Stanley C Ahalt

List of Publications by Year
in descending order

19	893	1163117 8	940533 16
papers	citations	h-index	g-index

21	21	21	462
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Competitive learning algorithms for vector quantization. Neural Networks, 1990, 3, 277-290.	5.9	639
2	Variability in the production of quantal vowels revisited. Journal of the Acoustical Society of America, 1995, 97, 471-490.	1.1	50
3	Compiled instruction set simulation. Software - Practice and Experience, 1991, 21, 877-889.	3.6	44
4	Clustering in wavelet domain: A multiresolution ART network for anomaly detection. AICHE Journal, 2004, 50, 2455-2466.	3.6	23
5	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
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	Clinical Data: Sources and Types, Regulatory Constraints, Applications. Clinical and Translational Science, 2019, 12, 329-333.	3.1	20
8	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
9	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
10	Power grasp force distribution control using artificial neural networks. Journal of Field Robotics, 1992, 9, 635-661.	0.7	11
11	Fuzzy control for robotic power grasp. Advanced Robotics, 1994, 9, 535-546.	1.8	7
12	Class separability estimation and incremental learning using boundary methods. Neurocomputing, 2000, 35, 3-26.	5.9	7
13	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
14	The neural shell: A neural network simulation tool. Engineering Applications of Artificial Intelligence, 1992, 5, 183-192.	8.1	5
15	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
16	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
17	Boundary Methods for Distribution Analysis. , 1997, , 173-197.		2
18	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

#	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