Hans-Otto Karnath

List of Publications by Year
in descending order

116	8,200	53794	51608
papers	citations	45 h-index	86 g-index

121	121	121	6293
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spatial awareness is a function of the temporal not the posterior parietal lobe. Nature, 2001, 411, 950-953.	27.8	799
2	Age-specific CT and MRI templates for spatial normalization. NeuroImage, 2012, 61, 957-965.	4.2	569
3	The Anatomy of Spatial Neglect based on Voxelwise Statistical Analysis: A Study of 140 Patients. Cerebral Cortex, 2004, 14, 1164-1172.	2.9	513
4	Awareness of the Functioning of One's Own Limbs Mediated by the Insular Cortex?. Journal of Neuroscience, 2005, 25, 7134-7138.	3.6	367
5	New insights into the functions of the superior temporal cortex. Nature Reviews Neuroscience, 2001, 2, 568-576.	10.2	316
6	The anatomy of spatial neglect. Neuropsychologia, 2012, 50, 1010-1017.	1.6	312
7	Cortical Control of Visually Guided Reaching: Evidence from Patients with Optic Ataxia. Cerebral Cortex, 2005, 15, 1561-1569.	2.9	290
8	Subjective body orientation in neglect and the interactive contribution of neck muscle proprioception and vestibular stimulation. Brain, 1994, 117, 1001-1012.	7.6	280
9	The anatomy underlying acute versus chronic spatial neglect: a longitudinal study. Brain, 2011, 134, 903-912.	7.6	228
10	A simple measure of neglect severity. Neuropsychologia, 2010, 48, 2758-2763.	1.6	208
11	Tight Link Between Our Sense of Limb Ownership and Self-Awareness of Actions. Stroke, 2008, 39, 486-488.	2.0	201
12	Right insula for our sense of limb ownership and self-awareness of actions. Brain Structure and Function, 2010, 214, 411-417.	2.3	184
13	Spatial neglectâ€"a vestibular disorder?. Brain, 2006, 129, 293-305.	7.6	164
14	Understanding and Treating â€œPusher Syndromeâ€• Physical Therapy, 2003, 83, 1119-1125.	2.4	142
15	Incidence of Visual Extinction After Left Versus Right Hemisphere Stroke. Stroke, 2007, 38, 3172-3174.	2.0	134
16	Mapping human brain lesions and their functional consequences. NeuroImage, 2018, 165, 180-189.	4.2	129
17	The Anatomy of Object Recognitionâ€"Visual Form Agnosia Caused by Medial Occipitotemporal Stroke. Journal of Neuroscience, 2009, 29, 5854-5862.	3.6	122
18	Fast semi-automated lesion demarcation in stroke. NeuroImage: Clinical, 2015, 9, 69-74.	2.7	119

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19	Damage to White Matter Fiber Tracts in Acute Spatial Neglect. Cerebral Cortex, 2009, 19, 2331-2337.	2.9	108
20	Depictive and metric body size estimation in anorexia nervosa and bulimia nervosa: A systematic review and meta-analysis. Clinical Psychology Review, 2017, 57, 21-31.	11.4	105
21	Impact of correction factors in human brain lesionâ€behavior inference. Human Brain Mapping, 2017, 38, 1692-1701.	3.6	102
22	Candidate Biomarkers in Children with Autism Spectrum Disorder: A Review of MRI Studies. Neuroscience Bulletin, 2017, 33, 219-237.	2.9	97
23	A hitchhiker's guide to lesion-behaviour mapping. Neuropsychologia, 2018, 115, 5-16.	1.6	97
24	Posterior thalamic hemorrhage induces â€œpusher syndromeâ€. Neurology, 2005, 64, 1014-1019.	1.1	89
25	Normalized perfusion MRI to identify common areas of dysfunction: patients with basal ganglia neglect. Brain, 2005, 128, 2462-2469.	7.6	83
26	Considering structural connectivity in the triple code model of numerical cognition: differential connectivity for magnitude processing and arithmetic facts. Brain Structure and Function, 2016, 221, 979-995.	2.3	83
27	Pusher Syndrome â€“ a frequent but little-known disturbance of body orientation perception. Journal of Neurology, 2007, 254, 415-424.	3.6	78
28	Spontaneous eye and head position in patients with spatial neglect. Journal of Neurology, 2005, 252, 1194-1200.	3.6	69
29	On the validity of lesion-behaviour mapping methods. Neuropsychologia, 2018, 115, 17-24.	1.6	68
30	Pseudoneglect in line bisection judgement is associated with a modulation of right hemispheric spatial attention dominance in right-handers. Neuropsychologia, 2017, 94, 75-83.	1.6	65
31	An empirical evaluation of multivariate lesion behaviour mapping using support vector regression. Human Brain Mapping, 2019, 40, 1381-1390.	3.6	65
32	Spatial attention systems in spatial neglect. Neuropsychologia, 2015, 75, 61-73.	1.6	62
33	Disturbed coordinate transformation in the neural representation of space as the crucial mechanism leading to neglect. Neuropsychological Rehabilitation, 1994, 4, 147-150.	1.6	61
34	Personal neglectâ€”A disorder of body representation?. Neuropsychologia, 2011, 49, 898-905.	1.6	61
35	Perfusion Imaging in Pusher Syndrome to Investigate the Neural Substrates Involved in Controlling Upright Body Position. PLoS ONE, 2009, 4, e5737.	2.5	60
36	The fate of global information in dorsal simultanagnosia. Neurocase, 2000, 6, 295-306.	0.6	58

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37	Time course of â€˜pusher syndromeâ€™ under visual feedback treatment. Physiotherapy Research International, 2004, 9, 138-143.	1.5	55
38	Neglect severity after left and right brain damage. Neuropsychologia, 2012, 50, 1136-1141.	1.6	54
39	Processing of auditory spatial cues in human cortex: An fMRI study. Neuropsychologia, 2006, 44, 454-461.	1.6	52
40	Kinematics of goal-directed arm movements in neglect: Control of hand in space. Neuropsychologia, 1997, 35, 435-444.	1.6	51
41	"Pusher syndrome" following cortical lesions that spare the thalamus. Journal of Neurology, 2006, 253, 455-463.	3.6	51
42	Errors on the Trail Making Test Are Associated with Right Hemispheric Frontal Lobe Damage in Stroke Patients. Behavioural Neurology, 2015, 2015, 1-10.	2.1	51
43	Cognitive reserve impacts on disability and cognitive deficits in acute stroke. Journal of Neurology, 2019, 266, 2495-2504.	3.6	51
44	Task-dependent differences in the exploratory behaviour of patients with spatial neglect. Neuropsychologia, 2002, 40, 1577-1585.	1.6	50
45	Vestibular Influence on Human Auditory Space Perception. Journal of Neurophysiology, 2000, 84, 1107-1111.	1.8	49
46	Neuroimaging of eye position reveals spatial neglect. Brain, 2010, 133, 909-914.	7.6	47
47	Subjective visual vertical (SVV) determined in a representative sample of 15 patients with pusher syndrome. Journal of Neurology, 2006, 253, 1367-1369.	3.6	46
48	Sound lateralization during passive whole-body rotation. European Journal of Neuroscience, 2001, 13, 2268-2272.	2.6	45
49	The cortical substrate of visual extinction. NeuroReport, 2003, 14, 437-42.	1.2	45
50	Understanding and treating "pusher syndrome". Physical Therapy, 2003, 83, 1119-25.	2.4	45
51	The next step in modern brain lesion analysis: multivariate pattern analysis. Brain, 2014, 137, 2405-2407.	7.6	44
52	Do brain tumours allow valid conclusions on the localisation of human brain functions? â€“ Objections. Cortex, 2011, 47, 1004-1006.	2.4	43
53	Neural Correlates of Sound Localization in Complex Acoustic Environments. PLoS ONE, 2013, 8, e64259.	2.5	40
54	Diagnostic validity of line bisection in the acute phase of stroke. Neuropsychologia, 2016, 82, 200-204.	1.6	40

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55	Investigating structure and function in the healthy human brain: validity of acute versus chronic lesion-symptom mapping. Brain Structure and Function, 2017, 222, 2059-2070.	2.3	40
56	Is space representation distorted in neglect?. Neuropsychologia, 1998, 37, 7-15.	1.6	39
57	Male advantage in sound localization at cocktail parties. Cortex, 2011, 47, 741-749.	2.4	38
58	Topography of acute stroke in a sample of 439 right brain damaged patients. NeuroImage: Clinical, 2016, 10, 124-128.	2.7	37
59	Restricted ocular exploration does not seem to explain simultanagnosia. Neuropsychologia, 2006, 44, 2330-2336.	1.6	33
60	Using SPM normalization for lesion analysis in spatial neglect. Brain, 2004, 127, E10-E10.	7.6	32
61	Testing the dual-pathway model for auditory processing in human cortex. NeuroImage, 2016, 124, 672-681.	4.2	31
62	New aspects for the physiotherapy of pushing behaviour. NeuroRehabilitation, 2005, 20, 133-138.	1.3	29
63	Using machine learning-based lesion behavior mapping to identify anatomical networks of cognitive dysfunction: Spatial neglect and attention. NeuroImage, 2019, 201, 116000.	4.2	29
64	Impaired perception of temporal order in auditory extinction. Neuropsychologia, 2002, 40, 1977-1982.	1.6	26
65	A network underlying human higher-order motor control: Insights from machine learning-based lesion-behaviour mapping in apraxia of pantomime. Cortex, 2019, 121, 308-321.	2.4	26
66	Neglect-like behavior in healthy subjects. Experimental Brain Research, 2003, 153, 231-238.	1.5	23
67	â€˜Whose atlas I use, his song I sing?â€™ â€“ The impact of anatomical atlases on fiber tract contributions to cognitive deficits after stroke. NeuroImage, 2017, 163, 301-309.	4.2	23
68	Object-based Neglect Varies with Egocentric Position. Journal of Cognitive Neuroscience, 2011, 23, 2983-2993.	2.3	22
69	Egocentric representations of space co-exist with allocentric representations: Evidence from spatial neglect. Cortex, 2014, 58, 161-169.	2.4	22
70	Hippocampal diaschisis contributes to anosognosia for hemiplegia: Evidence from lesion network-symptom-mapping. NeuroImage, 2020, 208, 116485.	4.2	22
71	Right-sided brain lesions predominate among patients with lesional mania: evidence from a systematic review and pooled lesion analysis. Translational Psychiatry, 2020, 10, 139.	4.8	21
72	Revisiting the cortical system for peripheral reaching at the parieto-occipital junction. Cortex, 2015, 64, 363-379.	2.4	19

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73	Investigating Body Image Disturbance in Anorexia Nervosa Using Novel Biometric Figure Rating Scales: A Pilot Study. European Eating Disorders Review, 2017, 25, 607-612.	4.1	19
74	Instructions for the Clinical Scale for Contraversive Pushing (SCP). Neurorehabilitation and Neural Repair, 2007, 21, 370-371.	2.9	18
75	A modified Camel and Cactus Test detects presymptomatic semantic impairment in genetic frontotemporal dementia within the GENFI cohort. Applied Neuropsychology Adult, 2022, 29, 112-119.	1.2	18
76	Mapping the human praxis network: an investigation of white matter disconnection in limb apraxia of gesture production. Brain Communications, 2022, 4, fcac004.	3.3	18
77	Postâ€stroke cognitive deficits rarely come alone: Handling coâ€morbidity in lesionâ€behaviour mapping. Human Brain Mapping, 2020, 41, 1387-1399.	3.6	17
78	Disconnection somewhere down the line: Multivariate lesion-symptom mapping of the line bisection error. Cortex, 2020, 133, 120-132.	2.4	17
79	Neural Correlates of Spatial Attention and Target Detection in a Multi-Target Environment. Cerebral Cortex, 2015, 25, 2321-2331.	2.9	16
80	Strategies for feature extraction from structural brain imaging in lesionâ€deficit modelling. Human Brain Mapping, 2021, 42, 5409-5422.	3.6	15
81	Comment on â€œMovement Intention After Parietal Cortex Stimulation in Humansâ€. Science, 2010, 327, 1200-1200.	12.6	12
82	Response to Comment on â€œMovement Intention After Parietal Cortex Stimulation in Humansâ€. Science, 2010, 327, 1200-1200.	12.6	12
83	Science Discussion Topic Strategies of Lesion Localization â€” Reply to Marshall, Fink, Halligan and Vallar. Cortex, 2002, 38, 258-260.	2.4	10
84	Body-relative horizontalâ€“vertical anisotropy in human representations of traveled distances. Experimental Brain Research, 2018, 236, 2811-2827.	1.5	10
85	Hemifield coding in ventral object-sensitive areas â€“ Evidence from visual hemiagnosia. Cortex, 2018, 98, 149-162.	2.4	9
86	Lesion-Behavior Mapping in Cognitive Neuroscience: A Practical Guide to Univariate and Multivariate Approaches. Neuromethods, 2019, , 209-238.	0.3	9
87	Bilateral Theta-Burst TMS to Influence Global Gestalt Perception. PLoS ONE, 2012, 7, e47820.	2.5	9
88	The Fate of Global Information in Dorsal Simultanagnosia. Neurocase, 2000, 6, 295-306.	0.6	9
89	Do patients with neglect show abnormal hand velocity profiles during tactile exploration of peripersonal space?. Experimental Brain Research, 1999, 128, 219-223.	1.5	8
90	Do patients with pure alexia suffer from a specific word form processing deficit? Evidence from â€˜wrods with trasnpsoed letetrsâ€™. Neuropsychologia, 2011, 49, 1294-1301.	1.6	8

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91	Anosognosia for hemiparesis after left-sided stroke. Cortex, 2014, 61, 120-126.	2.4	8
92	Reprint of: Mapping human brain lesions and their functional consequences. NeuroImage, 2019, 190, 4-13.	4.2	8
93	Changes in the perception of upright body orientation with age. PLoS ONE, 2020, 15, e0233160.	2.5	8
94	Disorganized behavior on Link's cube test is sensitive to right hemispheric frontal lobe damage in stroke patients. Frontiers in Human Neuroscience, 2014, 8, 79.	2.0	7
95	Apraxia of object-related action does not depend on visual feedback. Cortex, 2018, 99, 103-117.	2.4	7
96	Subcortical neglect is not always a transient phenomenon: Evidence from a 1-year follow-up study. Journal of Clinical and Experimental Neuropsychology, 2009, 31, 617-623.	1.3	6
97	Early sensory processing in right hemispheric stroke patients with and without extinction. Neuropsychologia, 2015, 73, 141-150.	1.6	6
98	Visual perception of oneâ€™s own body under vestibular stimulation using biometric self-avatars in virtual reality. PLoS ONE, 2019, 14, e0213944.	2.5	6
99	Body size perception in stroke patients with paresis. PLoS ONE, 2021, 16, e0252596.	2.5	6
100	The anatomy of spatial neglect after posterior cerebral artery stroke. Brain Communications, 2020, 2, fcaa163.	3.3	6
101	Perception of horizontal distances in patients with spatial neglect. Experimental Brain Research, 1998, 123, 190-191.	1.5	5
102	Stimulus size mediates Gestalt processes in object perception - evidence from simultanagnosia. Neuropsychologia, 2016, 89, 66-73.	1.6	5
103	Biased temporal order judgments in chronic neglect influenced by trunk position. Cortex, 2018, 99, 273-280.	2.4	5
104	Lying in a 3T MRI scanner induces neglect-like spatial attention bias. ELife, 2021, 10, .	6.0	5
105	Auditory Space Perception in the Blind: Horizontal Sound Localization in Acoustically Simple and Complex Situations. Perception, 2019, 48, 1039-1057.	1.2	4
106	Inhibition between human brain areas or methodological artefact?. Brain, 2020, 143, e38-e38.	7.6	3
107	Temporo-parietal brain regions are involved in higher order object perception. NeuroImage, 2021, 234, 117982.	4.2	3
108	Hemifield-specific color perception deficits after unilateral V4Î± lesions. Cortex, 2021, 142, 357-369.	2.4	3

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109	Spatial awareness is a function of the temporal not the posterior parietal lobe. , 0, .		3
110	The cognitive and neural bases of visually guided action. Experimental Brain Research, 2003, 153, 133-133.	1.5	1
111	Activities of the Right Temporo-Parieto-Occipital Junction Reflect Spatial Hearing Ability in Cochlear Implant Users. Frontiers in Neuroscience, 2021, 15, 613101.	2.8	1
112	Kortikale Kontrolle zielgerichteter Bewegungen. E-Neuroforum, 2004, 10, 200-205.	0.1	0
113	Simultanagnosia does not affect processes of auditory Gestalt perception. Neuropsychologia, 2017, 99, 279-285.	1.6	0
114	Caloric vestibular stimulation has no effect on perceived body size. Scientific Reports, 2019, 9, 11411.	3.3	0
115	Hemispheric Lateralization of Arithmetic Facts and Magnitude Processing for Two-Digit Numbers. Frontiers in Human Neuroscience, 2020, 14, 88.	2.0	0
116	The role of ventral stream areas for viewpoint-invariant object recognition. NeuroImage, 2022, 251, 119021.	4.2	0