Stanley C Ahalt

List of Publications by Year
in descending order

19 papers	893 citations	1163117 8 h-index	940533 16 g-index
21 all docs	21 docs citations	21 times ranked	462 citing authors

#	ARTICLE	IF	CITATIONS
1	Development and Application of an Open Tool for Sharing and Analyzing Integrated Clinical and Environmental Exposures Data: Asthma Use Case. JMIR Formative Research, 2022, 6, e32357.	1.4	3
2	Translator Exposure APIs: Open Access to Data on Airborne Pollutant Exposures, Roadway Exposures, and Socio-Environmental Exposures and Use Case Application. International Journal of Environmental Research and Public Health, 2020, 17, 5243.	2.6	5
3	FHIR PIT: an open software application for spatiotemporal integration of clinical data and environmental exposures data. BMC Medical Informatics and Decision Making, 2020, 20, 53.	3.0	15
4	Visualization Environment for Federated Knowledge Graphs: Development of an Interactive Biomedical Query Language and Web Application Interface. JMIR Medical Informatics, 2020, 8, e17964.	2.6	12
5	Clinical Data: Sources and Types, Regulatory Constraints, Applications. Clinical and Translational Science, 2019, 12, 329-333.	3.1	20
6	A novel approach for exposing and sharing clinical data: the Translator Integrated Clinical and Environmental Exposures Service. Journal of the American Medical Informatics Association: JAMIA, 2019, 26, 1064-1073.	4.4	21
7	Sex, obesity, diabetes, and exposure to particulate matter among patients with severe asthma: Scientific insights from a comparative analysis of open clinical data sources during a five-day hackathon. Journal of Biomedical Informatics, 2019, 100, 103325.	4.3	22
8	A New Framework and Prototype Solution for Clinical Decision Support and Research in Genomics and Other Data-intensive Fields of Medicine. EGEMS (Washington, DC), 2017, 4, 6.	2.0	7
9	Clustering in wavelet domain: A multiresolution ART network for anomaly detection. AICHE Journal, 2004, 50, 2455-2466.	3.6	23
10	Class separability estimation and incremental learning using boundary methods. Neurocomputing, 2000, 35, 3-26.	5.9	7
11	Boundary Methods for Distribution Analysis. , 1997, , 173-197.		2
12	Variability in the production of quantal vowels revisited. Journal of the Acoustical Society of America, 1995, 97, 471-490.	1.1	50
13	Fuzzy control for robotic power grasp. Advanced Robotics, 1994, 9, 535-546.	1.8	7
14	Implementation of a vector quantization codebook design technique based on a competitive learning artificial neural network. Journal of Supercomputing, 1992, 5, 307-330.	3.6	0
15	The neural shell: A neural network simulation tool. Engineering Applications of Artificial Intelligence, 1992, 5, 183-192.	8.1	5
16	Power grasp force distribution control using artificial neural networks. Journal of Field Robotics, 1992, 9, 635-661.	0.7	11
17	Compiled instruction set simulation. Software - Practice and Experience, 1991, 21, 877-889.	3.6	44
18	Competitive learning algorithms for vector quantization. Neural Networks, 1990, 3, 277-290.	5.9	639

#	Article	IF	Citations
19	Leveraging Open Electronic Health Record Data and Environmental Exposures Data to Derive Insights Into Rare Pulmonary Disease. Frontiers in Artificial Intelligence, 0, 5, .	3.4	0