Tobias Heed

List of Publications by Year in descending order

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	The macaque ventral intraparietal area has expanded into three homologue human parietal areas. Progress in Neurobiology, 2022, 209, 102185.	5.7	6
2	Illusory tactile movement crosses arms and legs and is coded in external space. Cortex, 2022, 149, 202-225.	2.4	2
3	Repetition effects in action planning reflect effector- but not hemisphere-specific coding. Journal of Neurophysiology, 2021, 126, 2001-2013.	1.8	2
4	No Evidence for a Role of Spatially Modulated Î±-Band Activity in Tactile Remapping and Short-Latency, Overt Orienting Behavior. Journal of Neuroscience, 2020, 40, 9088-9102.	3.6	12
5	External location of touch is constructed post-hoc based on limb choice. ELife, 2020, 9, .	6.0	19
6	Online sensory feedback during active search improves tactile localization.. Journal of Experimental Psychology: Human Perception and Performance, 2020, 46, 697-715.	0.9	7
7	State estimation in posterior parietal cortex: Distinct poles of environmental and bodily states. Progress in Neurobiology, 2019, 183, 101691.	5.7	57
8	Alpha-band oscillations reflect external spatial coding for tactile stimuli in sighted, but not in congenitally blind humans. Scientific Reports, 2019, 9, 9215.	3.3	10
9	Feeling a Touch to the Hand on the Foot. Current Biology, 2019, 29, 1491-1497.e4.	3.9	40
10	No effect of triple-pulse TMS medial to intraparietal sulcus on online correction for target perturbations during goal-directed hand and foot reaches. PLoS ONE, 2019, 14, e0223986.	2.5	7
11	Tool Use: Two Mechanisms but One Experience. Current Biology, 2019, 29, R1301-R1303.	3.9	3
12	Which limb is it? Responses to vibrotactile stimulation in early infancy. British Journal of Developmental Psychology, 2018, 36, 384-401.	1.7	61
13	Abstract spatial, but not body-related, visual information guides bimanual coordination. Scientific Reports, 2017, 7, 16732.	3.3	9
14	Development of reaching to the body in early infancy: From experiments to robotic models. , 2017, , .		51
15	Task demands affect spatial reference frame weighting during tactile localization in sighted and congenitally blind adults. PLoS ONE, 2017, 12, e0189067.	2.5	14
16	Functional versus effector-specific organization of the human posterior parietal cortex: revisited. Journal of Neurophysiology, 2016, 116, 1885-1899.	1.8	34
17	Towards explaining spatial touch perception: Weighted integration of multiple location codes. Cognitive Neuropsychology, 2016, 33, 26-47.	1.1	59
18	Integration of anatomical and external response mappings explains crossing effects in tactile localization: A probabilistic modeling approach. Psychonomic Bulletin and Review, 2016, 23, 387-404.	2.8	30

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19	Neural correlates of tactile perception during pre-, peri-, and post-movement. Experimental Brain Research, 2016, 234, 1293-1305.	1.5	13
20	Disentangling the External Reference Frames Relevant to Tactile Localization. PLoS ONE, 2016, 11, e0158829.	2.5	16
21	Implications of Action-Oriented Paradigm Shifts in Cognitive Science. , 2016, , 333-356.		5
22	Irrelevant tactile stimulation biases visual exploration in external coordinates. Scientific Reports, 2015, 5, 10664.	3.3	12
23	Movement Induces the Use of External Spatial Coordinates for Tactile Localization in CongenitallyÂBlind Humans. Multisensory Research, 2015, 28, 173-194.	1.1	15
24	Flexibly weighted integration of tactile reference frames. Neuropsychologia, 2015, 70, 367-374.	1.6	41
25	Tactile remapping: from coordinate transformation to integration in sensorimotor processing. Trends in Cognitive Sciences, 2015, 19, 251-258.	7.8	102
26	Reach Trajectories Characterize Tactile Localization for Sensorimotor Decision Making. Journal of Neuroscience, 2015, 35, 13648-13658.	3.6	13
27	Oscillatory activity reflects differential use of spatial reference frames by sighted and blind individuals in tactile attention. NeuroImage, 2015, 117, 417-428.	4.2	30
28	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
29	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
30	Multiple spatial representations determine touch localization on the fingers.. Journal of Experimental Psychology: Human Perception and Performance, 2014, 40, 784-801.	0.9	24
31	Motor coordination uses external spatial coordinates independent of developmental vision. Cognition, 2014, 132, 1-15.	2.2	21
32	Processing load impairs coordinate integration for the localization of touch. Attention, Perception, and Psychophysics, 2014, 76, 1136-1150.	1.3	28
33	Somatosensation: Putting Touch OnÂthe Map. Current Biology, 2014, 24, R119-R120.	3.9	2
34	Development of the spatial coding of touch: ability vs. automaticity. Developmental Science, 2014, 17, 944-945.	2.4	7
35	The implicit use of spatial information develops later for crossmodal than for intramodal temporal processing. Cognition, 2013, 126, 301-306.	2.2	20
36	Modeling body posture effects on reference frameÂintegration. Multisensory Research, 2013, 26, 8.	1.1	2

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37	Multisensory integration across the menstrual cycle. Frontiers in Psychology, 2013, 4, 666.	2.1	4
38	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
39	The development of intramodal and crossmodalÂtemporalÂorderÂjudgments. Seeing and Perceiving, 2012, 25, 202.	0.3	0
40	Visuotactile interactions in the congenitally acallosal brain: Evidence for early cerebral plasticity. Neuropsychologia, 2011, 49, 3908-3916.	1.6	8
41	Visual information and rubber hand embodiment differentially affect reach-to-grasp actions. Acta Psychologica, 2011, 138, 263-271.	1.5	41
42	Functional Rather than Effector-Specific Organization of Human Posterior Parietal Cortex. Journal of Neuroscience, 2011, 31, 3066-3076.	3.6	96
43	The Body in a Multisensory World. Frontiers in Neuroscience, 2011, , 557-580.	0.0	3
44	The Body in a Multisensory World. Frontiers in Neuroscience, 2011, , 557-580.	0.0	2
45	Eye-movement-driven changes in the perception of auditory space. Attention, Perception, and Psychophysics, 2010, 72, 736-746.	1.3	15
46	Presaccadic attention interferes with feature detection. Experimental Brain Research, 2010, 201, 111-117.	1.5	7
47	The neural basis of lip-reading capabilities is altered by early visual deprivation. Neuropsychologia, 2010, 48, 2158-2166.	1.6	23
48	Touch Perception: How We Know Where We Are Touched. Current Biology, 2010, 20, R604-R606.	3.9	7
49	Others' Actions Reduce Crossmodal Integration in Peripersonal Space. Current Biology, 2010, 20, 1345-1349.	3.9	75
50	Visual target selection and motor planning define attentional enhancement at perceptual processing stages. Frontiers in Human Neuroscience, 2010, 4, 14.	2.0	19
51	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
52	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
53	Change of reference frame for tactile localization during child development. Developmental Science, 2009, 12, 929-937.	2.4	62
54	Action goal selection and motor planning can be dissociated by tool use. Cognition, 2008, 109, 363-371.	2.2	46

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55	On the relationship between slow cortical potentials and BOLD signal changes in humans. International Journal of Psychophysiology, 2008, 67, 252-261.	1.0	89
56	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
57	Human Peripersonal Space: Evidence from Functional Magnetic Resonance Imaging. Journal of Neuroscience, 2007, 27, 3616-3617.	3.6	2
58	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
59	Tight covariation of BOLD signal changes and slow ERPs in the parietal cortex in a parametric spatial imagery task with haptic acquisition. European Journal of Neuroscience, 2006, 23, 1910-1918.	2.6	32
60	Influence of visual information on the auditory median plane of the head. NeuroReport, 2002, 13, 1627-1629.	1.2	18