

Randall Davis

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,988
citations

643344

15
h-index

843174

20
g-index

32
all docs

32
docs citations

32
times ranked

1473
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Proof of concept: digital clock drawing behaviors prior to transcatheter aortic valve replacement may predict length of hospital stay and cost of care. <i>Exploration of Medicine</i> , 2021, 2, 110-121. | 1.5 | 5 |
| 2 | Normative References for Graphomotor and Latency Digital Clock Drawing Metrics for Adults Age 55 and Older: Operationalizing the Production of a Normal Appearing Clock. <i>Journal of Alzheimer's Disease</i> , 2021, 82, 59-70. | 1.2 | 7 |
| 3 | DCTclock: Clinically-Interpretable and Automated Artificial Intelligence Analysis of Drawing Behavior for Capturing Cognition. <i>Frontiers in Digital Health</i> , 2021, 3, 750661. | 1.5 | 19 |
| 4 | 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. | 1.2 | 37 |
| 5 | Clock Drawing Performance Slows for Older Adults After Total Knee Replacement Surgery. <i>Anesthesia and Analgesia</i> , 2019, 129, 212-219. | 1.1 | 19 |
| 6 | 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. | 1.2 | 38 |
| 7 | TDâ€Pâ€003: Using the Digital Clock Drawing Test and Machine Learning to Improve Accuracy of Cognitive Screening. <i>Alzheimer's and Dementia</i> , 2016, 12, P153. | 0.4 | 0 |
| 8 | O4-12-03: Using the Digital Clock Drawing Test and Machine Learning to Improve Accuracy of Cognitive Screening. , 2016, 12, P363-P364. | | 0 |
| 9 | Cognitive and connectome properties detectable through individual differences in graphomotor organization. <i>Neuropsychologia</i> , 2016, 85, 301-309. | 0.7 | 22 |
| 10 | Learning classification models of cognitive conditions from subtle behaviors in the digital Clock Drawing Test. <i>Machine Learning</i> , 2016, 102, 393-441. | 3.4 | 111 |
| 11 | A Situationally Aware Voiceâ€commandable Robotic Forklift Working Alongside People in Unstructured Outdoor Environments. <i>Journal of Field Robotics</i> , 2015, 32, 590-628. | 3.2 | 24 |
| 12 | Digital Clock Drawing: Differentiating â€Thinking</i>â€ versus </i> â€Doing</i>â€ in Younger and Older Adults with Depression. <i>Journal of the International Neuropsychological Society</i> , 2014, 20, 920-928. | 1.2 | 37 |
| 13 | THink: Inferring Cognitive Status from Subtle Behaviors. <i>Proceedings of the ... Innovative Applications of Artificial Intelligence Conference</i> , 2014, 2014, 2898-2905. | 1.0 | 2 |
| 14 | THink: Inferring Cognitive Status from Subtle Behaviors. <i>Proceedings of the AAAI Conference on Artificial Intelligence</i> , 2014, 2014, 2898-2905. | 3.6 | 13 |
| 15 | Distribution-sensitive learning for imbalanced datasets. , 2013, , . | | 20 |
| 16 | Action Recognition by Hierarchical Sequence Summarization. , 2013, , . | | 67 |
| 17 | Multi-view latent variable discriminative models for action recognition. , 2012, , . | | 17 |
| 18 | Tracking body and hands for gesture recognition: NATOPS aircraft handling signals database. , 2011, , . | | 72 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Multimodal interaction with an autonomous forklift. , 2010, , . | | 8 |
| 20 | A voice-commandable robotic forklift working alongside humans in minimally-prepared outdoor environments. , 2010, , . | | 43 |
| 21 | Multimodal design: An overview. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2008, 22, 83-84. | 0.7 | 0 |
| 22 | Expert Systems: A Perspective from Computer Science. , 2006, , 87-104. | | 7 |
| 23 | Generating multiple new designs from a sketch. Artificial Intelligence, 1998, 104, 211-264. | 3.9 | 57 |
| 24 | DIAGNOSIS VIA CAUSAL REASONING: PATHS OF INTERACTION AND THE LOCALITY PRINCIPLE. , 1990, , 535-541. | | 34 |
| 25 | Diagnostic reasoning based on structure and behavior. Artificial Intelligence, 1984, 24, 347-410. | 3.9 | 785 |
| 26 | Diagnostic Reasoning Based on Structure and Behavior. , 1984, , 347-410. | | 24 |
| 27 | Reasoning from first principles in electronic troubleshooting. International Journal of Man-Machine Studies, 1983, 19, 403-423. | 0.7 | 109 |
| 28 | Frameworks for Cooperation in Distributed Problem Solving. IEEE Transactions on Systems, Man, and Cybernetics, 1981, 11, 61-70. | 0.9 | 488 |
| 29 | Evaluating the performance of a computer-based consultant. Computer Programs in Biomedicine, 1979, 9, 95-102. | 0.8 | 123 |
| 30 | Production rules as a representation for a knowledge-based consultation program. Artificial Intelligence, 1977, 8, 15-45. | 3.9 | 447 |
| 31 | Production Rules as a Representation for a Knowledge-Based Consultation Program. Computers and Medicine, 1977, , 3-37. | 0.1 | 4 |
| 32 | Computer-based consultations in clinical therapeutics: Explanation and rule acquisition capabilities of the MYCIN system. Journal of Biomedical Informatics, 1975, 8, 303-320. | 0.7 | 349 |