Edward F Jackson

List of Publications by Year
in descending order

73	5,044	117625	102487
papers	citations	34 h-index	66 g-index

75	75	75	7555
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Linearity and Bias of Proton Density Fat Fraction as a Quantitative Imaging Biomarker: A Multicenter, Multiplatform, Multivendor Phantom Study. Radiology, 2021, 298, 640-651.	7.3	39
2	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). Insights Into Imaging, 2019, 10, 87.	3.4	61
3	Recommendations towards standards for quantitative MRI (qMRI) and outstanding needs. Journal of Magnetic Resonance Imaging, 2019, 49, e26-e39.	3.4	67
4	Quantitative imaging biomarkers alliance (QIBA) recommendations for improved precision of DWI and DCEâ€MRI derived biomarkers in multicenter oncology trials. Journal of Magnetic Resonance Imaging, 2019, 49, i.	3.4	5
5	Development and evaluation of an arterial spin-labeling digital reference object for quality control and comparison of data analysis applications. Physics in Medicine and Biology, 2019, 64, 02NT01.	3.0	3
6	Statistical Considerations for Planning Clinical Trials with Quantitative Imaging Biomarkers. Journal of the National Cancer Institute, 2019, 111, 19-26.	6.3	11
7	Quantitative imaging biomarkers alliance (QIBA) recommendations for improved precision of DWI and DCEâ€MRI derived biomarkers in multicenter oncology trials. Journal of Magnetic Resonance Imaging, 2019, 49, e101-e121.	3.4	241
8	Quantitative Imaging: The Translation from Research Tool to Clinical Practice. Radiology, 2018, 286, 499-501.	7.3	9
9	Opportunities and challenges to utilization of quantitative imaging: Report of the <scp>AAPM</scp> practical big data workshop. Medical Physics, 2018, 45, e820-e828.	3.0	7
10	Imaging biomarker roadmap for cancer studies. Nature Reviews Clinical Oncology, 2017, 14, 169-186.	27.6	792
11	The evolution of medical imaging from qualitative to quantitative: opportunities, challenges, and approaches (Conference Presentation). , 2016, , .		0
12	Creating an anthropomorphic digital MR phantomâ€"an extensible tool for comparing and evaluating quantitative imaging algorithms. Physics in Medicine and Biology, 2016, 61, 974-982.	3.0	21
13	Dependence of DCE-MRI biomarker values on analysis algorithm. PLoS ONE, 2015, 10, e0130168.	2.5	24
14	Quantitative imaging biomarkers: A review of statistical methods for computer algorithm comparisons. Statistical Methods in Medical Research, 2015, 24, 68-106.	1.5	137
15	Meta-analysis of the technical performance of an imaging procedure: Guidelines and statistical methodology. Statistical Methods in Medical Research, 2015, 24, 141-174.	1.5	40
16	Targeting hypoxia-inducible factor-1Î± (HIF-1Î±) in combination with antiangiogenic therapy: A phase I trial of bortezomib plus bevacizumab. Oncotarget, 2014, 5, 10280-10292.	1.8	49
17	Prequit fMRI Responses to Pleasant Cues and Cigarette-Related Cues Predict Smoking Cessation Outcome. Nicotine and Tobacco Research, 2014, 16, 697-708.	2.6	62
18	Brain responses to erotic and other emotional stimuli in breast cancer survivors with and without distress about low sexual desire: a preliminary fMRI study. Brain Imaging and Behavior, 2013, 7, 533-542.	2.1	15

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19	Multiparametric fatâ€“water separation method for fast chemicalâ€shift imaging guidance of thermal therapies. Medical Physics, 2013, 40, 103302.	3.0	2
20	Reproducibility and Comparison of DCE-MRI and DCE-CT Perfusion Parameters in a Rat Tumor Model. Technology in Cancer Research and Treatment, 2012, 11, 279-288.	1.9	25
21	Use of Maximum Slope Images Generated From Dynamic Contrast-Enhanced MRI to Detect Locally Recurrent Prostate Carcinoma After Prostatectomy: A Practical Approach. American Journal of Roentgenology, 2012, 198, W228-W236.	2.2	24
22	Deformable Anatomic Templates Embed Knowledge Into Brain Images. Journal of Computer Assisted Tomography, 2012, 36, 280-284.	0.9	4
23	Applications of Imaging Technology in Radiation Research. Radiation Research, 2012, 177, 387-397.	1.5	12
24	Phase 1â€“2 study of docetaxel plus aflibercept in patients with recurrent ovarian, primary peritoneal, or fallopian tube cancer. Lancet Oncology, The, 2011, 12, 1109-1117.	10.7	91
25	Do brain responses to emotional images and cigarette cues differ? An fMRI study in smokers. European Journal of Neuroscience, 2011, 34, 2054-2063.	2.6	25
26	Pharmacokinetics and magnetic resonance imaging of biodegradable macromolecular bloodâ€pool contrast agent PGâ€“Gd in nonâ€human primates: a pilot study. Contrast Media and Molecular Imaging, 2011, 6, 289-297.	0.8	14
27	Randomized Double-Blind Placebo-Controlled Trial of Bevacizumab Therapy for Radiation Necrosis of the Central Nervous System. International Journal of Radiation Oncology Biology Physics, 2011, 79, 1487-1495.	0.8	611
28	MRI Features of Inflammatory Breast Cancer. American Journal of Roentgenology, 2011, 197, W769-W776.	2.2	63
29	Phase II Study of Aflibercept in Recurrent Malignant Glioma: A North American Brain Tumor Consortium Study. Journal of Clinical Oncology, 2011, 29, 2689-2695.	1.6	204
30	Quantitative Imaging Test Approval and Biomarker Qualification: Interrelated but Distinct Activities. Radiology, 2011, 259, 875-884.	7.3	80
31	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. American Journal of Roentgenology, 2010, 194, W134-W140.	2.2	58
32	Safety, Pharmacokinetics, and Antitumor Activity of AMG 386, a Selective Angiopoietin Inhibitor, in Adult Patients With Advanced Solid Tumors. Journal of Clinical Oncology, 2009, 27, 3557-3565.	1.6	258
33	Prospective, randomized, controlled trial of parathyroidectomy versus observation in patients withÂâ€œasymptomaticâ€•primary hyperparathyroidism. Surgery, 2009, 146, 1116-1122.	1.9	84
34	Development of prototype shielded cervical intracavitary brachytherapy applicators compatible with CT and MR imaging. Medical Physics, 2009, 36, 5515-5524.	3.0	19
35	Magnetic Resonance Assessment of Response to Therapy: Tumor Change Measurement, Truth Data and Error Sources. Translational Oncology, 2009, 2, 211-215.	3.7	24
36	Quantitative Imaging to Assess Tumor Response to Therapy: Common Themes of Measurement, Truth Data, and Error Sources. Translational Oncology, 2009, 2, 198-210.	3.7	49

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37	Characterization of a normoxic polyacrylamide gel using MRI and optical CT. Journal of Physics: Conference Series, 2009, 164, 012005.	0.4	0
38	Phase II trial of irinotecan and thalidomide in adults with recurrent glioblastoma multiforme. Neuro-Oncology, 2008, 10, 216-222.	1.2	52
39	Targeted and Functional Imaging. , 2008, , 335-360.		1
40	Comparison of singleâ€•and dualâ€tracer pharmacokinetic modeling of dynamic contrastâ€enhanced MRI data using low, medium, and high molecular weight contrast agents. Magnetic Resonance in Medicine, 2007, 58, 705-716.	3.0	16
41	Magnetic Resonance Imaging of Therapy-Induced Necrosis Using Gadolinium-Chelated Polyglutamic Acids. International Journal of Radiation Oncology Biology Physics, 2007, 68, 830-838.	0.8	32
42	Assessing Tumor Angiogenesis with Dynamic Contrast Enhanced Magnetic Resonance Imaging. AIP Conference Proceedings, 2006, , .	0.4	0
43	Poly(L-Glutamic Acid). , 2006, , 185-199.		0
44	Input parameter sensitivity analysis and comparison of quantification models for continuous arterial spin labeling. Magnetic Resonance in Medicine, 2005, 53, 895-903.	3.0	17
45	Experience in implementing continuous arterial spin labeling on a commercial MR scanner. Journal of Applied Clinical Medical Physics, 2005, 6, 94-100.	1.9	1
46	Comparison of Monte Carlo calculations around a Fletcher Suit Delclos ovoid with radiochromic film and normoxic polymer gel dosimetry. Medical Physics, 2005, 32, 2288-2294.	3.0	22
47	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. Journal of Clinical Oncology, 2005, 23, 5464-5473.	1.6	271
48	Intraoperative Neuronavigation Using Diffusion Tensor MR Tractography for the Resection of a Deep Tumor Adjacent to the Corticospinal Tract. Stereotactic and Functional Neurosurgery, 2005, 83, 228-232.	1.5	15
49	Functional MRI of visualâ€“spatial processing in neurofibromatosis, type I. Neuropsychologia, 2004, 42, 395-404.	1.6	39
50	A phase I surrogate endpoint study of SU6668 in patients with solid tumors. Investigational New Drugs, 2004, 22, 459-466.	2.6	77
51	Synthesis and Characterization of Poly(l-glutamic acid) Gadolinium Chelate:â€‰ A New Biodegradable MRI Contrast Agent. Bioconjugate Chemistry, 2004, 15, 1408-1415.	3.6	81
52	Real-time motion detection of functional MRI data. Journal of Applied Clinical Medical Physics, 2004, 5, 64-70.	1.9	7
53	First Soluble M@C60Derivatives Provide Enhanced Access to Metallofullerenes and Permit in Vivo Evaluation of Gd@C60[C(COOH)2]10as a MRI Contrast Agent. Journal of the American Chemical Society, 2003, 125, 5471-5478.	13.7	418
54	Cortical morphology associated with language function in neurofibromatosis, type I. Brain and Language, 2003, 85, 125-139.	1.6	42

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55	An event-related fMRI investigation of phonological versus semantic short-term memory. Journal of Neurolinguistics, 2003, 16, 341-360.	1.1	61
56	Functional Magnetic Resonance Imaging of Phonologic Processing in Neurofibromatosis 1. Journal of Child Neurology, 2003, 18, 731-740.	1.4	29
57	Dynamic Gadolinium Uptake in Thermally Treated Canine Brain Tissue and Experimental Cerebral Tumors. Investigative Radiology, 2003, 38, 102-107.	6.2	11
58	Caudate Nucleus Volume Asymmetry Predicts Attention-Deficit Hyperactivity Disorder (ADHD) Symptomatology in Children. Journal of Child Neurology, 2002, 17, 877-884.	1.4	92
59	Significance of Planum Temporale and Planum Parietale Morphologic Features in Neurofibromatosis Type 1. Archives of Neurology, 2002, 59, 616.	4.5	36
60	Assessment of locus and extent of neurotoxic lesions in monkeys using neuroimaging techniques: a replication. Journal of Neuroscience Methods, 2002, 121, 199-209.	2.5	59
61	Principles of Magnetic Resonance Imaging and Magnetic Resonance Spectroscopy. , 2001, , 30-61.		3
62	Quantitative Morphology of the Corpus Callosum in Children With Neurofibromatosis and Attention-Deficit Hyperactivity Disorder. Journal of Child Neurology, 2000, 15, 90-96.	1.4	76
63	Magnetic resonance imaging and magnetic resonance angiography before postchemotherapy retroperitoneal lymph node dissection. Urology, 2000, 55, 262-266.	1.0	10
64	A review of MRI pulse sequences and techniques in neuroimaging. World Neurosurgery, 1997, 47, 185-199.	1.3	41
65	Dynamic imaging of intracranial lesions using fast spin-echo imaging: Differentiation of brain tumors and treatment effects. Journal of Magnetic Resonance Imaging, 1997, 7, 1084-1093.	3.4	78
66	Unsuppressed fat in the right anterior diaphragmatic region on fat-suppressed T2-weighted fast spin-echo MR images. Journal of Magnetic Resonance Imaging, 1995, 5, 145-149.	3.4	20
67	Short TE hydrogen-1 spectroscopic MR imaging of normal human brain: Reproducibility studies. Journal of Magnetic Resonance Imaging, 1994, 4, 545-551.	3.4	31
68	Reproducibility of nonparametric feature map segmentation for determination of normal human intracranial volumes with MR imaging data. Journal of Magnetic Resonance Imaging, 1994, 4, 692-700.	3.4	41
69	Accuracy and Reproducibility in Volumetric Analysis of Multiple Sclerosis Lesions. Journal of Computer Assisted Tomography, 1993, 17, 200-205.	0.9	63
70	Proton MR spectroscopy of gadolinium-enhanced multiple sclerosis plaques. Journal of Magnetic Resonance Imaging, 1992, 2, 263-270.	3.4	47
71	In vivo 1H spectroscopic studies of human gastrocnemius muscle at 1.5 T. Magnetic Resonance Imaging, 1988, 6, 481-485.	1.8	23
72	Practical problems and solutions in spatially resolved spectroscopy. Journal of Magnetic Resonance, 1988, 79, 11-20.	0.5	2

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73	Imaging of Metastatic Tumors of the Brain. , 0, , 71-98.		0