Lewis Chuang

List of Publications by Citations

51 papers	504 citations	12 h-index	20 g-index
64 ext. papers	655 ext. citations	2.8 avg, IF	4.05 L-index

#	Paper	IF	Citations
51	Why are moving faces easier to recognize?. *Visual Cognition*, **2005**, 12, 429-442	1.8	77
50	Assisting Drivers with Ambient Take-Over Requests in Highly Automated Driving **2016**,		72
49	Human-Centered Design and Evaluation of Haptic Cueing for Teleoperation of Multiple Mobile Robots. *IEEE Transactions on Cybernetics*, **2013**, 43, 597-609	10.2	42
48	Feel the Movement **2018**,		28
47	"Where's Pinky?" **2017**,		26
46	Recognizing face identity from natural and morphed smiles. *Quarterly Journal of Experimental Psychology*, **2006**, 59, 801-8	1.8	23
45	Eye and pointer coordination in search and selection tasks **2010**,		23
44	Steering Demands Diminish the Early-P3, Late-P3 and RON Components of the Event-Related Potential of Task-Irrelevant Environmental Sounds. *Frontiers in Human Neuroscience*, **2016**, 10, 73	3.3	18
43	A dynamic object-processing network: metric shape discrimination of dynamic objects by activation of occipitotemporal, parietal, and frontal cortices. *Cerebral Cortex*, **2008**, 18, 1302-13	5.1	17
42	Robust Gaze Features for Enabling Language Proficiency Awareness **2017**,		15
41	Take-over requests during highly automated driving: How should they be presented and under what conditions?. *Transportation Research Part F: Traffic Psychology and Behaviour*, **2019**, 66, 214-225	4.5	14
40	A Hidden Markov Framework to Capture Human–Machine Interaction in Automated Vehicles. *International Journal of Human-Computer Interaction*, **2019**, 35, 947-955	3.6	13
39	A Survey of Viewpoint Selection Methods for Polygonal Models. *Entropy*, **2018**, 20,	2.8	11
38	How do image complexity, task demands and looking biases influence human gaze behavior?. *Pattern Recognition Letters*, **2013**, 34, 723-730	4.7	10
37	Using EEG to Understand why Behavior to Auditory In-vehicle Notifications Differs Across Test Environments **2017**,		9
36	Auditory Task Irrelevance: A Basis for Inattentional Deafness. *Human Factors*, **2018**, 60, 428-440	3.8	8
35	Looking for discriminating is different from looking for looking's sake. *PLoS ONE*, **2012**, 7, e45445	3.7	7

34	1st Workshop on Ethically Inspired User Interfaces for Automated Driving **2016**,		7
33	Design Guidelines for Reliability Communication in Autonomous Vehicles **2018**,		7
32	Asymmetric saccade reaction times to smooth pursuit. *Experimental Brain Research*, **2015**, 233, 2527-38	2.3	6
31	A comparison of geometric- and regression-based mobile gaze-tracking. *Frontiers in Human Neuroscience*, **2014**, 8, 200	3.3	6
30	Use the Right Sound for the Right Job **2018**,		5
29	Mechanical design of a tree gripper for miniature tree-climbing robots **2011**,		5
28	Acoustic Cues Increase Situational Awareness in Accident Situations: A VR Car-Driving Study. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 1-11	6.1	5
27	Eye Tracking and Visualization. *Mathematics and Visualization*, **2017**,	0.6	4
26	Learned Non-Rigid Object Motion is a View-Invariant Cue to Recognizing Novel Objects. *Frontiers in Computational Neuroscience*, **2012**, 6, 26	3.5	4
25	Research Article. *Journal of Eye Movement Research*, **2017**, 10,	1.7	4
24	1st Workshop on Situational Awareness in Semi-Automated Vehicles **2016**,		4
23	Looming Auditory Collision Warnings for Semi-Automated Driving **2018**,		4
22	The time course of auditory looming cues in redirecting visuo-spatial attention. *Scientific Reports*, **2019**, 9, 743	4.9	3
21	Saccade reaction time asymmetries during task-switching in pursuit tracking. *Experimental Brain Research*, **2013**, 230, 271-81	2.3	3
20	1st Workshop on Understanding Automation **2017**,		2
19	Tinted lenses affect our physiological responses to affective pictures: An EEG/ERP study. *Frontiers in Human Neuroscience*,12,	3.3	2
18	Unsupervised Clustering of EOG as a Viable Substitute for Optical Eye Tracking. *Mathematics and Visualization*, **2017**, 151-167	0.6	2
17	Effects of anxiety and cognitive load on instrument scanning behavior in a flight simulation **2016**,		2

16	The Effect of Road Bumps on Touch Interaction in Cars **2018**,		2
15	Virtual Reality Adaptation Using Electrodermal Activity to Support the User Experience. *Big Data and Cognitive Computing*, **2022**, 6, 55	3.5	2
14	Looking Through "Rose-Tinted" Glasses: The Influence of Tint on Visual Affective Processing. *Frontiers in Human Neuroscience*, **2019**, 13, 187	3.3	1
13	The embodied vehicle **2019**,		1
12	Towards Using Gaze Properties to Detect Language Proficiency **2016**,		1
11	Developing a Highly Automated Driving Scenario to Investigate User Intervention **2017**,		1
10	Reading the mobile brain **2017**,		1
9	System Delay in Flight Simulators Impairs Performance and Increases Physiological Workload. *Lecture Notes in Computer Science*, **2014**, 3-11	0.9	1
8	Measuring an operator¼ maneuverability performance in the haptic teleoperation of multiple robots **2011**,		1
7	The Influence of Visualization on Control Performance in a Flight Simulator. *Lecture Notes in Computer Science*, **2014**, 202-211	0.9	1
6	On the Cognitive Demands of Different Controller Dynamics: A within-subject P300 Analysis. *Proceedings of the Human Factors and Ergonomics Society*, **2015**, 59, 1042-1046	0.4	
5	Error Visualization and Information-Seeking Behavior for Air-Vehicle Control. *Lecture Notes in Computer Science*, **2015**, 3-11	0.9	
4	Gaze-Assisted Pointing for Wall-Sized Displays. *Lecture Notes in Computer Science*, **2009**, 9-12	0.9	
3	Towards Artificial Systems: What Can We Learn from Human Perception?. *Lecture Notes in Computer Science*, **2010**, 1-3	0.9	
2	Attentional Biases during Steering Behavior. *Lecture Notes in Computer Science*, **2013**, 21-27	0.9	
1	Modulation of vection latencies in the full-body illusion. *PLoS ONE*, **2018**, 13, e0209189	3.7	