Travis J Wiltshire

List of Publications by Year
in descending order

47 papers	724 citations	623734 14 h-index	610901 24 g-index
51 all docs	51 docs citations	51 times ranked	637 citing authors

#	Article	IF	Citations
1	A Typology for the Application of Team Coordination Dynamics Across Increasing Levels of Dynamic Complexity. Human Factors, 2024, 66, 5-16.	3.5	3
2	multiSyncPy: A Python package for assessing multivariate coordination dynamics. Behavior Research Methods, 2023, 55, 932-962.	4.0	4
3	Training Machine Learning Models to Detect Group Differences in Neurophysiological Data using Recurrence Quantification Analysis based Features. , 2022, , .		0
4	Prospects for Augmenting Team Interactions with Realâ€Time Coordinationâ€Based Measures in Humanâ€Autonomy Teams. Topics in Cognitive Science, 2022, , .	1.9	5
5	Visualization Methods forÂExploratory Subgroup Discovery onÂTime Series Data. Lecture Notes in Computer Science, 2022, , 34-44.	1.3	3
6	Windowed multiscale synchrony: modeling time-varying and scale-localized interpersonal coordination dynamics. Social Cognitive and Affective Neuroscience, 2021, 16, 232-245.	3.0	12
7	Human Interaction and Networking Transitions System (HINTS) for Social User Analytics and Modeling of Offline Team Group Interaction Information. , 2021, , .		0
8	Local Exceptionality Detection in Time Series Using Subgroup Discovery: An Approach Exemplified on Team Interaction Data. Lecture Notes in Computer Science, 2021, , 435-445.	1.3	6
9	Advancing the Adoption of Virtual Reality and Neurotechnology to Improve Flight Training. , 2021, , .		6
10	Examining Team Interaction using Dynamic Complexity and Network Visualizations. , 2021, , .		4
11	Interpersonal Coordination Dynamics in Psychotherapy: A Systematic Review. Cognitive Therapy and Research, 2020, 44, 752-773.	1.9	48
12	Challenges for using coordination-based measures to augment collaborative social interactions. , 2020, , 215-230.		10
13	Investigating coregulation of emotional arousal during exposure-based CBT using vocal encoding and actorâ€“partner interdependence models.. Journal of Counseling Psychology, 2020, 67, 337-348.	2.0	14
14	Predicting Social Dynamics in Child-Robot Interactions with Facial Action Units. , 2020, , .		2
15	Multiscale movement coordination dynamics in collaborative team problem solving. Applied Ergonomics, 2019, 79, 143-151.	3.1	31
16	Towards Replication in Computational Cognitive Modeling: a Machine Learning Perspective. Computational Brain & Behavior, 2019, 2, 242-246.	1.7	3
17	The Cybernetic Return in Human Factors/Ergonomics (HFE). Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 894-898.	0.3	1
18	Training to Be a (Team) Scientist. , 2019, , 421-444.		14

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19	Problemâ€Solving Phase Transitions During Team Collaboration. Cognitive Science, 2018, 42, 129-167.	1.7	59
20	Macrocognition in Teams and Metacognition: Developing Instructional Strategies for Complex Collaborative Problem Solving. Research on Managing Groups and Teams, 2018, , 33-54.	0.6	9
21	Evaluating Emotional and Biological Sensitivity to Maternal Behavior Among Self-Injuring and Depressed Adolescent Girls Using Nonlinear Dynamics. Clinical Psychological Science, 2017, 5, 272-285.	4.0	35
22	Enabling robotic social intelligence by engineering human social-cognitive mechanisms. Cognitive Systems Research, 2017, 43, 190-207.	2.7	29
23	Changes in Dimensionality and Fractal Scaling Suggest Soft-Assembled Dynamics in Human EEG. Frontiers in Physiology, 2017, 8, 633.	2.8	10
24	Modeling Multi-Agent Self-Organization through the Lens of Higher Order Attractor Dynamics. Frontiers in Psychology, 2017, 8, 380.	2.1	6
25	A multivariate dynamic systems model for psychotherapy with more than one client.. Journal of Counseling Psychology, 2017, 64, 616-625.	2.0	16
26	Graphic methods for interpreting longitudinal dyadic patterns from repeated-measures actorâ€“partner interdependence models.. Journal of Family Psychology, 2017, 31, 592-603.	1.3	17
27	Modeling Change in Project Duration and Completion: Scheduling Dynamics of NASA's Exploration Flight Test 1 (EFT-1) Activities. Nonlinear Dynamics, Psychology, and Life Sciences, 2017, 21, 335-358.	0.2	1
28	Technology as Teammate: Examining the Role of External Cognition in Support of Team Cognitive Processes. Frontiers in Psychology, 2016, 7, 1531.	2.1	77
29	Working memory performance inversely predicts spontaneous delta and theta-band scaling relations. Brain Research, 2016, 1637, 22-33.	2.2	13
30	Effects of Robotic Social Cues on Interpersonal Attributions and Assessments of Robot Interaction Behaviors. Proceedings of the Human Factors and Ergonomics Society, 2015, 59, 801-805.	0.3	12
31	A Prospective Framework for the Design of Ideal Artificial Moral Agents: Insights from the Science of Heroism in Humans. Minds and Machines, 2015, 25, 57-71.	4.8	11
32	Applying Research in the Cognitive Sciences to the Design and Delivery of Instruction in Virtual Reality Learning Environments. Lecture Notes in Computer Science, 2015, , 280-291.	1.3	10
33	Shifting the paradigm of music instruction: implications of embodiment stemming from an augmented reality guitar learning system. Frontiers in Psychology, 2014, 5, 471.	2.1	20
34	An interdisciplinary taxonomy of social cues and signals in the service of engineering robotic social intelligence. Proceedings of SPIE, 2014, , .	0.8	2
35	No Time, No Problem. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 1341-1345.	0.3	3
36	Applications of Cognitive Transformation Theory. Journal of Cognitive Engineering and Decision Making, 2014, 8, 219-247.	2.3	10

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37	Social Cognitive and Affective Neuroscience in Humanâ€“Machine Systems: A Roadmap for Improving Training, Humanâ€“Robot Interaction, and Team Performance. IEEE Transactions on Human-Machine Systems, 2014, 44, 779-787.	3.5	30
38	Complex Collaborative Problem-Solving Processes in Mission Control. Aviation, Space, and Environmental Medicine, 2014, 85, 456-461.	0.5	17
39	Training for Collaborative Problem Solving. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 1154-1158.	0.3	5
40	Leveraging Social Judgment Theory to Examine the Relationship between Social Cues and Signals in Human-Robot Interactions. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 1336-1340.	0.3	10
41	Prospects for direct social perception: a multi-theoretical integration to further the science of social cognition. Frontiers in Human Neuroscience, 2014, 8, 1007.	2.0	22
42	Effects of Robot Gaze and Proxemic Behavior on Perceived Social Presence during a Hallway Navigation Scenario. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1273-1277.	0.3	13
43	A Dual-Process Approach to Understanding Human-Robot Interaction. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1263-1267.	0.3	9
44	Towards Modeling Social-Cognitive Mechanisms in Robots to Facilitate Human-Robot Teaming. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1278-1282.	0.3	17
45	Toward understanding social cues and signals in humanâ€“robot interaction: effects of robot gaze and proxemic behavior. Frontiers in Psychology, 2013, 4, 859.	2.1	82
46	Cybernetic Teams: Towards the Implementation of Team Heuristics in HRI. Lecture Notes in Computer Science, 2013, , 321-330.	1.3	2
47	Picking Up STEAM: Educational Implications for Teaching with an Augmented Reality Guitar Learning System. Lecture Notes in Computer Science, 2013, , 170-178.	1.3	8