William D Hopkins

List of Publications by Year
in descending order

129 papers	5,315 citations	136950 32 h-index	106344 65 g-index
138 all docs	138 docs citations	138 times ranked	4701 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	Redefining varicose projection astrocytes in primates. Glia, 2022, 70, 145-154.	4.9	22
3	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
4	Evidence of psychological essentialism in a symbol-trained bonobo (Pan paniscus). International Journal of Primatology, 2022, 43, 235-252.	1.9	2
5	Chimpanzee Extraversion scores vary with epigenetic modification of dopamine receptor gene D2 (DRD2) and early rearing conditions. Epigenetics, 2022, , 1-14.	2.7	4
6	Browsing Multiple Subjects When the Atlas Adaptation Cannot Be Achieved via a Warping Strategy. Frontiers in Neuroinformatics, 2022, 16, 803934.	2.5	6
7	Epigenetic ageing of the prefrontal cortex and cerebellum in humans and chimpanzees. Epigenetics, 2022, 17, 1774-1785.	2.7	5
8	Ageâ€related changes in chimpanzee (Pan troglodytes) cognition: Crossâ€sectional and longitudinal analyses. American Journal of Primatology, 2021, 83, e23214.	1.7	13
9	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
10	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
11	Chimpanzee histology and functional brain imaging show that the paracingulate sulcus is not human-specific. Communications Biology, 2021, 4, 54.	4.4	26
12	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
13	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
14	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
15	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
16	Comparative analysis reveals distinctive epigenetic features of the human cerebellum. PLoS Genetics, 2021, 17, e1009506.	3.5	12
17	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
18	Early social rearing, the V1A arginine vasopressin receptor genotype, and autistic traits in chimpanzees. Autism Research, 2021, 14, 1843-1853.	3.8	3

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19	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
20	Are conspecific social videos rewarding to chimpanzees (Pan troglodytes)? A test of the social motivation theory. PLoS ONE, 2021, 16, e0259941.	2.5	1
21	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
22	Sulcal morphology of ventral temporal cortex is shared between humans and other hominoids. Scientific Reports, 2020, 10, 17132.	3.3	29
23	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
24	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
25	Age-associated epigenetic change in chimpanzees and humans. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190616.	4.0	22
26	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
27	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
28	The genetic architecture of the human cerebral cortex. Science, 2020, 367, .	12.6	450
29	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
30	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
31	Chimpanzee brain morphometry utilizing standardized MRI preprocessing and macroanatomical annotations. ELife, 2020, 9, .	6.0	20
32	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
33	Sulcal organization in the medial frontal cortex provides insights into primate brain evolution. Nature Communications, 2019, 10, 3437.	12.8	77
34	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
35	Mirror self-recognition and its relationship to social cognition in chimpanzees. Animal Cognition, 2019, 22, 1171-1183.	1.8	12
36	Evolution of ASPM coding variation in apes and associations with brain structure in chimpanzees. Genes, Brain and Behavior, 2019, 18, e12582.	2.2	4

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37	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
38	Serotonin Receptor 1A Variation Is Associated with Anxiety and Agonistic Behavior in Chimpanzees. Molecular Biology and Evolution, 2019, 36, 1418-1429.	8.9	16
39	Cover Image, Volume 527, Issue 10. Journal of Comparative Neurology, 2019, 527, C1-C1.	1.6	0
40	Cortical interlaminar astrocytes across the therian mammal radiation. Journal of Comparative Neurology, 2019, 527, 1654-1674.	1.6	35
41	Astrocytic changes with aging and Alzheimer's diseaseâ€type pathology in chimpanzees. Journal of Comparative Neurology, 2019, 527, 1179-1195.	1.6	30
42	Heritability of Gray Matter Structural Covariation and Tool Use Skills in Chimpanzees (Pan) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td 29, 3702-3711.	2.9	22
43	Evolutionary divergence of neuroanatomical organization and related genes in chimpanzees and bonobos. Cortex, 2019, 118, 154-164.	2.4	16
44	The mismeasure of ape social cognition. Animal Cognition, 2019, 22, 487-504.	1.8	80
45	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
46	Hand preference on unimanual and bimanual tasks in Barbary macaques (Macaca sylvanus). American Journal of Primatology, 2018, 80, e22745.	1.7	14
47	Self-Control in Chimpanzees Relates to General Intelligence. Current Biology, 2018, 28, 574-579.e3.	3.9	52
48	Chimpanzees gesture to humans in mirrors: using reflection to dissociate seeing from line of gaze. Animal Behaviour, 2018, 135, 239-249.	1.9	20
49	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
50	Human torque is not present in chimpanzee brain. NeuroImage, 2018, 165, 285-293.	4.2	27
51	Genetic signatures of socio-communicative abilities in primates. Current Opinion in Behavioral Sciences, 2018, 21, 33-38.	3.9	10
52	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
53	Microglia changes associated to Alzheimer's disease pathology in aged chimpanzees. Journal of Comparative Neurology, 2018, 526, 2921-2936.	1.6	30
54	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

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55	Introduction. Progress in Brain Research, 2018, 238, xix-xxii.	1.4	0
56	Personality links with lifespan in chimpanzees. ELife, 2018, 7, .	6.0	33
57	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
58	Cholinergic innervation of the basal ganglia in humans and other anthropoid primates. Journal of Comparative Neurology, 2017, 525, 319-332.	1.6	15
59	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
60	Tube task hand preference in captive hylobatids. Primates, 2017, 58, 403-412.	1.1	15
61	Etiology of Triarchic Psychopathy Dimensions in Chimpanzees (Pan troglodytes). Clinical Psychological Science, 2017, 5, 341-354.	4.0	14
62	Interhemispheric gene expression differences in the cerebral cortex of humans and macaque monkeys. Brain Structure and Function, 2017, 222, 3241-3254.	2.3	16
63	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
64	Aged chimpanzees exhibit pathologic hallmarks of Alzheimer's disease. Neurobiology of Aging, 2017, 59, 107-120.	3.1	93
65	FOXP2 variation in great ape populations offers insight into the evolution of communication skills. Scientific Reports, 2017, 7, 16866.	3.3	27
66	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
67	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
68	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
69	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
70	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
71	The heritability of chimpanzee and human brain asymmetry. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20161319.	2.6	34
72	Differential serotonergic innervation of the amygdala in bonobos and chimpanzees. Social Cognitive and Affective Neuroscience, 2016, 11, 413-422.	3.0	47

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73	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
74	Neocortical grey matter distribution underlying voluntary, flexible vocalizations in chimpanzees. Scientific Reports, 2016, 6, 34733.	3.3	17
75	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
76	Displacement behaviors in chimpanzees (Pan troglodytes): A neurogenomics investigation of the RDoC Negative Valence Systems domain. Psychophysiology, 2016, 53, 355-363.	2.4	20
77	Smoke and mirrors: Testing the scope of chimpanzeesâ€™ appearanceâ€“reality understanding. Cognition, 2016, 150, 53-67.	2.2	19
78	A Chimpanzee (Pan troglodytes) Model of Triarchic Psychopathy Constructs. Clinical Psychological Science, 2016, 4, 50-66.	4.0	21
79	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
80	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
81	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
82	Distal Communication by Chimpanzees (Pan troglodytes): Evidence for Common Ground?. Child Development, 2015, 86, 1623-1638.	3.0	23
83	Comparative analysis of Meissner's corpuscles in the fingertips of primates. Journal of Anatomy, 2015, 227, 72-80.	1.5	32
84	Multimodal communication in chimpanzees. American Journal of Primatology, 2015, 77, 1143-1148.	1.7	31
85	The association between imitation recognition and socio-communicative competencies in chimpanzees (Pan troglodytes). Frontiers in Psychology, 2015, 6, 188.	2.1	9
86	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
87	Delay of gratification is associated with white matter connectivity in the dorsal prefrontal cortex: a diffusion tensor imaging study in chimpanzees (Pan troglodytes). Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150764.	2.6	11
88	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
89	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
90	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

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91	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
92	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
93	Genetic Influences on Receptive Joint Attention in Chimpanzees (Pan troglodytes). Scientific Reports, 2015, 4, 3774.	3.3	64
94	Neuroanatomical correlates of personality in chimpanzees (Pan troglodytes): Associations between personality and frontal cortex. NeuroImage, 2015, 123, 63-71.	4.2	24
95	Baboons (Papio papio), but not humans, break cognitive set in a visuomotor task. Animal Cognition, 2015, 18, 1339-1346.	1.8	10
96	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
97	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
98	Evolution of the Central Sulcus Morphology in Primates. Brain, Behavior and Evolution, 2014, 84, 19-30.	1.7	47
99	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
100	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
101	Modular structure facilitates mosaic evolution of the brain in chimpanzees and humans. Nature Communications, 2014, 5, 4469.	12.8	79
102	Chimpanzee Intelligence Is Heritable. Current Biology, 2014, 24, 1649-1652.	3.9	142
103	Apes communicate about absent and displaced objects: methodology matters. Animal Cognition, 2014, 17, 85-94.	1.8	39
104	FROM GRASPING TO GROOMING TO GOSSIP. , 2014, , .		1
105	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
106	Extensive vascular mineralization in the brain of a chimpanzee (Pan troglodytes). Comparative Medicine, 2014, 64, 224-9.	1.0	4
107	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
108	Regional and Hemispheric Variation in Cortical Thickness in Chimpanzees (Pan troglodytes). Journal of Neuroscience, 2013, 33, 5241-5248.	3.6	30

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109	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
110	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
111	Comparing human and nonhuman primate handedness: Challenges and a modest proposal for consensus. Developmental Psychobiology, 2013, 55, 621-636.	1.6	45
112	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
113	Corpus callosal microstructure influences intermanual transfer in chimpanzees. Frontiers in Systems Neuroscience, 2013, 7, 125.	2.5	6
114	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
115	Planum temporale asymmetries correlate with corpus callosum axon fiber density in chimpanzees (Pan) Tj ETQq1 1 0.784314 rgBT /O	2.2	11
116	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
117	BIZARRE chimpanzees do not represent â€œthe chimpanzeeâ€• Behavioral and Brain Sciences, 2010, 33, 100-101.	0.7	31
118	Cortical Representation of Lateralized Grasping in Chimpanzees (Pan troglodytes): A Combined MRI and PET Study. PLoS ONE, 2010, 5, e13383.	2.5	24
119	The Impact of Environment on the Comprehension of Declarative Communication in Apes. Psychological Science, 2010, 21, 360-365.	3.3	149
120	9. The heterochronic origins of explicit reference. Converging Evidence in Language and Communication Research, 2008, , 187-214.	0.1	29
121	Chimpanzees differentially produce novel vocalizations to capture the attention of a human. Animal Behaviour, 2007, 73, 281-286.	1.9	281
122	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
123	Intentionality as Measured in the Persistence and Elaboration of Communication by Chimpanzees (Pan) Tj ETQq1 1 0.784314 rgBT /O	3.0	295
124	Understanding the Point of Chimpanzee Pointing. Current Directions in Psychological Science, 2005, 14, 185-189.	5.3	195
125	Multimodal concomitants of manual gesture by chimpanzees (Pan troglodytes): Influence of food size and distance. Gesture, 2005, 5, 75-90.	0.2	21
126	Tactical use of unimodal and bimodal communication by chimpanzees, Pan troglodytes. Animal Behaviour, 2004, 67, 467-476.	1.9	232

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127	Referential Communication by Chimpanzees (Pan troglodytes).. Journal of Comparative Psychology (Washington, D C: 1983), 2004, 118, 48-57.	0.5	170
128	Indexical and referential pointing in chimpanzees (Pan troglodytes).. Journal of Comparative Psychology (Washington, D C: 1983), 1996, 110, 346-353.	0.5	331
129	Why primate models matter. , 0, .		1