Richard G Abramson

List of Publications by Year
in descending order

81 papers	2,187 citations	279798 23 h-index	254184 43 g-index
82 all docs	82 docs citations	82 times ranked	3709 citing authors

#	Article	IF	Citations
1	High-resolution 3D abdominal segmentation with random patch network fusion. Medical Image Analysis, 2021, 69, 101894.	11.6	26
2	Validation and estimation of spleen volume via computer-assisted segmentation on clinically acquired CT scans. Journal of Medical Imaging, 2021, 8, 014004.	1.5	4
3	Rap-Net: Coarse-To-Fine Multi-Organ Segmentation With Single Random Anatomical Prior. , 2021, 2021, 1491-1494.		3
4	TBCRC 032 IB/II Multicenter Study: Molecular Insights to AR Antagonist and PI3K Inhibitor Efficacy in Patients with AR+ Metastatic Triple-Negative Breast Cancer. Clinical Cancer Research, 2020, 26, 2111-2123.	7.0	91
5	Validation and optimization of multi-organ segmentation on clinical imaging archives. , 2020, 11313, .		0
6	Quantitative Comparison of Prone and Supine PERCIST Measurements in Breast Cancer. Tomography, 2020, 6, 170-176.	1.8	2
7	Semi-supervised multi-organ segmentation through quality assurance supervision. , 2020, 11313, .		6
8	Contrast phase classification with a generative adversarial network. , 2020, 11313, .		4
9	Outlier guided optimization of abdominal segmentation. , 2020, 11313, .		1
10	Learning from dispersed manual annotations with an optimized data weighting policy. Journal of Medical Imaging, 2020, 7, 1.	1.5	2
11	Translating preclinical MRI methods to clinical oncology. Journal of Magnetic Resonance Imaging, 2019, 50, 1377-1392.	3.4	24
12	Acceleration of spleen segmentation with end-to-end deep learning method and automated pipeline. Computers in Biology and Medicine, 2019, 107, 109-117.	7.0	14
13	Anti–PD-1–Induced Pneumonitis Is Associated with Persistent Imaging Abnormalities in Melanoma Patients. Cancer Immunology Research, 2019, 7, 1755-1759.	3.4	20
14	SynSeg-Net: Synthetic Segmentation Without Target Modality Ground Truth. IEEE Transactions on Medical Imaging, 2019, 38, 1016-1025.	8.9	163
15	Splenomegaly Segmentation on Multi-Modal MRI Using Deep Convolutional Networks. IEEE Transactions on Medical Imaging, 2019, 38, 1185-1196.	8.9	35
16	Stochastic tissue window normalization of deep learning on computed tomography. Journal of Medical Imaging, 2019, 6, 1.	1.5	11
17	Improving splenomegaly segmentation by learning from heterogeneous multi-source labels. , 2019, 10949, .		14
18	The Impact of Arterial Input Function Determination Variations on Prostate Dynamic Contrast-Enhanced Magnetic Resonance Imaging Pharmacokinetic Modeling: A Multicenter Data Analysis Challenge, Part II. Tomography, 2019, 5, 99-109.	1.8	44

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19	Robust Multicontrast MRI Spleen Segmentation for Splenomegaly Using Multi-Atlas Segmentation. IEEE Transactions on Biomedical Engineering, 2018, 65, 336-343.	4.2	22
20	Repeatability, reproducibility, and accuracy of quantitative mri of the breast in the community radiology setting. Journal of Magnetic Resonance Imaging, 2018, 48, 695-707.	3.4	38
21	On Quality Metrics and Quantitative Imaging. Radiology, 2018, 287, 367-372.	7.3	1
22	The Attenuation Distribution Across the Long Axis of Breast Cancer Liver Metastases at CT: A Quantitative Biomarker for Predicting Overall Survival. American Journal of Roentgenology, 2018, 210, W1-W7.	2.2	4
23	Splenomegaly segmentation using global convolutional kernels and conditional generative adversarial networks. , 2018, 10574, .		29
24	Creating Value through Incremental Innovation: Managing Culture, Structure, and Process. Radiology, 2018, 288, 330-340.	7.3	13
25	Fully convolutional neural networks improve abdominal organ segmentation. , 2018, 10574, .		34
26	Adversarial synthesis learning enables segmentation without target modality ground truth. , 2018, , .		78
27	Automated Characterization of Body Composition and Frailty with Clinically Acquired CT. Lecture Notes in Computer Science, 2018, 10734, 25-35.	1.3	12
28	Report of the ACRâ€™s Economics Committee on Value-Based Payment Models. Journal of the American College of Radiology, 2017, 14, 6-14.	1.8	22
29	Multi-atlas segmentation enables robust multi-contrast MRI spleen segmentation for splenomegaly. , 2017, 10133, .		5
30	Multi-atlas spleen segmentation on CT using adaptive context learning. Proceedings of SPIE, 2017, 10133, .	0.8	9
31	Building a Hospital Core Resource for Clinical Research Imaging: Lessons for Driving Change Within Complex Organizations. Journal of the American College of Radiology, 2017, 14, 1359-1362.	1.8	1
32	Dynamic contrast-enhanced magnetic resonance imaging and diffusion-weighted magnetic resonance imaging for predicting the response of locally advanced breast cancer to neoadjuvant therapy: a meta-analysis. Journal of Medical Imaging, 2017, 5, 1.	1.5	18
33	Combining multiparametric MRI with receptor information to optimize prediction of pathologic response to neoadjuvant therapy in breast cancer: preliminary results. Journal of Medical Imaging, 2017, 5, 1.	1.5	4
34	Phase I trial of vorinostat added to chemoradiation with capecitabine in pancreatic cancer. Radiotherapy and Oncology, 2016, 119, 312-318.	0.6	51
35	Whole abdominal wall segmentation using augmented active shape models (AASM) with multi-atlas label fusion and level set. , 2016, 9784, .		2
36	Improving Spleen Volume Estimation Via Computer-assisted Segmentation on Clinically Acquired CT Scans. Academic Radiology, 2016, 23, 1214-1220.	2.5	9

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37	Evaluation of body-wise and organ-wise registrations for abdominal organs. Proceedings of SPIE, 2016, 9784, .	0.8	4
38	Towards real-time topical detection and characterization of FDG dose infiltration prior to PET imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 2374-2380.	6.4	16
39	Evaluation of Six Registration Methods for the Human Abdomen on Clinically Acquired CT. IEEE Transactions on Biomedical Engineering, 2016, 63, 1563-1572.	4.2	111
40	The Attenuation Distribution Across the Long Axis (ADLA). Academic Radiology, 2016, 23, 718-723.	2.5	3
41	MR Imaging Biomarkers in Oncology Clinical Trials. Magnetic Resonance Imaging Clinics of North America, 2016, 24, 11-29.	1.1	33
42	Quantitative Magnetization Transfer Imaging of the Breast at 3.0 T: Reproducibility in Healthy Volunteers. Tomography, 2016, 2, 260-266.	1.8	10
43	Quantitative CT Imaging of Ventral Hernias: Preliminary Validation of an Anatomical Labeling Protocol. PLoS ONE, 2015, 10, e0141671.	2.5	13
44	Development of a diaphragmatic motion-based elastography framework for assessment of liver stiffness. , 2015, , .		1
45	Efficient multi-atlas abdominal segmentation on clinically acquired CT with SIMPLE context learning. Medical Image Analysis, 2015, 24, 18-27.	11.6	84
46	Pitfalls in RECIST Data Extraction for Clinical Trials. Academic Radiology, 2015, 22, 779-786.	2.5	31
47	Efficient abdominal segmentation on clinically acquired CT with SIMPLE context learning. Proceedings of SPIE, 2015, 9413, .	0.8	3
48	Evaluation of five image registration tools for abdominal CT: pitfalls and opportunities with soft anatomy. , 2015, 9413, .		8
49	VIDA: A Voxel-Based Dosimetry Method for Targeted Radionuclide Therapy Using Geant4. Cancer Biotherapy and Radiopharmaceuticals, 2015, 30, 16-26.	1.0	49
50	Prone Versus Supine Breast FDG-PET/CT for Assessing Locoregional Disease Distribution in Locally Advanced Breast Cancer. Academic Radiology, 2015, 22, 853-859.	2.5	11
51	Comparison of prone versus supine 18F-FDG-PET of locally advanced breast cancer: Phantom and preliminary clinical studies. Medical Physics, 2015, 42, 3801-3813.	3.0	8
52	Multi-atlas segmentation for abdominal organs with Gaussian mixture models. , 2015, 9417, .		4
53	Multiparametric Magnetic Resonance Imaging for Predicting Pathological Response After the First Cycle of Neoadjuvant Chemotherapy in Breast Cancer. Investigative Radiology, 2015, 50, 195-204.	6.2	126
54	Clinical Activity of Ipilimumab in Acral Melanoma: A Retrospective Review. Oncologist, 2015, 20, 648-652.	3.7	38

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55	Clinical Utility of Quantitative Imaging. Academic Radiology, 2015, 22, 33-49.	2.5	79
56	Methods and Challenges in Quantitative Imaging Biomarker Development. Academic Radiology, 2015, 22, 25-32.	2.5	80
57	Fusion Transcript Discovery in Formalin-Fixed Paraffin-Embedded Human Breast Cancer Tissues Reveals a Link to Tumor Progression. PLoS ONE, 2014, 9, e94202.	2.5	16
58	DCEâ€MRI analysis methods for predicting the response of breast cancer to neoadjuvant chemotherapy: Pilot study findings. Magnetic Resonance in Medicine, 2014, 71, 1592-1602.	3.0	100
59	Quantitative multimodality imaging in cancer research and therapy. Nature Reviews Clinical Oncology, 2014, 11, 670-680.	27.6	105
60	Shape-constrained multi-atlas segmentation of spleen in CT. Proceedings of SPIE, 2014, 9034, 903446.	0.8	12
61	Longitudinal, intermodality registration of quantitative breast PET and MRI data acquired before and during neoadjuvant chemotherapy: Preliminary results. Medical Physics, 2014, 41, 052302.	3.0	15
62	Imaging Biomarkers and Surrogate Endpoints in Oncology Clinical Trials. , 2014, , 29-42.		1
63	SIMPLE Is a Good Idea (and Better with Context Learning). Lecture Notes in Computer Science, 2014, 17, 364-371.	1.3	10
64	Analyzing Spatial Heterogeneity in DCE- and DW-MRI Parametric Maps to Optimize Prediction of Pathologic Response to Neoadjuvant Chemotherapy in Breast Cancer. Translational Oncology, 2014, 7, 14-22.	3.7	35
65	Hepatobiliary Imaging. Magnetic Resonance Imaging Clinics of North America, 2014, 22, xv-xvi.	1.1	0
66	Early assessment of breast cancer response to neoadjuvant chemotherapy by semi-quantitative analysis of high-temporal resolution DCE-MRI: Preliminary results. Magnetic Resonance Imaging, 2013, 31, 1457-1464.	1.8	67
67	Complications of Targeted Drug Therapies for Solid Malignancies: Manifestations and Mechanisms. American Journal of Roentgenology, 2013, 200, 475-483.	2.2	33
68	A mechanically coupled reaction diffusion model of breast tumor response during neoadjuvant chemotherapy. Proceedings of SPIE, 2013, , .	0.8	1
69	Potential of compressed sensing in quantitative MR imaging of cancer. Cancer Imaging, 2013, 13, 633-644.	2.8	16
70	Phase I trial of chemoradiation with capecitabine and vorinostat in pancreatic cancer.. Journal of Clinical Oncology, 2013, 31, 225-225.	1.6	3
71	Variability in Radiology Practice in the United States: A Former Teleradiologistâ€™s Perspective. Radiology, 2012, 263, 318-322.	7.3	12
72	Current and emerging quantitative magnetic resonance imaging methods for assessing and predicting the response of breast cancer to neoadjuvant therapy. Breast Cancer: Targets and Therapy, 2012, 2012, 139.	1.8	20

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73	Accountable Care Organizations and Radiology: Threat or Opportunity?. Journal of the American College of Radiology, 2012, 9, 900-906.	1.8	17
74	Quantitative metrics in clinical radiology reporting: a snapshot perspective from a single mixed academic-community practice. Magnetic Resonance Imaging, 2012, 30, 1357-1366.	1.8	9
75	Simultaneous PET–MRI in oncology: a solution looking for a problem?. Magnetic Resonance Imaging, 2012, 30, 1342-1356.	1.8	66
76	An algorithm for longitudinal registration of PET/CT images acquired during neoadjuvant chemotherapy in breast cancer: preliminary results. EJNMMI Research, 2012, 2, 62.	2.5	12
77	Early Detection of Ovarian Cancer with Conventional and Contrast-Enhanced Transvaginal Sonography: Recent Advances and Potential Improvements. Journal of Oncology, 2012, 2012, 1-11.	1.3	18
78	Age-Related Structural and Functional Changes in the Breast: Multimodality Correlation With Digital Mammography, Computed Tomography, Magnetic Resonance Imaging, and Positron Emission Tomography. Seminars in Nuclear Medicine, 2007, 37, 146-153.	4.6	17
79	Tutor versus Computer. Academic Radiology, 2002, 9, 40-49.	2.5	45
80	Cost-effectiveness of Hepatic Arterial Chemoembolization for Colorectal Liver Metastases Refractory to Systemic Chemotherapy. Radiology, 2000, 216, 485-491.	7.3	21
81	State Involvement in Medical Technology Assessment. Health Affairs, 1995, 14, 83-98.	5.2	8