

James H Cole

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

7,858
citations

87401

40
h-index

71088

80
g-index

122
all docs

122
docs citations

122
times ranked

10833
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning to automate the labelling of head MRI datasets for computer vision applications. <i>European Radiology</i> , 2022, 32, 725-736.	2.3	22
2	Associations between alcohol use and accelerated biological ageing. <i>Addiction Biology</i> , 2022, 27, e13100.	1.4	19
3	An uncertainty-aware, shareable, and transparent neural network architecture for brain-age modeling. <i>Science Advances</i> , 2022, 8, eabg9471.	4.7	13
4	Accurate brain-age models for routine clinical MRI examinations. <i>NeuroImage</i> , 2022, 249, 118871.	2.1	37
5	Deep learning models for triaging hospital head MRI examinations. <i>Medical Image Analysis</i> , 2022, 78, 102391.	7.0	10
6	Rapid processing and quantitative evaluation of structural brain scans for adaptive multimodal imaging. <i>Human Brain Mapping</i> , 2022, 43, 1749-1765.	1.9	5
7	Mind the gap: Performance metric evaluation in brain-age prediction. <i>Human Brain Mapping</i> , 2022, 43, 3113-3129.	1.9	58
8	Assessment of brain age in posttraumatic stress disorder: Findings from the ENIGMA PTSD and brain age working groups. <i>Brain and Behavior</i> , 2022, 12, e2413.	1.0	25
9	Brain-predicted Age Difference Mediates the Association between Self-reported Pain and PROMIS Sleep Impairment in Persons with Knee Osteoarthritis.. <i>Journal of Pain</i> , 2022, 23, 40.	0.7	2
10	Tissue volume estimation and age prediction using rapid structural brain scans. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
11	Sex differences in predictors and regional patterns of brain age gap estimates. <i>Human Brain Mapping</i> , 2022, 43, 4689-4698.	1.9	20
12	Brain aging in major depressive disorder: results from the ENIGMA major depressive disorder working group. <i>Molecular Psychiatry</i> , 2021, 26, 5124-5139.	4.1	136
13	Traumatic brain injury: a comparison of diffusion and volumetric magnetic resonance imaging measures. <i>Brain Communications</i> , 2021, 3, fcab006.	1.5	8
14	Beyond the average patient: how neuroimaging models can address heterogeneity in dementia. <i>Brain</i> , 2021, 144, 2946-2953.	3.7	46
15	Network Modeling Sex Differences in Brain Integrity and Metabolic Health. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 691691.	1.7	5
16	Editorial: Predicting Chronological Age From Structural Neuroimaging: The Predictive Analytics Competition 2019. <i>Frontiers in Psychiatry</i> , 2021, 12, 710932.	1.3	11
17	Prediction of brain age and cognitive age: Quantifying brain and cognitive maintenance in aging. <i>Human Brain Mapping</i> , 2021, 42, 1626-1640.	1.9	74
18	Worse Physical Disability Is Associated With the Expression of PD-1 on Inflammatory T-Cells in Multiple Sclerosis Patients With Older Appearing Brains. <i>Frontiers in Neurology</i> , 2021, 12, 801097.	1.1	3

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19	Local Brain-Age: A U-Net Model. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 761954.	1.7	33
20	The heterogeneous brain: Mapping individualised patterns of atrophy in Alzheimer's disease using spatial normative models. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	2
21	Fixel-based analysis of the effect of amyloid beta on white matter tracts in neurologically normal 70 year olds. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
22	Pain, aging, and the brain: new pieces to a complex puzzle. <i>Pain</i> , 2020, 161, 461-463.	2.0	23
23	Multimodal brain-age prediction and cardiovascular risk: The Whitehall II MRI sub-study. <i>NeuroImage</i> , 2020, 222, 117292.	2.1	85
24	Diffuse axonal injury predicts neurodegeneration after moderate-to-severe traumatic brain injury. <i>Brain</i> , 2020, 143, 3685-3698.	3.7	69
25	Attitudes to ageing, biomarkers of ageing and mortality: the Lothian Birth Cohort 1936. <i>Journal of Epidemiology and Community Health</i> , 2020, 74, 377-383.	2.0	5
26	Cannabis use in patients with early psychosis is associated with alterations in putamen and thalamic shape. <i>Human Brain Mapping</i> , 2020, 41, 4386-4396.	1.9	9
27	An automated machine learning approach to predict brain age from cortical anatomical measures. <i>Human Brain Mapping</i> , 2020, 41, 3555-3566.	1.9	29
28	ENIGMA and global neuroscience: A decade of large-scale studies of the brain in health and disease across more than 40 countries. <i>Translational Psychiatry</i> , 2020, 10, 100.	2.4	365
29	Nonlinear biomarker interactions in conversion from mild cognitive impairment to Alzheimer's disease. <i>Human Brain Mapping</i> , 2020, 41, 4406-4418.	1.9	23
30	Commentary: Correction procedures in brain-age prediction. <i>NeuroImage: Clinical</i> , 2020, 26, 102229.	1.4	122
31	Multimodality neuroimaging brain-age in UK biobank: relationship to biomedical, lifestyle, and cognitive factors. <i>Neurobiology of Aging</i> , 2020, 92, 34-42.	1.5	210
32	Longitudinal Assessment of Multiple Sclerosis with the Brain-Age Paradigm. <i>Annals of Neurology</i> , 2020, 88, 93-105.	2.8	79
33	Editorial: Deep Learning in Aging Neuroscience. <i>Frontiers in Neuroinformatics</i> , 2020, 14, 573974.	1.3	1
34	Brain age and other bodily "ages": implications for neuropsychiatry. <i>Molecular Psychiatry</i> , 2019, 24, 266-281.	4.1	291
35	Validation of a Novel Multivariate Method of Defining HIV-Associated Cognitive Impairment. <i>Open Forum Infectious Diseases</i> , 2019, 6, ofz198.	0.4	10
36	Dopamine D2/D3 receptor abnormalities after traumatic brain injury and their relationship to post-traumatic depression. <i>NeuroImage: Clinical</i> , 2019, 24, 101950.	1.4	15

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37	Increased brain age in adults with Prader-Willi syndrome. <i>NeuroImage: Clinical</i> , 2019, 21, 101664.	1.4	33
38	Stratifying drug treatment of cognitive impairments after traumatic brain injury using neuroimaging. <i>Brain</i> , 2019, 142, 2367-2379.	3.7	35
39	Chronic pain is associated with a brain aging biomarker in community-dwelling older adults. <i>Pain</i> , 2019, 160, 1119-1130.	2.0	78
40	Quantification of the Biological Age of the Brain Using Neuroimaging. <i>Healthy Ageing and Longevity</i> , 2019, , 293-328.	0.2	36
41	No Evidence for Accelerated Aging-Related Brain Pathology in Treated Human Immunodeficiency Virus: Longitudinal Neuroimaging Results From the Comorbidity in Relation to AIDS (COBRA) Project. <i>Clinical Infectious Diseases</i> , 2018, 66, 1899-1909.	2.9	86
42	Structural Brain Abnormalities in Successfully Treated HIV Infection: Associations With Disease and Cerebrospinal Fluid Biomarkers. <i>Journal of Infectious Diseases</i> , 2018, 217, 69-81.	1.9	40
43	Multivariate Pattern Analysis of Volumetric Neuroimaging Data and Its Relationship With Cognitive Function in Treated HIV Disease. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2018, 78, 429-436.	0.9	15
44	Dopaminergic abnormalities following traumatic brain injury. <i>Brain</i> , 2018, 141, 797-810.	3.7	53
45	Spatial patterns of progressive brain volume loss after moderate-severe traumatic brain injury. <i>Brain</i> , 2018, 141, 822-836.	3.7	111
46	Altered caudate connectivity is associated with executive dysfunction after traumatic brain injury. <i>Brain</i> , 2018, 141, 148-164.	3.7	56
47	Minocycline reduces chronic microglial activation after brain trauma but increases neurodegeneration. <i>Brain</i> , 2018, 141, 459-471.	3.7	143
48	Brain age predicts mortality. <i>Molecular Psychiatry</i> , 2018, 23, 1385-1392.	4.1	513
49	Unravelling the GSK3 β -related genotypic interaction network influencing hippocampal volume in recurrent major depressive disorder. <i>Psychiatric Genetics</i> , 2018, 28, 77-84.	0.6	27
50	Associations between polygenic risk scores for four psychiatric illnesses and brain structure using multivariate pattern recognition. <i>NeuroImage: Clinical</i> , 2018, 20, 1026-1036.	1.4	43
51	Bayesian Optimization for Neuroimaging Pre-processing in Brain Age Classification and Prediction. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 28.	1.7	71
52	Neuroimaging Studies Illustrate the Commonalities Between Ageing and Brain Diseases. <i>BioEssays</i> , 2018, 40, e1700221.	1.2	15
53	Clinical research cerebral MRI findings in HIV-positive subjects and appropriate controls. <i>Aids</i> , 2018, 32, 2077-2081.	1.0	4
54	The Comorbidity in Relation to AIDS (COBRA) cohort: Design, methods and participant characteristics. <i>PLoS ONE</i> , 2018, 13, e0191791.	1.1	12

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55	Active Acquisition for multimodal neuroimaging. Wellcome Open Research, 2018, 3, 145.	0.9	2
56	Active Acquisition for multimodal neuroimaging. Wellcome Open Research, 2018, 3, 145.	0.9	4
57	Common and distinct patterns of grey-matter volume alteration in major depression and bipolar disorder: evidence from voxel-based meta-analysis. Molecular Psychiatry, 2017, 22, 1455-1463.	4.1	446
58	Increased brain-predicted aging in treated HIV disease. Neurology, 2017, 88, 1349-1357.	1.5	200
59	Brain-predicted age in Down syndrome is associated with beta amyloid deposition and cognitive decline. Neurobiology of Aging, 2017, 56, 41-49.	1.5	109
60	Structural brain changes in medically refractory focal epilepsy resemble premature brain aging. Epilepsy Research, 2017, 133, 28-32.	0.8	92
61	Serum insulin-like growth factor levels are associated with improved white matter recovery after traumatic brain injury. Annals of Neurology, 2017, 82, 30-43.	2.8	19
62	Gray and White Matter Abnormalities in Treated Human Immunodeficiency Virus Disease and Their Relationship to Cognitive Function. Clinical Infectious Diseases, 2017, 65, 422-432.	2.9	65
63	Predicting Age Using Neuroimaging: Innovative Brain Ageing Biomarkers. Trends in Neurosciences, 2017, 40, 681-690.	4.2	608
64	Brain MRI changes associated with poorer cognitive function despite suppressive antiretroviral therapy. Experimental Gerontology, 2017, 94, 125.	1.2	0
65	Predicting brain age with deep learning from raw imaging data results in a reliable and heritable biomarker. NeuroImage, 2017, 163, 115-124.	2.1	629
66	Familial and environmental influences on brain volumes in twins with schizophrenia. Journal of Psychiatry and Neuroscience, 2017, 42, 122-130.	1.4	14
67	Neuroimaging-derived brain-age: an ageing biomarker?. Aging, 2017, 9, 1861-1862.	1.4	28
68	White matter structure alterations in HIV-1-infected men with sustained suppression of viraemia on treatment. Aids, 2016, 30, 311-322.	1.0	52
69	White matter hyperintensities in relation to cognition in HIV-infected men with sustained suppressed viral load on combination antiretroviral therapy. Aids, 2016, 30, 2329-2339.	1.0	67
70	Seeds of neuroendocrine doubt. Nature, 2016, 535, E1-E2.	13.7	8
71	Amyloid pathology and axonal injury after brain trauma. Neurology, 2016, 86, 821-828.	1.5	116
72	Neuroinflammation in treated HIV-positive individuals. Neurology, 2016, 86, 1425-1432.	1.5	136

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73	Longitudinal Diffusion Tensor Imaging Shows Progressive Changes in White Matter in Huntington's Disease. <i>Journal of Huntington's Disease</i> , 2015, 4, 333-346.	0.9	31
74	Subregional Hippocampal Morphology and Psychiatric Outcome in Adolescents Who Were Born Very Preterm and at Term. <i>PLoS ONE</i> , 2015, 10, e0130094.	1.1	14
75	Modulatory effects of brain-derived neurotrophic factor Val66Met polymorphism on prefrontal regions in major depressive disorder. <i>British Journal of Psychiatry</i> , 2015, 206, 379-384.	1.7	56
76	Authors' reply. <i>British Journal of Psychiatry</i> , 2015, 207, 363-364.	1.7	1
77	Abnormal hippocampal morphology in dissociative identity disorder and post-traumatic stress disorder correlates with childhood trauma and dissociative symptoms. <i>Human Brain Mapping</i> , 2015, 36, 1692-1704.	1.9	65
78	Prediction of brain age suggests accelerated atrophy after traumatic brain injury. <i>Annals of Neurology</i> , 2015, 77, 571-581.	2.8	349
79	The influence of HIV on brain age: Preliminary results from the Co-morbidity in Relation to AIDS (COBRA) collaboration. <i>Experimental Gerontology</i> , 2015, 68, 98.	1.2	0
80	Selective vulnerability of Rich Club brain regions is an organizational principle of structural connectivity loss in Huntington's disease. <i>Brain</i> , 2015, 138, 3327-3344.	3.7	96
81	Short-interval observational data to inform clinical trial design in Huntington's disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 1291-1298.	0.9	22
82	Cerebellar abnormalities in Huntington's disease: A role in motor and psychiatric impairment?. <i>Movement Disorders</i> , 2014, 29, 1648-1654.	2.2	45
83	The neuroanatomy of subthreshold depressive symptoms in Huntington's disease: a combined diffusion tensor imaging (DTI) and voxel-based morphometry (VBM) study. <i>Psychological Medicine</i> , 2014, 44, 1867-1878.	2.7	43
84	Inconsistent emotion recognition deficits across stimulus modalities in Huntington's disease. <i>Neuropsychologia</i> , 2014, 64, 99-104.	0.7	20
85	Test-Retest Reliability of Diffusion Tensor Imaging in Huntington's Disease. <i>PLOS Currents</i> , 2014, 6, .	1.4	11
86	Body mass index, but not FTO genotype or major depressive disorder, influences brain structure. <i>Neuroscience</i> , 2013, 252, 109-117.	1.1	40
87	Evaluating multicenter DTI data in Huntington's disease on site specific effects: An ex post facto approach. <i>NeuroImage: Clinical</i> , 2013, 2, 161-167.	1.4	28
88	Evaluation of multi-modal, multi-site neuroimaging measures in Huntington's disease: Baseline results from the PADDINGTON study. <i>NeuroImage: Clinical</i> , 2013, 2, 204-211.	1.4	34
89	Modulation of amygdala response and connectivity in depression by serotonin transporter polymorphism and diagnosis. <i>Journal of Affective Disorders</i> , 2013, 150, 96-103.	2.0	70
90	White matter abnormalities and illness severity in major depressive disorder. <i>British Journal of Psychiatry</i> , 2012, 201, 33-39.	1.7	126

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91	The origin, history and future of fiber-optic interferometric acoustic sensors for US Navy applications. Proceedings of SPIE, 2011, , .	0.8	7
92	No effect of 5HTTLPR or BDNF Val66Met polymorphism on hippocampal morphology in major depression. Genes, Brain and Behavior, 2011, 10, 756-764.	1.1	78
93	Hippocampal atrophy in first episode depression: A meta-analysis of magnetic resonance imaging studies. Journal of Affective Disorders, 2011, 134, 483-487.	2.0	262
94	Subregional hippocampal deformations in major depressive disorder. Journal of Affective Disorders, 2010, 126, 272-277.	2.0	87
95	Genetic Overlap Between Measures of Hyperactivity/Inattention and Mood in Children and Adolescents. Journal of the American Academy of Child and Adolescent Psychiatry, 2009, 48, 1094-1101.	0.3	67
96	The classification of depression: are we still confused?. British Journal of Psychiatry, 2008, 192, 83-85.	1.7	27
97	Improved Bend Loss Formula Verified for Optical Fiber by Simulation and Experiment. IEEE Journal of Quantum Electronics, 2007, 43, 899-909.	1.0	317
98	The Survey of Egypt. Geographical Journal, 1951, 117, 254.	1.6	0