

Duncan E Astle

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

2,046
citations

257101

24
h-index

301761

39
g-index

87
all docs

87
docs citations

87
times ranked

2498
citing authors

#	ARTICLE	IF	CITATIONS
1	Longitudinal increases in childhood depression symptoms during the COVID-19 lockdown. <i>Archives of Disease in Childhood</i> , 2021, 106, 791-797.	1.0	171
2	Annual Research Review: The transdiagnostic revolution in neurodevelopmental disorders. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2022, 63, 397-417.	3.1	119
3	Statistical power for cluster analysis. <i>BMC Bioinformatics</i> , 2022, 23, .	1.2	115
4	Cognitive Training Enhances Intrinsic Brain Connectivity in Childhood. <i>Journal of Neuroscience</i> , 2015, 35, 6277-6283.	1.7	111
5	Beyond the Core-Deficit Hypothesis in Developmental Disorders. <i>Current Directions in Psychological Science</i> , 2020, 29, 431-437.	2.8	79
6	How common are WM deficits in children with difficulties in reading and mathematics?. <i>Journal of Applied Research in Memory and Cognition</i> , 2016, 5, 384-394.	0.7	66
7	Remapping the cognitive and neural profiles of children who struggle at school. <i>Developmental Science</i> , 2019, 22, e12747.	1.3	64
8	Transdiagnostic Brain Mapping in Developmental Disorders. <i>Current Biology</i> , 2020, 30, 1245-1257.e4.	1.8	63
9	Orienting Attention Within Visual Short-Term Memory: Development and Mechanisms. <i>Child Development</i> , 2014, 85, 578-592.	1.7	59
10	Interactions between attention and visual short-term memory (VSTM): What can be learnt from individual and developmental differences?. <i>Neuropsychologia</i> , 2011, 49, 1435-1445.	0.7	57
11	Using developmental cognitive neuroscience to study behavioral and attentional control. <i>Developmental Psychobiology</i> , 2009, 51, 107-118.	0.9	55
12	Data-Driven Subtyping of Executive Function-Related Behavioral Problems in Children. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2018, 57, 252-262.e4.	0.3	53
13	Fractionating the Cognitive Control Required to Bring About a Change in Task: A Dense-sensor Event-related Potential Study. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 255-267.	1.1	49
14	Attentional control constrains visual short-term memory: Insights from developmental and individual differences. <i>Quarterly Journal of Experimental Psychology</i> , 2012, 65, 277-294.	0.6	46
15	Language Problems and ADHD Symptoms: How Specific Are the Links?. <i>Brain Sciences</i> , 2016, 6, 50.	1.1	46
16	A Hierarchical Watershed Model of Fluid Intelligence in Childhood and Adolescence. <i>Cerebral Cortex</i> , 2020, 30, 339-352.	1.6	46
17	Differences in brain morphology and working memory capacity across childhood. <i>Developmental Science</i> , 2018, 21, e12579.	1.3	41
18	The cingulum as a marker of individual differences in neurocognitive development. <i>Scientific Reports</i> , 2019, 9, 2281.	1.6	39

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19	Spatial selection of features within perceived and remembered objects. <i>Frontiers in Human Neuroscience</i> , 2009, 3, 6.	1.0	38
20	Training Working Memory in Childhood Enhances Coupling between Frontoparietal Control Network and Task-Related Regions. <i>Journal of Neuroscience</i> , 2016, 36, 9001-9011.	1.7	36
21	A generative network model of neurodevelopmental diversity in structural brain organization. <i>Nature Communications</i> , 2021, 12, 4216.	5.8	34
22	Whole-brain white matter organization, intelligence, and educational attainment. <i>Trends in Neuroscience and Education</i> , 2019, 15, 38-47.	1.5	33
23	Epilepsy, cognitive deficits and neuroanatomy in males with <i>ZDHHC9</i> mutations. <i>Annals of Clinical and Translational Neurology</i> , 2015, 2, 559-569.	1.7	31
24	STXBP1-associated neurodevelopmental disorder: a comparative study of behavioural characteristics. <i>Journal of Neurodevelopmental Disorders</i> , 2019, 11, 17.	1.5	30
25	Age Group and Individual Differences in Attentional Orienting Dissociate Neural Mechanisms of Encoding and Maintenance in Visual STM. <i>Journal of Cognitive Neuroscience</i> , 2014, 26, 864-877.	1.1	29
26	The Neural Dynamics of Fronto-Parietal Networks in Childhood Revealed using Magnetoencephalography. <i>Cerebral Cortex</i> , 2015, 25, 3868-3876.	1.6	27
27	Electrophysiological measures of resting state functional connectivity and their relationship with working memory capacity in childhood. <i>Developmental Science</i> , 2016, 19, 19-31.	1.3	27
28	Two Pathways to Self-Harm in Adolescence. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2021, 60, 1491-1500.	0.3	26
29	Cross-frequency Phase-Amplitude Coupling as a Mechanism for Temporal Orienting of Attention in Childhood. <i>Journal of Cognitive Neuroscience</i> , 2018, 30, 594-602.	1.1	25
30	Children's academic attainment is linked to the global organization of the white matter connectome. <i>Developmental Science</i> , 2018, 21, e12662.	1.3	23
31	Functional network dynamics in a neurodevelopmental disorder of known genetic origin. <i>Human Brain Mapping</i> , 2020, 41, 530-544.	1.9	23
32	Subliminally Presented and Stored Objects Capture Spatial Attention. <i>Journal of Neuroscience</i> , 2010, 30, 3567-3571.	1.7	22
33	Structural brain abnormalities in a single gene disorder associated with epilepsy, language impairment and intellectual disability. <i>NeuroImage: Clinical</i> , 2016, 12, 655-665.	1.4	22
34	Semantic Advantage for Learning New Phonological Form Representations. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 775-786.	1.1	21
35	Dissociable effects of attention vs working memory training on cognitive performance and everyday functioning following fronto-parietal strokes. <i>Neuropsychological Rehabilitation</i> , 2020, 30, 1092-1114.	1.0	19
36	Global and Local Connectivity Differences Converge With Gene Expression in a Neurodevelopmental Disorder of Known Genetic Origin. <i>Cerebral Cortex</i> , 2017, 27, 3806-3817.	1.6	17

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37	Mapping differential responses to cognitive training using machine learning. <i>Developmental Science</i> , 2020, 23, e12868.	1.3	17
38	Far and wide: Associations between childhood socio-economic status and brain connectomics. <i>Developmental Cognitive Neuroscience</i> , 2021, 48, 100888.	1.9	17
39	Modulation of alpha power at encoding and retrieval tracks the precision of visual short-term memory. <i>Journal of Neurophysiology</i> , 2014, 112, 2939-2945.	0.9	16
40	Developmental and individual differences in the precision of visuospatial memory. <i>Cognitive Development</i> , 2016, 39, 1-12.	0.7	15
41	Topâ€“Down Activation of Spatiotopic Sensory Codes in Perceptual and Working Memory Search. <i>Journal of Cognitive Neuroscience</i> , 2016, 28, 996-1009.	1.1	15
42	Just a phase? Mapping the transition of behavioural problems from childhood to adolescence. <i>Social Psychiatry and Psychiatric Epidemiology</i> , 2021, 56, 821-836.	1.6	14
43	Distinct neural mechanisms of individual and developmental differences in VSTM capacity. <i>Developmental Psychobiology</i> , 2014, 56, 601-610.	0.9	13
44	Two measures of task-specific inhibition. <i>Quarterly Journal of Experimental Psychology</i> , 2012, 65, 233-251.	0.6	12
45	Collecting big data with small screens: Group tests of childrenâ€™s cognition with touchscreen tablets are reliable and valid. <i>Behavior Research Methods</i> , 2021, 53, 1515-1529.	2.3	11
46	Testing the specificity of environmental risk factors for developmental outcomes. <i>Child Development</i> , 2022, 93, .	1.7	11
47	Neural correlates of changing intention in the human FEF and IPS. <i>Journal of Neurophysiology</i> , 2012, 107, 859-867.	0.9	10
48	Segregation and integration of the functional connectome in neurodevelopmentally â€“at riskâ€™ children. <i>Developmental Science</i> , 2022, 25, .	1.3	10
49	A transdiagnostic data-driven study of childrenâ€™s behaviour and the functional connectome. <i>Developmental Cognitive Neuroscience</i> , 2021, 52, 101027.	1.9	9
50	Psychopathology and cognitive performance in individuals with membrane-associated guanylate kinase mutations: a functional network phenotyping study. <i>Journal of Neurodevelopmental Disorders</i> , 2015, 7, 8.	1.5	7
51	Gene functional networks and autism spectrum characteristics in young people with intellectual disability: a dimensional phenotyping study. <i>Molecular Autism</i> , 2020, 11, 98.	2.6	6
52	Neural Mechanisms by Which Attention Modulates the Comparison of Remembered and Perceptual Representations. <i>PLoS ONE</i> , 2014, 9, e86666.	1.1	6
53	A randomized control trial of the effects of home-based online attention training and working memory training on cognition and everyday function in a community stroke sample. <i>Neuropsychological Rehabilitation</i> , 2022, 32, 2603-2627.	1.0	5
54	Direct and indirect links between childrenâ€™s socio-economic status and education: pathways via mental health, attitude, and cognition. <i>Current Psychology</i> , 2023, 42, 9637-9651.	1.7	5

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55	Social and emotional characteristics of girls and young women with DDX3X-associated intellectual disability: a descriptive and comparative study. <i>Journal of Autism and Developmental Disorders</i> , 2022, , 1.	1.7	5
56	An ERP Analysis of Recognition and Categorization Decisions in a Prototype-Distortion Task. <i>PLoS ONE</i> , 2010, 5, e10116.	1.1	4
57	Going from a Retinotopic to a Spatiotopic Coordinate System for Spatial Attention. <i>Journal of Neuroscience</i> , 2009, 29, 3971-3973.	1.7	3
58	Memory load modulates graded changes in distracter filtering. <i>Frontiers in Human Neuroscience</i> , 2015, 8, 1025.	1.0	3
59	Subjective SES is Associated with Children's Neurophysiological Response to Auditory Oddballs. <i>Cerebral Cortex Communications</i> , 2021, 2, tgaa092.	0.7	3
60	Directing spatial attention to locations within remembered and imagined mental representations. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 154.	1.0	2
61	Training-dependent transfer within a set of nested tasks. <i>Quarterly Journal of Experimental Psychology</i> , 2021, 74, 174702182199377.	0.6	2
62	Maternal mental health mediates links between socioeconomic status and child development. <i>Current Psychology</i> , 2023, 42, 21967-21978.	1.7	1