

Tobias Heed

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,973
citations

279798

23
h-index

276875

41
g-index

76
all docs

76
docs citations

76
times ranked

1401
citing authors

#	ARTICLE	IF	CITATIONS
1	Developmental vision determines the reference frame for the multisensory control of action. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4753-4758.	7.1	159
2	Spatial remapping of touch: Confusion of perceived stimulus order across hand and foot. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11808-11813.	7.1	136
3	Using time to investigate space: a review of tactile temporal order judgments as a window onto spatial processing in touch. Frontiers in Psychology, 2014, 5, 76.	2.1	102
4	Tactile remapping: from coordinate transformation to integration in sensorimotor processing. Trends in Cognitive Sciences, 2015, 19, 251-258.	7.8	102
5	Functional Rather than Effector-Specific Organization of Human Posterior Parietal Cortex. Journal of Neuroscience, 2011, 31, 3066-3076.	3.6	96
6	Common Anatomical and External Coding for Hands and Feet in Tactile Attention: Evidence from Event-related Potentials. Journal of Cognitive Neuroscience, 2010, 22, 184-202.	2.3	92
7	On the relationship between slow cortical potentials and BOLD signal changes in humans. International Journal of Psychophysiology, 2008, 67, 252-261.	1.0	89
8	Others' Actions Reduce Crossmodal Integration in Peripersonal Space. Current Biology, 2010, 20, 1345-1349.	3.9	75
9	Change of reference frame for tactile localization during child development. Developmental Science, 2009, 12, 929-937.	2.4	62
10	Which limb is it? Responses to vibrotactile stimulation in early infancy. British Journal of Developmental Psychology, 2018, 36, 384-401.	1.7	61
11	Towards explaining spatial touch perception: Weighted integration of multiple location codes. Cognitive Neuropsychology, 2016, 33, 26-47.	1.1	59
12	Understanding Effector Selectivity in Human Posterior Parietal Cortex by Combining Information Patterns and Activation Measures. Journal of Neuroscience, 2014, 34, 7102-7112.	3.6	57
13	State estimation in posterior parietal cortex: Distinct poles of environmental and bodily states. Progress in Neurobiology, 2019, 183, 101691.	5.7	57
14	Development of reaching to the body in early infancy: From experiments to robotic models. , 2017, , .		51
15	Interactions of different body parts in peripersonal space: how vision of the foot influences tactile perception at the hand. Experimental Brain Research, 2009, 192, 703-715.	1.5	48
16	Action goal selection and motor planning can be dissociated by tool use. Cognition, 2008, 109, 363-371.	2.2	46
17	Integration of hand and finger location in external spatial coordinates for tactile localization.. Journal of Experimental Psychology: Human Perception and Performance, 2012, 38, 386-401.	0.9	43
18	Visual information and rubber hand embodiment differentially affect reach-to-grasp actions. Acta Psychologica, 2011, 138, 263-271.	1.5	41

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19	Flexibly weighted integration of tactile reference frames. <i>Neuropsychologia</i> , 2015, 70, 367-374.	1.6	41
20	Feeling a Touch to the Hand on the Foot. <i>Current Biology</i> , 2019, 29, 1491-1497.e4.	3.9	40
21	Functional versus effector-specific organization of the human posterior parietal cortex: revisited. <i>Journal of Neurophysiology</i> , 2016, 116, 1885-1899.	1.8	34
22	Tight covariation of BOLD signal changes and slow ERPs in the parietal cortex in a parametric spatial imagery task with haptic acquisition. <i>European Journal of Neuroscience</i> , 2006, 23, 1910-1918.	2.6	32
23	Oscillatory activity reflects differential use of spatial reference frames by sighted and blind individuals in tactile attention. <i>NeuroImage</i> , 2015, 117, 417-428.	4.2	30
24	Integration of anatomical and external response mappings explains crossing effects in tactile localization: A probabilistic modeling approach. <i>Psychonomic Bulletin and Review</i> , 2016, 23, 387-404.	2.8	30
25	Processing load impairs coordinate integration for the localization of touch. <i>Attention, Perception, and Psychophysics</i> , 2014, 76, 1136-1150.	1.3	28
26	Multiple spatial representations determine touch localization on the fingers.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2014, 40, 784-801.	0.9	24
27	The neural basis of lip-reading capabilities is altered by early visual deprivation. <i>Neuropsychologia</i> , 2010, 48, 2158-2166.	1.6	23
28	Motor coordination uses external spatial coordinates independent of developmental vision. <i>Cognition</i> , 2014, 132, 1-15.	2.2	21
29	The implicit use of spatial information develops later for crossmodal than for intramodal temporal processing. <i>Cognition</i> , 2013, 126, 301-306.	2.2	20
30	Visual target selection and motor planning define attentional enhancement at perceptual processing stages. <i>Frontiers in Human Neuroscience</i> , 2010, 4, 14.	2.0	19
31	External location of touch is constructed post-hoc based on limb choice. <i>ELife</i> , 2020, 9, .	6.0	19
32	Influence of visual information on the auditory median plane of the head. <i>NeuroReport</i> , 2002, 13, 1627-1629.	1.2	18
33	Disentangling the External Reference Frames Relevant to Tactile Localization. <i>PLoS ONE</i> , 2016, 11, e0158829.	2.5	16
34	Eye-movement-driven changes in the perception of auditory space. <i>Attention, Perception, and Psychophysics</i> , 2010, 72, 736-746.	1.3	15
35	Movement Induces the Use of External Spatial Coordinates for Tactile Localization in Congenitally Blind Humans. <i>Multisensory Research</i> , 2015, 28, 173-194.	1.1	15
36	Task demands affect spatial reference frame weighting during tactile localization in sighted and congenitally blind adults. <i>PLoS ONE</i> , 2017, 12, e0189067.	2.5	14

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37	Reach Trajectories Characterize Tactile Localization for Sensorimotor Decision Making. <i>Journal of Neuroscience</i> , 2015, 35, 13648-13658.	3.6	13
38	Neural correlates of tactile perception during pre-, peri-, and post-movement. <i>Experimental Brain Research</i> , 2016, 234, 1293-1305.	1.5	13
39	Irrelevant tactile stimulation biases visual exploration in external coordinates. <i>Scientific Reports</i> , 2015, 5, 10664.	3.3	12
40	No Evidence for a Role of Spatially Modulated $\hat{\mu}$ -Band Activity in Tactile Remapping and Short-Latency, Overt Orienting Behavior. <i>Journal of Neuroscience</i> , 2020, 40, 9088-9102.	3.6	12
41	Alpha-band oscillations reflect external spatial coding for tactile stimuli in sighted, but not in congenitally blind humans. <i>Scientific Reports</i> , 2019, 9, 9215.	3.3	10
42	Abstract spatial, but not body-related, visual information guides bimanual coordination. <i>Scientific Reports</i> , 2017, 7, 16732.	3.3	9
43	Visuotactile interactions in the congenitally acallosal brain: Evidence for early cerebral plasticity. <i>Neuropsychologia</i> , 2011, 49, 3908-3916.	1.6	8
44	Presaccadic attention interferes with feature detection. <i>Experimental Brain Research</i> , 2010, 201, 111-117.	1.5	7
45	Touch Perception: How We Know Where We Are Touched. <i>Current Biology</i> , 2010, 20, R604-R606.	3.9	7
46	Development of the spatial coding of touch: ability vs. automaticity. <i>Developmental Science</i> , 2014, 17, 944-945.	2.4	7
47	No effect of triple-pulse TMS medial to intraparietal sulcus on online correction for target perturbations during goal-directed hand and foot reaches. <i>PLoS ONE</i> , 2019, 14, e0223986.	2.5	7
48	Online sensory feedback during active search improves tactile localization.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2020, 46, 697-715.	0.9	7
49	The macaque ventral intraparietal area has expanded into three homologue human parietal areas. <i>Progress in Neurobiology</i> , 2022, 209, 102185.	5.7	6
50	Implications of Action-Oriented Paradigm Shifts in Cognitive Science. , 2016, , 333-356.		5
51	Multisensory integration across the menstrual cycle. <i>Frontiers in Psychology</i> , 2013, 4, 666.	2.1	4
52	Tool Use: Two Mechanisms but One Experience. <i>Current Biology</i> , 2019, 29, R1301-R1303.	3.9	3
53	The Body in a Multisensory World. <i>Frontiers in Neuroscience</i> , 2011, , 557-580.	0.0	3
54	Human Peripersonal Space: Evidence from Functional Magnetic Resonance Imaging. <i>Journal of Neuroscience</i> , 2007, 27, 3616-3617.	3.6	2

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55	Modeling body posture effects on reference frame integration. Multisensory Research, 2013, 26, 8.	1.1	2
56	Somatosensation: Putting Touch On the Map. Current Biology, 2014, 24, R119-R120.	3.9	2
57	The Body in a Multisensory World. Frontiers in Neuroscience, 2011, , 557-580.	0.0	2
58	Repetition effects in action planning reflect effector- but not hemisphere-specific coding. Journal of Neurophysiology, 2021, 126, 2001-2013.	1.8	2
59	Illusory tactile movement crosses arms and legs and is coded in external space. Cortex, 2022, 149, 202-225.	2.4	2
60	The development of intramodal and crossmodal temporal order judgments. Seeing and Perceiving, 2012, 25, 202.	0.3	0