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List of Publications by Year
in descending order

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71 papers	3,616 citations	126907 33 h-index	138484 58 g-index
72 all docs	72 docs citations	72 times ranked	5696 citing authors

#	Article	IF	Citations
1	The role of redo-Sentinel Lymph Node Biopsy in patients with prior ipsilateral breast cancer surgery. Clinical Breast Cancer, 2022, , .	2.4	0
2	Cognitive Test Scores and Progressive Cognitive Decline in the Aberdeen 1921 and 1936 Birth Cohorts. Brain Sciences, 2022, 12, 318.	2.3	1
3	Sexual dimorphism in the relationship between brain complexity, volume and general intelligence (g): a cross-cohort study. Scientific Reports, 2022, 12, .	3.3	4
4	Imprinting methylation predicts hippocampal volumes and hyperintensities and the change with age in later life. Scientific Reports, 2021, 11, 943.	3.3	10
5	Degeneration of basal and limbic networks is a core feature of behavioural variant frontotemporal dementia. Brain Communications, 2021, 3, fcab241.	3.3	3
6	Klotho gene polymorphism, brain structure and cognition in early-life development. Brain Imaging and Behavior, 2020, 14, 213-225.	2.1	5
7	Motion During Acquisition is Associated With fMRI Brain Entropy. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 586-593.	6.3	4
8	Detectability of small objects in PET/computed tomography phantom images with Bayesian penalised likelihood reconstruction. Nuclear Medicine Communications, 2020, Publish Ahead of Print, 666-673.	1.1	3
9	Aspirin moderates the association between cardiovascular risk, brain white matter hyperintensity total lesion volume and processing speed in normal ageing. Maturitas, 2020, 133, 49-53.	2.4	4
10	What are the earlier life contributions to reserve and resilience?. Neurobiology of Aging, 2019, 83, 135-139.	3.1	12
11	Cortical Thickness and Surface Area Networks in Healthy Aging, Alzheimerâ€™s Disease and Behavioral Variant Fronto-Temporal Dementia. International Journal of Neural Systems, 2019, 29, 1850055.	5.2	21
12	Autologous ¹¹¹Inâ€labelled platelet scan as a predictor of splenectomy outcome in <scp>ITP</scp>. British Journal of Haematology, 2019, 184, 1043-1045.	2.5	7
13	Increased diastolic blood pressure is associated with MRI biomarkers of dementia-related brain pathology in normative ageing. Age and Ageing, 2018, 47, 95-100.	1.6	26
14	Life-course determinants of cognitive reserve (CR) in cognitive aging and dementia â€“ a systematic literature review. Aging and Mental Health, 2018, 22, 921-932.	2.8	109
15	Intellectual engagement and cognitive ability in later life (the â€œuse it or lose itâ€•conjecture): longitudinal, prospective study. BMJ: British Medical Journal, 2018, 363, k4925.	2.3	35
16	A brain imaging repository of normal structural MRI across the life course: Brain Images of Normal Subjects (BRAINS). NeuroImage, 2017, 144, 299-304.	4.2	46
17	A comparison of measurement methods of hippocampal atrophy rate for predicting Alzheimer's dementia in the Aberdeen Birth Cohort of 1936. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2017, 6, 31-39.	2.4	12
18	Klotho, APOEÎµ4, cognitive ability, brain size, atrophy, and survival: a study in the Aberdeen Birth Cohort of 1936. Neurobiology of Aging, 2017, 55, 91-98.	3.1	22

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19	Potential of Low Dose Leuco-Methylthioninium Bis(Hydromethanesulphonate) (LMTM) Monotherapy for Treatment of Mild Alzheimerâ€™s Disease: Cohort Analysis as Modified Primary Outcome in a Phase III Clinical Trial. Journal of Alzheimer's Disease, 2017, 61, 435-457.	2.6	142
20	Late-life deficits in cognitive, physical and emotional functions, childhood intelligence and occupational profile: a life-course examination of the Aberdeen 1936 Birth Cohort (ABC1936). Age and Ageing, 2016, 45, 486-493.	1.6	10
21	Efficacy and safety of tau-aggregation inhibitor therapy in patients with mild or moderate Alzheimer's disease: a randomised, controlled, double-blind, parallel-arm, phase 3 trial. Lancet, The, 2016, 388, 2873-2884.	13.7	299
22	Cerebral correlates of cognitive reserve. Psychiatry Research - Neuroimaging, 2016, 247, 65-70.	1.8	26
23	Life course socioeconomic status and the decline in information processing speed in late life. Social Science and Medicine, 2016, 151, 130-138.	3.8	25
24	Brain hyperintensity location determines outcome in the triad of impaired cognition, physical health and depressive symptoms: A cohort study in late life. Archives of Gerontology and Geriatrics, 2016, 63, 49-54.	3.0	18
25	Fuzzy approximate entropy analysis of resting state fMRI signal complexity across the adult life span. Medical Engineering and Physics, 2015, 37, 1082-1090.	1.7	35
26	Early Life Socioeconomic Circumstance and Late Life Brain Hyperintensities â€“ A Population Based Cohort Study. PLoS ONE, 2014, 9, e88969.	2.5	23
27	Nonlinear Complexity Analysis of Brain fMRI Signals in Schizophrenia. PLoS ONE, 2014, 9, e95146.	2.5	114
28	Structural brain complexity and cognitive decline in late life â€” A longitudinal study in the Aberdeen 1936 Birth Cohort. NeuroImage, 2014, 100, 558-563.	4.2	36
29	Homocysteine, antioxidant micronutrients and late onset dementia. European Journal of Nutrition, 2014, 53, 277-285.	3.9	20
30	Improving the cost-effectiveness of photographic screening for diabetic macular oedema: a prospective, multi-centre, UK study. British Journal of Ophthalmology, 2014, 98, 1042-1049.	3.9	48
31	Genetic and environmental factors in late onset dementia: possible role for early parental death. International Journal of Geriatric Psychiatry, 2013, 28, 75-81.	2.7	16
32	DEPRESSIVE SYMPTOMS IN LATE LIFE AND CEREBROVASCULAR DISEASE: THE IMPORTANCE OF INTELLIGENCE AND LESION LOCATION. Depression and Anxiety, 2013, 30, 77-84.	4.1	12
33	SeHCAT retention values as measured with a collimated and an uncollimated gamma camera. Nuclear Medicine Communications, 2013, 34, 718-721.	1.1	8
34	Openness to experience and activity engagement facilitate the maintenance of verbal ability in older adults.. Psychology and Aging, 2012, 27, 849-854.	1.6	43
35	Improvement in DMSA imaging using adaptive noise reduction. Nuclear Medicine Communications, 2012, 33, 1212-1216.	1.1	7
36	Anticholinergic Drugs in Late Life: Adverse Effects on Cognition but not on Progress to Dementia. Journal of Alzheimer's Disease, 2012, 30, 253-261.	2.6	50

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37	Brain structural complexity and life course cognitive change. NeuroImage, 2012, 61, 694-701.	4.2	50
38	Reserve, Brain Changes, and Decline. Neuroimaging Clinics of North America, 2012, 22, 99-105.	1.0	38
39	Childhood socioeconomic status and adult brain size: Childhood socioeconomic status influences adult hippocampal size. Annals of Neurology, 2012, 71, 653-660.	5.3	144
40	Brain lesions, hypertension and cognitive ageing in the 1921 and 1936 Aberdeen birth cohorts. Age, 2012, 34, 451-459.	3.0	27
41	Do brain image databanks support understanding of normal ageing brain structure? A systematic review. European Radiology, 2012, 22, 1385-1394.	4.5	11
42	Electrophysiological entropy in younger adults, older controls and older cognitively declined adults. Brain Research, 2012, 1445, 1-10.	2.2	24
43	Cerebellar brain volume accounts for variance in cognitive performance in older adults. Cortex, 2011, 47, 441-450.	2.4	74
44	Regional cerebral blood flow and aberrant motor behaviour in Alzheimer's disease. Behavioural Brain Research, 2011, 222, 375-379.	2.2	13
45	How the 1932 and 1947 mental surveys of Aberdeen schoolchildren provide a framework to explore the childhood origins of late onset disease and disability. Maturitas, 2011, 69, 365-372.	2.4	42
46	Inter-individual Differences in fMRI Entropy Measurements in Old Age. IEEE Transactions on Biomedical Engineering, 2011, 58, 3206-3214.	4.2	44
47	The balance between cognitive reserve and brain imaging biomarkers of cerebrovascular and Alzheimer's diseases. Brain, 2011, 134, 3687-3696.	7.6	107
48	Childhood intelligence and brain white matter hyperintensities predict fluid intelligence age 78â€“81 years: a 1921 Aberdeen birth cohort study. Age and Ageing, 2011, 40, 562-567.	1.6	12
49	The use of FDG-PET in assessing axillary lymph node status in breast cancer: a systematic review and meta-analysis of the literature. Breast Cancer Research and Treatment, 2010, 123, 281-290.	2.5	68
50	Brain Volume and Survival from Age 78 to 85: The Contribution of Alzheimerâ€Type Magnetic Resonance Imaging Findings. Journal of the American Geriatrics Society, 2010, 58, 688-695.	2.6	19
51	Challenges in the conduct of disease-modifying trials in ad: Practical experience from a phase 2 trial of TAU-aggregation inhibitor therapy. Journal of Nutrition, Health and Aging, 2009, 13, 367-369.	3.3	85
52	Exploring possible neural mechanisms of intelligence differences using processing speed and working memory tasks: An fMRI study. Intelligence, 2009, 37, 199-206.	3.0	23
53	Shape analysis of 123I-N-ï‰-fluoropropyl-2-Î²-carbomethoxy-3Î²-(4-iodophenyl) nortropane single-photon emission computed tomography images in the assessment of patients with parkinsonian syndromes. Nuclear Medicine Communications, 2009, 30, 194-201.	1.1	19
54	Is retaining the youthful functional anatomy underlying speed of information processing a signature of successful cognitive ageing? An event-related fMRI study of inspection time performance. NeuroImage, 2008, 41, 581-595.	4.2	41

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55	Monitoring primary breast cancer throughout chemotherapy using FDG-PET. Breast Cancer Research and Treatment, 2007, 102, 75-84.	2.5	108
56	Generality and specificity in cognitive aging: A volumetric brain analysis. NeuroImage, 2006, 30, 1433-1440.	4.2	43
57	Predicting response using MRI enhancement characteristics when response is determined using change in enhancement pattern: a potential for bias?. Breast Cancer Research and Treatment, 2006, 97, 111-111.	2.5	0
58	Baseline MRI delivery characteristics predict change in invasive ductal breast carcinoma PET metabolism as a result of primary chemotherapy administration. Annals of Oncology, 2006, 17, 1393-1398.	1.2	27
59	Brain White Matter Hyperintensities: Relative Importance of Vascular Risk Factors in Nondemented Elderly People. Radiology, 2005, 237, 251-257.	7.3	184
60	The use of the Levenbergâ€“Marquardt curve-fitting algorithm in pharmacokinetic modelling of DCE-MRI data. Physics in Medicine and Biology, 2005, 50, N85-N92.	3.0	84
61	The effects of renal variation upon measurements of perfusion and leakage volume in breast tumours. Physics in Medicine and Biology, 2004, 49, 2041-2051.	3.0	18
62	The relationship between vascular and metabolic characteristics of primary breast tumours. European Radiology, 2004, 14, 2038-2045.	4.5	104
63	What provides cerebral reserve?. Brain, 2004, 127, 1191-1199.	7.6	217
64	Advanced imaging: Magnetic resonance imaging in implant dentistry. Clinical Oral Implants Research, 2003, 14, 18-27.	4.5	85
65	Brain white matter lesions detected by magnetic resosnance imaging are associated with balance and gait speed. Journal of Neurology, Neurosurgery and Psychiatry, 2003, 74, 94-98.	1.9	183
66	Cerebral white matter abnormalities and lifetime cognitive change: A 67-year follow-up of the Scottish Mental Survey of 1932.. Psychology and Aging, 2003, 18, 140-148.	1.6	83
67	Cerebral blood flow and cognitive responses to rivastigmine treatment in Alzheimerâ€™s disease. NeuroReport, 2002, 13, 83-87.	1.2	106
68	The use of SPAMM to assess spatial distortion due to static field inhomogeneity in dental MRI. Physics in Medicine and Biology, 2001, 46, 1357-1367.	3.0	12
69	Neuropsychologic Correlates of Brain White Matter Lesions Depicted on MR Images: 1921 Aberdeen Birth Cohort. Radiology, 2001, 221, 51-55.	7.3	74
70	Accuracy of T1 measurement in dynamic contrast-enhanced breast MRI using two- and three-dimensional variable flip angle fast low-angle shot. Journal of Magnetic Resonance Imaging, 1999, 9, 163-171.	3.4	110
71	Delusions in Alzheimer's Disease: Spet Evidence of Right Hemispheric Dysfunction. Cortex, 1999, 35, 549-560.	2.4	79