Sebastian Ocklenburg

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Brain Lateralization: A Comparative Perspective. Physiological Reviews, 2020, 100, 1019-1063.	13.1	228
2	Human handedness: A meta-analysis Psychological Bulletin, 2020, 146, 481-524.	5.5	226
3	Ontogenesis of Lateralization. Neuron, 2017, 94, 249-263.	3.8	179
4	Limb preferences in non-human vertebrates. Laterality, 2013, 18, 536-575.	0.5	143
5	The ontogenesis of language lateralization and its relation to handedness. Neuroscience and Biobehavioral Reviews, 2014, 43, 191-198.	2.9	130
6	Hemispheric Asymmetries: The Comparative View. Frontiers in Psychology, 2012, 3, 5.	1.1	126
7	Diffusion markers of dendritic density and arborization in gray matter predict differences in intelligence. Nature Communications, 2018, 9, 1905.	5.8	119
8	Lateralisation of conspecific vocalisation in non-human vertebrates. Laterality, 2013, 18, 1-31.	0.5	103
9	Epigenetic regulation of lateralized fetal spinal gene expression underlies hemispheric asymmetries. ELife, 2017, 6, .	2.8	101
10	Handedness and the X chromosome: The role of androgen receptor CAG-repeat length. Scientific Reports, 2015, 5, 8325.	1.6	97
11	Handedness: A neurogenetic shift of perspective. Neuroscience and Biobehavioral Reviews, 2013, 37, 2788-2793.	2.9	96
12	Humans recognize emotional arousal in vocalizations across all classes of terrestrial vertebrates: evidence for acoustic universals. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170990.	1.2	93
13	Impaired spatial body representation in complex regional pain syndrome type 1 (CRPS I). Pain, 2012, 153, 2174-2181.	2.0	92
14	Left is where the L is right. Significantly delayed reaction time in limb laterality recognition in both CRPS and phantom limb pain patients. Neuroscience Letters, 2010, 486, 240-245.	1.0	91
15	Lateralized neural mechanisms underlying the modulation of response inhibition processes. NeuroImage, 2011, 55, 1771-1778.	2.1	89
16	Auditory Hallucinations and Reduced Language Lateralization in Schizophrenia: A Meta-analysis of Dichotic Listening Studies. Journal of the International Neuropsychological Society, 2013, 19, 410-418.	1.2	85
17	Stress and laterality $\hat{a} \in \hat{a}$ The comparative perspective. Physiology and Behavior, 2016, 164, 321-329.	1.0	85
18	PCSK6 VNTR Polymorphism Is Associated with Degree of Handedness but Not Direction of Handedness. PLoS ONE, 2013, 8, e67251.	1.1	80

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19	Intrahemispheric white matter asymmetries: the missing link between brain structure and functional lateralization?. Reviews in the Neurosciences, 2016, 27, 465-480.	1.4	80
20	Beyond the genome—Towards an epigenetic understanding of handedness ontogenesis. Progress in Neurobiology, 2017, 159, 69-89.	2.8	80
21	Laterality in the rubber hand illusion. Laterality, 2011, 16, 174-187.	0.5	78
22	Atypical lateralization in neurodevelopmental and psychiatric disorders: What is the role of stress?. Cortex, 2020, 125, 215-232.	1.1	75
23	"Likes―as social rewards: Their role in online social comparison and decisions to like other People's selfies. Computers in Human Behavior, 2019, 92, 76-86.	5.1	70
24	The Relationship Between Axon Density, Myelination, and Fractional Anisotropy in the Human Corpus Callosum. Cerebral Cortex, 2020, 30, 2042-2056.	1.6	70
25	Volition and academic achievement: Interindividual differences in action control mediate the effects of conscientiousness and sex on secondary school grading Motivation Science, 2018, 4, 262-273.	1.2	64
26	Laterality and mental disorders in the postgenomic age – A closer look at schizophrenia and language lateralization. Neuroscience and Biobehavioral Reviews, 2015, 59, 100-110.	2.9	61
27	Neurite architecture of the planum temporale predicts neurophysiological processing of auditory speech. Science Advances, 2018, 4, eaar6830.	4.7	56
28	Variation in the NMDA receptor 2B subunit gene GRIN2B is associated with differential language lateralization. Behavioural Brain Research, 2011, 225, 284-289.	1.2	54
29	#EEGManyLabs: Investigating the replicability of influential EEG experiments. Cortex, 2021, 144, 213-229.	1.1	52
30	Lateralization and cognitive systems. Frontiers in Psychology, 2014, 5, 1143.	1.1	49
31	Head-turning asymmetries during kissing and their association with lateral preference. Laterality, 2009, 14, 79-85.	0.5	48
32	The rubber hand illusion in complex regional pain syndrome: Preserved ability to integrate a rubber hand indicates intact multisensory integration â~†. Pain, 2013, 154, 1519-1527.	2.0	48
33	Laterality 2020: entering the next decade. Laterality, 2021, 26, 265-297.	0.5	48
34	Structural white matter asymmetries in relation to functional asymmetries during speech perception and production. NeuroImage, 2013, 83, 1088-1097.	2.1	47
35	Embracing your emotions: affective state impacts lateralisation of human embraces. Psychological Research, 2019, 83, 26-36.	1.0	45
36	The brain under stress—A systematic review and activation likelihood estimation meta-analysis of changes in BOLD signal associated with acute stress exposure. Neuroscience and Biobehavioral Reviews, 2021, 124, 89-99.	2.9	45

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37	Processing of fair and unfair offers in the ultimatum game under social observation. Scientific Reports, 2017, 7, 44062.	1.6	44
38	Hugs and kisses – The role of motor preferences and emotional lateralization for hemispheric asymmetries in human social touch. Neuroscience and Biobehavioral Reviews, 2018, 95, 353-360.	2.9	44
39	Handedness genetics: considering the phenotype. Frontiers in Psychology, 2014, 5, 1300.	1.1	43
40	Cholecystokinin A Receptor (CCKAR) Gene Variation Is Associated with Language Lateralization. PLoS ONE, 2013, 8, e53643.	1.1	42
41	Asymmetry in the Central Nervous System: A Clinical Neuroscience Perspective. Frontiers in Systems Neuroscience, 2021, 15, 733898.	1.2	42
42	FOXP2 variation modulates functional hemispheric asymmetries for speech perception. Brain and Language, 2013, 126, 279-284.	0.8	41
43	Visual experience affects handedness. Behavioural Brain Research, 2010, 207, 447-451.	1.2	40
44	Hemispheric asymmetries in cortical gray matter microstructure identified by neurite orientation dispersion and density imaging. NeuroImage, 2019, 189, 667-675.	2.1	40
45	Paw preferences in cats and dogs: Meta-analysis. Laterality, 2019, 24, 647-677.	0.5	37
46	Handedness and sex effects on lateral biases in human cradling: Three meta-analyses. Neuroscience and Biobehavioral Reviews, 2019, 104, 30-42.	2.9	36
47	Four meta-analyses across 164 studies on atypical footedness prevalence and its relation to handedness. Scientific Reports, 2020, 10, 14501.	1.6	36
48	Asymmetry of turning behavior in rats is modulated by early life stress. Behavioural Brain Research, 2020, 393, 112807.	1.2	35
49	Auditory space perception in left- and right-handers. Brain and Cognition, 2010, 72, 210-217.	0.8	34
50	Beyond frontal alpha: investigating hemispheric asymmetries over the EEG frequency spectrum as a function of sex and handedness. Laterality, 2019, 24, 505-524.	0.5	34
51	Consequences of different housing conditions on brain morphology in laying hens. Journal of Chemical Neuroanatomy, 2009, 37, 141-148.	1.0	31
52	The motor side of emotions: investigating the relationship between hemispheres, motor reactions and emotional stimuli. Psychological Research, 2012, 76, 311-316.	1.0	31
53	Abnormal interhemispheric motor interactions in patients with callosal agenesis. Behavioural Brain Research, 2015, 293, 1-9.	1.2	31
54	More than words (and faces): evidence for a Stroop effect of prosody inÂemotion word processing. Cognition and Emotion, 2017, 31, 879-891.	1.2	30

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55	Functional cerebral lateralization and interhemispheric interaction in patients with callosal agenesis Neuropsychology, 2015, 29, 806-815.	1.0	30
56	Sex differences in left–right confusion depend on hemispheric asymmetry. Cortex, 2009, 45, 891-899.	1.1	29
57	The Functional Genetics of Handedness and Language Lateralization: Insights from Gene Ontology, Pathway and Disease Association Analyses. Frontiers in Psychology, 2017, 8, 1144.	1.1	28
58	The Clinical Neuroscience of Lateralization. , 0, , .		28
59	Stress research during the COVID-19 pandemic and beyond. Neuroscience and Biobehavioral Reviews, 2021, 131, 581-596.	2.9	28
60	Association between shorter leukocyte telomeres and multiple sclerosis. Journal of Neuroimmunology, 2020, 341, 577187.	1.1	26
61	Using Mobile EEG to Investigate Alpha and Beta Asymmetries During Hand and Foot Use. Frontiers in Neuroscience, 2020, 14, 109.	1.4	26
62	Visual asymmetries and the ascending thalamofugal pathway in pigeons. Brain Structure and Function, 2013, 218, 1197-1209.	1.2	25
63	How minimal variations in neuronal cytoskeletal integrity modulate cognitive control. Neurolmage, 2019, 185, 129-139.	2.1	25
64	From structure to function in the lateralized brain: How structural properties of the arcuate and uncinate fasciculus are associated with dichotic listening performance. Neuroscience Letters, 2014, 580, 32-36.	1.0	24
65	Voxel-wise grey matter asymmetry analysis in left- and right-handers. Neuroscience Letters, 2016, 633, 210-214.	1.0	24
66	The neurophysiological correlates of handedness: Insights from the lateralized readiness potential. Behavioural Brain Research, 2019, 364, 114-122.	1.2	24
67	Hemispheric asymmetries in the amygdala: A comparative primer. Progress in Neurobiology, 2022, 214, 102283.	2.8	24
68	Building an Asymmetrical Brain: The Molecular Perspective. Frontiers in Psychology, 2019, 10, 982.	1.1	23
69	A large-scale estimate on the relationship between language and motor lateralization. Scientific Reports, 2020, 10, 13027.	1.6	23
70	Investigating real-life emotions in romantic couples: a mobile EEG study. Scientific Reports, 2021, 11, 1142.	1.6	23
71	Paw preferences in mice and rats: Meta-analysis. Neuroscience and Biobehavioral Reviews, 2021, 127, 593-606.	2.9	23

72 Structural Hemispheric Asymmetries. , 2018, , 239-262.

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73	Vegetarian diet and depression scores: A meta-analysis. Journal of Affective Disorders, 2021, 294, 813-815.	2.0	22
74	Frontal and parietal EEG alpha asymmetry: a large-scale investigation of short-term reliability on distinct EEG systems. Brain Structure and Function, 2022, 227, 725-740.	1.2	22
75	Sex differences in parking are affected by biological and social factors. Psychological Research, 2010, 74, 429-435.	1.0	21
76	Variability in ratings of trustworthiness across the menstrual cycle. Biological Psychology, 2013, 93, 52-57.	1.1	21
77	Electrophysiological correlates of performance monitoring under social observation in patients with social anxiety disorder and healthy controls. Biological Psychology, 2018, 132, 71-80.	1.1	21
78	Handedness and depression: A meta-analysis across 87 studies. Journal of Affective Disorders, 2021, 294, 200-209.	2.0	21
79	Hemispheric asymmetries and cognitive flexibility: An ERP and sLORETA study. Brain and Cognition, 2012, 78, 148-155.	0.8	20
80	Investigating heritability of laterality and cognitive control in speech perception. Brain and Cognition, 2016, 109, 34-39.	0.8	20
81	DNA methylation in candidate genes for handedness predicts handedness direction. Laterality, 2018, 23, 441-461.	0.5	20
82	Mental rotation does not account for sex differences in left–right confusion. Brain and Cognition, 2011, 76, 166-171.	0.8	19
83	Long-term reliability of the visual EEG Poffenberger paradigm. Behavioural Brain Research, 2017, 330, 85-91.	1.2	19
84	Callosal microstructure affects the timing of electrophysiological left-right differences. NeuroImage, 2017, 163, 310-318.	2.1	19
85	KIAA0319 promoter DNA methylation predicts dichotic listening performance in forced-attention conditions. Behavioural Brain Research, 2018, 337, 1-7.	1.2	19
86	Asymmetries in social touch—motor and emotional biases on lateral preferences in embracing, cradling and kissing. Laterality, 2020, 25, 325-348.	0.5	19
87	The rubber hand illusion modulates pseudoneglect. Neuroscience Letters, 2012, 523, 158-161.	1.0	18
88	Polygenic Scores for Cognitive Abilities and Their Association with Different Aspects of General Intelligence—A Deep Phenotyping Approach. Molecular Neurobiology, 2021, 58, 4145-4156.	1.9	17
89	Left-Right Axis Differentiation and Functional Lateralization: a Haplotype in the Methyltransferase Encoding Gene SETDB2 Might Mediate Handedness in Healthy Adults. Molecular Neurobiology, 2016, 53, 6355-6361.	1.9	16
90	Handedness in ADHD: Meta-Analyses. Neuropsychology Review, 2022, 32, 877-892.	2.5	16

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91	Response inhibition is modulated by functional cerebral asymmetries for facial expression perception. Frontiers in Psychology, 2013, 4, 879.	1.1	15
92	Interindividual differences in matrix reasoning are linked to functional connectivity between brain regions nominated by Parieto-Frontal Integration Theory. Intelligence, 2021, 87, 101545.	1.6	15
93	Left dominance for language perception starts in the extrastriate cortex: An ERP and sLORETA study. Behavioural Brain Research, 2015, 291, 325-333.	1.2	14
94	Myelin Water Fraction Imaging Reveals Hemispheric Asymmetries in Human White Matter That Are Associated with Genetic Variation in PLP1. Molecular Neurobiology, 2019, 56, 3999-4012.	1.9	14
95	Dichotic listening performance and interhemispheric integration after stress exposure. Scientific Reports, 2020, 10, 20804.	1.6	14
96	Maternal immune activation leads to atypical turning asymmetry and reduced DRD2 mRNA expression in a rat model of schizophrenia. Behavioural Brain Research, 2021, 414, 113504.	1.2	14
97	Prospective Evaluation of Predictive DNA Testing for Huntington's Disease in a Large German Center. Journal of Genetic Counseling, 2017, 26, 1029-1040.	0.9	13
98	Acute stress increases left hemispheric activity measured via changes in frontal alpha asymmetries. IScience, 2022, 25, 103841.	1.9	13
99	Symmetry and asymmetry in biological structures. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	13
100	Mammalian cadherins DCHS1-FAT4 affect functional cerebral architecture. Brain Structure and Function, 2016, 221, 2487-2491.	1.2	12
101	The Structural and Functional Signature of Action Control. Psychological Science, 2018, 29, 1620-1630.	1.8	12
102	Methylation of MORC1: A possible biomarker for depression?. Journal of Psychiatric Research, 2018, 103, 208-211.	1.5	12
103	The relationship between problem-solving ability and laterality in cats. Behavioural Brain Research, 2020, 391, 112691.	1.2	12
104	Tachistoscopic Viewing and Dichotic Listening. Neuromethods, 2017, , 3-28.	0.2	10
105	Effects of Emotional Valence on Hemispheric Asymmetries in Response Inhibition. Symmetry, 2017, 9, 145.	1.1	10
106	PLP1 and CNTN1 gene variation modulates the microstructure of human white matter in the corpus callosum. Brain Structure and Function, 2018, 223, 3875-3887.	1.2	10
107	Investigating the neural architecture of handedness. Frontiers in Psychology, 2015, 6, 148.	1.1	9
108	Learning Morse Code Alters Microstructural Properties in the Inferior Longitudinal Fasciculus: A DTI Study. Frontiers in Human Neuroscience, 2017, 11, 383.	1.0	9

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109	Response inhibition to emotional faces is modulated by functional hemispheric asymmetries linked to handedness. Brain and Cognition, 2020, 145, 105629.	0.8	9
110	MORC1 methylation and BDI are associated with microstructural features of the hippocampus and medial prefrontal cortex. Journal of Affective Disorders, 2021, 282, 91-97.	2.0	9
111	Visuotactile interactions in the congenitally acallosal brain: Evidence for early cerebral plasticity. Neuropsychologia, 2011, 49, 3908-3916.	0.7	8
112	The type of implicit motive enactment is modulated by sex hormones in naturally cycling women. Physiology and Behavior, 2014, 123, 119-126.	1.0	8
113	Cognitive Control Processes and Functional Cerebral Asymmetries: Association with Variation in the Handedness-Associated Gene LRRTM1. Molecular Neurobiology, 2018, 55, 2268-2274.	1.9	8
114	Fundamental or forgotten? Is Pierre Paul Broca still relevant in modern neuroscience?. Laterality, 2019, 24, 125-138.	0.5	8
115	lt's not me, it's you - Differential neural processing of social and non-social nogo cues in joint action. Social Neuroscience, 2019, 14, 114-124.	0.7	8
116	Myelin Genes and the Corpus Callosum: Proteolipid Protein 1 (PLP1) and Contactin 1 (CNTN1) Gene Variation Modulates Interhemispheric Integration. Molecular Neurobiology, 2017, 54, 7908-7916.	1.9	7
117	PLP1 Gene Variation Modulates Leftward and Rightward Functional Hemispheric Asymmetries. Molecular Neurobiology, 2018, 55, 7691-7700.	1.9	7
118	Handedness in twins: meta-analyses. BMC Psychology, 2022, 10, 11.	0.9	7
119	Romantic partner embraces reduce cortisol release after acute stress induction in women but not in men. PLoS ONE, 2022, 17, e0266887.	1.1	7
120	DNA methylation of dopamine-related gene promoters is associated with line bisection deviation in healthy adults. Scientific Reports, 2019, 9, 5902.	1.6	6
121	Polygenic scores for handedness and their association with asymmetries in brain structure. Brain Structure and Function, 2022, 227, 515-527.	1.2	6
122	Improved interhemispheric connectivity after stress during lexical decision making. Behavioural Brain Research, 2022, 418, 113648.	1.2	6
123	Tracking the Functional Development of the Corpus Callosum in Children Using Behavioral and Evoked Potential Interhemispheric Transfer Times. Developmental Neuropsychology, 2017, 42, 172-186.	1.0	5
124	Paw preferences in the Asian small-clawed otter – using an inexpensive, video-based protocol to study laterality of rare species in the zoo. Laterality, 2018, 23, 722-737.	0.5	5
125	Schizotypy and altered hemispheric asymmetries: The role of cilia genes. Psychiatry Research - Neuroimaging, 2019, 294, 110991.	0.9	5
126	Multisensory integration across the menstrual cycle. Frontiers in Psychology, 2013, 4, 666.	1.1	4

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127	Sex Differences in Hemispheric Asymmetries. , 2018, , 289-311.		4
128	Structural Asymmetry in the Frontal and Temporal Lobes Is Associated with PCSK6 VNTR Polymorphism. Molecular Neurobiology, 2019, 56, 7765-7773.	1.9	4
129	Boom Chack Boom—A multimethod investigation of motor inhibition in professional drummers. Brain and Behavior, 2020, 10, e01490.	1.0	4
130	Dichotic listening performance and interhemispheric integration after administration of hydrocortisone. Scientific Reports, 2021, 11, 21581.	1.6	4
131	Hemispheric Asymmetries Over the Lifespan. , 2018, , 263-288.		3
132	Language and the Left Hemisphere. , 2018, , 87-121.		3
133	Recognizing Yourself and Others—The Role of the Right Hemisphere for Face and Self Perception. , 2018, , 185-211.		3
134	Genetic variation in dopamine availability modulates the self-reported level of action control in a sex-dependent manner. Social Cognitive and Affective Neuroscience, 2019, 14, 759-768.	1.5	3
135	Lateralization of Auditory Processing of Silbo Gomero. Symmetry, 2020, 12, 1183.	1.1	3
136	Neurite density imaging in amygdala nuclei reveals interindividual differences in neuroticism. Human Brain Mapping, 2022, 43, 2051-2063.	1.9	3
137	The Genetics of Asymmetry: Whole Exome Sequencing in a Consanguineous Turkish Family with an Overrepresentation of Left-Handedness. Symmetry, 2017, 9, 66.	1.1	2
138	Understanding segregated laterality phenotypes needs a comparative perspective on both genotype and envirotype. Physics of Life Reviews, 2019, 30, 25-26.	1.5	2
139	Laterality 2020: Response to the article commentaries. Laterality, 2021, 26, 348-357.	0.5	2
140	The Connected Hemispheres—The Role of the Corpus Callosum for Hemispheric Asymmetries. , 2018, , 57-85.		1
141	Handedness and Other Behavioral Asymmetries. , 2018, , 123-158.		1
142	Hemispheric Asymmetries in Emotion Processing. , 2018, , 213-238.		1
143	Laterality. , 2022, , 350-356.		1
144	Cognitive and Neurophysiological Models of Brain Asymmetry. Symmetry, 2022, 14, 971.	1.1	1

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145	Brain Asymmetry. , 2015, , 806-812.		0
146	A commentary onÂKarlebach and Francks, (2015). Cortex, 2016, 75, 260-261.	1.1	0
147	Altered Hemispheric Asymmetries in Neurodevelopmental, Psychiatric, and Neurological Disorders. , 2018, , 313-338.		0
148	Brain Asymmetriesâ \in "Two Millennia of Speculation, Research and Discoveries. , 2018, , 1-25.		0
149	Evolution of Asymmetries. , 2018, , 27-55.		0
150	Spatial Attention, Neglect, and the Right Hemisphere. , 2018, , 159-184.		0
151	Brain lateralization and developmental disorders – A new approach to unified research. Laterality, 2019, 24, 253-254.	0.5	0
152	Manual laterality in marsupials. Laterality, 2019, 24, 373-375.	0.5	0
153	Distractibaking: A Note on the Psychology of Baking in Times of the COVID-19 Crisis. Gastronomica, 2020, 20, 5-6.	0.1	0
154	Lateralization in neurological disorders. , 2021, , 83-100.		0
155	Integration and outlook. , 2021, , 101-121.		0
156	Lateralization in psychiatric disorders. , 2021, , 52-82.		0
157	Social touch in the age of computational ethology: Embracing as a multidimensional and complex behaviour. Current Psychology, 0, , 1.	1.7	0