Jussi Rantala

List of Publications by Year
in descending order

58 papers	950 citations	840776 11 h-index	677142 22 g-index
60 all docs	60 docs citations	60 times ranked	659 citing authors

#	Article	IF	Citations
1	Measures and modalities in restorative virtual natural environments: An integrative narrative review. Computers in Human Behavior, 2022, 126, 107008.	8.5	41
2	A comparison of online methods for change point detection in ion-mobility spectrometry data. Array, 2022, 14, 100151.	4.0	1
3	People Stink!: Towards Identification of People from Breath Samples. , 2022, , .		0
4	Clustering of Alpha Curves in Differential Mobility Spectrometry Data. , 2022, , .		0
5	Interpersonal Haptic Communication: Review and Directions for the Future. International Journal of Human Computer Studies, 2022, 166, 102881.	5.6	10
6	A Comparison of Various Algorithms for Classification of Food Scents Measured with an Ion Mobility Spectrometry. Sensors, 2021, 21, 361.	3.8	1
7	Comparison of Controller-Based Locomotion Techniques for Visual Observation in Virtual Reality. Multimodal Technologies and Interaction, 2021, 5, 31.	2.5	10
8	Technologies for Multimodal Interaction in Extended Realityâ€"A Scoping Review. Multimodal Technologies and Interaction, 2021, 5, 81.	2.5	19
9	Gaze Interaction With Vibrotactile Feedback: Review and Design Guidelines. Human-Computer Interaction, 2020, 35, 1-39.	4.4	19
10	Transferring scents over a communication network. , 2020, , .		1
11	Unimodal and Multimodal Signals to Support Control Transitions in Semiautonomous Vehicles. , 2019, , .		10
12	Human augmentation: Past, present and future. International Journal of Human Computer Studies, 2019, 131, 131-143.	5.6	102
13	Online Scent Classification by Ion-Mobility Spectrometry Sequences. Frontiers in Applied Mathematics and Statistics, 2019, 5, .	1.3	5
14	Scent classification by K nearest neighbors using ion-mobility spectrometry measurements. Expert Systems With Applications, 2019, 115, 593-606.	7.6	29
15	Evaluating ray casting and two gaze-based pointing techniques for object selection in virtual reality. , 2018, , .		14
16	Hands-free vibrotactile feedback for object selection tasks in virtual reality. , 2018, , .		7
17	Olfactory Display Prototype for Presenting and Sensing Authentic and Synthetic Odors. , 2018, , .		9
18	A compact olfactometer for IMS measurements and testing human perception. International Journal for Ion Mobility Spectrometry, 2018, 21, 71-80.	1.4	2

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19	Sketching CuddleBits. , 2017, , .		31
20	Gaze Cueing with a Vibrotactile Headband for a Visual Search Task. Augmented Human Research, 2017, 2, 1.	4.7	1
21	Directional cueing of gaze with a vibrotactile headband. , 2017, , .		7
22	Vibrotactile stimulation of the head enables faster gaze gestures. International Journal of Human Computer Studies, 2017, 98, 62-71.	5.6	4
23	Evaluation of HeadTurn. , 2016, , .		18
24	Comparison of three implementations of HeadTurn: a multimodal interaction technique with gaze and head turns. , 2016, , .		7
25	Feedback for Smooth Pursuit Gaze Tracking Based Control. , 2016, , .		17
26	Good vibes. , 2016, , .		17
27	Haptic feedback of gaze gestures with glasses. , 2015, , .		1
28	Delivering directional haptic cues through eyeglasses and a seat. , 2015, , .		22
29	Glance Awareness and Gaze Interaction in Smartwatches. , 2015, , .		16
30	Sequential and simultaneous tactile stimulation with multiple actuators on head, neck and back for gaze cuing. , 2015, , .		13
31	Gaze gestures and haptic feedback in mobile devices. , 2014, , .		43
32	Glasses with haptic feedback of gaze gestures. , 2014, , .		22
33	Haptic feedback to gaze events. , 2014, , .		7
34	Using gaze gestures with haptic feedback on glasses. , 2014, , .		4
35	TraQuMe. , 2014, , .		12
36	Preferences for touch gestures in audio-tactile communication. , 2014, , .		3

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37	Delayed Haptic Feedback to Gaze Gestures. Lecture Notes in Computer Science, 2014, , 25-31.	1.3	5
38	Touch gestures in communicating emotional intention via vibrotactile stimulation. International Journal of Human Computer Studies, 2013, 71, 679-690.	5.6	61
39	User experiences of mobile audio conferencing with spatial audio, haptics and gestures. , 2013, , .		3
40	Intuitiveness of vibrotactile speed regulation cues. ACM Transactions on Applied Perception, 2013, 10, 1-15.	1.9	11
41	Haptically augmented remote speech communication. , 2012, , .		26
42	Tactile Modulation of Emotional Speech Samples. Advances in Human-Computer Interaction, 2012, 2012, 1-13.	2.8	11
43	Presenting spatial tactile messages with a hand-held device. , 2011, , .		8
44	The Role of Gesture Types and Spatial Feedback in Haptic Communication. IEEE Transactions on Haptics, 2011, 4, 295-306.	2.7	26
45	Exploring the effects of cumulative contextual cues on interpreting vibrotactile messages. , 2011, , .		3
46	Evaluations of Piezo Actuated Haptic Stimulations. Lecture Notes in Computer Science, 2011, , 296-305.	1.3	5
47	Accessible Multimodal Media Center Application for Blind and Partially Sighted People. Computers in Entertainment, 2010, 8, 1-30.	1.1	12
48	Accessible Speech-Based and Multimodal Media Center Interface for Users with Physical Disabilities. Lecture Notes in Computer Science, 2010, , 66-79.	1.3	1
49	Haptic interaction becomes reality. Journal of Ambient Intelligence and Smart Environments, 2009, 1, 37-41.	1.4	9
50	Enhancing personal communication with spatial haptics: Two scenario-based experiments on gestural interaction. Journal of Visual Languages and Computing, 2009, 20, 287-304.	1.8	12
51	Methods for Presenting Braille Characters on a Mobile Device with a Touchscreen and Tactile Feedback. IEEE Transactions on Haptics, 2009, 2, 28-39.	2.7	88
52	Providing two-dimensional tactile directional information with one-dimensional movement. , 2009, , .		3
53	Emotional responses to haptic stimuli in laboratory versus travelling by bus contexts. , 2009, , .		7
54	Multimodal Interaction with Speech, Gestures and Haptic Feedback in a Media Center Application. Lecture Notes in Computer Science, 2009, , 836-837.	1.3	2

#	ARTICLE	IF	CITATIONS
55	Multimodal Media Center Interface Based on Speech, Gestures and Haptic Feedback. Lecture Notes in Computer Science, 2009, , 54-57.	1.3	3
56	Emotional and behavioral responses to haptic stimulation. , 2008, , .		83
57	Perception of low-amplitude haptic stimuli when biking. , 2008, , .		14
58	Vibrotactile Information for Intuitive Speed Regulation. , 0, , .		4