

Travis J Wiltshire

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1259311/publications.pdf>

Version: 2024-02-01

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	Toward understanding social cues and signals in human-robot interaction: effects of robot gaze and proxemic behavior. <i>Frontiers in Psychology</i> , 2013, 4, 859.	2.1	82
2	Technology as Teammate: Examining the Role of External Cognition in Support of Team Cognitive Processes. <i>Frontiers in Psychology</i> , 2016, 7, 1531.	2.1	77
3	Problem-Solving Phase Transitions During Team Collaboration. <i>Cognitive Science</i> , 2018, 42, 129-167.	1.7	59
4	Interpersonal Coordination Dynamics in Psychotherapy: A Systematic Review. <i>Cognitive Therapy and Research</i> , 2020, 44, 752-773.	1.9	48
5	Evaluating Emotional and Biological Sensitivity to Maternal Behavior Among Self-Injuring and Depressed Adolescent Girls Using Nonlinear Dynamics. <i>Clinical Psychological Science</i> , 2017, 5, 272-285.	4.0	35
6	Multiscale movement coordination dynamics in collaborative team problem solving. <i>Applied Ergonomics</i> , 2019, 79, 143-151.	3.1	31
7	Social Cognitive and Affective Neuroscience in Human-Machine Systems: A Roadmap for Improving Training, Human-Robot Interaction, and Team Performance. <i>IEEE Transactions on Human-Machine Systems</i> , 2014, 44, 779-787.	3.5	30
8	Enabling robotic social intelligence by engineering human social-cognitive mechanisms. <i>Cognitive Systems Research</i> , 2017, 43, 190-207.	2.7	29
9	Prospects for direct social perception: a multi-theoretical integration to further the science of social cognition. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1007.	2.0	22
10	Shifting the paradigm of music instruction: implications of embodiment stemming from an augmented reality guitar learning system. <i>Frontiers in Psychology</i> , 2014, 5, 471.	2.1	20
11	Towards Modeling Social-Cognitive Mechanisms in Robots to Facilitate Human-Robot Teaming. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 1278-1282.	0.3	17
12	Complex Collaborative Problem-Solving Processes in Mission Control. <i>Aviation, Space, and Environmental Medicine</i> , 2014, 85, 456-461.	0.5	17
13	Graphic methods for interpreting longitudinal dyadic patterns from repeated-measures actor-partner interdependence models.. <i>Journal of Family Psychology</i> , 2017, 31, 592-603.	1.3	17
14	A multivariate dynamic systems model for psychotherapy with more than one client.. <i>Journal of Counseling Psychology</i> , 2017, 64, 616-625.	2.0	16
15	Training to Be a (Team) Scientist. , 2019, , 421-444.		14
16	Investigating coregulation of emotional arousal during exposure-based CBT using vocal encoding and actor-partner interdependence models.. <i>Journal of Counseling Psychology</i> , 2020, 67, 337-348.	2.0	14
17	Effects of Robot Gaze and Proxemic Behavior on Perceived Social Presence during a Hallway Navigation Scenario. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 1273-1277.	0.3	13
18	Working memory performance inversely predicts spontaneous delta and theta-band scaling relations. <i>Brain Research</i> , 2016, 1637, 22-33.	2.2	13

#	ARTICLE	IF	CITATIONS
19	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
20	Windowed multiscale synchrony: modeling time-varying and scale-localized interpersonal coordination dynamics. Social Cognitive and Affective Neuroscience, 2021, 16, 232-245.	3.0	12
21	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
22	Applications of Cognitive Transformation Theory. Journal of Cognitive Engineering and Decision Making, 2014, 8, 219-247.	2.3	10
23	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
24	Changes in Dimensionality and Fractal Scaling Suggest Soft-Assembled Dynamics in Human EEG. Frontiers in Physiology, 2017, 8, 633.	2.8	10
25	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
26	Challenges for using coordination-based measures to augment collaborative social interactions. , 2020, , 215-230.		10
27	A Dual-Process Approach to Understanding Human-Robot Interaction. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1263-1267.	0.3	9
28	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
29	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
30	Modeling Multi-Agent Self-Organization through the Lens of Higher Order Attractor Dynamics. Frontiers in Psychology, 2017, 8, 380.	2.1	6
31	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
32	Advancing the Adoption of Virtual Reality and Neurotechnology to Improve Flight Training. , 2021, , .		6
33	Training for Collaborative Problem Solving. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 1154-1158.	0.3	5
34	Prospects for Augmenting Team Interactions with Real-time Coordination-based Measures in Human-autonomy Teams. Topics in Cognitive Science, 2022, , .	1.9	5
35	Examining Team Interaction using Dynamic Complexity and Network Visualizations. , 2021, , .		4
36	multiSyncPy: A Python package for assessing multivariate coordination dynamics. Behavior Research Methods, 2023, 55, 932-962.	4.0	4

#	ARTICLE	IF	CITATIONS
37	No Time, No Problem. Proceedings of the Human Factors and Ergonomics Society, 2014, 58, 1341-1345.	0.3	3
38	Towards Replication in Computational Cognitive Modeling: a Machine Learning Perspective. Computational Brain & Behavior, 2019, 2, 242-246.	1.7	3
39	A Typology for the Application of Team Coordination Dynamics Across Increasing Levels of Dynamic Complexity. Human Factors, 2024, 66, 5-16.	3.5	3
40	Visualization Methods for Exploratory Subgroup Discovery on Time Series Data. Lecture Notes in Computer Science, 2022, , 34-44.	1.3	3
41	An interdisciplinary taxonomy of social cues and signals in the service of engineering robotic social intelligence. Proceedings of SPIE, 2014, , .	0.8	2
42	Cybernetic Teams: Towards the Implementation of Team Heuristics in HRI. Lecture Notes in Computer Science, 2013, , 321-330.	1.3	2
43	Predicting Social Dynamics in Child-Robot Interactions with Facial Action Units. , 2020, , .		2
44	The Cybernetic Return in Human Factors/Ergonomics (HFE). Proceedings of the Human Factors and Ergonomics Society, 2019, 63, 894-898.	0.3	1
45	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
46	Human Interaction and Networking Transitions System (HINTS) for Social User Analytics and Modeling of Offline Team Group Interaction Information. , 2021, , .		0
47	Training Machine Learning Models to Detect Group Differences in Neurophysiological Data using Recurrence Quantification Analysis based Features. , 2022, , .		0