

# Edward F Jackson

## List of Publications by Year in descending order

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73  
papers

5,044  
citations

117625

34  
h-index

102487

66  
g-index

75  
all docs

75  
docs citations

75  
times ranked

7555  
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging biomarker roadmap for cancer studies. <i>Nature Reviews Clinical Oncology</i> , 2017, 14, 169-186.	27.6	792
2	Randomized Double-Blind Placebo-Controlled Trial of Bevacizumab Therapy for Radiation Necrosis of the Central Nervous System. <i>International Journal of Radiation Oncology Biology Physics</i> , 2011, 79, 1487-1495.	0.8	611
3	First Soluble M@C60Derivatives Provide Enhanced Access to Metallofullerenes and Permit in Vivo Evaluation of Gd@C60[C(COOH) <sub>2</sub> ] <sub>10</sub> as a MRI Contrast Agent. <i>Journal of the American Chemical Society</i> , 2003, 125, 5471-5478.	13.7	418
4	Dynamic Contrast-Enhanced Magnetic Resonance Imaging As a Pharmacodynamic Measure of Response After Acute Dosing of AG-013736, an Oral Angiogenesis Inhibitor, in Patients With Advanced Solid Tumors: Results From a Phase I Study. <i>Journal of Clinical Oncology</i> , 2005, 23, 5464-5473.	1.6	271
5	Safety, Pharmacokinetics, and Antitumor Activity of AMG 386, a Selective Angiopoietin Inhibitor, in Adult Patients With Advanced Solid Tumors. <i>Journal of Clinical Oncology</i> , 2009, 27, 3557-3565.	1.6	258
6	Quantitative imaging biomarkers alliance (QIBA) recommendations for improved precision of DWI and DCE-MRI derived biomarkers in multicenter oncology trials. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, e101-e121.	3.4	241
7	Phase II Study of Aflibercept in Recurrent Malignant Glioma: A North American Brain Tumor Consortium Study. <i>Journal of Clinical Oncology</i> , 2011, 29, 2689-2695.	1.6	204
8	Quantitative imaging biomarkers: A review of statistical methods for computer algorithm comparisons. <i>Statistical Methods in Medical Research</i> , 2015, 24, 68-106.	1.5	137
9	Caudate Nucleus Volume Asymmetry Predicts Attention-Deficit Hyperactivity Disorder (ADHD) Symptomatology in Children. <i>Journal of Child Neurology</i> , 2002, 17, 877-884.	1.4	92
10	Phase 1 study of docetaxel plus aflibercept in patients with recurrent ovarian, primary peritoneal, or fallopian tube cancer. <i>Lancet Oncology</i> , 2011, 12, 1109-1117.	10.7	91
11	Prospective, randomized, controlled trial of parathyroidectomy versus observation in patients with asymptomatic primary hyperparathyroidism. <i>Surgery</i> , 2009, 146, 1116-1122.	1.9	84
12	Synthesis and Characterization of Poly(l-glutamic acid) Gadolinium Chelate: A New Biodegradable MRI Contrast Agent. <i>Bioconjugate Chemistry</i> , 2004, 15, 1408-1415.	3.6	81
13	Quantitative Imaging Test Approval and Biomarker Qualification: Interrelated but Distinct Activities. <i>Radiology</i> , 2011, 259, 875-884.	7.3	80
14	Dynamic imaging of intracranial lesions using fast spin-echo imaging: Differentiation of brain tumors and treatment effects. <i>Journal of Magnetic Resonance Imaging</i> , 1997, 7, 1084-1093.	3.4	78
15	A phase I surrogate endpoint study of SU6668 in patients with solid tumors. <i>Investigational New Drugs</i> , 2004, 22, 459-466.	2.6	77
16	Quantitative Morphology of the Corpus Callosum in Children With Neurofibromatosis and Attention-Deficit Hyperactivity Disorder. <i>Journal of Child Neurology</i> , 2000, 15, 90-96.	1.4	76
17	Recommendations towards standards for quantitative MRI (qMRI) and outstanding needs. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, e26-e39.	3.4	67
18	Accuracy and Reproducibility in Volumetric Analysis of Multiple Sclerosis Lesions. <i>Journal of Computer Assisted Tomography</i> , 1993, 17, 200-205.	0.9	63

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19	MRI Features of Inflammatory Breast Cancer. <i>American Journal of Roentgenology</i> , 2011, 197, W769-W776.	2.2	63
20	Prequit fMRI Responses to Pleasant Cues and Cigarette-Related Cues Predict Smoking Cessation Outcome. <i>Nicotine and Tobacco Research</i> , 2014, 16, 697-708.	2.6	62
21	An event-related fMRI investigation of phonological versus semantic short-term memory. <i>Journal of Neurolinguistics</i> , 2003, 16, 341-360.	1.1	61
22	Validated imaging biomarkers as decision-making tools in clinical trials and routine practice: current status and recommendations from the EIBALL* subcommittee of the European Society of Radiology (ESR). <i>Insights Into Imaging</i> , 2019, 10, 87.	3.4	61
23	Assessment of locus and extent of neurotoxic lesions in monkeys using neuroimaging techniques: a replication. <i>Journal of Neuroscience Methods</i> , 2002, 121, 199-209.	2.5	59
24	Reproducibility of Perfusion Parameters in Dynamic Contrast-Enhanced MRI of Lung and Liver Tumors: Effect on Estimates of Patient Sample Size in Clinical Trials and on Individual Patient Responses. <i>American Journal of Roentgenology</i> , 2010, 194, W134-W140.	2.2	58
25	Phase II trial of irinotecan and thalidomide in adults with recurrent glioblastoma multiforme. <i>Neuro-Oncology</i> , 2008, 10, 216-222.	1.2	52
26	Quantitative Imaging to Assess Tumor Response to Therapy: Common Themes of Measurement, Truth Data, and Error Sources. <i>Translational Oncology</i> , 2009, 2, 198-210.	3.7	49
27	Targeting hypoxia-inducible factor-1 $\alpha$ (HIF-1 $\alpha$ ) in combination with antiangiogenic therapy: A phase I trial of bortezomib plus bevacizumab. <i>Oncotarget</i> , 2014, 5, 10280-10292.	1.8	49
28	Proton MR spectroscopy of gadolinium-enhanced multiple sclerosis plaques. <i>Journal of Magnetic Resonance Imaging</i> , 1992, 2, 263-270.	3.4	47
29	Cortical morphology associated with language function in neurofibromatosis, type I. <i>Brain and Language</i> , 2003, 85, 125-139.	1.6	42
30	Reproducibility of nonparametric feature map segmentation for determination of normal human intracranial volumes with MR imaging data. <i>Journal of Magnetic Resonance Imaging</i> , 1994, 4, 692-700.	3.4	41
31	A review of MRI pulse sequences and techniques in neuroimaging. <i>World Neurosurgery</i> , 1997, 47, 185-199.	1.3	41
32	Meta-analysis of the technical performance of an imaging procedure: Guidelines and statistical methodology. <i>Statistical Methods in Medical Research</i> , 2015, 24, 141-174.	1.5	40
33	Functional MRI of visual spatial processing in neurofibromatosis, type I. <i>Neuropsychologia</i> , 2004, 42, 395-404.	1.6	39
34	Linearity and Bias of Proton Density Fat Fraction as a Quantitative Imaging Biomarker: A Multicenter, Multiplatform, Multivendor Phantom Study. <i>Radiology</i> , 2021, 298, 640-651.	7.3	39
35	Significance of Planum Temporale and Planum Parietale Morphologic Features in Neurofibromatosis Type 1. <i>Archives of Neurology</i> , 2002, 59, 616.	4.5	36
36	Magnetic Resonance Imaging of Therapy-Induced Necrosis Using Gadolinium-Chelated Polyglutamic Acids. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 68, 830-838.	0.8	32

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37	Short TE hydrogen-1 spectroscopic MR imaging of normal human brain: Reproducibility studies. <i>Journal of Magnetic Resonance Imaging</i> , 1994, 4, 545-551.	3.4	31
38	Functional Magnetic Resonance Imaging of Phonologic Processing in Neurofibromatosis 1. <i>Journal of Child Neurology</i> , 2003, 18, 731-740.	1.4	29
39	Do brain responses to emotional images and cigarette cues differ? An fMRI study in smokers. <i>European Journal of Neuroscience</i> , 2011, 34, 2054-2063.	2.6	25
40	Reproducibility and Comparison of DCE-MRI and DCE-CT Perfusion Parameters in a Rat Tumor Model. <i>Technology in Cancer Research and Treatment</i> , 2012, 11, 279-288.	1.9	25
41	Magnetic Resonance Assessment of Response to Therapy: Tumor Change Measurement, Truth Data and Error Sources. <i>Translational Oncology</i> , 2009, 2, 211-215.	3.7	24
42	Use of Maximum Slope Images Generated From Dynamic Contrast-Enhanced MRI to Detect Locally Recurrent Prostate Carcinoma After Prostatectomy: A Practical Approach. <i>American Journal of Roentgenology</i> , 2012, 198, W228-W236.	2.2	24
43	Dependence of DCE-MRI biomarker values on analysis algorithm. <i>PLoS ONE</i> , 2015, 10, e0130168.	2.5	24
44	In vivo <sup>1</sup> H spectroscopic studies of human gastrocnemius muscle at 1.5 T. <i>Magnetic Resonance Imaging</i> , 1988, 6, 481-485.	1.8	23
45	Comparison of Monte Carlo calculations around a Fletcher Suit Delclos ovoid with radiochromic film and normoxic polymer gel dosimetry. <i>Medical Physics</i> , 2005, 32, 2288-2294.	3.0	22
46	Creating an anthropomorphic digital MR phantom—an extensible tool for comparing and evaluating quantitative imaging algorithms. <i>Physics in Medicine and Biology</i> , 2016, 61, 974-982.	3.0	21
47	Unsuppressed fat in the right anterior diaphragmatic region on fat-suppressed T2-weighted fast spin-echo MR images. <i>Journal of Magnetic Resonance Imaging</i> , 1995, 5, 145-149.	3.4	20
48	Development of prototype shielded cervical intracavitary brachytherapy applicators compatible with CT and MR imaging. <i>Medical Physics</i> , 2009, 36, 5515-5524.	3.0	19
49	Input parameter sensitivity analysis and comparison of quantification models for continuous arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 895-903.	3.0	17
50	Comparison of single- and dual-tracer pharmacokinetic modeling of dynamic contrast-enhanced MRI data using low, medium, and high molecular weight contrast agents. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 705-716.	3.0	16
51	Intraoperative Neuronavigation Using Diffusion Tensor MR Tractography for the Resection of a Deep Tumor Adjacent to the Corticospinal Tract. <i>Stereotactic and Functional Neurosurgery</i> , 2005, 83, 228-232.	1.5	15
52	Brain responses to erotic and other emotional stimuli in breast cancer survivors with and without distress about low sexual desire: a preliminary fMRI study. <i>Brain Imaging and Behavior</i> , 2013, 7, 533-542.	2.1	15
53	Pharmacokinetics and magnetic resonance imaging of biodegradable macromolecular blood-pool contrast agent PG-Gd in non-human primates: a pilot study. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 289-297.	0.8	14
54	Applications of Imaging Technology in Radiation Research. <i>Radiation Research</i> , 2012, 177, 387-397.	1.5	12

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55	Dynamic Gadolinium Uptake in Thermally Treated Canine Brain Tissue and Experimental Cerebral Tumors. <i>Investigative Radiology</i> , 2003, 38, 102-107.	6.2	11
56	Statistical Considerations for Planning Clinical Trials with Quantitative Imaging Biomarkers. <i>Journal of the National Cancer Institute</i> , 2019, 111, 19-26.	6.3	11
57	Magnetic resonance imaging and magnetic resonance angiography before postchemotherapy retroperitoneal lymph node dissection. <i>Urology</i> , 2000, 55, 262-266.	1.0	10
58	Quantitative Imaging: The Translation from Research Tool to Clinical Practice. <i>Radiology</i> , 2018, 286, 499-501.	7.3	9
59	Opportunities and challenges to utilization of quantitative imaging: Report of the <sc>AAPM</sc> practical big data workshop. <i>Medical Physics</i> , 2018, 45, e820-e828.	3.0	7
60	Real-time motion detection of functional MRI data. <i>Journal of Applied Clinical Medical Physics</i> , 2004, 5, 64-70.	1.9	7
61	Quantitative imaging biomarkers alliance (QIBA) recommendations for improved precision of DWI and DCE-MRI derived biomarkers in multicenter oncology trials. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, i.	3.4	5
62	Deformable Anatomic Templates Embed Knowledge Into Brain Images. <i>Journal of Computer Assisted Tomography</i> , 2012, 36, 280-284.	0.9	4
63	Development and evaluation of an arterial spin-labeling digital reference object for quality control and comparison of data analysis applications. <i>Physics in Medicine and Biology</i> , 2019, 64, 02NT01.	3.0	3
64	Principles of Magnetic Resonance Imaging and Magnetic Resonance Spectroscopy. , 2001, , 30-61.		3
65	Practical problems and solutions in spatially resolved spectroscopy. <i>Journal of Magnetic Resonance</i> , 1988, 79, 11-20.	0.5	2
66	Multiparametric fat-water separation method for fast chemical-shift imaging guidance of thermal therapies. <i>Medical Physics</i> , 2013, 40, 103302.	3.0	2
67	Experience in implementing continuous arterial spin labeling on a commercial MR scanner. <i>Journal of Applied Clinical Medical Physics</i> , 2005, 6, 94-100.	1.9	1
68	Targeted and Functional Imaging. , 2008, , 335-360.		1
69	Imaging of Metastatic Tumors of the Brain. , 0, , 71-98.		0
70	Assessing Tumor Angiogenesis with Dynamic Contrast Enhanced Magnetic Resonance Imaging. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	0
71	Characterization of a normoxic polyacrylamide gel using MRI and optical CT. <i>Journal of Physics: Conference Series</i> , 2009, 164, 012005.	0.4	0
72	The evolution of medical imaging from qualitative to quantitative: opportunities, challenges, and approaches (Conference Presentation). , 2016, , .		0

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73	Poly(L-Glutamic Acid). , 2006, , 185-199.		0