Jussi Rantala

List of Publications by Year in descending order

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58	950	840776 11	677142 22
papers	citations	h-index	g-index

60	60	60	659
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Human augmentation: Past, present and future. International Journal of Human Computer Studies, 2019, 131, 131-143.	5.6	102
2	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
3	Emotional and behavioral responses to haptic stimulation. , 2008, , .		83
4	Touch gestures in communicating emotional intention via vibrotactile stimulation. International Journal of Human Computer Studies, 2013, 71, 679-690.	5.6	61
5	Gaze gestures and haptic feedback in mobile devices. , 2014, , .		43
6	Measures and modalities in restorative virtual natural environments: An integrative narrative review. Computers in Human Behavior, 2022, 126, 107008.	8.5	41
7	Sketching CuddleBits. , 2017, , .		31
8	Scent classification by K nearest neighbors using ion-mobility spectrometry measurements. Expert Systems With Applications, 2019, 115, 593-606.	7.6	29
9	The Role of Gesture Types and Spatial Feedback in Haptic Communication. IEEE Transactions on Haptics, 2011, 4, 295-306.	2.7	26
10	Haptically augmented remote speech communication. , 2012, , .		26
11	Glasses with haptic feedback of gaze gestures. , 2014, , .		22
12	Delivering directional haptic cues through eyeglasses and a seat. , 2015, , .		22
13	Gaze Interaction With Vibrotactile Feedback: Review and Design Guidelines. Human-Computer Interaction, 2020, 35, 1-39.	4.4	19
14	Technologies for Multimodal Interaction in Extended Realityâ€”A Scoping Review. Multimodal Technologies and Interaction, 2021, 5, 81.	2.5	19
15	Evaluation of HeadTurn. , 2016, , .		18
16	Feedback for Smooth Pursuit Gaze Tracking Based Control. , 2016, , .		17
17	Good vibes. , 2016, , .		17
18	Glance Awareness and Gaze Interaction in Smartwatches. , 2015, , .		16

#	Article	IF	Citations
19	Perception of low-amplitude haptic stimuli when biking. , 2008, , .		14
20	Evaluating ray casting and two gaze-based pointing techniques for object selection in virtual reality. , 2018, , .		14
21	Sequential and simultaneous tactile stimulation with multiple actuators on head, neck and back for gaze cuing. , 2015, , .		13
22	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
23	Accessible Multimodal Media Center Application for Blind and Partially Sighted People. Computers in Entertainment, 2010, 8, 1-30.	1.1	12
24	TraQuMe. , 2014, , .		12
25	Tactile Modulation of Emotional Speech Samples. Advances in Human-Computer Interaction, 2012, 2012, 1-13.	2.8	11
26	Intuitiveness of vibrotactile speed regulation cues. ACM Transactions on Applied Perception, 2013, 10, 1-15.	1.9	11
27	Unimodal and Multimodal Signals to Support Control Transitions in Semiautonomous Vehicles. , 2019, , .		10
28	Comparison of Controller-Based Locomotion Techniques for Visual Observation in Virtual Reality. Multimodal Technologies and Interaction, 2021, 5, 31.	2.5	10
29	Interpersonal Haptic Communication: Review and Directions for the Future. International Journal of Human Computer Studies, 2022, 166, 102881.	5.6	10
30	Haptic interaction becomes reality. Journal of Ambient Intelligence and Smart Environments, 2009, 1, 37-41.	1.4	9
31	Olfactory Display Prototype for Presenting and Sensing Authentic and Synthetic Odors. , 2018, , .		9
32	Presenting spatial tactile messages with a hand-held device. , 2011, , .		8
33	Emotional responses to haptic stimuli in laboratory versus travelling by bus contexts. , 2009, , .		7
34	Haptic feedback to gaze events. , 2014, , .		7
35	Comparison of three implementations of HeadTurn: a multimodal interaction technique with gaze and head turns. , 2016, , .		7
36	Directional cueing of gaze with a vibrotactile headband. , 2017, , .		7

#	Article	IF	Citations
37	Hands-free vibrotactile feedback for object selection tasks in virtual reality. , 2018, , .		7
38	Online Scent Classification by Ion-Mobility Spectrometry Sequences. Frontiers in Applied Mathematics and Statistics, 2019, 5, .	1.3	5
39	Evaluations of Piezo Actuated Haptic Stimulations. Lecture Notes in Computer Science, 2011, , 296-305.	1.3	5
40	Delayed Haptic Feedback to Gaze Gestures. Lecture Notes in Computer Science, 2014, , 25-31.	1.3	5
41	Using gaze gestures with haptic feedback on glasses. , 2014, , .		4
42	Vibrotactile stimulation of the head enables faster gaze gestures. International Journal of Human Computer Studies, 2017, 98, 62-71.	5.6	4
43	Vibrotactile Information for Intuitive Speed Regulation. , 0, , .		4
44	Providing two-dimensional tactile directional information with one-dimensional movement. , 2009, , .		3
45	Exploring the effects of cumulative contextual cues on interpreting vibrotactile messages. , 2011, , .		3
46	User experiences of mobile audio conferencing with spatial audio, haptics and gestures. , 2013, , .		3
47	Preferences for touch gestures in audio-tactile communication. , 2014, , .		3
48	Multimodal Media Center Interface Based on Speech, Gestures and Haptic Feedback. Lecture Notes in Computer Science, 2009, , 54-57.	1.3	3
49	A compact olfactometer for IMS measurements and testing human perception. International Journal for Ion Mobility Spectrometry, 2018, 21, 71-80.	1.4	2
50	Multimodal Interaction with Speech, Gestures and Haptic Feedback in a Media Center Application. Lecture Notes in Computer Science, 2009, , 836-837.	1.3	2
51	Haptic feedback of gaze gestures with glasses. , 2015, , .		1
52	Gaze Cueing with a Vibrotactile Headband for a Visual Search Task. Augmented Human Research, 2017, 2, 1.	4.7	1
53	A Comparison of Various Algorithms for Classification of Food Scents Measured with an Ion Mobility Spectrometry. Sensors, 2021, 21, 361.	3.8	1
54	Accessible Speech-Based and Multimodal Media Center Interface for Users with Physical Disabilities. Lecture Notes in Computer Science, 2010, , 66-79.	1.3	1

#	Article	IF	Citations
55	Transferring scents over a communication network. , 2020, , .		1
56	A comparison of online methods for change point detection in ion-mobility spectrometry data. Array, 2022, 14, 100151.	4.0	1
57	People Stink!: Towards Identification of People from Breath Samples. , 2022, , .		0
58	Clustering of Alpha Curves in Differential Mobility Spectrometry Data. , 2022, , .		0