Masashi Nakatani

List of Publications by Year
in descending order

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44 papers	1,038 citations	933447 10 h-index	610901 24 g-index
48 all docs	48 docs citations	48 times ranked	1249 citing authors

#	Article	IF	Citations
1	Epidermal Merkel cells are mechanosensory cells that tune mammalian touch receptors. Nature, 2014, 509, 617-621.	27.8	447
2	Epidermal keratinocytes as the forefront of the sensory system. Experimental Dermatology, 2007, 16, 157-161.	2.9	128
3	TECHTILE toolkit. , 2012, , .		75
4	Mechanotransduction in epidermal Merkel cells. Pflugers Archiv European Journal of Physiology, 2015, 467, 101-108.	2.8	49
5	TECHTILE toolkit. , 2012, , .		37
6	Wearable contact force sensor system based on fingerpad deformation. , 2011, , .		35
7	Distinctive molecular responses to ultraviolet radiation between keratinocytes and melanocytes. Experimental Dermatology, 2016, 25, 708-713.	2.9	19
8	Coculture system of keratinocytes and dorsalâ€rootâ€ganglionâ€derived cells for screening neurotrophic factors involved in guidance of neuronal axon growth in the skin. Experimental Dermatology, 2014, 23, 58-60.	2.9	18
9	Haptic localizations for onset and offset of vibro-tactile stimuli are dissociated. Experimental Brain Research, 2009, 193, 483-489.	1.5	15
10	Acceleration of permeability barrier recovery by exposure of skin to 10-30â€ƒkHz sound. British Journal of Dermatology, 2010, 162, 503-507.	1.5	15
11	Wearable haptic augmentation system using skin vibration sensor. , 2016, , .		15
12	Softness sensor system for simultaneously measuring the mechanical properties of superficial skin layer and whole skin. Skin Research and Technology, 2013, 19, e332-8.	1.6	12
13	Relationship between perceived softness of bilayered skin models and their mechanical properties measured with a dualâ€sensor probe. International Journal of Cosmetic Science, 2013, 35, 84-88.	2.6	12
14	A Novel Multimodal Tactile Module that Can Provide Vibro-Thermal Feedback. Lecture Notes in Electrical Engineering, 2018, , 437-443.	0.4	12
15	Tactile sensation with high-density pin-matrix. , 2005, , .		10
16	Sex difference in human fingertip recognition of micronâ€level randomness as unpleasant. International Journal of Cosmetic Science, 2011, 33, 346-350.	2.6	10
17	Distinct intracellular calcium responses of individual cultured human keratinocytes to air pressure changes. Skin Research and Technology, 2013, 19, 346-351.	1.6	10
18	Dynamics and Perception in the Thermal Grill Illusion. IEEE Transactions on Haptics, 2019, 12, 604-614.	2.7	10

#	Article	IF	Citations
19	Pop Up!. , 2004, , .		9
20	External negative electric potential accelerates exocytosis of lamellar bodies in human skin ex vivo. Experimental Dermatology, 2013, 22, 421-423.	2.9	9
21	Frontiers in epidermal barrier homeostasis â€“ an approach to mathematical modelling of epidermal calcium dynamics. Experimental Dermatology, 2014, 23, 79-82.	2.9	9
22	Smart glasses with a peripheral vision display. , 2016, , .		8
23	Sensory words may facilitate certain haptic exploratory procedures in facial cosmetics. International Journal of Cosmetic Science, 2021, 43, 78-87.	2.6	7
24	Tactile Illusion Caused by Tangential Skin Strain and Analysis in Terms of Skin Deformation. Lecture Notes in Computer Science, 2008, , 229-237.	1.3	7
25	Vibration Enhances Geometry Perception with Tactile Shape Displays. , 2007, , .		6
26	Proximal Binaural Sound Can Induce Subjective Frisson. Frontiers in Psychology, 2020, 11, 316.	2.1	6
27	Dark, loud, and compact sounds induce frisson. Quarterly Journal of Experimental Psychology, 2021, 74, 1140-1152.	1.1	6
28	In vitro formation of organized structure between keratinocytes and dorsalâ€rootâ€ganglion cells. Experimental Dermatology, 2012, 21, 886-888.	2.9	5
29	Twech. , 2015, , .		5
30	Nene. , 2017, , .		5
31	Surface texture can bias tactile form perception. Experimental Brain Research, 2011, 208, 151-156.	1.5	4
32	TECHTILE Workshop for Creating Haptic Content. , 2016, , 185-200.		4
33	Extra-normal interactions in mediated virtual environments: An investigation of an audio-visual crossed-sense modality. , 2016, , .		3
34	Personalized record of the city wander with a wearable device. , 2016, , .		3
35	Embossed touch display. , 2006, , .		2
36	Too hot, too fast! Using the thermal grill illusion to explore dynamic thermal perception. , 2018, , .		2

#	Article	IF	Citations
37	Comprehensive analysis of elemental distribution in human skin using laser ablation inductively coupled plasma mass spectrometry. Skin Research and Technology, 2020, 27, 576-581.	1.6	2
38	Pop Up!: 3D Form Display with Coil-type Shape Memory Alloy. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television Engineers, 2006, 60, 183-191.	0.1	2
39	Cultural Differences in Mentally Evoked Haptic Exploratory Procedures between Asia, Europe, and North America. , 2022, , .		2
40	Novel tactile contour presentation. , 2006, , .		1
41	Temporal coherency of mechanical stimuli modulates tactile form perception. Scientific Reports, 2021, 11, 11737.	3.3	1
42	Recreating tactile stimulus for graphic image. , 2006, , .		0
43	Twech. , 2015, , .		0
44	The Thermal Feedback Influencer: Wearable Thermal Display for Enhancing the Experience of Music Listening. Lecture Notes in Electrical Engineering, 2019, , 162-168.	0.4	0