William D Hopkins

List of Publications by Year
in descending order

130 papers	7,530 citations	61984 43 h-index	62596 80 g-index
136 all docs	136 docs citations	136 times ranked	4952 citing authors

#	Article	IF	Citations
1	Genetic determinants of individual variation in the superior temporal sulcus of chimpanzees (Pan) Tj ETQq1 1 0.784314 rgBT /Overlo	2.9	5
2	Heritability in corpus callosum morphology and its association with tool use skill in chimpanzees (Pan troglodytes): Reproducibility in two genetically isolated populations. Genes, Brain and Behavior, 2022, 21, e12784.	2.2	5
3	Chimpanzee Extraversion scores vary with epigenetic modification of dopamine receptor gene D2 (DRD2) and early rearing conditions. Epigenetics, 2022, , 1-14.	2.7	4
4	Epigenetic ageing of the prefrontal cortex and cerebellum in humans and chimpanzees. Epigenetics, 2022, 17, 1774-1785.	2.7	5
5	Ageâ€related changes in chimpanzee (Pan troglodytes) cognition: Crossâ€sectional and longitudinal analyses. American Journal of Primatology, 2021, 83, e23214.	1.7	13
6	Comparative morphology of the corpus callosum across the adult lifespan in chimpanzees (<scp>Pan troglodytes</scp>) and humans. Journal of Comparative Neurology, 2021, 529, 1584-1596.	1.6	3
7	Chimpanzee histology and functional brain imaging show that the paracingulate sulcus is not human-specific. Communications Biology, 2021, 4, 54.	4.4	26
8	The Paracingulate Sulcus Is a Unique Feature of the Medial Frontal Cortex Shared by Great Apes and Humans. Brain, Behavior and Evolution, 2021, 96, 26-36.	1.7	9
9	Sulcal Morphology in Cingulate Cortex is Associated with Voluntary Oro-Facial Motor Control and Gestural Communication in Chimpanzees (Pan troglodytes). Cerebral Cortex, 2021, 31, 2845-2854.	2.9	13
10	Ageâ€and cognitionâ€related differences in the gray matter volume of the chimpanzee brain (Pan) Tj ETQq0 0 0 rgBT /Overlock 10 T Primatology, 2021, 83, e23264.	1.7	17
11	The nucleus accumbens and ventral pallidum exhibit greater dopaminergic innervation in humans compared to other primates. Brain Structure and Function, 2021, 226, 1909-1923.	2.3	6
12	Comparative analysis reveals distinctive epigenetic features of the human cerebellum. PLoS Genetics, 2021, 17, e1009506.	3.5	12
13	Predicting their past: Machine language learning can discriminate the brains of chimpanzees with different earlyâ€life social rearing experiences. Developmental Science, 2021, 24, e13114.	2.4	10
14	Gray Matter Variation in the Posterior Superior Temporal Gyrus Is Associated with Polymorphisms in theKIAA0319Gene in Chimpanzees (Pan troglodytes). ENeuro, 2021, 8, ENEURO.0169-21.2021.	1.9	3
15	AVPR1A variation is linked to gray matter covariation in the social brain network of chimpanzees. Genes, Brain and Behavior, 2020, 19, e12631.	2.2	14
16	Sulcal morphology of ventral temporal cortex is shared between humans and other hominoids. Scientific Reports, 2020, 10, 17132.	3.3	29
17	Age-related decline in executive function as a hallmark of cognitive ageing in primates: an overview of cognitive and neurobiological studies. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190618.	4.0	46
18	Neuron loss associated with age but not Alzheimer's disease pathology in the chimpanzee brain. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190619.	4.0	17

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19	Reproducibility of leftward planum temporale asymmetries in two genetically isolated populations of chimpanzees (Pan troglodytes). Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201320.	2.6	12
20	Cognitive control of orofacial motor and vocal responses in the ventrolateral and dorsomedial human frontal cortex. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4994-5005.	7.1	36
21	Differences in the mutual eye gaze of bonobos (Pan paniscus) and chimpanzees (Pan troglodytes).. Journal of Comparative Psychology (Washington, D C: 1983), 2020, 134, 318-322.	0.5	5
22	The role of early social rearing, neurological, and genetic factors on individual differences in mutual eye gaze among captive chimpanzees. Scientific Reports, 2020, 10, 7412.	3.3	12
23	Chimpanzee brain morphometry utilizing standardized MRI preprocessing and macroanatomical annotations. ELife, 2020, 9, .	6.0	20
24	Sulcal organization in the medial frontal cortex provides insights into primate brain evolution. Nature Communications, 2019, 10, 3437.	12.8	77
25	Investigating individual differences in chimpanzee mirror self-recognition and cortical thickness: A vertex-based and region-of-interest analysis. Cortex, 2019, 118, 306-314.	2.4	8
26	Astrocytic changes with aging and Alzheimer's diseaseâ€type pathology in chimpanzees. Journal of Comparative Neurology, 2019, 527, 1179-1195.	1.6	30
27	Heritability of Gray Matter Structural Covariation and Tool Use Skills in Chimpanzees (Pan) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 29, 3702-3711.	2.9	22
28	Further evidence of a left hemisphere specialization and genetic basis for tool use skill in chimpanzees (Pan troglodytes): Reproducibility in two genetically isolated populations of apes.. Journal of Comparative Psychology (Washington, D C: 1983), 2019, 133, 512-519.	0.5	14
29	Chimpanzees gesture to humans in mirrors: using reflection to dissociate seeing from line of gaze. Animal Behaviour, 2018, 135, 239-249.	1.9	20
30	Left Brain Asymmetry of the Planum Temporale in a Nonhominid Primate: Redefining the Origin of Brain Specialization for Language. Cerebral Cortex, 2018, 28, 1808-1815.	2.9	54
31	Human torque is not present in chimpanzee brain. NeuroImage, 2018, 165, 285-293.	4.2	27
32	Microglia changes associated to Alzheimer's disease pathology in aged chimpanzees. Journal of Comparative Neurology, 2018, 526, 2921-2936.	1.6	30
33	Early Socioemotional Intervention Mediates Long-Term Effects of Atypical Rearing on Structural Covariation in Gray Matter in Adult Chimpanzees. Psychological Science, 2018, 29, 594-603.	3.3	25
34	Vertex- and atlas-based comparisons in measures of cortical thickness, gyrification and white matter volume between humans and chimpanzees. Brain Structure and Function, 2017, 222, 229-245.	2.3	33
35	Genetic Factors and Orofacial Motor Learning Selectively Influence Variability in Central Sulcus Morphology in Chimpanzees (Pan troglodytes). Journal of Neuroscience, 2017, 37, 5475-5483.	3.6	17
36	Interhemispheric gene expression differences in the cerebral cortex of humans and macaque monkeys. Brain Structure and Function, 2017, 222, 3241-3254.	2.3	16

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37	Cognitive control of vocalizations in the primate ventrolateral-dorsomedial frontal (VLF-DMF) brain network. Neuroscience and Biobehavioral Reviews, 2017, 82, 32-44.	6.1	43
38	Aged chimpanzees exhibit pathologic hallmarks of Alzheimer's disease. Neurobiology of Aging, 2017, 59, 107-120.	3.1	93
39	Motor skill for tool-use is associated with asymmetries in Brocaâ€™s area and the motor hand area of the precentral gyrus in chimpanzees (Pan troglodytes). Behavioural Brain Research, 2017, 318, 71-81.	2.2	36
40	Lateralization and performance asymmetries in the termite fishing of wild chimpanzees in the goualougo triangle, republic of Congo. American Journal of Primatology, 2016, 78, 1190-1200.	1.7	16
41	Hand preference on unimanual and bimanual tasks in strepsirrhines: The case of the ringâ€tailed lemur (Lemur catta). American Journal of Primatology, 2016, 78, 851-860.	1.7	18
42	The heritability of chimpanzee and human brain asymmetry. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161319.	2.6	34
43	Differential serotonergic innervation of the amygdala in bonobos and chimpanzees. Social Cognitive and Affective Neuroscience, 2016, 11, 413-422.	3.0	47
44	Humanâ€specific increase of dopaminergic innervation in a striatal region associated with speech and language: A comparative analysis of the primate basal ganglia. Journal of Comparative Neurology, 2016, 524, 2117-2129.	1.6	32
45	Displacement behaviors in chimpanzees (Pan troglodytes): A neurogenomics investigation of the RDoC Negative Valence Systems domain. Psychophysiology, 2016, 53, 355-363.	2.4	20
46	Three actions, two groups: Looking for the origin of primate manual lateralization.. Journal of Comparative Psychology (Washington, D C: 1983), 2016, 130, 259-268.	0.5	13
47	Behavioral and brain asymmetries in primates: a preliminary evaluation of two evolutionary hypotheses. Annals of the New York Academy of Sciences, 2015, 1359, 65-83.	3.8	51
48	Distal Communication by Chimpanzees (Pan troglodytes): Evidence for Common Ground?. Child Development, 2015, 86, 1623-1638.	3.0	23
49	Relaxed genetic control of cortical organization in human brains compared with chimpanzees. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14799-14804.	7.1	151
50	Genetic basis in motor skill and hand preference for tool use in chimpanzees (Pan troglodytes). Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141223.	2.6	45
51	New human-specific brain landmark: The depth asymmetry of superior temporal sulcus. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1208-1213.	7.1	157
52	The more g-loaded, the more heritable, evolvable, and phenotypically variable: Homology with humans in chimpanzee cognitive abilities. Intelligence, 2015, 50, 159-163.	3.0	62
53	Genetic Influences on Receptive Joint Attention in Chimpanzees (Pan troglodytes). Scientific Reports, 2015, 4, 3774.	3.3	64
54	Different early rearing experiences have longâ€term effects on cortical organization in captive chimpanzees (Pan troglodytes). Developmental Science, 2014, 17, 161-174.	2.4	46

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55	Evolution of the Central Sulcus Morphology in Primates. Brain, Behavior and Evolution, 2014, 84, 19-30.	1.7	47
56	Why primate models matter. American Journal of Primatology, 2014, 76, 801-827.	1.7	451
57	Age-related effects in the neocortical organization of chimpanzees: Gray and white matter volume, cortical thickness, and gyrification. NeuroImage, 2014, 101, 59-67.	4.2	39
58	Chimpanzee Intelligence Is Heritable. Current Biology, 2014, 24, 1649-1652.	3.9	142
59	Cognitive and motor aging in female chimpanzees. Neurobiology of Aging, 2014, 35, 623-632.	3.1	48
60	Initiation of Joint Attention is Associated with Morphometric Variation in the Anterior Cingulate Cortex of Chimpanzees (Pan troglodytes). American Journal of Primatology, 2013, 75, 441-449.	1.7	19
61	Increased morphological asymmetry, evolvability and plasticity in human brain evolution. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130575.	2.6	79
62	Synaptogenesis and development of pyramidal neuron dendritic morphology in the chimpanzee neocortex resembles humans. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10395-10401.	7.1	112
63	Performance asymmetries in tool use are associated with corpus callosum integrity in chimpanzees (Pan troglodytes): A diffusion tensor imaging study.. Behavioral Neuroscience, 2013, 127, 106-113.	1.2	6
64	Regional and Hemispheric Variation in Cortical Thickness in Chimpanzees (Pan troglodytes). Journal of Neuroscience, 2013, 33, 5241-5248.	3.6	30
65	Asymmetries of the Parietal Operculum in Chimpanzees (Pan troglodytes) in Relation to Handedness for Tool Use. Cerebral Cortex, 2013, 23, 411-422.	2.9	32
66	Neuroanatomical asymmetries and handedness in chimpanzees (Pan troglodytes): a case for continuity in the evolution of hemispheric specialization. Annals of the New York Academy of Sciences, 2013, 1288, 17-35.	3.8	41
67	Social learning of a communicative signal in captive chimpanzees. Biology Letters, 2012, 8, 498-501.	2.3	97
68	The neural and cognitive correlates of aimed throwing in chimpanzees: a magnetic resonance image and behavioural study on a unique form of social tool use. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 37-47.	4.0	41
69	Contrast of hemispheric lateralization for oro-facial movements between learned attention-getting sounds and species-typical vocalizations in chimpanzees: Extension in a second colony. Brain and Language, 2012, 123, 75-79.	1.6	23
70	Planum temporale asymmetries correlate with corpus callosum axon fiber density in chimpanzees (Pan) Tj ETQq0 0 0 rgBT /Overlock 10	2.2	11
71	Cortical sulci asymmetries in chimpanzees and macaques: A new look at an old idea. NeuroImage, 2012, 61, 533-541.	4.2	44
72	Neuropil distribution in the cerebral cortex differs between humans and chimpanzees. Journal of Comparative Neurology, 2012, 520, 2917-2929.	1.6	88

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73	Handedness for manual gestures in great apes. Gesture Studies, 2012, , 93-112.	0.6	17
74	Topography of the Chimpanzee Corpus Callosum. PLoS ONE, 2012, 7, e31941.	2.5	27
75	NONHUMAN PRIMATES DO DECLARE! DECLARATIVES AS EVIDENCE FOR MENTAL TIME-TRAVEL IN APES. , 2012, , .		1
76	BUILDING A LANGUAGE-COMPETENT SPECIES: CONTRIBUTIONS OF BRAIN AND ENVIRONMENT TO COGNITION AND COMMUNICATION IN APES AND MONKEYS. , 2012, , .		0
77	The role of socio-communicative rearing environments in the development of social and physical cognition in apes. Developmental Science, 2011, 14, 1459-1470.	2.4	73
78	Planum temporale grey matter asymmetries in chimpanzees (Pan troglodytes), vervet (Chlorocebus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2011, 49, 2004-2012.	1.6	45
79	Hand preferences for coordinated bimanual actions in 777 great apes: Implications for the evolution of handedness in Hominins. Journal of Human Evolution, 2011, 60, 605-611.	2.6	125
80	Aging of the cerebral cortex differs between humans and chimpanzees. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 13029-13034.	7.1	96
81	Surface-based method to evaluate global brain shape asymmetries in human and chimpanzee brains. , 2011, , .		3
82	Do chimpanzees have voluntary control of their facial expressions and vocalizations?. Advances in Interaction Studies, 2011, , 71-88.	2.0	27
83	Crossâ€sectional analysis of the association between age and corpus callosum size in chimpanzees (Pan troglodytes). Developmental Psychobiology, 2010, 52, 133-141.	1.6	21
84	Broca's Area Homologue in Chimpanzees (Pan troglodytes): Probabilistic Mapping, Asymmetry, and Comparison to Humans. Cerebral Cortex, 2010, 20, 730-742.	2.9	169
85	Wernicke's area homologue in chimpanzees (Pan troglodytes) and its relation to the appearance of modern human language. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 2165-2174.	2.6	87
86	A Voxel-Based Morphometry Analysis of White Matter Asymmetries in Chimpanzees (Pan) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	1.7	13
87	The Impact of Environment on the Comprehension of Declarative Communication in Apes. Psychological Science, 2010, 21, 360-365.	3.3	149
88	Planum temporale surface area and grey matter asymmetries in chimpanzees (Pan troglodytes): The effect of handedness and comparison with findings in humans. Behavioural Brain Research, 2010, 208, 436-443.	2.2	78
89	Visualizing Vocal Perception in the Chimpanzee Brain. Cerebral Cortex, 2009, 19, 1151-1157.	2.9	71
90	A Comparative Magnetic Resonance Imaging Study of the Anatomy, Variability, and Asymmetry of Broca's Area in the Human and Chimpanzee Brain. Journal of Neuroscience, 2009, 29, 14607-14616.	3.6	80

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91	Volumetric and lateralized differences in selected brain regions of chimpanzees (<i>Pan) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.7	34
92	Tauopathy with paired helical filaments in an aged chimpanzee. Journal of Comparative Neurology, 2008, 509, 259-270.	1.6	129
93	Brief communication: Locomotor limb preferences in captive chimpanzees (Pan troglodytes): Implications for morphological asymmetries in limb bones. American Journal of Physical Anthropology, 2008, 137, 113-118.	2.1	11
94	Theoretical Speculations on the Evolutionary Origins of Hemispheric Specialization. Current Directions in Psychological Science, 2008, 17, 233-237.	5.3	35
95	Gray matter asymmetries in chimpanzees as revealed by voxel-based morphometry. NeuroImage, 2008, 42, 491-497.	4.2	61
96	Left Hemisphere Specialization for Oro-Facial Movements of Learned Vocal Signals by Captive Chimpanzees. PLoS ONE, 2008, 3, e2529.	2.5	41
97	HANDEDNESS FOR GESTURAL COMMUNICATION AND NON COMMUNICATIVE ACTIONS IN CHIMPANZEES AND BABOONS: IMPLICATIONS FOR LANGUAGE ORIGINS. , 2008, , .		0
98	Neuroanatomical Correlates of Handedness for Tool Use in Chimpanzees (Pan Troglodytes). Psychological Science, 2007, 18, 971-977.	3.3	78
99	The Association between Handedness, Brain Asymmetries, and Corpus Callosum Size in Chimpanzees (Pan troglodytes). Cerebral Cortex, 2007, 17, 1757-1765.	2.9	30
100	Handedness Is Associated with Asymmetries in Gyrification of the Cerebral Cortex of Chimpanzees. Cerebral Cortex, 2007, 17, 1750-1756.	2.9	26
101	Behavioral and neuroanatomical correlates of white matter asymmetries in chimpanzees (<i>Pan) Tj ETQq1 1 0.784314 rgBT /Overloc	2.6	8
102	Chimpanzees differentially produce novel vocalizations to capture the attention of a human. Animal Behaviour, 2007, 73, 281-286.	1.9	281
103	Handedness and Grooming in Pan troglodytes: Comparative Analysis Between Findings in Captive and Wild Individuals. International Journal of Primatology, 2007, 28, 1315-1326.	1.9	36
104	Chimpanzee Right-Handedness: Internal and External Validity in the Assessment of Hand Use. Cortex, 2006, 42, 90-93.	2.4	16
105	Lateralized scratching in chimpanzees (Pan troglodytes): Evidence of a functional asymmetry during arousal.. Emotion, 2006, 6, 553-559.	1.8	28
106	Sex and handedness effects on corpus callosum morphology in chimpanzees (Pan troglodytes).. Behavioral Neuroscience, 2006, 120, 1025-1032.	1.2	20
107	Gesture handedness predicts asymmetry in the chimpanzee inferior frontal gyrus. NeuroReport, 2006, 17, 923-927.	1.2	76
108	Left Nipple Preferences in Infant Pan paniscus and P. troglodytes. International Journal of Primatology, 2006, 27, 1653-1662.	1.9	17

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109	Now you see me, now you don't: evidence that chimpanzees understand the role of the eyes in attention. Animal Cognition, 2006, 10, 55-62.	1.8	85
110	Parental and perinatal factors influencing the development of handedness in captive chimpanzees. Developmental Psychobiology, 2006, 48, 428-435.	1.6	18
111	Grip preference, dermatoglyphics, and hand use in captive chimpanzees (Pan troglodytes). American Journal of Physical Anthropology, 2005, 128, 57-62.	2.1	7
112	Simple Reaching Is Not So Simple: Association Between Hand Use and Grip Preferences in Captive Chimpanzees. International Journal of Primatology, 2005, 26, 259-277.	1.9	39
113	Wild chimpanzees show population-level handedness for tool use. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12634-12638.	7.1	197
114	The Distribution and Development of Handedness for Manual Gestures in Captive Chimpanzees (<i>Pan) Tj ETQq0 0 0 rgBT /Overlock 10	3.3	98
115	Further evidence of a right hand advantage in motor skill by chimpanzees (Pan troglodytes). Neuropsychologia, 2004, 42, 990-996.	1.6	38
116	Tactical use of unimodal and bimodal communication by chimpanzees, Pan troglodytes. Animal Behaviour, 2004, 67, 467-476.	1.9	232
117	Laterality in Maternal Cradling and Infant Positional Biases: Implications for the Development and Evolution of Hand Preferences in Nonhuman Primates. International Journal of Primatology, 2004, 25, 1243-1265.	1.9	64
118	Asymmetries in the Hippocampus and Amygdala of Chimpanzees (Pan troglodytes).. Behavioral Neuroscience, 2004, 118, 1460-1465.	1.2	25
119	Handedness in Chimpanzees (Pan troglodytes) Is Associated With Asymmetries of the Primary Motor Cortex but Not With Homologous Language Areas.. Behavioral Neuroscience, 2004, 118, 1176-1183.	1.2	130
120	Chimpanzees (Pan troglodytes) Are Predominantly Right-Handed: Replication in Three Populations of Apes.. Behavioral Neuroscience, 2004, 118, 659-663.	1.2	120
121	Population-Level Right Handedness for a Coordinated Bimanual Task in Chimpanzees: Replication and Extension in a Second Colony of Apes. International Journal of Primatology, 2003, 24, 677-689.	1.9	56
122	Are planum temporale and sylvian fissure asymmetries directly related?. Neuropsychologia, 2003, 41, 1975-1981.	1.6	75
123	From hand to mouth in the evolution of language: the influence of vocal behavior on lateralized hand use in manual gestures by chimpanzees (Pan troglodytes). Developmental Science, 2003, 6, 55-61.	2.4	137
124	Comparative assessment of handedness for a coordinated bimanual task in chimpanzees (Pan) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14 Psychology (Washington, D C: 1983), 2003, 117, 302-308.	0.5	61
125	Grip morphology and hand use in chimpanzees (Pan troglodytes): Evidence of a left hemisphere specialization in motor skill.. Journal of Experimental Psychology: General, 2002, 131, 412-423.	2.1	72
126	Grip morphology and hand use in chimpanzees (Pan troglodytes): evidence of a left hemisphere specialization in motor skill. Journal of Experimental Psychology: General, 2002, 131, 412-23.	2.1	38

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127	Asymmetric Broca's area in great apes. Nature, 2001, 414, 505-505.	27.8	320
128	Sylvian Fissure Asymmetries in Nonhuman Primates Revisited: A Comparative MRI Study. Brain, Behavior and Evolution, 2000, 56, 293-299.	1.7	43
129	Planum temporale asymmetries in great apes as revealed by magnetic resonance imaging (MRI). NeuroReport, 1998, 9, 2913-2918.	1.2	305
130	Intentional communication by chimpanzees: A cross-sectional study of the use of referential gestures.. Developmental Psychology, 1998, 34, 813-822.	1.6	360