Timothy D Johnson

List of Publications by Year
in descending order

116 papers	9,008 citations	50244 46 h-index	42364 92 g-index
119 all docs	119 docs citations	119 times ranked	11168 citing authors

#	Article	IF	Citations
1	A spatial Bayesian latent factor model for imageâ€onâ€image regression. Biometrics, 2022, 78, 72-84.	0.8	7
2	Exposure-Focused CBT Outperforms Relaxation-Based Control in an RCT of Treatment for Child and Adolescent Anxiety. Journal of Clinical Child and Adolescent Psychology, 2022, 51, 410-418.	2.2	8
3	Neuroradiological features of the polymorphous low-grade neuroepithelial tumor of the young: five new cases with a systematic review of the literature. Neuroradiology, 2022, 64, 1255-1264.	1.1	22
4	Pretreatment ADC Histogram Analysis as a Prognostic Imaging Biomarker for Patients with Recurrent Glioblastoma Treated with Bevacizumab: A Systematic Review and Meta-analysis. American Journal of Neuroradiology, 2022, 43, 202-206.	1.2	11
5	A Data-Driven Approach to Predicting 5-Aminolevulinic Acidâ€“Induced Fluorescence and World Health Organization Grade in Newly Diagnosed Diffuse Gliomas. Neurosurgery, 2022, Publish Ahead of Print, .	0.6	2
6	P566. Elucidating Mechanisms of Social Cognitive Deficits Through fMRI and Bayesian Latent Variable Analysis. Biological Psychiatry, 2022, 91, S318.	0.7	0
7	Parametric Response Mapping of FLAIR MRI Provides an Early Indication of Progression Risk in Glioblastoma. Academic Radiology, 2021, 28, 1711-1720.	1.3	6
8	Improved detection of air trapping on expiratory computed tomography using deep learning. PLoS ONE, 2021, 16, e0248902.	1.1	13
9	Aberrant activation of the mentalizing brain system during eye gaze discrimination in bipolar disorder. Psychiatry Research - Neuroimaging, 2021, 315, 111340.	0.9	2
10	Applying hierarchical bayesian modeling to experimental psychopathology data: An introduction and tutorial.. Journal of Abnormal Psychology, 2021, 130, 923-936.	2.0	3
11	Near real-time intraoperative brain tumor diagnosis using stimulated Raman histology and deep neural networks. Nature Medicine, 2020, 26, 52-58.	15.2	413
12	Estimating the prevalence of missing experiments in a neuroimaging metaâ€analysis. Research Synthesis Methods, 2020, 11, 866-883.	4.2	28
13	Lung T1 mapping magnetic resonance imaging in the assessment of pulmonary disease in children with cystic fibrosis: a pilot study. Pediatric Radiology, 2020, 50, 923-934.	1.1	8
14	Multicenter evaluation of parametric response mapping as an indicator of bronchiolitis obliterans syndrome after hematopoietic stem cell transplantation. American Journal of Transplantation, 2020, 20, 2198-2205.	2.6	24
15	Effects of plasma glucose levels on regional cerebral 18F-fluorodeoxyglucose uptake: Implications for dementia evaluation with brain PET imaging. Biomedicine and Pharmacotherapy, 2019, 112, 108628.	2.5	9
16	A mixed-effects, spatially varying coefficients model with application to multi-resolution functional magnetic resonance imaging data. Statistical Methods in Medical Research, 2019, 28, 1203-1215.	0.7	2
17	Impact of Clinical History on Maximum PI-RADS Version 2 Score: A Six-Reader 120-Case Sham History Retrospective Evaluation. Radiology, 2018, 288, 158-163.	3.6	11
18	Time series analysis of fMRI data: Spatial modelling and Bayesian computation. Statistics in Medicine, 2018, 37, 2753-2770.	0.8	6

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19	Effects of Tumor Burden on Reference Tissue Standardized Uptake for PET Imaging: Modification of PERCIST Criteria. Radiology, 2018, 287, 993-1002.	3.6	16
20	Spatial Bayesian Latent Factor Regression Modeling of Coordinate-based Meta-analysis Data. Biometrics, 2018, 74, 342-353.	0.8	15
21	Chest Radiograph Measurement Technique Facilitates Accurate Bedside Peripherally Inserted Central Catheter Placement in Children. CardioVascular and Interventional Radiology, 2018, 41, 443-448.	0.9	8
22	Removal of T-Fasteners Immediately After Percutaneous Gastrostomy Tube Placement: Experience in 488 Patients. American Journal of Roentgenology, 2018, 211, 1144-1147.	1.0	4
23	Metric Units and the Preferred Dosing of Orally Administered Liquid Medications. Pediatrics, 2017, 140, .	1.0	39
24	Rapid intraoperative histology of unprocessed surgical specimens via fibre-laser-based stimulated Raman scattering microscopy. Nature Biomedical Engineering, 2017, 1, .	11.6	374
25	Bayesian computation for Log-Gaussian Cox processes: a comparative analysis of methods. Journal of Statistical Computation and Simulation, 2017, 87, 2227-2252.	0.7	20
26	Voxelwise distribution of acute ischemic stroke lesions in patients with newly diagnosed atrial fibrillation: Trigger of arrhythmia or only target of embolism?. PLoS ONE, 2017, 12, e0177474.	1.1	15
27	Pre-surgical fMRI Data Analysis Using a Spatially Adaptive Conditionally Autoregressive Model. Bayesian Analysis, 2016, 11, 599-625.	1.6	11
28	¹⁸F-Choline PET/MRI: The Additional Value of PET for MRI-Guided Transrectal Prostate Biopsies. Journal of Nuclear Medicine, 2016, 57, 1065-1070.	2.8	42
29	Using Cox cluster processes to model latent pulse location patterns in hormone concentration data. Biostatistics, 2016, 17, 320-333.	0.9	1
30	Multi-Site Clinical Evaluation of DW-MRI as a Treatment Response Metric for Breast Cancer Patients Undergoing Neoadjuvant Chemotherapy. PLoS ONE, 2015, 10, e0122151.	1.1	55
31	Integrated Multimodal Imaging of Dynamic Bone-Tumor Alterations Associated with Metastatic Prostate Cancer. PLoS ONE, 2015, 10, e0123877.	1.1	9
32	A Bayesian Model of Category-Specific Emotional Brain Responses. PLoS Computational Biology, 2015, 11, e1004066.	1.5	212
33	Comparison of motion correction techniques applied to functional near-infrared spectroscopy data from children. Journal of Biomedical Optics, 2015, 20, 126003.	1.4	30
34	Parametric Response Mapping Monitors Temporal Changes on Lung CT Scans in the Subpopulations and Intermediate Outcome Measures in COPD Study (SPIROMICS). Academic Radiology, 2015, 22, 186-194.	1.3	86
35	Detection of human brain tumor infiltration with quantitative stimulated Raman scattering microscopy. Science Translational Medicine, 2015, 7, 309ra163.	5.8	249
36	Development of a Multiparametric Voxel-Based Magnetic Resonance Imaging Biomarker for Early Cancer Therapeutic Response Assessment. Tomography, 2015, 1, 44-52.	0.8	18

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37	PePr: a peak-calling prioritization pipeline to identify consistent or differential peaks from replicated ChIP-Seq data. Bioinformatics, 2014, 30, 2568-2575.	1.8	114
38	Parametric Response Mapping as a Diagnostic Indicator of Bronchiolitis Obliterans Syndrome. Biology of Blood and Marrow Transplantation, 2014, 20, S206-S207.	2.0	0
39	Diffusion tensor MRI of the corpus callosum in amyotrophic lateral sclerosis. Journal of Magnetic Resonance Imaging, 2014, 39, 641-647.	1.9	37
40	A space-time point process model for analyzing and predicting case patterns of diarrheal disease in northwestern Ecuador. Spatial and Spatio-temporal Epidemiology, 2014, 9, 23-35.	0.9	7
41	Diffusion tensor MRI of the corpus callosum in amyotrophic lateral sclerosis. Journal of Magnetic Resonance Imaging, 2014, 39, spcone-spcone.	1.9	0
42	Recognition and Management of Iatrogenically Induced Opioid Dependence and Withdrawal in Children. Pediatrics, 2014, 133, 152-155.	1.0	44
43	Off-Label Use of Drugs in Children. Pediatrics, 2014, 133, 563-567.	1.0	304
44	Parametric Response Mapping as an Indicator of Bronchiolitis Obliterans Syndrome after Hematopoietic Stem Cell Transplantation. Biology of Blood and Marrow Transplantation, 2014, 20, 1592-1598.	2.0	64
45	Analysis of multiple sclerosis lesions via spatially varying coefficients. Annals of Applied Statistics, 2014, 8, 1095-1118.	0.5	21
46	A Bayesian hierarchical spatial point process model for multi-type neuroimaging meta-analysis. Annals of Applied Statistics, 2014, 8, 1800-1824.	0.5	24
47	Impact of Perfusion Map Analysis on Early Survival Prediction Accuracy in Glioma Patients. Translational Oncology, 2013, 6, 766-774.	1.7	27
48	Diffusion-Weighted MRI as a Biomarker of Tumor Radiation Treatment Response Heterogeneity: A Comparative Study of Whole-Volume Histogram Analysis versus Voxel-Based Functional Diffusion Map Analysis. Translational Oncology, 2013, 6, 554-561.	1.7	21
49	Electronic Prescribing in Pediatrics: Toward Safer and More Effective Medication Management. Pediatrics, 2013, 131, e1350-e1356.	1.0	59
50	A Bayesian non-parametric Potts model with application to pre-surgical FMRI data. Statistical Methods in Medical Research, 2013, 22, 364-381.	0.7	17
51	Multiâ€system repeatability and reproducibility of apparent diffusion coefficient measurement using an iceâ€water phantom. Journal of Magnetic Resonance Imaging, 2013, 37, 1238-1246.	1.9	165
52	Introducing Parametric Fusion PET/MRI of Primary Prostate Cancer. Journal of Nuclear Medicine, 2012, 53, 546-551.	2.8	72
53	Corpus callosum area in amyotrophic lateral sclerosis. Amyotrophic Lateral Sclerosis and Other Motor Neuron Disorders, 2012, 13, 589-591.	2.3	12
54	Computed tomographyâ€“based biomarker provides unique signature for diagnosis of COPD phenotypes and disease progression. Nature Medicine, 2012, 18, 1711-1715.	15.2	619

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55	Parametric response mapping of CT images provides early detection of local bone loss in a rat model of osteoporosis. Bone, 2012, 51, 78-84.	1.4	13
56	Meta-Analysis of Functional Neuroimaging Studies of Emotion Perception and Experience in Schizophrenia. Biological Psychiatry, 2012, 71, 136-145.	0.7	240
57	Reply to: Neurobiology of Emotional Dysfunction in Schizophrenia: New Directions Revealed Through Meta-Analyses. Biological Psychiatry, 2012, 71, e25.	0.7	0
58	The Relationship between Depressive Symptoms, Disease State, and Cognition in Amyotrophic Lateral Sclerosis. Frontiers in Psychology, 2012, 3, 542.	1.1	30
59	DCE and DWâ€MRI monitoring of vascular disruption following VEGFâ€Trap treatment of a rat glioma model. NMR in Biomedicine, 2012, 25, 935-942.	1.6	25
60	DW-MRI as a Biomarker to Compare Therapeutic Outcomes in Radiotherapy Regimens Incorporating Temozolomide or Gemcitabine in Glioblastoma. PLoS ONE, 2012, 7, e35857.	1.1	27
61	Structural requirements for mitotane activity: development of analogs for treatment of adrenal cancer. Anticancer Research, 2012, 32, 2711-20.	0.5	10
62	Prospective Analysis of Parametric Response Mapâ€“Derived MRI Biomarkers: Identification of Early and Distinct Glioma Response Patterns Not Predicted by Standard Radiographic Assessment. Clinical Cancer Research, 2011, 17, 4751-4760.	3.2	84
63	Surgical Management of a Massive Occipital and Posterior Cervical Melanoma. Laryngoscope, 2011, 121, S154-S154.	1.1	0
64	Diffusion coefficient measurement using a temperatureâ€controlled fluid for quality control in multicenter studies. Journal of Magnetic Resonance Imaging, 2011, 34, 983-987.	1.9	123
65	A Novel Kinase Inhibitor of FADD Phosphorylation Chemosensitizes through the Inhibition of NF-ÎºB. Molecular Cancer Therapeutics, 2011, 10, 1807-1817.	1.9	14
66	Meta Analysis of Functional Neuroimaging Data via Bayesian Spatial Point Processes. Journal of the American Statistical Association, 2011, 106, 124-134.	1.8	48
67	Value of delayed hypointensity and delayed enhancing rim in magnetic resonance imaging diagnosis of small hepatocellular carcinoma in the cirrhotic liver. Journal of Magnetic Resonance Imaging, 2010, 32, 360-366.	1.9	102
68	Parametric Response Map As an Imaging Biomarker to Distinguish Progression From Pseudoprogression in High-Grade Glioma. Journal of Clinical Oncology, 2010, 28, 2293-2299.	0.8	202
69	Evaluation of Treatment-Associated Inflammatory Response on Diffusion-Weighted Magnetic Resonance Imaging and 2-[18F]-Fluoro-2-Deoxy-<scp>d</scp>-Glucose-Positron Emission Tomography Imaging Biomarkers. Clinical Cancer Research, 2010, 16, 1542-1552.	3.2	22
70	The development of performance-monitoring function in the posterior medial frontal cortex. NeuroImage, 2010, 49, 3463-3473.	2.1	64
71	Detection of Aggressive Primary Prostate Cancer with ¹¹C-Choline PET/CT Using Multimodality Fusion Techniques. Journal of Nuclear Medicine, 2009, 50, 1585-1593.	2.8	86
72	The parametric response map is an imaging biomarker for early cancer treatment outcome. Nature Medicine, 2009, 15, 572-576.	15.2	187

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73	A Bayesian Approach to Modeling Associations Between Pulsatile Hormones. Biometrics, 2009, 65, 650-659.	0.8	9
74	Modeling Interâ€Subject Variability in fMRI Activation Location: A Bayesian Hierarchical Spatial Model. Biometrics, 2009, 65, 1041-1051.	0.8	36
75	A Bayesian analysis of dual autoradiographic images. Computational Statistics and Data Analysis, 2009, 53, 4570-4583.	0.7	4
76	A Feasibility Study of Parametric Response Map Analysis of Diffusion-Weighted Magnetic Resonance Imaging Scans of Head and Neck Cancer Patients for Providing Early Detection of Therapeutic Efficacy. Translational Oncology, 2009, 2, 184-190.	1.7	146
77	Cluster mass inference via random field theory. NeuroImage, 2009, 44, 51-61.	2.1	48
78	Functional Diffusion Map As an Early Imaging Biomarker for High-Grade Glioma: Correlation With Conventional Radiologic Response and Overall Survival. Journal of Clinical Oncology, 2008, 26, 3387-3394.	0.8	264
79	Intratumoral Spatial Distribution of Hypoxia and Angiogenesis Assessed by ¹⁸F-FAZA and ¹²⁵I-Gluco-RGD Autoradiography. Journal of Nuclear Medicine, 2008, 49, 597-605.	2.8	38
80	Possible Biliary Disease: Diagnostic Performance of High-Spatial-Resolution Isotropic 3D T2-weighted MRCP. Radiology, 2008, 249, 883-890.	3.6	80
81	Suspicious Breast Lesions: Assessment of 3D Doppler US Indexes for Classification in a Test Population and Fourfold Cross-Validation Scheme. Radiology, 2008, 249, 463-470.	3.6	23
82	Quantitative magnetic resonance image analysis via the EM algorithm with stochastic variation. Annals of Applied Statistics, 2008, 2, 736-735.	0.5	6
83	MÃ¼llerian Duct Anomalies: Comparison of MRI Diagnosis and Clinical Diagnosis. American Journal of Roentgenology, 2007, 189, 1294-1302.	1.0	106
84	A Feasibility Study Evaluating the Functional Diffusion Map as a Predictive Imaging Biomarker for Detection of Treatment Response in a Patient with Metastatic Prostate Cancer to the Bone. Neoplasia, 2007, 9, 1003-1011.	2.3	101
85	Analysis of Pulsatile Hormone Concentration Profiles with Nonconstant Basal Concentration: A Bayesian Approach. Biometrics, 2007, 63, 1207-1217.	0.8	10
86	The Functional Diffusion Map: An Imaging Biomarker for the Early Prediction of Cancer Treatment Outcome. Neoplasia, 2006, 8, 259-267.	2.3	175
87	Vascular Targeted Nanoparticles for Imaging and Treatment of Brain Tumors. Clinical Cancer Research, 2006, 12, 6677-6686.	3.2	487
88	MRI of Sonographically Indeterminate Adnexal Masses. American Journal of Roentgenology, 2006, 187, 732-740.	1.0	113
89	Evaluation of Lung MDCT Nodule Annotation Across Radiologists and Methods. Academic Radiology, 2006, 13, 1254-1265.	1.3	76
90	A Bayesian hierarchical approach to multirater correlated ROC analysis. Statistics in Medicine, 2006, 25, 1858-1871.	0.8	10

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91	Sodium and proton diffusion MRI as biomarkers for early therapeutic response in subcutaneous tumors. Magnetic Resonance Imaging, 2006, 24, 273-278.	1.0	56
92	Dynamic Imaging of Emerging Resistance during Cancer Therapy. Cancer Research, 2006, 66, 4687-4692.	0.4	54
93	Inhibition of Vascular Endothelial Growth Factor (VEGF)-A Causes a Paradoxical Increase in Tumor Blood Flow and Up-Regulation of VEGF-D. Clinical Cancer Research, 2006, 12, 1525-1532.	3.2	44
94	Sonographic Evaluation of Early-Stage Breast Cancers That Undergo Neoadjuvant Chemotherapy. Journal of Ultrasound in Medicine, 2005, 24, 885-895.	0.8	24
95	A Bayesian mixture model relating dose to critical organs and functional complication in 3D conformal radiation therapy. Biostatistics, 2005, 6, 615-632.	0.9	13
96	Evaluation of the functional diffusion map as an early biomarker of time-to-progression and overall survival in high-grade glioma. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16759-16764.	3.3	270
97	Functional diffusion map: A noninvasive MRI biomarker for early stratification of clinical brain tumor response. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5524-5529.	3.3	602
98	MRI for Preoperative Staging of Renal Cell Carcinoma Using the 1997 TNM Classification:Comparison with Surgical and Pathologic Staging. American Journal of Roentgenology, 2004, 182, 217-225.	1.0	77
99	T2-weighted MR Imaging in the Assessment of Cirrhotic Liver. Radiology, 2004, 230, 637-644.	3.6	88
100	Therapeutic Efficacy of DTI-015 using Diffusion Magnetic Resonance Imaging as an Early Surrogate Marker. Clinical Cancer Research, 2004, 10, 7852-7859.	3.2	75
101	Clonus after human spinal cord injury cannot be attributed solely to recurrent muscle-tendon stretch. Experimental Brain Research, 2003, 149, 222-236.	0.7	88
102	Bayesian Deconvolution Analysis of Pulsatile Hormone Concentration Profiles. Biometrics, 2003, 59, 650-660.	0.8	27
103	Cytochrome P450 CYP3A4/5 Expression as a Biomarker of Outcome in Osteosarcoma. Journal of Clinical Oncology, 2003, 21, 2481-2485.	0.8	86
104	A Bayesian change-point analysis of electromyographic data: detecting muscle activation patterns and associated applications. Biostatistics, 2003, 4, 143-164.	0.9	38
105	Evaluation of cancer therapy using diffusion magnetic resonance imaging. Molecular Cancer Therapeutics, 2003, 2, 581-7.	1.9	180
106	Metabolic and Weight Loss Effects of Longâ€Term Dietary Intervention in Obese Patients: Fourâ€Year Results. Obesity, 2000, 8, 399-402.	4.0	243
107	Advantages of Concurrent Biochemotherapy Modified by Decrescendo Interleukin-2, Granulocyte Colony-Stimulating Factor, and Tamoxifen for Patients With Metastatic Melanoma. Journal of Clinical Oncology, 1999, 17, 2752-2752.	0.8	83
108	Metabolic and weight-loss effects of a long-term dietary intervention in obese patients. American Journal of Clinical Nutrition, 1999, 69, 198-204.	2.2	287

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109	Exact inference on stratified two-stage Markov chain models. Computational Statistics and Data Analysis, 1999, 31, 159-186.	0.7	1
110	IgM Anti-Ganglioside Antibodies Induced by Melanoma Cell Vaccine Correlate with Survival of Melanoma Patients. Journal of Investigative Dermatology, 1999, 112, 205-209.	0.3	72
111	Computed radiography dual energy subtraction: Performance evaluation when detecting low-contrast lung nodules in an anthropomorphic phantom. Journal of Digital Imaging, 1999, 12, 29-33.	1.6	5
112	Immunologic effects of combined protease inhibitor and reverse transcriptase inhibitor therapy in previously treated chronic HIV-1 infection. Aids, 1998, 12, 1833-1844.	1.0	67
113	Development and Testing of Image-Processing Methods for the Quantitative Assessment of Airway Hyperresponsiveness from High-Resolution CT Images. Journal of Computer Assisted Tomography, 1997, 21, 939-947.	0.5	68
114	Detection of simulated lung nodules with computed radiography: Effects of nodule size, local optical density, global object thickness, and exposure. Academic Radiology, 1996, 3, 735-741.	1.3	9
115	Using tissue texture surrounding calcification clusters to predict benign vs malignant outcomes. Medical Physics, 1996, 23, 549-555.	1.6	38
116	A comparison of algorithms for exact analysis of unordered 2 Ã— K contingency tables. Computational Statistics and Data Analysis, 1996, 21, 419-429.	0.7	16