

# Leanne M Hirshfield

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7234294/publications.pdf>

Version: 2024-02-01

46  
papers

1,347  
citations

933447

10  
h-index

794594

19  
g-index

48  
all docs

48  
docs citations

48  
times ranked

887  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reality-based interaction. , 2008, , .		539
2	Using fNIRS brain sensing in realistic HCI settings. , 2009, , .		82
3	Brain measurement for usability testing and adaptive interfaces. , 2009, , .		75
4	Smart Blocks. , 2007, , .		56
5	DISCRIMINATION OF MENTAL WORKLOAD LEVELS IN HUMAN SUBJECTS WITH FUNCTIONAL NEAR-INFRARED SPECTROSCOPY. Journal of Innovative Optical Health Sciences, 2008, 01, 227-237.	1.0	54
6	The Construct of State-Level Suspicion. Human Factors, 2014, 56, 489-508.	3.5	42
7	Distinguishing Difficulty Levels with Non-invasive Brain Activity Measurements. Lecture Notes in Computer Science, 2009, , 440-452.	1.3	39
8	A Multi-Modal Neuro-Physiological Study of Phishing Detection and Malware Warnings. , 2015, , .		38
9	Reality-based interaction. , 2007, , .		36
10	This is your brain on interfaces. , 2011, , .		34
11	Combining Electroencephalograph and Functional Near Infrared Spectroscopy to Explore Usersâ€™ Mental Workload. Lecture Notes in Computer Science, 2009, , 239-247.	1.3	33
12	Invited Article: The Construct of Suspicion and How It Can Benefit Theories and Models in Organizational Science. Journal of Business and Psychology, 2014, 29, 335-342.	4.0	28
13	Building predictive models of emotion with functional near-infrared spectroscopy. International Journal of Human Computer Studies, 2018, 110, 75-85.	5.6	27
14	Using Noninvasive Brain Measurement to Explore the Psychological Effects of Computer Malfunctions on Users during Human-Computer Interactions. Advances in Human-Computer Interaction, 2014, 2014, 1-13.	2.8	26
15	From Brain Signals to Adaptive Interfaces: Using fNIRS in HCI. Human-computer Interaction Series, 2010, , 221-237.	0.6	22
16	Using Augmented Reality to Better Study Human-Robot Interaction. Lecture Notes in Computer Science, 2020, , 643-654.	1.3	14
17	The Role of Human Operators' Suspicion in the Detection of Cyber Attacks. International Journal of Cyber Warfare and Terrorism, 2015, 5, 28-44.	0.5	10
18	Workload-driven modulation of mixed-reality robot-human communication. , 2018, , .		10

#	ARTICLE	IF	CITATIONS
19	Classification of affect using deep learning on brain blood flow data. <i>Journal of Near Infrared Spectroscopy</i> , 2019, 27, 206-219.	1.5	10
20	Classification of fNIRS Finger Tapping Data With Multi-Labeling and Deep Learning. <i>IEEE Sensors Journal</i> , 2021, 21, 24558-24569.	4.7	10
21	CHI2006. <i>Interactions</i> , 2007, 14, 53-58.	1.0	9
22	fNIRS: A new modality for brain activity-based biometric authentication. , 2015, , .		9
23	Neural Underpinnings of Website Legitimacy and Familiarity Detection. , 2017, , .		9
24	Toward Interfaces that Help Users Identify Misinformation Online: Using fNIRS to Measure Suspicion. <i>Augmented Human Research</i> , 2019, 4, 1.	4.7	9
25	A More Complete Picture of Emotion Using Electrocardiogram and Electrodermal Activity to Complement Cognitive Data. <i>Lecture Notes in Computer Science</i> , 2016, , 287-298.	1.3	8
26	Your Brain, Your Computer, and You. <i>Computer</i> , 2010, 43, 86-89.	1.1	6
27	Using fNIRS to Examine Neural Mechanisms of Change Associated with Mindfulness-Based Interventions for Stress and Trauma: Results of a Pilot Study for Women. <i>Mindfulness</i> , 2021, 12, 2295-2310.	2.8	6
28	Taking a Deeper Look at the Brain: Predicting Visual Perceptual and Working Memory Load From High-Density fNIRS Data. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2022, 26, 2308-2319.	6.3	6
29	Using fNIRS to Identify Transparency- and Reliability-Sensitive Markers of Trust Across Multiple Timescales in Collaborative Human-Human-Agent Triads. <i>Frontiers in Neuroergonomics</i> , 2022, 3, .	1.1	6
30	The Role of Human Operators' Suspicion in the Detection of Cyber Attacks. , 2019, , 1482-1499.		5
31	Processing Racial Stereotypes in Virtual Reality: An Exploratory Study Using Functional Near-Infrared Spectroscopy (fNIRS). <i>Lecture Notes in Computer Science</i> , 2019, , 407-417.	1.3	5
32	Trust in Human-Computer Interactions as Measured by Frustration, Surprise, and Workload. <i>Lecture Notes in Computer Science</i> , 2011, , 507-516.	1.3	4
33	Get This!? Mixed Reality Improves Robot Communication Regardless of Mental Workload. , 2021, , .		4
34	Perceived Restorativeness and Meditation Depth for Virtual Reality Supported Mindfulness Interventions. <i>Lecture Notes in Computer Science</i> , 2020, , 176-189.	1.3	4
35	Measuring Situational Awareness Aptitude Using Functional Near-Infrared Spectroscopy. <i>Lecture Notes in Computer Science</i> , 2015, , 244-255.	1.3	4
36	Estimating Cognitive Load and Cybersickness of Pilots in VR Simulations via Unobtrusive Physiological Sensors. <i>Lecture Notes in Computer Science</i> , 2022, , 251-269.	1.3	4

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37	Human-agent teaming and trust calibration: a theoretical framework, configurable testbed, empirical illustration, and implications for the development of adaptive systems. <i>Theoretical Issues in Ergonomics Science</i> , 2023, 24, 310-334.	1.8	4
38	Simultaneous and Spatiotemporal Detection of Different Levels of Activity in Multidimensional Data. <i>IEEE Access</i> , 2020, 8, 118205-118218.	4.2	3
39	Identification of Potential Task Shedding Events Using Brain Activity Data. <i>Augmented Human Research</i> , 2020, 5, 1.	4.7	3
40	Real-Time Assessment of Mental Workload with Near-Infrared Spectroscopy: Potential for Human-Computer Interaction. , 2008, , .		2
41	A Neurophysiological Sensor Suite for Real-Time Prediction of Pilot Workload in Operational Settings. <i>Lecture Notes in Computer Science</i> , 2020, , 60-77.	1.3	2
42	Call for Papers: Embedding the Concept of Suspicion in Research on Business and Applied Psychology. <i>Journal of Business and Psychology</i> , 2014, 29, 495-497.	4.0	1
43	Beyond Facebook Personality Prediction:. <i>Lecture Notes in Computer Science</i> , 2014, , 486-493.	1.3	1
44	Robot-Generated Mixed Reality Gestures Improve Human-Robot Interaction. <i>Lecture Notes in Computer Science</i> , 2021, , 768-773.	1.3	1
45	Using the EEG Error Potential to Identify Interface Design Flaws. <i>Lecture Notes in Computer Science</i> , 2013, , 289-298.	1.3	0
46	Our Emotions as Seen through a Webcam. <i>Lecture Notes in Computer Science</i> , 2014, , 78-89.	1.3	0