## William D Hopkins

List of Publications by Year in descending order

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Version: 2024-02-01

129 papers

5,315 citations

32 h-index 65 g-index

138 all docs 138 docs citations

138 times ranked 4701 citing authors

#	Article	IF	CITATIONS
1	The genetic architecture of the human cerebral cortex. Science, 2020, 367, .	12.6	450
2	Indexical and referential pointing in chimpanzees (Pan troglodytes) Journal of Comparative Psychology (Washington, D C: 1983), 1996, 110, 346-353.	0.5	331
3	Intentionality as Measured in the Persistence and Elaboration of Communication by Chimpanzees (Pan) Tj ETQq1	1,0,78431 3.0	4 rgBT /Ove 295
4	Chimpanzees differentially produce novel vocalizations to capture the attention of a human. Animal Behaviour, 2007, 73, 281-286.	1.9	281
5	Tactical use of unimodal and bimodal communication by chimpanzees, Pan troglodytes. Animal Behaviour, 2004, 67, 467-476.	1.9	232
6	Understanding the Point of Chimpanzee Pointing. Current Directions in Psychological Science, 2005, 14, 185-189.	5.3	195
7	Referential Communication by Chimpanzees (Pan troglodytes) Journal of Comparative Psychology (Washington, D C: 1983), 2004, 118, 48-57.	0.5	170
8	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
9	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
10	The Impact of Environment on the Comprehension of Declarative Communication in Apes. Psychological Science, 2010, 21, 360-365.	3.3	149
11	Chimpanzee Intelligence Is Heritable. Current Biology, 2014, 24, 1649-1652.	3.9	142
12	Aged chimpanzees exhibit pathologic hallmarks of Alzheimer's disease. Neurobiology of Aging, 2017, 59, 107-120.	3.1	93
13	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
14	The mismeasure of ape social cognition. Animal Cognition, 2019, 22, 487-504.	1.8	80
15	Modular structure facilitates mosaic evolution of the brain in chimpanzees and humans. Nature Communications, 2014, 5, 4469.	12.8	79
16	Sulcal organization in the medial frontal cortex provides insights into primate brain evolution. Nature Communications, 2019, 10, 3437.	12.8	77
17	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	<b>7</b> 3
18	Genetic Influences on Receptive Joint Attention in Chimpanzees (Pan troglodytes). Scientific Reports, 2015, 4, 3774.	3.3	64

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19	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
20	Self-Control in Chimpanzees Relates to General Intelligence. Current Biology, 2018, 28, 574-579.e3.	3.9	52
21	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
22	Independence of data points in the measurement of hand preferences in primates: Statistical problem or urban myth?. American Journal of Physical Anthropology, 2013, 151, 151-157.	2.1	47
23	Evolution of the Central Sulcus Morphology in Primates. Brain, Behavior and Evolution, 2014, 84, 19-30.	1.7	47
24	Differential serotonergic innervation of the amygdala in bonobos and chimpanzees. Social Cognitive and Affective Neuroscience, 2016, 11, 413-422.	3.0	47
25	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
26	Comparing human and nonhuman primate handedness: Challenges and a modest proposal for consensus. Developmental Psychobiology, 2013, 55, 621-636.	1.6	45
27	Genetic basis in motor skill and hand preference for tool use in chimpanzees ( <i>Pan troglodytes</i> Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141223.	2.6	45
28	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
29	Neuroanatomical asymmetries and handedness in chimpanzees ( <i>Pan troglodytes</i> ): 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
30	Age-related effects in the neocortical organization of chimpanzees: Gray and white matter volume, cortical thickness, and gyrification. Neurolmage, 2014, 101, 59-67.	4.2	39
31	Apes communicate about absent and displaced objects: methodology matters. Animal Cognition, 2014, 17, 85-94.	1.8	39
32	Motor skill for tool-use is associated with asymmetries in Brocaâ $\in$ <sup>™</sup> 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
33	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
34	Cortical interlaminar astrocytes across the therian mammal radiation. Journal of Comparative Neurology, 2019, 527, 1654-1674.	1.6	35
35	The heritability of chimpanzee and human brain asymmetry. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161319.	2.6	34
36	Analysis of Synaptic Gene Expression in the Neocortex of Primates Reveals Evolutionary Changes in Glutamatergic Neurotransmission. Cerebral Cortex, 2015, 25, 1596-1607.	2.9	33

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37	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
38	Personality links with lifespan in chimpanzees. ELife, 2018, 7, .	6.0	33
39	Comparative analysis of Meissner's corpuscles in the fingertips of primates. Journal of Anatomy, 2015, 227, 72-80.	1.5	32
40	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
41	Personality in Chimpanzees (Pan troglodytes): Exploring the Hierarchical Structure and Associations with the Vasopressin V1A Receptor Gene. PLoS ONE, 2014, 9, e95741.	2.5	32
42	BIZARRE chimpanzees do not represent "the chimpanzee― Behavioral and Brain Sciences, 2010, 33, 100-101.	0.7	31
43	Multimodal communication in chimpanzees. American Journal of Primatology, 2015, 77, 1143-1148.	1.7	31
44	Handedness for Unimanual Grasping in 564 Great Apes: The Effect on Grip Morphology and a Comparison with Hand Use for a Bimanual Coordinated Task. Frontiers in Psychology, 2015, 6, 1794.	2.1	31
45	Regional and Hemispheric Variation in Cortical Thickness in Chimpanzees ( <i>Pan troglodytes</i> ). Journal of Neuroscience, 2013, 33, 5241-5248.	3.6	30
46	Microglia changes associated to Alzheimer's disease pathology in aged chimpanzees. Journal of Comparative Neurology, 2018, 526, 2921-2936.	1.6	30
47	Astrocytic changes with aging and Alzheimer's diseaseâ€type pathology in chimpanzees. Journal of Comparative Neurology, 2019, 527, 1179-1195.	1.6	30
48	Sulcal morphology of ventral temporal cortex is shared between humans and other hominoids. Scientific Reports, 2020, 10, 17132.	3.3	29
49	Cortical Interlaminar Astrocytes Are Generated Prenatally, Mature Postnatally, and Express Unique Markers in Human and Nonhuman Primates. Cerebral Cortex, 2021, 31, 379-395.	2.9	29
50	9. The heterochronic origins of explicit reference. Converging Evidence in Language and Communication Research, 2008, , 187-214.	0.1	29
51	Identification of in vivo Sulci on the External Surface of Eight Adult Chimpanzee Brains: Implications for Interpreting Early Hominin Endocasts. Brain, Behavior and Evolution, 2018, 91, 45-58.	1.7	28
52	FOXP2 variation in great ape populations offers insight into the evolution of communication skills. Scientific Reports, 2017, 7, 16866.	3.3	27
53	Human torque is not present in chimpanzee brain. Neurolmage, 2018, 165, 285-293.	4.2	27
54	Chimpanzee histology and functional brain imaging show that the paracingulate sulcus is not human-specific. Communications Biology, 2021, 4, 54.	4.4	26

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55	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
56	Cortical Representation of Lateralized Grasping in Chimpanzees (Pan troglodytes): A Combined MRI and PET Study. PLoS ONE, 2010, 5, e13383.	2.5	24
57	Neuroanatomical correlates of personality in chimpanzees (Pan troglodytes): Associations between personality and frontal cortex. NeuroImage, 2015, 123, 63-71.	4.2	24
58	Distal Communication by Chimpanzees ( <i>Pan troglodytes</i> ): Evidence for Common Ground?. Child Development, 2015, 86, 1623-1638.	3.0	23
59	Heritability of Gray Matter Structural Covariation and Tool Use Skills in Chimpanzees (Pan) Tj ETQq1 1 0.784314	ł rgBT /Ov 2.9	erlock 10 Tf 5 22
60	Age-associated epigenetic change in chimpanzees and humans. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190616.	4.0	22
61	Redefining varicose projection astrocytes in primates. Glia, 2022, 70, 145-154.	4.9	22
62	A Chimpanzee (Pan troglodytes) Model of Triarchic Psychopathy Constructs. Clinical Psychological Science, 2016, 4, 50-66.	4.0	21
63	Multimodal concomitants of manual gesture by chimpanzees (Pan troglodytes): Influence of food size and distance. Gesture, 2005, 5, 75-90.	0.2	21
64	Are Chimpanzees Really So Poor at Understanding Imperative Pointing? Some New Data and an Alternative View of Canine and Ape Social Cognition. PLoS ONE, 2013, 8, e79338.	2.5	20
65	Displacement behaviors in chimpanzees ( <i>Pan troglodytes</i> ): A neurogenomics investigation of the RDoC Negative Valence Systems domain. Psychophysiology, 2016, 53, 355-363.	2.4	20
66	Chimpanzees gesture to humans in mirrors: using reflection to dissociate seeing from line of gaze. Animal Behaviour, 2018, 135, 239-249.	1.9	20
67	Evidence for independent brain and neurocranial reorganization during hominin evolution. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22115-22121.	7.1	20
68	Within- and between-task consistency in hand use as a means of characterizing hand preferences in captive chimpanzees (Pan troglodytes) Journal of Comparative Psychology (Washington, D C: 1983), 2013, 127, 380-391.	0.5	20
69	Chimpanzee brain morphometry utilizing standardized MRI preprocessing and macroanatomical annotations. ELife, 2020, 9, .	6.0	20
70	Initiation of Joint Attention is Associated with Morphometric Variation in the Anterior Cingulate Cortex of Chimpanzees ( <i>Pan troglodytes</i> ). American Journal of Primatology, 2013, 75, 441-449.	1.7	19
71	Smoke and mirrors: Testing the scope of chimpanzees' appearance–reality understanding. Cognition, 2016, 150, 53-67.	2.2	19
72	Poor receptive joint attention skills are associated with atypical gray matter asymmetry in the posterior superior temporal gyrus of chimpanzees (Pan troglodytes). Frontiers in Psychology, 2014, 5, 7.	2.1	18

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73	Hand preference on unimanual and bimanual tasks in strepsirrhines: The case of the ringâ€ŧailed lemur ( <i>Lemur catta</i> ). American Journal of Primatology, 2016, 78, 851-860.	1.7	18
74	Neocortical grey matter distribution underlying voluntary, flexible vocalizations in chimpanzees. Scientific Reports, 2016, 6, 34733.	3.3	17
75	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
76	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
77	Age―and cognition―elated differences in the gray matter volume of the chimpanzee brain ( <i>Pan) Tj ETQq1 1 Primatology, 2021, 83, e23264.</i>	0.784314 1.7	rgBT /Ove 17
78	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
79	Interhemispheric gene expression differences in the cerebral cortex of humans and macaque monkeys. Brain Structure and Function, 2017, 222, 3241-3254.	2.3	16
80	Serotonin Receptor 1A Variation Is Associated with Anxiety and Agonistic Behavior in Chimpanzees. Molecular Biology and Evolution, 2019, 36, 1418-1429.	8.9	16
81	Evolutionary divergence of neuroanatomical organization and related genes in chimpanzees and bonobos. Cortex, 2019, 118, 154-164.	2.4	16
82	Cholinergic innervation of the basal ganglia in humans and other anthropoid primates. Journal of Comparative Neurology, 2017, 525, 319-332.	1.6	15
83	Tube task hand preference in captive hylobatids. Primates, 2017, 58, 403-412.	1.1	15
84	Etiology of Triarchic Psychopathy Dimensions in Chimpanzees (Pan troglodytes). Clinical Psychological Science, 2017, 5, 341-354.	4.0	14
85	Hand preference on unimanual and bimanual tasks in Barbary macaques ( <i>Macaca sylvanus</i> ). American Journal of Primatology, 2018, 80, e22745.	1.7	14
86	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
87	Ageâ€related changes in chimpanzee ( <i>Pan troglodytes</i> ) cognition: Crossâ€sectional and longitudinal analyses. American Journal of Primatology, 2021, 83, e23214.	1.7	13
88	Sulcal Morphology in Cingulate Cortex is Associated with Voluntary Oro-Facial Motor Control and Gestural Communication in Chimpanzees ( <i>Pan troglodytes</i> ). Cerebral Cortex, 2021, 31, 2845-2854.	2.9	13
89	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
90	Mirror self-recognition and its relationship to social cognition in chimpanzees. Animal Cognition, 2019, 22, 1171-1183.	1.8	12

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91	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
92	Comparative analysis reveals distinctive epigenetic features of the human cerebellum. PLoS Genetics, 2021, 17, e1009506.	3.5	12
93	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
94	Planum temporale asymmetries correlate with corpus callosum axon fiber density in chimpanzees (Pan) Tj ETQq	0 0 0 rgBT 2.2	/Oyerlock 10
95	Delay of gratification is associated with white matter connectivity in the dorsal prefrontal cortex: a diffusion tensor imaging study in chimpanzees ( <i>Pan troglodytes</i> ). Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150764.	2.6	11
96	Sex differences in the relationship between planum temporale asymmetry and corpus callosum morphology in chimpanzees (Pan troglodytes): A combined MRI and DTI analysis. Neuropsychologia, 2016, 93, 325-334.	1.6	11
97	A review of performance asymmetries in hand skill in nonhuman primates with a special emphasis on chimpanzees. Progress in Brain Research, 2018, 238, 57-89.	1.4	11
98	Baboons (Papio papio), but not humans, break cognitive set in a visuomotor task. Animal Cognition, 2015, 18, 1339-1346.	1.8	10
99	Genetic signatures of socio-communicative abilities in primates. Current Opinion in Behavioral Sciences, 2018, 21, 33-38.	3.9	10
100	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
101	The association between imitation recognition and socio-communicative competencies in chimpanzees (Pan troglodytes). Frontiers in Psychology, 2015, 6, 188.	2.1	9
102	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
103	A comparative assessment of handedness and its potential neuroanatomical correlates in chimpanzees (Pan troglodytes) and bonobos (Pan paniscus). Behaviour, 2015, 152, 461-492.	0.8	8
104	Triarchic Psychopathy Dimensions in Chimpanzees (Pan troglodytes): Investigating Associations with Genetic Variation in the Vasopressin Receptor 1A Gene. Frontiers in Neuroscience, 2017, 11, 407.	2.8	8
105	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
106	Corpus callosal microstructure influences intermanual transfer in chimpanzees. Frontiers in Systems Neuroscience, 2013, 7, 125.	2.5	6
107	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
108	Browsing Multiple Subjects When the Atlas Adaptation Cannot Be Achieved via a Warping Strategy. Frontiers in Neuroinformatics, 2022, 16, 803934.	2.5	6

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109	Translating chimpanzee personality to humans: Investigating the transportability of chimpanzeeâ€derived personality scales to humans. American Journal of Primatology, 2016, 78, 601-609.	1.7	5
110	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
111	Heritability in corpus callosum morphology and its association with tool use skill in chimpanzees ( <i>Pan troglodytes</i> ): Reproducibility in two genetically isolated populations. Genes, Brain and Behavior, 2022, 21, e12784.	2.2	5
112	Epigenetic ageing of the prefrontal cortex and cerebellum in humans and chimpanzees. Epigenetics, 2022, 17, 1774-1785.	2.7	5
113	Genetic determinants of individual variation in the superior temporal sulcus of chimpanzees ( <i>Pan) Tj ETQq<math>1\ 1</math></i>	0. <u>78</u> 4314	rgBT /Overl
114	Evolution of <i>ASPM</i> coding variation in apes and associations with brain structure in chimpanzees. Genes, Brain and Behavior, 2019, 18, e12582.	2.2	4
115	Freestanding bipedal posture and coordinated bimanual manipulation significantly influence lateralized hand use in rhesus monkeys (Macaca mulatta) and chimpanzees (pan troglodytes) Journal of Comparative Psychology (Washington, D C: 1983), 2019, 133, 171-182.	0.5	4
116	Extensive vascular mineralization in the brain of a chimpanzee (Pan troglodytes). Comparative Medicine, 2014, 64, 224-9.	1.0	4
117	Chimpanzee Extraversion scores vary with epigenetic modification of dopamine receptor gene D2 ( <i>DRD2</i> ) and early rearing conditions. Epigenetics, 2022, , 1-14.	2.7	4
118	Why vocal production of atypical sounds in apes and its cerebral correlates have a lot to say about the origin of language. Behavioral and Brain Sciences, 2014, 37, 565-566.	0.7	3
119	Comparative morphology of the corpus callosum across the adult lifespan in chimpanzees ( <scp><i>Pan troglodytes</i></scp> ) and humans. Journal of Comparative Neurology, 2021, 529, 1584-1596.	1.6	3
120	Early social rearing, the V1A arginine vasopressin receptor genotype, and autistic traits in chimpanzees. Autism Research, 2021, 14, 1843-1853.	3.8	3
121	Neutrophil to Lymphocyte Ratio (NLR) in captive chimpanzees (Pan troglodytes): The effects of sex, age, and rearing. PLoS ONE, 2020, 15, e0244092.	2.5	3
122	Gray Matter Variation in the Posterior Superior Temporal Gyrus Is Associated with Polymorphisms in the <i>KIAA0319</i> Sene in Chimpanzees ( <i>Pan troglodytes</i> Seneuro, 2021, 8, ENEURO.0169-21.2021.	1,9	3
123	Evidence of psychological essentialism in a symbol-trained bonobo (Pan paniscus). International Journal of Primatology, 2022, 43, 235-252.	1.9	2
124	FROM GRASPING TO GROOMING TO GOSSIP., 2014,,.		1
125	Why primate models matter. , 0, .		1
126	Are conspecific social videos rewarding to chimpanzees (Pan troglodytes)? A test of the social motivation theory. PLoS ONE, 2021, 16, e0259941.	2.5	1

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127	Introduction. Progress in Brain Research, 2018, 238, xix-xxii.	1.4	0
128	Cover Image, Volume 527, Issue 10. Journal of Comparative Neurology, 2019, 527, C1-C1.	1.6	0
129	Level of toolâ€use proficiency in chimpanzees is associated with differences in gray matter distribution in the inferior parietal cortex: a voxelâ€based morphometry study. FASEB Journal, 2016, 30, 562.3.	0.5	0