

C Elaine Chapman

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,837
citations

279778

23
h-index

414395

32
g-index

36
all docs

36
docs citations

36
times ranked

1306
citing authors

#	ARTICLE	IF	CITATIONS
1	Active versus passive touch: factors influencing the transmission of somatosensory signals to primary somatosensory cortex. <i>Canadian Journal of Physiology and Pharmacology</i> , 1994, 72, 558-570.	1.4	205
2	Role of friction and tangential force variation in the subjective scaling of tactile roughness. <i>Experimental Brain Research</i> , 2002, 144, 211-223.	1.5	194
3	Neuronal Encoding of Texture Changes in the Primary and the Secondary Somatosensory Cortical Areas of Monkeys During Passive Texture Discrimination. <i>Journal of Neurophysiology</i> , 1997, 77, 1656-1662.	1.8	129
4	Relative effects of the spatial and temporal characteristics of scanned surfaces on human perception of tactile roughness using passive touch. <i>Experimental Brain Research</i> , 2000, 132, 351-361.	1.5	115
5	Tactile acuity in the blind: A closer look reveals superiority over the sighted in some but not all cutaneous tasks. <i>Neuropsychologia</i> , 2009, 47, 2037-2043.	1.6	103
6	Time Course and Magnitude of Movement-Related Gating of Tactile Detection in Humans. I. Importance of Stimulus Location. <i>Journal of Neurophysiology</i> , 1998, 79, 947-963.	1.8	93
7	Haptic discrimination of object shape in humans: contribution of cutaneous and proprioceptive inputs. <i>Experimental Brain Research</i> , 2002, 145, 251-260.	1.5	83
8	Effects of a Cross-Modal Manipulation of Attention on Somatosensory Cortical Neuronal Responses to Tactile Stimuli in the Monkey. <i>Journal of Neurophysiology</i> , 2002, 88, 3133-3149.	1.8	77
9	Differential Controls Over Tactile Detection in Humans by Motor Commands and Peripheral Reafference. <i>Journal of Neurophysiology</i> , 2006, 96, 1664-1675.	1.8	74
10	Time Course and Magnitude of Movement-Related Gating of Tactile Detection in Humans. III. Effect of Motor Tasks. <i>Journal of Neurophysiology</i> , 2002, 88, 1968-1979.	1.8	73
11	Tactile Speed Scaling: Contributions of Time and Space. <i>Journal of Neurophysiology</i> , 2008, 99, 1422-1434.	1.8	73
12	Independent Controls of Attentional Influences in Primary and Secondary Somatosensory Cortex. <i>Journal of Neurophysiology</i> , 2005, 94, 4094-4107.	1.8	63
13	Tactile acuity in the blind: a psychophysical study using a two-dimensional angle discrimination task. <i>Experimental Brain Research</i> , 2008, 187, 587-594.	1.5	54
14	Perception of Simulated Local Shapes Using Active and Passive Touch. <i>Journal of Neurophysiology</i> , 2009, 102, 3519-3529.	1.8	46
15	A critical speed for gating of tactile detection during voluntary movement. <i>Experimental Brain Research</i> , 2011, 210, 291-301.	1.5	45
16	Time Course and Magnitude of Movement-Related Gating of Tactile Detection in Humans. II. Effects of Stimulus Intensity. <i>Journal of Neurophysiology</i> , 2000, 84, 863-875.	1.8	44
17	Haptic discrimination of object shape in humans: two-dimensional angle discrimination. <i>Experimental Brain Research</i> , 2002, 145, 239-250.	1.5	43
18	Central neural mechanisms contributing to the perception of tactile roughness. <i>Behavioural Brain Research</i> , 2002, 135, 225-233.	2.2	37

#	ARTICLE	IF	CITATIONS
19	Modulation of the response to a somatosensory stimulation of the hand during the observation of manual actions. <i>Experimental Brain Research</i> , 2011, 208, 11-19.	1.5	34
20	Neuronal correlates of tactile speed in primary somatosensory cortex. <i>Journal of Neurophysiology</i> , 2013, 110, 1554-1566.	1.8	33
21	Tactile suppression of displacement. <i>Experimental Brain Research</i> , 2010, 206, 299-310.	1.5	32
22	Tactile perception of roughness: raised-dot spacing, density and disposition. <i>Experimental Brain Research</i> , 2009, 197, 235-244.	1.5	26
23	Physical determinants of the shape of the psychophysical curve relating tactile roughness to raised-dot spacing: implications for neuronal coding of roughness. <i>Journal of Neurophysiology</i> , 2013, 109, 1403-1415.	1.8	24
24	Tactile texture signals in primate primary somatosensory cortex and their relation to subjective roughness intensity. <i>Journal of Neurophysiology</i> , 2016, 115, 1767-1785.	1.8	22
25	Role of Primary Somatosensory Cortex in Active and Passive Touch. , 1996, , 329-347.		20
26	Haptic discrimination of two-dimensional angles: influence of exploratory strategy. <i>Experimental Brain Research</i> , 2007, 178, 240-251.	1.5	18
27	Instructed Delay Discharge in Primary and Secondary Somatosensory Cortex Within the Context of a Selective Attention Task. <i>Journal of Neurophysiology</i> , 2009, 101, 2649-2667.	1.8	18
28	Haptic shape discrimination in humans: insight into haptic frames of reference. <i>Experimental Brain Research</i> , 2005, 164, 347-356.	1.5	12
29	Context-dependent tactile texture-sensitivity in monkey M1 and S1 cortex. <i>Journal of Neurophysiology</i> , 2018, 120, 2334-2350.	1.8	12
30	Perception of local DC and AC electric fields in humans. <i>Bioelectromagnetics</i> , 2005, 26, 357-366.	1.6	11
31	Factors influencing the perception of tactile stimuli during movement. , 1996, , 307-320.		8
32	Haptic two-dimensional angle categorization and discrimination. <i>Experimental Brain Research</i> , 2014, 232, 369-383.	1.5	7
33	Effect of Tactile Feedback on Movement Speed and Precision During Work-Related Tasks Using a Computer Mouse. <i>Human Factors</i> , 2005, 47, 816-826.	3.5	5
34	Differential effects of the mode of touch, active and passive, on experience-driven plasticity in the S1 cutaneous digit representation of adult macaque monkeys. <i>Journal of Neurophysiology</i> , 2020, 123, 1072-1089.	1.8	2
35	Tactile Textureâ†, 2017, , .		0