

# Alan Jackson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3172500/publications.pdf>

Version: 2024-02-01

124  
papers

8,751  
citations

50566

48  
h-index

49824

91  
g-index

125  
all docs

125  
docs citations

125  
times ranked

12204  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surrogate vascular input function measurements from the superior sagittal sinus are repeatable and provide tissue-validated kinetic parameters in brain DCE-MRI. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
2	Effect of oxaliplatin plus 5-fluorouracil or capecitabine on circulating and imaging biomarkers in patients with metastatic colorectal cancer: a prospective biomarker study. <i>BMC Cancer</i> , 2021, 21, 354.	1.1	1
3	The LEGATOS technique: A new tissue-validated dynamic contrast-enhanced MRI method for whole-brain, high-spatial resolution parametric mapping. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2122-2136.	1.9	7
4	The microenvironment in sporadic and neurofibromatosis type II-related vestibular schwannoma: the same tumor or different? A comparative imaging and neuropathology study. <i>Journal of Neurosurgery</i> , 2021, 134, 1419-1429.	0.9	23
5	Detection of early changes in the post-radiosurgery vestibular schwannoma microenvironment using multinuclear MRI. <i>Scientific Reports</i> , 2021, 11, 15712.	1.6	8
6	Cerebral and tumoral blood flow in adult gliomas: a systematic review of results from magnetic resonance imaging. <i>British Journal of Radiology</i> , 2021, 94, 20201450.	1.0	7
7	Oxygen-enhanced MRI Is Feasible, Repeatable, and Detects Radiotherapy-induced Change in Hypoxia in Xenograft Models and in Patients with Non-small Cell Lung Cancer. <i>Clinical Cancer Research</i> , 2019, 25, 3818-3829.	3.2	51
8	Comparison of a Standard Resolution PET-CT Scanner With an HRRT Brain Scanner for Imaging Small Tumors Within the Head. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2019, 3, 434-443.	2.7	10
9	Stability of radiomics features in apparent diffusion coefficient maps from a multi-centre test-retest trial. <i>Scientific Reports</i> , 2019, 9, 4800.	1.6	93
10	Considering tumour volume for motion corrected DWI of colorectal liver metastases increases sensitivity of ADC to detect treatment-induced changes. <i>Scientific Reports</i> , 2019, 9, 3828.	1.6	4
11	Altered cognitive function in systemic lupus erythematosus and associations with inflammation and functional and structural brain changes. <i>Annals of the Rheumatic Diseases</i> , 2019, 78, 934-940.	0.5	50
12	Aortic Pulsatility Propagates Intracranially and Correlates with Dilated Perivascular Spaces and Small Vessel Compliance. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 1252-1260.	0.7	10
13	[18F]fluorothymidine and [18F]fluorodeoxyglucose PET Imaging Demonstrates Uptake and Differentiates Growth in Neurofibromatosis 2 Related Vestibular Schwannoma. <i>Otology and Neurotology</i> , 2019, 40, 826-835.	0.7	6
14	Inflammation and vascular permeability correlate with growth in sporadic vestibular schwannoma. <i>Neuro-Oncology</i> , 2019, 21, 314-325.	0.6	59
15	Low-dose T1W DCE-MRI for early time points perfusion measurement in patients with intracranial tumors: A pilot study applying the microsphere model to measure absolute cerebral blood flow. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 543-557.	1.9	9
16	Targeting Hypoxia to Improve Non-small Cell Lung Cancer Outcome. <i>Journal of the National Cancer Institute</i> , 2018, 110, 14-30.	3.0	177
17	Implementing diffusion-weighted MRI for body imaging in prospective multicentre trials: current considerations and future perspectives. <i>European Radiology</i> , 2018, 28, 1118-1131.	2.3	43
18	Plasma Tie2 is a tumor vascular response biomarker for VEGF inhibitors in metastatic colorectal cancer. <i>Nature Communications</i> , 2018, 9, 4672.	5.8	47

#	ARTICLE	IF	CITATIONS
19	Blood-brain barrier permeability of normal-appearing white matter in patients with vestibular schwannoma: A new hybrid approach for analysis of $\text{DCE-MRI}$ . Journal of Magnetic Resonance Imaging, 2017, 46, 79-93.	1.9	11
20	A data-driven statistical model that estimates measurement uncertainty improves interpretation of ADC reproducibility: a multi-site study of liver metastases. Scientific Reports, 2017, 7, 14084.	1.6	18
21	Focal Low and Global High Permeability Predict the Possibility, Risk, and Location of Hemorrhagic Transformation following Intra-Arterial Thrombolysis Therapy in Acute Stroke. American Journal of Neuroradiology, 2017, 38, 1730-1736.	1.2	12
22	Comparison of virtual unenhanced CT images of the abdomen under different iodine flow rates. Abdominal Radiology, 2017, 42, 312-321.	1.0	24
23	Imaging biomarker roadmap for cancer studies. Nature Reviews Clinical Oncology, 2017, 14, 169-186.	12.5	792
24	Primary Open Angle Glaucoma is Associated with MR Biomarkers of Cerebral Small Vessel Disease. Scientific Reports, 2016, 6, 22160.	1.6	6
25	A Cancer Research UK First Time in Human Phase I Trial of IMA950 (Novel Muropeptide Therapeutic) Tj ETQq1 1 0.784314 rgBT /Overl	3.2	125
26	Neuroimaging. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2016, 134, 27-50.	1.0	6
27	Mitotic Activity in Glioblastoma Correlates with Estimated Extravascular Extracellular Space Derived from Dynamic Contrast-Enhanced MR Imaging. American Journal of Neuroradiology, 2016, 37, 811-817.	1.2	23
28	Imaging Biomarkers of Angiogenesis and the Microvascular Environment in Cerebral Tumors. , 2016, , 303-325.		1
29	Prominence of Medullary Veins on Susceptibility-Weighted Images Provides Prognostic Information in Patients with Subacute Stroke. American Journal of Neuroradiology, 2016, 37, 423-429.	1.2	41
30	Vascular biomarkers derived from dynamic contrast-enhanced MRI predict response of vestibular schwannoma to antiangiogenic therapy in type 2 neurofibromatosis. Neuro-Oncology, 2016, 18, 275-282.	0.6	27
31	Oxygen-Enhanced MRI Accurately Identifies, Quantifies, and Maps Tumor Hypoxia in Preclinical Cancer Models. Cancer Research, 2016, 76, 787-795.	0.4	133
32	The Accuracy of ADC Measurements in Liver Is Improved by a Tailored and Computationally Efficient Local-Rigid Registration Algorithm. PLoS ONE, 2015, 10, e0132554.	1.1	4
33	The 18-kDa Mitochondrial Translocator Protein in Human Gliomas: An $^{11}\text{C}$ -( $^{\text{R}}$ )PK11195 PET Imaging and Neuropathology Study. Journal of Nuclear Medicine, 2015, 56, 512-517.	2.8	77
34	Dilated Perivascular Spaces in the Basal Ganglia Are a Biomarker of Small-Vessel Disease in a Very Elderly Population with Dementia. American Journal of Neuroradiology, 2015, 36, 893-898.	1.2	54
35	Imaging Intratumor Heterogeneity: Role in Therapy Response, Resistance, and Clinical Outcome. Clinical Cancer Research, 2015, 21, 249-257.	3.2	497
36	Dynamic Contrast-Enhanced Magnetic Resonance Imaging. , 2015, , 1-5.		0

#	ARTICLE	IF	CITATIONS
37	Dynamic Contrast-Enhanced Magnetic Resonance Imaging. , 2015, , 1439-1443.		0
38	Semi-Quantitative Parameter Analysis of DCE-MRI Revisited: Monte-Carlo Simulation, Clinical Comparisons, and Clinical Validation of Measurement Errors in Patients with Type 2 Neurofibromatosis. PLoS ONE, 2014, 9, e90300.	1.1	21
39	Imaging Angiogenesis. , 2014, , 127-146.		1
40	Noninvasive tumor hypoxia measurement using magnetic resonance imaging in murine U87 glioma xenografts and in patients with glioblastoma. Magnetic Resonance in Medicine, 2014, 71, 1854-1862.	1.9	54
41	Imaging Biomarkers of Angiogenesis and the Microvascular Environment in Cerebral Tumors. , 2014, , 1-24.		1
42	[11C]-(R)PK11195 tracer kinetics in the brain of glioma patients and a comparison of two referencing approaches. European Journal of Nuclear Medicine and Molecular Imaging, 2013, 40, 1406-1419.	3.3	55
43	Does living in a food insecure household impact on the diets and body composition of young children? Findings from the Southampton Women's Survey. Journal of Epidemiology and Community Health, 2012, 66, e6-e6.	2.0	67
44	BOLD imaging: a potential predictive biomarker of renal functional outcome following revascularization in atheromatous renovascular disease. Nephrology Dialysis Transplantation, 2012, 27, 1013-1019.	0.4	68
45	Post-mortem imaging as an alternative to autopsy in the diagnosis of adult deaths: a validation study. Lancet, The, 2012, 379, 136-142.	6.3	435
46	Dynamic contrast-enhanced MRI in clinical trials of antivascular therapies. Nature Reviews Clinical Oncology, 2012, 9, 167-177.	12.5	318
47	Age at Onset and Vascular Pathology in Late-Life Depression. American Journal of Geriatric Psychiatry, 2012, 20, 524-532.	0.6	28
48	Quantifying heterogeneity in human tumours using MRI and PET. European Journal of Cancer, 2012, 48, 447-455.	1.3	149
49	An improved coverage and spatial resolution using dual injection dynamic contrast-enhanced (ICE-DICE) MRI: A novel dynamic contrast-enhanced technique for cerebral tumors. Magnetic Resonance in Medicine, 2012, 68, 452-462.	1.9	30
50	Imaging vascular function for early stage clinical trials using dynamic contrast-enhanced magnetic resonance imaging. European Radiology, 2012, 22, 1451-1464.	2.3	138
51	Visualizing hormone actions in the brain. Trends in Endocrinology and Metabolism, 2011, 22, 153-163.	3.1	12
52	Imaging pharmacodynamics in oncology: the potential significance of $\alpha$ -flares. Annals of Nuclear Medicine, 2010, 24, 137-147.	1.2	6
53	Cerebrovascular Damage in Late-Life Depression Is Associated With Structural and Functional Abnormalities of Subcutaneous Small Arteries. Hypertension, 2010, 56, 734-740.	1.3	49
54	Vascular Function in Older Adults with Depressive Disorder. Biological Psychiatry, 2010, 68, 133-139.	0.7	78

#	ARTICLE	IF	CITATIONS
55	Imaging angiogenesis of genitourinary tumors. Nature Reviews Urology, 2010, 7, 69-82.	1.9	27
56	Imaging of Brain Tumors: Perfusion/Permeability. Neuroimaging Clinics of North America, 2010, 20, 337-353.	0.5	38
57	Quantifying Antivascular Effects of Monoclonal Antibodies to Vascular Endothelial Growth Factor: Insights from Imaging. Clinical Cancer Research, 2009, 15, 6674-6682.	3.2	142
58	Endoscopic Third Ventriculostomy: Predicting Outcome with Phase-Contrast MR Imaging. Radiology, 2009, 252, 825-832.	3.6	31
59	Comparison of normal tissue $R_2$ and $T_1$ and $R_2$ modulation by oxygen and carbogen. Magnetic Resonance in Medicine, 2009, 61, 75-83.	1.9	77
60	Quantifying spatial heterogeneity in dynamic contrast-enhanced MRI parameter maps. Magnetic Resonance in Medicine, 2009, 62, 488-499.	1.9	123
61	Preliminary Study of Oxygen-Enhanced Longitudinal Relaxation in MRI: A Potential Novel Biomarker of Oxygenation Changes in Solid Tumors. International Journal of Radiation Oncology Biology Physics, 2009, 75, 1209-1215.	0.4	107
62	Does black blood MRA have a role in the assessment of intracerebral aneurysms?. European Radiology, 2009, 19, 184-192.	2.3	8
63	Potential surrogate markers of cerebral microvascular angiopathy in asymptomatic subjects at risk of stroke. European Radiology, 2009, 19, 1011-1018.	2.3	28
64	Tumour enhancing fraction (EnF) in glioma: relationship to tumour grade. European Radiology, 2009, 19, 1489-1498.	2.3	16
65	Quantitative imaging biomarkers in neuro-oncology. Nature Reviews Clinical Oncology, 2009, 6, 445-454.	12.5	92
66	Why women of lower educational attainment struggle to make healthier food choices: The importance of psychological and social factors. Psychology and Health, 2009, 24, 1003-1020.	1.2	65
67	Quantitative imaging biomarkers in the clinical development of targeted therapeutics: current and future perspectives. Lancet Oncology, The, 2008, 9, 766-776.	5.1	150
68	Glandular Function in Sjögren Syndrome: Assessment with Dynamic Contrast-enhanced MR Imaging and Tracer Kinetic Modeling—Initial Experience. Radiology, 2008, 246, 845-853.	3.6	27
69	Age-associated losses of brain volume predict longitudinal cognitive declines over 8 to 20 years.. Neuropsychology, 2008, 22, 3-9.	1.0	19
70	Magnetic resonance perfusion imaging in neuro-oncology. Cancer Imaging, 2008, 8, 186-199.	1.2	23
71	Molecular Imaging of Targets and Therapeutics in Tumour Angiogenesis. , 2008, , 511-528.		0
72	Enhancing Fraction Predicts Clinical Outcome following First-Line Chemotherapy in Patients with Epithelial Ovarian Carcinoma. Clinical Cancer Research, 2007, 13, 6130-6135.	3.2	23

#	ARTICLE	IF	CITATIONS
73	Imaging Tumor Vascular Heterogeneity and Angiogenesis using Dynamic Contrast-Enhanced Magnetic Resonance Imaging. <i>Clinical Cancer Research</i> , 2007, 13, 3449-3459.	3.2	293
74	Phase I Evaluation of a Fully Human Anti- $\alpha_5\beta_1$ Integrin Monoclonal Antibody (CNTO 95) in Patients with Advanced Solid Tumors. <i>Clinical Cancer Research</i> , 2007, 13, 2128-2135.	3.2	136
75	White matter lesions account for all age-related declines in speed but not in intelligence.. <i>Neuropsychology</i> , 2007, 21, 363-370.	1.0	85
76	Effects of global atrophy, white matter lesions, and cerebral blood flow on age-related changes in speed, memory, intelligence, vocabulary, and frontal function.. <i>Neuropsychology</i> , 2007, 21, 684-695.	1.0	41
77	Organ-specific effects of oxygen and carbogen gas inhalation on tissue longitudinal relaxation times. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 490-496.	1.9	75
78	Virchow's Robin space dilatation may predict resistance to antidepressant monotherapy in elderly patients with depression. <i>Journal of Affective Disorders</i> , 2007, 97, 265-270.	2.0	60
79	Dynamic contrast-enhanced MR imaging in cancer. <i>Radiography</i> , 2007, 13, e45-e53.	1.1	4
80	Metabolic and molecular imaging in neuro-oncology. <i>Lancet Neurology</i> , The, 2007, 6, 711-724.	4.9	100
81	Changing concepts of cerebrospinal fluid hydrodynamics: Role of phase-contrast magnetic resonance imaging and implications for cerebral microvascular disease. <i>Neurotherapeutics</i> , 2007, 4, 511-522.	2.1	33
82	Comparison of the Performance of Tracer Kinetic Model-Driven Registration for Dynamic Contrast Enhanced MRI Using Different Models of Contrast Enhancement. <i>Academic Radiology</i> , 2006, 13, 1112-1123.	1.3	43
83	Losses in gross brain volume and cerebral blood flow account for age-related differences in speed but not in fluid intelligence.. <i>Neuropsychology</i> , 2006, 20, 549-557.	1.0	45
84	Deletion/Insertion Polymorphism of the Angiotensin-Converting Enzyme Gene and White Matter Hyperintensities in Dementia: A Pilot Study. <i>Journal of the American Geriatrics Society</i> , 2006, 54, 1395-1400.	1.3	29
85	Prognosis of late life depression: a three-year cohort study of outcome and potential predictors. <i>International Journal of Geriatric Psychiatry</i> , 2006, 21, 57-63.	1.3	50
86	Abnormalities of CSF flow patterns in the cerebral aqueduct in treatment-resistant late-life depression: A potential biomarker of microvascular angiopathy. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 509-516.	1.9	23
87	Experimentally-derived functional form for a population-averaged high-temporal-resolution arterial input function for dynamic contrast-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 993-1000.	1.9	574
88	Comparative study into the robustness of compartmental modeling and model-free analysis in DCE-MRI studies. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 23, 554-563.	1.9	145
89	Neurological findings in late-onset depressive disorder: comparison of individuals with and without depression. <i>British Journal of Psychiatry</i> , 2005, 186, 308-313.	1.7	33
90	Size and Growth Rate of Sporadic Vestibular Schwannoma: Predictive Value of Information Available at Presentation. <i>Otology and Neurotology</i> , 2005, 26, 86-92.	0.7	60

#	ARTICLE	IF	CITATIONS
91	Improved quantitative dynamic regional oxygen-enhanced pulmonary imaging using image registration. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 464-469.	1.9	43
92	Dynamic Contrast-Enhanced MRI in the Liver. , 2005, , 239-261.		0
93	Phase I investigation of recombinant anti-human vascular endothelial growth factor antibody in patients with advanced cancer. <i>European Journal of Cancer</i> , 2005, 41, 555-563.	1.3	54
94	Dynamic Contrast-Enhanced MRI in Cerebral Tumours. , 2005, , 117-143.		2
95	Is volume transfer coefficient (K(trans)) related to histologic grade in human gliomas?. <i>American Journal of Neuroradiology</i> , 2005, 26, 2455-65.	1.2	109
96	Dilatation of the Virchow-Robin space is a sensitive indicator of cerebral microvascular disease: study in elderly patients with dementia. <i>American Journal of Neuroradiology</i> , 2005, 26, 1512-20.	1.2	148
97	Perfusion MR imaging in adult neoplasia. , 2004, , 329-350.		0
98	A comparison of Ktrans measurements obtained with conventional and first pass pharmacokinetic models in human gliomas. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 19, 527-536.	1.9	60
99	Comparative study of methods for determining vascular permeability and blood volume in human gliomas. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 20, 748-757.	1.9	90
100	New hybrid technique for accurate and reproducible quantitation of dynamic contrast-enhanced MRI data. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 1286-1295.	1.9	30
101	Neoangiogenesis in association with moyamoya syndrome shown by estimation of relative recirculation based on dynamic contrast-enhanced MR images. <i>American Journal of Neuroradiology</i> , 2003, 24, 810-8.	1.2	15
102	Intracranial optic nerve meningioma: a serious diagnostic pitfall. <i>American Journal of Neuroradiology</i> , 2003, 24, 1167-70.	1.2	38
103	Dementing Disorders: Volumetric Measurement of Cerebrospinal Fluid to Distinguish Normal from Pathologic Findingsâ€”Feasibility Study. <i>Radiology</i> , 2002, 224, 278-285.	3.6	33
104	Molecular Imaging and Biological Evaluation of HuMV833 Anti-VEGF Antibody: Implications for Trial Design of Antiangiogenic Antibodies. <i>Journal of the National Cancer Institute</i> , 2002, 94, 1484-1493.	3.0	266
105	Developing a Virtual Reality Environment in Petrous Bone Surgery: A State-of-the-Art Review. <i>Otology and Neurotology</i> , 2002, 23, 111-121.	0.7	32
106	3D Image Fusion. <i>Medical Radiology</i> , 2002, , 61-76.	0.0	0
107	Using Bayesian tissue classification to improve the accuracy of vestibular schwannoma volume and growth measurement. <i>American Journal of Neuroradiology</i> , 2002, 23, 459-67.	1.2	48
108	Abnormalities in the recirculation phase of contrast agent bolus passage in cerebral gliomas: comparison with relative blood volume and tumor grade. <i>American Journal of Neuroradiology</i> , 2002, 23, 7-14.	1.2	213

#	ARTICLE	IF	CITATIONS
109	A study of the cortical processing of ano-rectal sensation using functional MRI. <i>Brain</i> , 2001, 124, 361-368.	3.7	166
110	Improved high resolution MR imaging for surface coils using automated intensity non-uniformity correction: Feasibility study in the orbit. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 14, 540-546.	1.9	28
111	Regional cerebral volume measurements in late-life depression: relationship to clinical correlates, neuropsychological impairment and response to treatment. <i>International Journal of Geriatric Psychiatry</i> , 2001, 16, 469-476.	1.3	40
112	Is the Clinical Expression of Late-Life Depression Influenced by Brain Changes? MRI Subcortical Neuroanatomical Correlates of Depressive Symptoms. <i>International Psychogeriatrics</i> , 2000, 12, 425-434.	0.6	28
113	Improved 3D quantitative mapping of blood volume and endothelial permeability in brain tumors. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 347-357.	1.9	171
114	The prognostic significance of abnormalities seen on magnetic resonance imaging in late life depression: clinical outcome, mortality and progression to dementia at three years. <i>International Journal of Geriatric Psychiatry</i> , 2000, 15, 1097-1104.	1.3	21
115	A fast model independent method for automatic correction of intensity nonuniformity in MRI data. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 550-562.	1.9	74
116	Improved quality of re-sliced MR images using re-normalized sinc interpolation. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 10, 582-588.	1.9	28
117	The differentiation of DSM-III-R psychotic depression in later life from nonpsychotic depression: comparisons of brain changes measured by multispectral analysis of magnetic resonance brain images, neuropsychological findings, and clinical features. <i>Biological Psychiatry</i> , 1999, 45, 193-204.	0.7	58
118	Subcortical Hyperintensities in Late-Life Depression: Acute Response to Treatment and Neuropsychological Impairment. <i>International Psychogeriatrics</i> , 1997, 9, 257-275.	0.6	96
119	The Influence of Chemical Shift Artifact on Magnetic Resonance Imaging of the Ligamentum Flavum at 0.5 Tesla. <i>Spine</i> , 1997, 22, 200-202.	1.0	5
120	MRI computer assisted linear brain ratios, and neuropsychology of treatment resistant depression in the elderly. <i>European Psychiatry</i> , 1996, 11, 277s-278s.	0.1	1
121	The role of CT and MRI in the investigation of orbital roof fractures. <i>European Journal of Radiology</i> , 1995, 19, 124-127.	1.2	2
122	Upper humeral cortical thickness as an indicator of osteopenia: diagnostic significance in solitary myeloma of bone. <i>Skeletal Radiology</i> , 1991, 20, 363-367.	1.2	10
123	Prognostic significance of osteopenia and immunoparesis at presentation in patients with solitary myeloma of bone. <i>European Journal of Cancer &amp; Clinical Oncology</i> , 1990, 26, 363-371.	0.9	44
124	Special clinical problems with myeloma. <i>Hematological Oncology</i> , 1988, 6, 119-123.	0.8	1