

Randall Davis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10959360/publications.pdf>

Version: 2024-02-01

32
papers

2,988
citations

567281

15
h-index

752698

20
g-index

32
all docs

32
docs citations

32
times ranked

1316
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic reasoning based on structure and behavior. <i>Artificial Intelligence</i> , 1984, 24, 347-410.	5.8	785
2	Frameworks for Cooperation in Distributed Problem Solving. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 1981, 11, 61-70.	0.9	488
3	Production rules as a representation for a knowledge-based consultation program. <i>Artificial Intelligence</i> , 1977, 8, 15-45.	5.8	447
4	Computer-based consultations in clinical therapeutics: Explanation and rule acquisition capabilities of the MYCIN system. <i>Journal of Biomedical Informatics</i> , 1975, 8, 303-320.	0.7	349
5	Evaluating the performance of a computer-based consultant. <i>Computer Programs in Biomedicine</i> , 1979, 9, 95-102.	0.7	123
6	Learning classification models of cognitive conditions from subtle behaviors in the digital Clock Drawing Test. <i>Machine Learning</i> , 2016, 102, 393-441.	5.4	111
7	Reasoning from first principles in electronic troubleshooting. <i>International Journal of Man-Machine Studies</i> , 1983, 19, 403-423.	0.7	109
8	Tracking body and hands for gesture recognition: NATOPS aircraft handling signals database. , 2011, , .		72
9	Action Recognition by Hierarchical Sequence Summarization. , 2013, , .		67
10	Generating multiple new designs from a sketch. <i>Artificial Intelligence</i> , 1998, 104, 211-264.	5.8	57
11	A voice-commandable robotic forklift working alongside humans in minimally-prepared outdoor environments. , 2010, , .		43
12	Age and Graphomotor Decision Making Assessed with the Digital Clock Drawing Test: The Framingham Heart Study. <i>Journal of Alzheimer's Disease</i> , 2017, 60, 1611-1620.	2.6	38
13	Digital Clock Drawing: Differentiating "Thinking" versus "Doing" in Younger and Older Adults with Depression. <i>Journal of the International Neuropsychological Society</i> , 2014, 20, 920-928.	1.8	37
14	Cognitive Correlates of Digital Clock Drawing Metrics in Older Adults with and without Mild Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2020, 75, 73-83.	2.6	37
15	DIAGNOSIS VIA CAUSAL REASONING: PATHS OF INTERACTION AND THE LOCALITY PRINCIPLE. , 1990, , 535-541.		34
16	A Situationally Aware Voice-commandable Robotic Forklift Working Alongside People in Unstructured Outdoor Environments. <i>Journal of Field Robotics</i> , 2015, 32, 590-628.	6.0	24
17	Diagnostic Reasoning Based on Structure and Behavior. , 1984, , 347-410.		24
18	Cognitive and connectome properties detectable through individual differences in graphomotor organization. <i>Neuropsychologia</i> , 2016, 85, 301-309.	1.6	22

#	ARTICLE	IF	CITATIONS
19	Distribution-sensitive learning for imbalanced datasets. , 2013, , .		20
20	Clock Drawing Performance Slows for Older Adults After Total Knee Replacement Surgery. Anesthesia and Analgesia, 2019, 129, 212-219.	2.2	19
21	DCTclock: Clinically-Interpretable and Automated Artificial Intelligence Analysis of Drawing Behavior for Capturing Cognition. Frontiers in Digital Health, 2021, 3, 750661.	2.8	19
22	Multi-view latent variable discriminative models for action recognition. , 2012, , .		17
23	THink: Inferring Cognitive Status from Subtle Behaviors. Proceedings of the AAAI Conference on Artificial Intelligence, 2014, 2014, 2898-2905.	4.9	13
24	Multimodal interaction with an autonomous forklift. , 2010, , .		8
25	Expert Systems: A Perspective from Computer Science. , 2006, , 87-104.		7
26	Normative References for Graphomotor and Latency Digital Clock Drawing Metrics for Adults Age 55 and Older: Operationalizing the Production of a Normal Appearing Clock. Journal of Alzheimer's Disease, 2021, 82, 59-70.	2.6	7
27	Proof of concept: digital clock drawing behaviors prior to transcatheter aortic valve replacement may predict length of hospital stay and cost of care. Exploration of Medicine, 2021, 2, 110-121.	1.5	5
28	Production Rules as a Representation for a Knowledge-Based Consultation Program. Computers and Medicine, 1977, , 3-37.	0.1	4
29	THink: Inferring Cognitive Status from Subtle Behaviors. Proceedings of the ... Innovative Applications of Artificial Intelligence Conference, 2014, 2014, 2898-2905.	1.0	2
30	Multimodal design: An overview. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2008, 22, 83-84.	1.1	0
31	TDâ€™003: Using the Digital Clock Drawing Test and Machine Learning to Improve Accuracy of Cognitive Screening. Alzheimer's and Dementia, 2016, 12, P153.	0.8	0
32	O4-12-03: Using the Digital Clock Drawing Test and Machine Learning to Improve Accuracy of Cognitive Screening. , 2016, 12, P363-P364.		0