex, and Binary Semantic Vectors. Lecture Notes in Computer Science, 2012, , 24-35.	1.0	13
74	Many Paths Lead to Discovery: Analogical Retrieval of Cancer Therapies. Lecture Notes in Computer Science, 2012, , 90-101.	1.0	11
75	Deterministic binary vectors for efficient automated indexing of MEDLINE/PubMed abstracts. AMIA ... Annual Symposium proceedings, 2012, 2012, 940-9.	0.2	9
76	Hyperdimensional computing approach to word sense disambiguation. AMIA ... Annual Symposium proceedings, 2012, 2012, 1129-38.	0.2	4
77	MEDRank: Using graph-based concept ranking to index biomedical texts. International Journal of Medical Informatics, 2011, 80, 431-441.	1.6	14
78	Recovery at the edge of error: Debunking the myth of the infallible expert. Journal of Biomedical Informatics, 2011, 44, 413-424.	2.5	48
79	Making sense: Sensor-based investigation of clinician activities in complex critical care environments. Journal of Biomedical Informatics, 2011, 44, 441-454.	2.5	43
80	Considering complexity in healthcare systems. Journal of Biomedical Informatics, 2011, 44, 943-947.	2.5	252
81	Finding Schizophrenia's Prozac Emergent Relational Similarity in Predication Space. Lecture Notes in Computer Science, 2011, , 48-59.	1.0	17
82	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
83	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
84	Reflective random indexing for semi-automatic indexing of the biomedical literature. Journal of Biomedical Informatics, 2010, 43, 694-700.	2.5	28
85	The Semantic Vectors Package: New Algorithms and Public Tools for Distributional Semantics. , 2010, , .		57
86	Abductive Reasoning and Similarity: Some Computational Tools. , 2010, , 189-211.		8
87	A Distributional Semantics Approach to Simultaneous Recognition of Multiple Classes of Named Entities. Lecture Notes in Computer Science, 2010, , 224-235.	1.0	5
88	EpiphaNet: An Interactive Tool to Support Biomedical Discoveries. Journal of Biomedical Discovery and Collaboration, 2010, 5, 21-49.	2.0	40
89	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
90	Empirical distributional semantics: Methods and biomedical applications. Journal of Biomedical Informatics, 2009, 42, 390-405.	2.5	161

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91	Semantic Vector Combinations and the Synoptic Gospels. Lecture Notes in Computer Science, 2009, , 251-265.	1.0	6
92	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
93	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
94	New perspectives on error in critical care. Current Opinion in Critical Care, 2008, 14, 456-459.	1.6	55
95	Exploring MEDLINE space with random indexing and pathfinder networks. AMIA ... Annual Symposium proceedings, 2008, , 126-30.	0.2	3
96	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
97	Customizing clinical narratives for the electronic medical record interface using cognitive methods. International Journal of Medical Informatics, 2006, 75, 346-368.	1.6	34
98	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
99	Exploring dangerous neighborhoods: latent semantic analysis and computing beyond the bounds of the familiar. AMIA ... Annual Symposium proceedings, 2005, , 151-5.	0.2	4