

Abhijit J Chaudhari

List of Publications by Year in descending order

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64
papers

1,321
citations

430874

18
h-index

377865

34
g-index

68
all docs

68
docs citations

68
times ranked

1704
citing authors

#	ARTICLE	IF	CITATIONS
1	The Dose-Response Effects of Consuming High Fructose Corn Syrup-Sweetened Beverages on Hepatic Lipid Content and Insulin Sensitivity in Young Adults. <i>Nutrients</i> , 2022, 14, 1648.	4.1	8
2	Total-Body ¹⁸ F-FDG PET/CT in Autoimmune Inflammatory Arthritis at Ultra-Low Dose: Initial Observations. <i>Journal of Nuclear Medicine</i> , 2022, 63, 1579-1585.	5.0	13
3	Total-Body PET Imaging of Musculoskeletal Disorders. <i>PET Clinics</i> , 2021, 16, 99-117.	3.0	11
4	Application-specific nuclear medical in vivo imaging devices. <i>Physics in Medicine and Biology</i> , 2021, 66, 10TR01.	3.0	3
5	Assessment of Myofascial Trigger Points via Imaging. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2021, 100, 1003-1014.	1.4	19
6	Feasibility of dual-phase ^{99m} Tc-MDP SPECT/CT imaging in rheumatoid arthritis evaluation. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 2333-2343.	2.0	4
7	Consuming Sucrose- or HFCS-sweetened Beverages Increases Hepatic Lipid and Decreases Insulin Sensitivity in Adults. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 3248-3264.	3.6	15
8	Strain differences in the extent of brain injury in mice after tetramethylenedisulfotetramine-induced status epilepticus. <i>NeuroToxicology</i> , 2021, 87, 43-50.	3.0	1
9	Genetic Algorithm based L4 Identification and Psoas Segmentation. , 2021, , .		0
10	Dynamic MRI of the wrist in less than 20 seconds: normal midcarpal motion and reader reliability. <i>Skeletal Radiology</i> , 2020, 49, 241-248.	2.0	12
11	Opportunistic body composition evaluation in patients with esophageal adenocarcinoma: association of survival with ¹⁸ F-FDG PET/CT muscle metrics. <i>Annals of Nuclear Medicine</i> , 2020, 34, 174-181.	2.2	12
12	Association of adipose tissue and skeletal muscle metrics with overall survival and postoperative complications in soft tissue sarcoma patients: an opportunistic study using computed tomography. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 10, 1580-1589.	2.0	21
13	5-LB: Consuming High-Fructose Corn Syrup or Sucrose-Sweetened Beverages Increases Hepatic Lipid Content and Decreases Insulin Sensitivity in Young Adults. <i>Diabetes</i> , 2020, 69, 5-LB.	0.6	0
14	Quantitative tracking of inflammatory activity at the peak and trough plasma levels of tofacitinib, a Janus kinase inhibitor, via in vivo ¹⁸ F-FDG PET. <i>International Journal of Rheumatic Diseases</i> , 2019, 22, 2165-2169.	1.9	5
15	Real-time three-dimensional MRI for the assessment of dynamic carpal instability. <i>PLoS ONE</i> , 2019, 14, e0222704.	2.5	15
16	A principal component analysis-based framework for statistical modeling of bone displacement during wrist maneuvers. <i>Journal of Biomechanics</i> , 2019, 85, 173-181.	2.1	6
17	TSPO PET Using [¹⁸ F]PBR111 Reveals Persistent Neuroinflammation Following Acute Diisopropylfluorophosphate Intoxication in the Rat. <i>Toxicological Sciences</i> , 2019, 170, 330-344.	3.1	20
18	Development of an Ultra High Resolution PET Scanner for Imaging Rodent Paws: PawPET. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2018, 2, 7-16.	3.7	10

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19	WRIST: A WRist Image Segmentation Toolkit for carpal bone delineation from MRI. Computerized Medical Imaging and Graphics, 2018, 63, 31-40.	5.8	14
20	Skeletal Muscle Metrics on Clinical F-FDG PET/CT Predict Health Outcomes in Patients with Sarcoma. Journal of Nature and Science, 2018, 4, .	1.1	3
21	“Knuckle Cracking” Can Blinded Observers Detect Changes with Physical Examination and Sonography?. Clinical Orthopaedics and Related Research, 2017, 475, 1265-1271.	1.5	9
22	Association of lunate morphology, sex, and lunotriquetral interosseous ligament injury with radiologic measurement of the capitate-triquetrum joint. Skeletal Radiology, 2017, 46, 1729-1737.	2.0	5
23	Glutamine Addiction in Kidney Cancer Suppresses Oxidative Stress and Can Be Exploited for Real-Time Imaging. Cancer Research, 2017, 77, 6746-6758.	0.9	85
24	Early and Delayed 99mTc-MDP SPECT/CT Findings in Rheumatoid Arthritis and Osteoarthritis. Clinical Nuclear Medicine, 2017, 42, e480-e481.	1.3	12
25	The Wrist: Athletic TFCC Injuries. Current Radiology Reports, 2017, 5, 1.	1.4	3
26	MRI “ Histopathology Registration for Osteoarthritis Biomarker Evaluation. Osteoarthritis and Cartilage, 2017, 25, S229-S230.	1.3	1
27	High-resolution ¹⁸ F-FDG PET/CT for assessing disease activity in rheumatoid and psoriatic arthritis: findings of a prospective pilot study. British Journal of Radiology, 2016, 89, 20160138.	2.2	49
28	<i>In vivo</i> quantification of mouse autoimmune arthritis by PET/CT. International Journal of Rheumatic Diseases, 2016, 19, 452-458.	1.9	14
29	MR Angiography of Renal Transplant Vasculature with Ferumoxytol. Academic Radiology, 2016, 23, 368-373.	2.5	32
30	Registration-Based Morphometry for Shape Analysis of the Bones of the Human Wrist. IEEE Transactions on Medical Imaging, 2016, 35, 416-426.	8.9	13
31	A prototype PET scanner with hybrid DOI-encoding detectors. , 2015, , .		1
32	Using Global Illumination in Volume Visualization of Rheumatoid Arthritis CT Data. IEEE Computer Graphics and Applications, 2014, 34, 16-23.	1.2	11
33	Global point signature for shape analysis of carpal bones. Physics in Medicine and Biology, 2014, 59, 961-973.	3.0	30
34	Non-rigid registration of serial dedicated breast CT, longitudinal dedicated breast CT and PET/CT images using the diffeomorphic demons method. Physica Medica, 2014, 30, 713-717.	0.7	12
35	Morphometry for early monitoring of treatment response in rheumatoid arthritis. , 2013, , 121-124.		1
36	Ultrasound Backscatter Microscopy for Imaging of Oral Carcinoma. Journal of Ultrasound in Medicine, 2013, 32, 1789-1797.	1.7	5

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37	Real-Time Magnetic Resonance Imaging (MRI) during Active Wrist Motion—Initial Observations. PLoS ONE, 2013, 8, e84004.	2.5	42
38	Characterization of a high-resolution hybrid DOI detector for a dedicated breast PET/CT scanner. Physics in Medicine and Biology, 2012, 57, 3435-3449.	3.0	23
39	<i>In vivo</i> validation of a bimodal technique combining time-resolved fluorescence spectroscopy and ultrasonic backscatter microscopy for diagnosis of oral carcinoma. Journal of Biomedical Optics, 2012, 17, 116003.	2.6	13
40	Semi-automated volumetric quantification of tumor necrosis in soft tissue sarcoma using contrast-enhanced MRI. Anticancer Research, 2012, 32, 4951-61.	1.1	16
41	Design and initial performance evaluation of DbPET2, an intermediate generation breast PET prototype. , 2011, , .		0
42	Multimodal characterization of compositional, structural and functional features of human atherosclerotic plaques. Biomedical Optics Express, 2011, 2, 2288.	2.9	40
43	Effect of Object Size on Scatter Fraction Estimation Methods for PET—A Computer Simulation Study. IEEE Transactions on Nuclear Science, 2011, 58, 82-86.	2.0	8
44	Treatment Planning and Volumetric Response Assessment for Yttrium-90 Radioembolization: Semiautomated Determination of Liver Volume and Volume of Tumor Necrosis in Patients with Hepatic Malignancy. CardioVascular and Interventional Radiology, 2011, 34, 306-318.	2.0	27
45	Molecular Characterization of Rheumatoid Arthritis With Magnetic Resonance Imaging. Topics in Magnetic Resonance Imaging, 2011, 22, 61-69.	1.2	7
46	Conference Scene: 2009 IEEE NSS/MIC in the USA. Imaging in Medicine, 2010, 2, 13-15.	0.0	0
47	High-resolution 18F-FDG PET with MRI for monitoring response to treatment in rheumatoid arthritis. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 1047-1047.	6.4	46
48	DigiWarp: a method for deformable mouse atlas warping to surface topographic data. Physics in Medicine and Biology, 2010, 55, 6197-6214.	3.0	18
49	Initial Characterization of a Dedicated Breast PET/CT Scanner During Human Imaging. Journal of Nuclear Medicine, 2009, 50, 1401-1408.	5.0	113
50	Excitation spectroscopy in multispectral optical fluorescence tomography: methodology, feasibility and computer simulation studies. Physics in Medicine and Biology, 2009, 54, 4687-4704.	3.0	29
51	Spatial Distortion Correction and Crystal Identification for MRI-Compatible Position-Sensitive Avalanche Photodiode-Based PET Scanners. IEEE Transactions on Nuclear Science, 2009, 56, 549-556.	2.0	20
52	Posture matching and elastic registration of a mouse atlas to surface topography range data. , 2009, 2009, 366-369.		15
53	Spatial distortion correction and crystal identification for position-sensitive avalanche photodiode-based PET scanners. , 2008, , .		1
54	Computationally efficient perturbative forward modeling for 3D multispectral bioluminescence and fluorescence tomography. Proceedings of SPIE, 2008, , .	0.8	2

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55	Multimodality high resolution wrist imaging for monitoring response to therapy in rheumatoid arthritis: Instrumentation and techniques. , 2008, , .		3
56	Fast iterative image reconstruction methods for fully 3D multispectral bioluminescence tomography. Physics in Medicine and Biology, 2008, 53, 3921-3942.	3.0	78
57	PSPMT/APD Hybrid DOI Detectors for the PET Component of a Dedicated Breast PET/CT Systemâ€™A Feasibility Study. IEEE Transactions on Nuclear Science, 2008, 55, 853-861.	2.0	12
58	Crystal identification in positron emission tomography using nonrigid registration to a Fourier-based template. Physics in Medicine and Biology, 2008, 53, 5011-5027.	3.0	21
59	FAST IMAGE RECONSTRUCTION METHODS FOR FULLY 3D MULTISPECTRAL OPTICAL BIOLUMINESCENCE TOMOGRAPHY. , 2007, , .		2
60	A method for atlas-based volumetric registration with surface constraints for optical bioluminescence tomography in small animal imaging. , 2007, 6510, 747.		17
61	PSPMT/APD hybrid DOI detectors for the PET component of a dedicated breast PET/CT system — A feasibility study. , 2007, , .		1
62	Hyperspectral and multispectral bioluminescence optical tomography for small animal imaging. Physics in Medicine and Biology, 2005, 50, 5421-5441.	3.0	266
63	Investigation of Different Transcript Quantitation Tools for High-Throughput Mapping of Brain Gene Expression Using Voxelation. Journal of Molecular Histology, 2003, 35, 397-402.	2.2	1
64	High-resolution voxelation mapping of human and rodent brain gene expression. Journal of Neuroscience Methods, 2003, 125, 93-101.	2.5	23